Die Wurzeln zur Konstruktion des regulären 65537-Ecks

The Roots to Construct the Regular 65537-gon

Supplement zur Website http://www.ja-mathe.de

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Die folgenden 342 Seiten enthalten die Wurzelausdrücke zur Konstruktion des regelmäßigen 65537-Ecks. Die zugrunde liegende Mathematik und Details zur Berechnung sind ausführlich auf der im Titel genannten Webseite dargestellt.

The following 342 pages contain the root expressions needed to construct the regular 65537-gon. The underlying mathematics and details of the computation are presented at length on the website given in the title.


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% Running with arguments: 65537 -tex
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$$p_{0,0} = -1,000000000000$$

$$p_{1,0} = \frac{p_{0,0}+\sqrt{p_{0,0}^2-4(16384p_{0,0})}}{2} = \frac{-1+\sqrt{65537}}{2}$$

$$p_{1,1} = \frac{p_{0,0}-\sqrt{p_{0,0}^2-4(16384p_{0,0})}}{2} = \frac{-1-\sqrt{65537}}{2}$$

$$p_{2,0} = \frac{p_{1,0}-\sqrt{p_{1,0}^2-4(4096p_{0,0})}}{2}$$

$$p_{2,2} = \frac{p_{1,0}+\sqrt{p_{1,0}^2-4(4096p_{0,0})}}{2}$$

$$p_{2,1} = \frac{p_{1,1}-\sqrt{p_{1,1}^2-4(4096p_{0,0})}}{2}$$

$$p_{2,3} = \frac{p_{1,1}+\sqrt{p_{1,1}^2-4(4096p_{0,0})}}{2}$$

$$p_{3,0} = \frac{p_{2,0}-\sqrt{p_{2,0}^2-4(992p_{2,0}+1024p_{2,2}+1040p_{1,1})}}{2}$$

$$p_{3,4} = \frac{p_{2,0}+\sqrt{p_{2,0}^2-4(992p_{2,0}+1024p_{2,2}+1040p_{1,1})}}{2}$$

$$p_{3,2} = \frac{p_{2,2}+\sqrt{p_{2,2}^2-4(1024p_{2,0}+992p_{2,2}+1040p_{1,1})}}{2}$$

$$p_{3,6} = \frac{p_{2,2}-\sqrt{p_{2,2}^2-4(1024p_{2,0}+992p_{2,2}+1040p_{1,1})}}{2}$$

$$p_{3,1} = \frac{p_{2,1}+\sqrt{p_{2,1}^2-4(1040p_{1,0}+992p_{2,1}+1024p_{2,3})}}{2}$$

$$p_{3,5} = \frac{p_{2,1}-\sqrt{p_{2,1}^2-4(1040p_{1,0}+992p_{2,1}+1024p_{2,3})}}{2}$$

$$p_{3,3} = \frac{p_{2,3}-\sqrt{p_{2,3}^2-4(1040p_{1,0}+1024p_{2,1}+992p_{2,3})}}{2}$$

$$p_{3,7} = \frac{p_{2,3}+\sqrt{p_{2,3}^2-4(1040p_{1,0}+1024p_{2,1}+992p_{2,3})}}{2}$$

$$p_{4,0} = \frac{1}{2}p_{3,0} + \frac{1}{2}\sqrt{\begin{aligned}&p_{3,0}^2 - 4(284p_{3,0} + 256p_{3,4} + 272p_{3,2}\\ &+ 256p_{3,6} + 237p_{3,1} + 269p_{3,5} + 237p_{2,3})\end{aligned}}$$

$$p_{4,8} = \frac{1}{2}p_{3,0} - \frac{1}{2}\sqrt{\begin{aligned}&p_{3,0}^2 - 4(284p_{3,0} + 256p_{3,4} + 272p_{3,2}\\ &+ 256p_{3,6} + 237p_{3,1} + 269p_{3,5} + 237p_{2,3})\end{aligned}}$$

$$p_{4,4} = \frac{1}{2}p_{3,4} + \frac{1}{2}\sqrt{\begin{aligned}&p_{3,4}^2 - 4(256p_{3,0} + 284p_{3,4} + 256p_{3,2}\\ &+ 272p_{3,6} + 269p_{3,1} + 237p_{3,5} + 237p_{2,3})\end{aligned}}$$

$$p_{4,12} = \frac{1}{2}p_{3,4} - \frac{1}{2}\sqrt{\begin{aligned}&p_{3,4}^2 - 4(256p_{3,0} + 284p_{3,4} + 256p_{3,2}\\ &+ 272p_{3,6} + 269p_{3,1} + 237p_{3,5} + 237p_{2,3})\end{aligned}}$$

$$p_{4,2} = \frac{1}{2}p_{3,2} + \frac{1}{2}\sqrt{\begin{aligned}&p_{3,2}^2 - 4(256p_{3,0} + 272p_{3,4} + 284p_{3,2}\\ &+ 256p_{3,6} + 237p_{2,1} + 237p_{3,3} + 269p_{3,7})\end{aligned}}$$

$$p_{4,10} = \frac{1}{2}p_{3,2} - \frac{1}{2}\sqrt{\begin{aligned}&p_{3,2}^2 - 4(256p_{3,0} + 272p_{3,4} + 284p_{3,2}\\ &+ 256p_{3,6} + 237p_{2,1} + 237p_{3,3} + 269p_{3,7})\end{aligned}}$$

$$p_{4,6} = \frac{1}{2}p_{3,6} + \frac{1}{2}\sqrt{\begin{aligned}&p_{3,6}^2 - 4(272p_{3,0} + 256p_{3,4} + 256p_{3,2}\\ &+ 284p_{3,6} + 237p_{2,1} + 269p_{3,3} + 237p_{3,7})\end{aligned}}$$

$$p_{4,14} = \frac{1}{2}p_{3,6} - \frac{1}{2}\sqrt{\begin{aligned}&p_{3,6}^2 - 4(272p_{3,0} + 256p_{3,4} + 256p_{3,2}\\ &+ 284p_{3,6} + 237p_{2,1} + 269p_{3,3} + 237p_{3,7})\end{aligned}}$$

$$p_{4,1} = \frac{1}{2}p_{3,1} + \frac{1}{2}\sqrt{\begin{aligned}&p_{3,1}^2 - 4(237p_{2,0} + 237p_{3,2} + 269p_{3,6}\\ &+ 284p_{3,1} + 256p_{3,5} + 272p_{3,3} + 256p_{3,7})\end{aligned}}$$

$$p_{4,9} = \frac{1}{2}p_{3,1} - \frac{1}{2}\sqrt{\begin{aligned}&p_{3,1}^2 - 4(237p_{2,0} + 237p_{3,2} + 269p_{3,6}\\ &+ 284p_{3,1} + 256p_{3,5} + 272p_{3,3} + 256p_{3,7})\end{aligned}}$$

$$p_{4,5} = \frac{1}{2}p_{3,5} - \frac{1}{2}\sqrt{\begin{aligned}&p_{3,5}^2 - 4(237p_{2,0} + 269p_{3,2} + 237p_{3,6}\\ &+ 256p_{3,1} + 284p_{3,5} + 256p_{3,3} + 272p_{3,7})\end{aligned}}$$

$$p_{4,13} = \frac{1}{2}p_{3,5} + \frac{1}{2}\sqrt{\begin{aligned}&p_{3,5}^2 - 4(237p_{2,0} + 269p_{3,2} + 237p_{3,6}\\ &+ 256p_{3,1} + 284p_{3,5} + 256p_{3,3} + 272p_{3,7})\end{aligned}}$$

$$p_{4,3} = \frac{1}{2}p_{3,3} - \frac{1}{2}\sqrt{\begin{aligned}&p_{3,3}^2 - 4(269p_{3,0} + 237p_{3,4} + 237p_{2,2}\\ &+ 256p_{3,1} + 272p_{3,5} + 284p_{3,3} + 256p_{3,7})\end{aligned}}$$

$$p_{4,11} = \frac{1}{2}p_{3,3} + \frac{1}{2}\sqrt{\begin{aligned}&p_{3,3}^2 - 4(269p_{3,0} + 237p_{3,4} + 237p_{2,2}\\ &+ 256p_{3,1} + 272p_{3,5} + 284p_{3,3} + 256p_{3,7})\end{aligned}}$$

$$p_{4,7} = \frac{1}{2}p_{3,7} - \frac{1}{2}\sqrt{\begin{aligned}&p_{3,7}^2 - 4(237p_{3,0} + 269p_{3,4} + 237p_{2,2}\\ &+ 272p_{3,1} + 256p_{3,5} + 256p_{3,3} + 284p_{3,7})\end{aligned}}$$

$$p_{4,15} = \frac{1}{2}p_{3,7} + \frac{1}{2}\sqrt{\begin{aligned}&p_{3,7}^2 - 4(237p_{3,0} + 269p_{3,4} + 237p_{2,2}\\ &+ 272p_{3,1} + 256p_{3,5} + 256p_{3,3} + 284p_{3,7})\end{aligned}}$$

$$p_{5,0} = \frac{1}{2}p_{4,0} + \frac{1}{2}\sqrt{\begin{aligned}&p_{4,0}^2 - 4(80p_{4,0} + 68p_{4,8} + 57p_{4,4} + 65p_{4,12}\\ &+ 60p_{4,2} + 64p_{4,10} + 61p_{3,6} + 62p_{4,1} + 64p_{4,9} + 60p_{4,5}\\ &+ 70p_{4,13} + 64p_{4,3} + 58p_{4,11} + 60p_{4,7} + 70p_{4,15})\end{aligned}}$$

$$p_{5,16} = \frac{1}{2}p_{4,0} - \frac{1}{2}\sqrt{\begin{aligned}&p_{4,0}^2 - 4(80p_{4,0} + 68p_{4,8} + 57p_{4,4} + 65p_{4,12}\\ &+ 60p_{4,2} + 64p_{4,10} + 61p_{3,6} + 62p_{4,1} + 64p_{4,9} + 60p_{4,5}\\ &+ 70p_{4,13} + 64p_{4,3} + 58p_{4,11} + 60p_{4,7} + 70p_{4,15})\end{aligned}}$$

$$p_{5,8} = \frac{1}{2}p_{4,8} + \frac{1}{2}\sqrt{\begin{aligned}&p_{4,8}^2 - 4(68p_{4,0} + 80p_{4,8} + 65p_{4,4} + 57p_{4,12}\\ &+ 64p_{4,2} + 60p_{4,10} + 61p_{3,6} + 64p_{4,1} + 62p_{4,9} + 70p_{4,5}\\ &+ 60p_{4,13} + 58p_{4,3} + 64p_{4,11} + 70p_{4,7} + 60p_{4,15})\end{aligned}}$$

$$p_{5,24} = \frac{1}{2}p_{4,8} - \frac{1}{2}\sqrt{\begin{aligned}&p_{4,8}^2 - 4(68p_{4,0} + 80p_{4,8} + 65p_{4,4} + 57p_{4,12}\\ &+ 64p_{4,2} + 60p_{4,10} + 61p_{3,6} + 64p_{4,1} + 62p_{4,9} + 70p_{4,5}\\ &+ 60p_{4,13} + 58p_{4,3} + 64p_{4,11} + 70p_{4,7} + 60p_{4,15})\end{aligned}}$$

$$p_{5,4} = \frac{1}{2}p_{4,4} + \frac{1}{2}\sqrt{\begin{aligned}&p_{4,4}^2 - 4(65p_{4,0} + 57p_{4,8} + 80p_{4,4} + 68p_{4,12}\\ &+ 61p_{3,2} + 60p_{4,6} + 64p_{4,14} + 70p_{4,1} + 60p_{4,9} + 62p_{4,5}\\ &+ 64p_{4,13} + 70p_{4,3} + 60p_{4,11} + 64p_{4,7} + 58p_{4,15})\end{aligned}}$$

$$p_{5,20} = \frac{1}{2}p_{4,4} - \frac{1}{2}\sqrt{\begin{aligned}&p_{4,4}^2 - 4(65p_{4,0} + 57p_{4,8} + 80p_{4,4} + 68p_{4,12}\\ &+ 61p_{3,2} + 60p_{4,6} + 64p_{4,14} + 70p_{4,1} + 60p_{4,9} + 62p_{4,5}\\ &+ 64p_{4,13} + 70p_{4,3} + 60p_{4,11} + 64p_{4,7} + 58p_{4,15})\end{aligned}}$$

$$p_{5,12} = \frac{1}{2}p_{4,12} + \frac{1}{2}\sqrt{\begin{aligned}&p_{4,12}^2 - 4(57p_{4,0} + 65p_{4,8} + 68p_{4,4} + 80p_{4,12}\\ &+ 61p_{3,2} + 64p_{4,6} + 60p_{4,14} + 60p_{4,1} + 70p_{4,9} + 64p_{4,5}\\ &+ 62p_{4,13} + 60p_{4,3} + 70p_{4,11} + 58p_{4,7} + 64p_{4,15})\end{aligned}}$$

$$p_{5,28} = \frac{1}{2}p_{4,12} - \frac{1}{2}\sqrt{\begin{aligned}&p_{4,12}^2 - 4(57p_{4,0} + 65p_{4,8} + 68p_{4,4} + 80p_{4,12}\\ &+ 61p_{3,2} + 64p_{4,6} + 60p_{4,14} + 60p_{4,1} + 70p_{4,9} + 64p_{4,5}\\ &+ 62p_{4,13} + 60p_{4,3} + 70p_{4,11} + 58p_{4,7} + 64p_{4,15})\end{aligned}}$$

$$p_{5,2} = \frac{1}{2}p_{4,2} + \frac{1}{2}\sqrt{\begin{aligned}&p_{4,2}^2 - 4(61p_{3,0} + 60p_{4,4} + 64p_{4,12} + 80p_{4,2}\\&+ 68p_{4,10} + 57p_{4,6} + 65p_{4,14} + 70p_{4,1} + 60p_{4,9}\\&+ 64p_{4,5} + 58p_{4,13} + 62p_{4,3} + 64p_{4,11} + 60p_{4,7}\\&+ 70p_{4,15})\end{aligned}}$$

$$p_{5,18} = \frac{1}{2}p_{4,2} - \frac{1}{2}\sqrt{\begin{aligned}&p_{4,2}^2 - 4(61p_{3,0} + 60p_{4,4} + 64p_{4,12} + 80p_{4,2}\\&+ 68p_{4,10} + 57p_{4,6} + 65p_{4,14} + 70p_{4,1} + 60p_{4,9}\\&+ 64p_{4,5} + 58p_{4,13} + 62p_{4,3} + 64p_{4,11} + 60p_{4,7}\\&+ 70p_{4,15})\end{aligned}}$$

$$p_{5,10} = \frac{1}{2}p_{4,10} - \frac{1}{2}\sqrt{\begin{aligned}&p_{4,10}^2 - 4(61p_{3,0} + 64p_{4,4} + 60p_{4,12} + 68p_{4,2}\\&+ 80p_{4,10} + 65p_{4,6} + 57p_{4,14} + 60p_{4,1} + 70p_{4,9} + 58p_{4,5}\\&+ 64p_{4,13} + 64p_{4,3} + 62p_{4,11} + 70p_{4,7} + 60p_{4,15})\end{aligned}}$$

$$p_{5,26} = \frac{1}{2}p_{4,10} + \frac{1}{2}\sqrt{\begin{aligned}&p_{4,10}^2 - 4(61p_{3,0} + 64p_{4,4} + 60p_{4,12} + 68p_{4,2}\\&+ 80p_{4,10} + 65p_{4,6} + 57p_{4,14} + 60p_{4,1} + 70p_{4,9} + 58p_{4,5}\\&+ 64p_{4,13} + 64p_{4,3} + 62p_{4,11} + 70p_{4,7} + 60p_{4,15})\end{aligned}}$$

$$p_{5,6} = \frac{1}{2}p_{4,6} - \frac{1}{2}\sqrt{\begin{aligned}&p_{4,6}^2 - 4(64p_{4,0} + 60p_{4,8} + 61p_{3,4} + 65p_{4,2}\\&+ 57p_{4,10} + 80p_{4,6} + 68p_{4,14} + 58p_{4,1} + 64p_{4,9}\\&+ 70p_{4,5} + 60p_{4,13} + 70p_{4,3} + 60p_{4,11} + 62p_{4,7}\\&+ 64p_{4,15})\end{aligned}}$$

$$p_{5,22} = \frac{1}{2}p_{4,6} + \frac{1}{2}\sqrt{\begin{aligned}&p_{4,6}^2 - 4(64p_{4,0} + 60p_{4,8} + 61p_{3,4} + 65p_{4,2}\\&+ 57p_{4,10} + 80p_{4,6} + 68p_{4,14} + 58p_{4,1} + 64p_{4,9}\\&+ 70p_{4,5} + 60p_{4,13} + 70p_{4,3} + 60p_{4,11} + 62p_{4,7}\\&+ 64p_{4,15})\end{aligned}}$$

$$p_{5,14} = \frac{1}{2}p_{4,14} + \frac{1}{2}\sqrt{\begin{aligned}&p_{4,14}^2 - 4(60p_{4,0} + 64p_{4,8} + 61p_{3,4} + 57p_{4,2}\\&+ 65p_{4,10} + 68p_{4,6} + 80p_{4,14} + 64p_{4,1} + 58p_{4,9}\\&+ 60p_{4,5} + 70p_{4,13} + 60p_{4,3} + 70p_{4,11} + 64p_{4,7}\\&+ 62p_{4,15})\end{aligned}}$$

$$p_{5,30} = \frac{1}{2}p_{4,14} - \frac{1}{2}\sqrt{\begin{aligned}&p_{4,14}^2 - 4(60p_{4,0} + 64p_{4,8} + 61p_{3,4} + 57p_{4,2}\\&+ 65p_{4,10} + 68p_{4,6} + 80p_{4,14} + 64p_{4,1} + 58p_{4,9}\\&+ 60p_{4,5} + 70p_{4,13} + 60p_{4,3} + 70p_{4,11} + 64p_{4,7}\\&+ 62p_{4,15})\end{aligned}}$$

$$p_{5,1} = \frac{1}{2}p_{4,1} - \frac{1}{2}\sqrt{\begin{aligned}&p_{4,1}^2 - 4(70p_{4,0} + 60p_{4,8} + 64p_{4,4} + 58p_{4,12}\\&+ 62p_{4,2} + 64p_{4,10} + 60p_{4,6} + 70p_{4,14} + 80p_{4,1}\\&+ 68p_{4,9} + 57p_{4,5} + 65p_{4,13} + 60p_{4,3} + 64p_{4,11}\\&+ 61p_{3,7})\end{aligned}}$$

$$p_{5,17} = \frac{1}{2}p_{4,1} + \frac{1}{2}\sqrt{\begin{aligned}&p_{4,1}^2 - 4(70p_{4,0} + 60p_{4,8} + 64p_{4,4} + 58p_{4,12}\\&+ 62p_{4,2} + 64p_{4,10} + 60p_{4,6} + 70p_{4,14} + 80p_{4,1}\\&+ 68p_{4,9} + 57p_{4,5} + 65p_{4,13} + 60p_{4,3} + 64p_{4,11}\\&+ 61p_{3,7})\end{aligned}}$$

$$p_{5,9} = \frac{1}{2}p_{4,9} + \frac{1}{2}\sqrt{\begin{aligned}&p_{4,9}^2 - 4(60p_{4,0} + 70p_{4,8} + 58p_{4,4} + 64p_{4,12}\\&+ 64p_{4,2} + 62p_{4,10} + 70p_{4,6} + 60p_{4,14} + 68p_{4,1}\\&+ 80p_{4,9} + 65p_{4,5} + 57p_{4,13} + 64p_{4,3} + 60p_{4,11}\\&+ 61p_{3,7})\end{aligned}}$$

$$p_{5,25} = \frac{1}{2}p_{4,9} - \frac{1}{2}\sqrt{\begin{aligned}&p_{4,9}^2 - 4(60p_{4,0} + 70p_{4,8} + 58p_{4,4} + 64p_{4,12}\\&+ 64p_{4,2} + 62p_{4,10} + 70p_{4,6} + 60p_{4,14} + 68p_{4,1}\\&+ 80p_{4,9} + 65p_{4,5} + 57p_{4,13} + 64p_{4,3} + 60p_{4,11}\\&+ 61p_{3,7})\end{aligned}}$$

$$p_{5,5} = \frac{1}{2}p_{4,5} - \frac{1}{2}\sqrt{\begin{aligned}&p_{4,5}^2 - 4(58p_{4,0} + 64p_{4,8} + 70p_{4,4} + 60p_{4,12}\\&+ 70p_{4,2} + 60p_{4,10} + 62p_{4,6} + 64p_{4,14} + 65p_{4,1}\\&+ 57p_{4,9} + 80p_{4,5} + 68p_{4,13} + 61p_{3,3} + 60p_{4,7}\\&+ 64p_{4,15})\end{aligned}}$$

$$p_{5,21} = \frac{1}{2}p_{4,5} + \frac{1}{2}\sqrt{\begin{aligned}&p_{4,5}^2 - 4(58p_{4,0} + 64p_{4,8} + 70p_{4,4} + 60p_{4,12}\\&+ 70p_{4,2} + 60p_{4,10} + 62p_{4,6} + 64p_{4,14} + 65p_{4,1}\\&+ 57p_{4,9} + 80p_{4,5} + 68p_{4,13} + 61p_{3,3} + 60p_{4,7}\\&+ 64p_{4,15})\end{aligned}}$$

$$p_{5,13} = \frac{1}{2}p_{4,13} - \frac{1}{2}\sqrt{\begin{aligned}&p_{4,13}^2 - 4(64p_{4,0} + 58p_{4,8} + 60p_{4,4} + 70p_{4,12}\\&+ 60p_{4,2} + 70p_{4,10} + 64p_{4,6} + 62p_{4,14} + 57p_{4,1}\\&+ 65p_{4,9} + 68p_{4,5} + 80p_{4,13} + 61p_{3,3} + 64p_{4,7}\\&+ 60p_{4,15})\end{aligned}}$$

$$p_{5,29} = \frac{1}{2}p_{4,13} + \frac{1}{2}\sqrt{\begin{aligned}&p_{4,13}^2 - 4(64p_{4,0} + 58p_{4,8} + 60p_{4,4} + 70p_{4,12}\\&+ 60p_{4,2} + 70p_{4,10} + 64p_{4,6} + 62p_{4,14} + 57p_{4,1}\\&+ 65p_{4,9} + 68p_{4,5} + 80p_{4,13} + 61p_{3,3} + 64p_{4,7}\\&+ 60p_{4,15})\end{aligned}}$$

$$p_{5,3} = \frac{1}{2}p_{4,3} + \frac{1}{2}\sqrt{\begin{aligned}&p_{4,3}^2 - 4(70p_{4,0} + 60p_{4,8} + 62p_{4,4} + 64p_{4,12}\\&+ 70p_{4,2} + 60p_{4,10} + 64p_{4,6} + 58p_{4,14} + 61p_{3,1}\\&+ 60p_{4,5} + 64p_{4,13} + 80p_{4,3} + 68p_{4,11} + 57p_{4,7}\\&+ 65p_{4,15})\end{aligned}}$$

$$p_{5,19} = \frac{1}{2}p_{4,3} - \frac{1}{2}\sqrt{\begin{aligned}&p_{4,3}^2 - 4(70p_{4,0} + 60p_{4,8} + 62p_{4,4} + 64p_{4,12}\\&+ 70p_{4,2} + 60p_{4,10} + 64p_{4,6} + 58p_{4,14} + 61p_{3,1}\\&+ 60p_{4,5} + 64p_{4,13} + 80p_{4,3} + 68p_{4,11} + 57p_{4,7}\\&+ 65p_{4,15})\end{aligned}}$$

$$p_{5,11} = \frac{1}{2}p_{4,11} + \frac{1}{2}\sqrt{\begin{aligned}&p_{4,11}^2 - 4(60p_{4,0} + 70p_{4,8} + 64p_{4,4} + 62p_{4,12}\\ &+ 60p_{4,2} + 70p_{4,10} + 58p_{4,6} + 64p_{4,14} + 61p_{3,1} + 64p_{4,5}\\ &+ 60p_{4,13} + 68p_{4,3} + 80p_{4,11} + 65p_{4,7} + 57p_{4,15})\end{aligned}}$$

$$p_{5,27} = \frac{1}{2}p_{4,11} - \frac{1}{2}\sqrt{\begin{aligned}&p_{4,11}^2 - 4(60p_{4,0} + 70p_{4,8} + 64p_{4,4} + 62p_{4,12}\\ &+ 60p_{4,2} + 70p_{4,10} + 58p_{4,6} + 64p_{4,14} + 61p_{3,1} + 64p_{4,5}\\ &+ 60p_{4,13} + 68p_{4,3} + 80p_{4,11} + 65p_{4,7} + 57p_{4,15})\end{aligned}}$$

$$p_{5,7} = \frac{1}{2}p_{4,7} + \frac{1}{2}\sqrt{\begin{aligned}&p_{4,7}^2 - 4(64p_{4,0} + 62p_{4,8} + 70p_{4,4} + 60p_{4,12}\\ &+ 58p_{4,2} + 64p_{4,10} + 70p_{4,6} + 60p_{4,14} + 64p_{4,1}\\ &+ 60p_{4,9} + 61p_{3,5} + 65p_{4,3} + 57p_{4,11} + 80p_{4,7}\\ &+ 68p_{4,15})\end{aligned}}$$

$$p_{5,23} = \frac{1}{2}p_{4,7} - \frac{1}{2}\sqrt{\begin{aligned}&p_{4,7}^2 - 4(64p_{4,0} + 62p_{4,8} + 70p_{4,4} + 60p_{4,12}\\ &+ 58p_{4,2} + 64p_{4,10} + 70p_{4,6} + 60p_{4,14} + 64p_{4,1}\\ &+ 60p_{4,9} + 61p_{3,5} + 65p_{4,3} + 57p_{4,11} + 80p_{4,7}\\ &+ 68p_{4,15})\end{aligned}}$$

$$p_{5,15} = \frac{1}{2}p_{4,15} - \frac{1}{2}\sqrt{\begin{aligned}&p_{4,15}^2 - 4(62p_{4,0} + 64p_{4,8} + 60p_{4,4} + 70p_{4,12}\\ &+ 64p_{4,2} + 58p_{4,10} + 60p_{4,6} + 70p_{4,14} + 60p_{4,1}\\ &+ 64p_{4,9} + 61p_{3,5} + 57p_{4,3} + 65p_{4,11} + 68p_{4,7}\\ &+ 80p_{4,15})\end{aligned}}$$

$$p_{5,31} = \frac{1}{2}p_{4,15} + \frac{1}{2}\sqrt{\begin{aligned}&p_{4,15}^2 - 4(62p_{4,0} + 64p_{4,8} + 60p_{4,4} + 70p_{4,12}\\ &+ 64p_{4,2} + 58p_{4,10} + 60p_{4,6} + 70p_{4,14} + 60p_{4,1}\\ &+ 64p_{4,9} + 61p_{3,5} + 57p_{4,3} + 65p_{4,11} + 68p_{4,7}\\ &+ 80p_{4,15})\end{aligned}}$$

$$p_{6,0} = \frac{1}{2}p_{5,0} + \frac{1}{2}\sqrt{\begin{aligned}&p_{5,0}^2 - 4(4p_{5,0} + 20p_{5,16} + 19p_{5,8} + 29p_{5,24} + 20p_{5,4}\\ &+ 16p_{5,20} + 13p_{4,12} + 20p_{5,2} + 25p_{5,18} + 12p_{5,10} + 7p_{5,26}\\ &+ 16p_{4,6} + 11p_{5,14} + 13p_{5,30} + 12p_{5,1} + 15p_{5,17} + 22p_{5,9}\\ &+ 16p_{5,25} + 18p_{5,5} + 12p_{5,21} + 13p_{5,13} + 17p_{5,29} + 13p_{5,3}\\ &+ 12p_{5,19} + 22p_{5,11} + 17p_{5,27} + 19p_{5,7} + 17p_{5,23} + 22p_{5,15}\\ &+ 11p_{5,31})\end{aligned}}$$

$$p_{6,32} = \frac{1}{2}p_{5,0} - \frac{1}{2}\sqrt{\begin{aligned}&p_{5,0}^2 - 4(4p_{5,0} + 20p_{5,16} + 19p_{5,8} + 29p_{5,24} + 20p_{5,4}\\ &+ 16p_{5,20} + 13p_{4,12} + 20p_{5,2} + 25p_{5,18} + 12p_{5,10} + 7p_{5,26}\\ &+ 16p_{4,6} + 11p_{5,14} + 13p_{5,30} + 12p_{5,1} + 15p_{5,17} + 22p_{5,9}\\ &+ 16p_{5,25} + 18p_{5,5} + 12p_{5,21} + 13p_{5,13} + 17p_{5,29} + 13p_{5,3}\\ &+ 12p_{5,19} + 22p_{5,11} + 17p_{5,27} + 19p_{5,7} + 17p_{5,23} + 22p_{5,15}\\ &+ 11p_{5,31})\end{aligned}}$$

$$p_{6,16} = \frac{1}{2}p_{5,16} - \frac{1}{2}\sqrt{\begin{aligned}&p_{5,16}^2 - 4(20p_{5,0} + 4p_{5,16} + 29p_{5,8} + 19p_{5,24} + 16p_{5,4}\\&+ 20p_{5,20} + 13p_{4,12} + 25p_{5,2} + 20p_{5,18} + 7p_{5,10} + 12p_{5,26}\\&+ 16p_{4,6} + 13p_{5,14} + 11p_{5,30} + 15p_{5,1} + 12p_{5,17} + 16p_{5,9}\\&+ 22p_{5,25} + 12p_{5,5} + 18p_{5,21} + 17p_{5,13} + 13p_{5,29} + 12p_{5,3}\\&+ 13p_{5,19} + 17p_{5,11} + 22p_{5,27} + 17p_{5,7} + 19p_{5,23} + 11p_{5,15}\\&+ 22p_{5,31})\end{aligned}}$$

$$p_{6,48} = \frac{1}{2}p_{5,16} + \frac{1}{2}\sqrt{\begin{aligned}&p_{5,16}^2 - 4(20p_{5,0} + 4p_{5,16} + 29p_{5,8} + 19p_{5,24} + 16p_{5,4}\\&+ 20p_{5,20} + 13p_{4,12} + 25p_{5,2} + 20p_{5,18} + 7p_{5,10} + 12p_{5,26}\\&+ 16p_{4,6} + 13p_{5,14} + 11p_{5,30} + 15p_{5,1} + 12p_{5,17} + 16p_{5,9}\\&+ 22p_{5,25} + 12p_{5,5} + 18p_{5,21} + 17p_{5,13} + 13p_{5,29} + 12p_{5,3}\\&+ 13p_{5,19} + 17p_{5,11} + 22p_{5,27} + 17p_{5,7} + 19p_{5,23} + 11p_{5,15}\\&+ 22p_{5,31})\end{aligned}}$$

$$p_{6,8} = \frac{1}{2}p_{5,8} + \frac{1}{2}\sqrt{\begin{aligned}&p_{5,8}^2 - 4(29p_{5,0} + 19p_{5,16} + 4p_{5,8} + 20p_{5,24} + 13p_{4,4}\\&+ 20p_{5,12} + 16p_{5,28} + 7p_{5,2} + 12p_{5,18} + 20p_{5,10} + 25p_{5,26}\\&+ 13p_{5,6} + 11p_{5,22} + 16p_{4,14} + 16p_{5,1} + 22p_{5,17} + 12p_{5,9}\\&+ 15p_{5,25} + 17p_{5,5} + 13p_{5,21} + 18p_{5,13} + 12p_{5,29} + 17p_{5,3}\\&+ 22p_{5,19} + 13p_{5,11} + 12p_{5,27} + 11p_{5,7} + 22p_{5,23} + 19p_{5,15}\\&+ 17p_{5,31})\end{aligned}}$$

$$p_{6,40} = \frac{1}{2}p_{5,8} - \frac{1}{2}\sqrt{\begin{aligned}&p_{5,8}^2 - 4(29p_{5,0} + 19p_{5,16} + 4p_{5,8} + 20p_{5,24} + 13p_{4,4}\\&+ 20p_{5,12} + 16p_{5,28} + 7p_{5,2} + 12p_{5,18} + 20p_{5,10} + 25p_{5,26}\\&+ 13p_{5,6} + 11p_{5,22} + 16p_{4,14} + 16p_{5,1} + 22p_{5,17} + 12p_{5,9}\\&+ 15p_{5,25} + 17p_{5,5} + 13p_{5,21} + 18p_{5,13} + 12p_{5,29} + 17p_{5,3}\\&+ 22p_{5,19} + 13p_{5,11} + 12p_{5,27} + 11p_{5,7} + 22p_{5,23} + 19p_{5,15}\\&+ 17p_{5,31})\end{aligned}}$$

$$p_{6,24} = \frac{1}{2}p_{5,24} - \frac{1}{2}\sqrt{\begin{aligned}&p_{5,24}^2 - 4(19p_{5,0} + 29p_{5,16} + 20p_{5,8} + 4p_{5,24} + 13p_{4,4}\\&+ 16p_{5,12} + 20p_{5,28} + 12p_{5,2} + 7p_{5,18} + 25p_{5,10} + 20p_{5,26}\\&+ 11p_{5,6} + 13p_{5,22} + 16p_{4,14} + 22p_{5,1} + 16p_{5,17} + 15p_{5,9}\\&+ 12p_{5,25} + 13p_{5,5} + 17p_{5,21} + 12p_{5,13} + 18p_{5,29} + 22p_{5,3}\\&+ 17p_{5,19} + 12p_{5,11} + 13p_{5,27} + 22p_{5,7} + 11p_{5,23} + 17p_{5,15}\\&+ 19p_{5,31})\end{aligned}}$$

$$p_{6,56} = \frac{1}{2}p_{5,24} + \frac{1}{2}\sqrt{\begin{aligned}&p_{5,24}^2 - 4(19p_{5,0} + 29p_{5,16} + 20p_{5,8} + 4p_{5,24} + 13p_{4,4}\\&+ 16p_{5,12} + 20p_{5,28} + 12p_{5,2} + 7p_{5,18} + 25p_{5,10} + 20p_{5,26}\\&+ 11p_{5,6} + 13p_{5,22} + 16p_{4,14} + 22p_{5,1} + 16p_{5,17} + 15p_{5,9}\\&+ 12p_{5,25} + 13p_{5,5} + 17p_{5,21} + 12p_{5,13} + 18p_{5,29} + 22p_{5,3}\\&+ 17p_{5,19} + 12p_{5,11} + 13p_{5,27} + 22p_{5,7} + 11p_{5,23} + 17p_{5,15}\\&+ 19p_{5,31})\end{aligned}}$$

$$p_{6,4} = \frac{1}{2}p_{5,4} + \frac{1}{2}\sqrt{\begin{aligned}&p_{5,4}^2 - 4(13p_{4,0} + 20p_{5,8} + 16p_{5,24} + 4p_{5,4} + 20p_{5,20}\\&+ 19p_{5,12} + 29p_{5,28} + 13p_{5,2} + 11p_{5,18} + 16p_{4,10} + 20p_{5,6}\\&+ 25p_{5,22} + 12p_{5,14} + 7p_{5,30} + 17p_{5,1} + 13p_{5,17} + 18p_{5,9}\\&+ 12p_{5,25} + 12p_{5,5} + 15p_{5,21} + 22p_{5,13} + 16p_{5,29} + 11p_{5,3}\\&+ 22p_{5,19} + 19p_{5,11} + 17p_{5,27} + 13p_{5,7} + 12p_{5,23} + 22p_{5,15}\\&+ 17p_{5,31})\end{aligned}}$$

$$p_{6,36} = \frac{1}{2}p_{5,4} - \frac{1}{2}\sqrt{\begin{aligned}&p_{5,4}^2 - 4(13p_{4,0} + 20p_{5,8} + 16p_{5,24} + 4p_{5,4} + 20p_{5,20}\\&+ 19p_{5,12} + 29p_{5,28} + 13p_{5,2} + 11p_{5,18} + 16p_{4,10} + 20p_{5,6}\\&+ 25p_{5,22} + 12p_{5,14} + 7p_{5,30} + 17p_{5,1} + 13p_{5,17} + 18p_{5,9}\\&+ 12p_{5,25} + 12p_{5,5} + 15p_{5,21} + 22p_{5,13} + 16p_{5,29} + 11p_{5,3}\\&+ 22p_{5,19} + 19p_{5,11} + 17p_{5,27} + 13p_{5,7} + 12p_{5,23} + 22p_{5,15}\\&+ 17p_{5,31})\end{aligned}}$$

$$p_{6,20} = \frac{1}{2}p_{5,20} + \frac{1}{2}\sqrt{\begin{aligned}&p_{5,20}^2 - 4(13p_{4,0} + 16p_{5,8} + 20p_{5,24} + 20p_{5,4} + 4p_{5,20}\\&+ 29p_{5,12} + 19p_{5,28} + 11p_{5,2} + 13p_{5,18} + 16p_{4,10} + 25p_{5,6}\\&+ 20p_{5,22} + 7p_{5,14} + 12p_{5,30} + 13p_{5,1} + 17p_{5,17} + 12p_{5,9}\\&+ 18p_{5,25} + 15p_{5,5} + 12p_{5,21} + 16p_{5,13} + 22p_{5,29} + 22p_{5,3}\\&+ 11p_{5,19} + 17p_{5,11} + 19p_{5,27} + 12p_{5,7} + 13p_{5,23} + 17p_{5,15}\\&+ 22p_{5,31})\end{aligned}}$$

$$p_{6,52} = \frac{1}{2}p_{5,20} - \frac{1}{2}\sqrt{\begin{aligned}&p_{5,20}^2 - 4(13p_{4,0} + 16p_{5,8} + 20p_{5,24} + 20p_{5,4} + 4p_{5,20}\\&+ 29p_{5,12} + 19p_{5,28} + 11p_{5,2} + 13p_{5,18} + 16p_{4,10} + 25p_{5,6}\\&+ 20p_{5,22} + 7p_{5,14} + 12p_{5,30} + 13p_{5,1} + 17p_{5,17} + 12p_{5,9}\\&+ 18p_{5,25} + 15p_{5,5} + 12p_{5,21} + 16p_{5,13} + 22p_{5,29} + 22p_{5,3}\\&+ 11p_{5,19} + 17p_{5,11} + 19p_{5,27} + 12p_{5,7} + 13p_{5,23} + 17p_{5,15}\\&+ 22p_{5,31})\end{aligned}}$$

$$p_{6,12} = \frac{1}{2}p_{5,12} - \frac{1}{2}\sqrt{\begin{aligned}&p_{5,12}^2 - 4(16p_{5,0} + 20p_{5,16} + 13p_{4,8} + 29p_{5,4} + 19p_{5,20}\\&+ 4p_{5,12} + 20p_{5,28} + 16p_{4,2} + 13p_{5,10} + 11p_{5,26} + 7p_{5,6}\\&+ 12p_{5,22} + 20p_{5,14} + 25p_{5,30} + 12p_{5,1} + 18p_{5,17} + 17p_{5,9}\\&+ 13p_{5,25} + 16p_{5,5} + 22p_{5,21} + 12p_{5,13} + 15p_{5,29} + 17p_{5,3}\\&+ 19p_{5,19} + 11p_{5,11} + 22p_{5,27} + 17p_{5,7} + 22p_{5,23} + 13p_{5,15}\\&+ 12p_{5,31})\end{aligned}}$$

$$p_{6,44} = \frac{1}{2}p_{5,12} + \frac{1}{2}\sqrt{\begin{aligned}&p_{5,12}^2 - 4(16p_{5,0} + 20p_{5,16} + 13p_{4,8} + 29p_{5,4} + 19p_{5,20}\\&+ 4p_{5,12} + 20p_{5,28} + 16p_{4,2} + 13p_{5,10} + 11p_{5,26} + 7p_{5,6}\\&+ 12p_{5,22} + 20p_{5,14} + 25p_{5,30} + 12p_{5,1} + 18p_{5,17} + 17p_{5,9}\\&+ 13p_{5,25} + 16p_{5,5} + 22p_{5,21} + 12p_{5,13} + 15p_{5,29} + 17p_{5,3}\\&+ 19p_{5,19} + 11p_{5,11} + 22p_{5,27} + 17p_{5,7} + 22p_{5,23} + 13p_{5,15}\\&+ 12p_{5,31})\end{aligned}}$$

$$p_{6,28} = \frac{1}{2}p_{5,28} + \frac{1}{2}\sqrt{\begin{aligned}&p_{5,28}^2 - 4(20p_{5,0} + 16p_{5,16} + 13p_{4,8} + 19p_{5,4} + 29p_{5,20}\\ &+ 20p_{5,12} + 4p_{5,28} + 16p_{4,2} + 11p_{5,10} + 13p_{5,26} + 12p_{5,6}\\ &+ 7p_{5,22} + 25p_{5,14} + 20p_{5,30} + 18p_{5,1} + 12p_{5,17} + 13p_{5,9}\\ &+ 17p_{5,25} + 22p_{5,5} + 16p_{5,21} + 15p_{5,13} + 12p_{5,29} + 19p_{5,3}\\ &+ 17p_{5,19} + 22p_{5,11} + 11p_{5,27} + 22p_{5,7} + 17p_{5,23} + 12p_{5,15}\\ &+ 13p_{5,31})\end{aligned}}$$

$$p_{6,60} = \frac{1}{2}p_{5,28} - \frac{1}{2}\sqrt{\begin{aligned}&p_{5,28}^2 - 4(20p_{5,0} + 16p_{5,16} + 13p_{4,8} + 19p_{5,4} + 29p_{5,20}\\ &+ 20p_{5,12} + 4p_{5,28} + 16p_{4,2} + 11p_{5,10} + 13p_{5,26} + 12p_{5,6}\\ &+ 7p_{5,22} + 25p_{5,14} + 20p_{5,30} + 18p_{5,1} + 12p_{5,17} + 13p_{5,9}\\ &+ 17p_{5,25} + 22p_{5,5} + 16p_{5,21} + 15p_{5,13} + 12p_{5,29} + 19p_{5,3}\\ &+ 17p_{5,19} + 22p_{5,11} + 11p_{5,27} + 22p_{5,7} + 17p_{5,23} + 12p_{5,15}\\ &+ 13p_{5,31})\end{aligned}}$$

$$p_{6,2} = \frac{1}{2}p_{5,2} - \frac{1}{2}\sqrt{\begin{aligned}&p_{5,2}^2 - 4(13p_{5,0} + 11p_{5,16} + 16p_{4,8} + 20p_{5,4} + 25p_{5,20}\\ &+ 12p_{5,12} + 7p_{5,28} + 4p_{5,2} + 20p_{5,18} + 19p_{5,10} + 29p_{5,26}\\ &+ 20p_{5,6} + 16p_{5,22} + 13p_{4,14} + 11p_{5,1} + 22p_{5,17} + 19p_{5,9}\\ &+ 17p_{5,25} + 13p_{5,5} + 12p_{5,21} + 22p_{5,13} + 17p_{5,29} + 12p_{5,3}\\ &+ 15p_{5,19} + 22p_{5,11} + 16p_{5,27} + 18p_{5,7} + 12p_{5,23} + 13p_{5,15}\\ &+ 17p_{5,31})\end{aligned}}$$

$$p_{6,34} = \frac{1}{2}p_{5,2} + \frac{1}{2}\sqrt{\begin{aligned}&p_{5,2}^2 - 4(13p_{5,0} + 11p_{5,16} + 16p_{4,8} + 20p_{5,4} + 25p_{5,20}\\ &+ 12p_{5,12} + 7p_{5,28} + 4p_{5,2} + 20p_{5,18} + 19p_{5,10} + 29p_{5,26}\\ &+ 20p_{5,6} + 16p_{5,22} + 13p_{4,14} + 11p_{5,1} + 22p_{5,17} + 19p_{5,9}\\ &+ 17p_{5,25} + 13p_{5,5} + 12p_{5,21} + 22p_{5,13} + 17p_{5,29} + 12p_{5,3}\\ &+ 15p_{5,19} + 22p_{5,11} + 16p_{5,27} + 18p_{5,7} + 12p_{5,23} + 13p_{5,15}\\ &+ 17p_{5,31})\end{aligned}}$$

$$p_{6,18} = \frac{1}{2}p_{5,18} - \frac{1}{2}\sqrt{\begin{aligned}&p_{5,18}^2 - 4(11p_{5,0} + 13p_{5,16} + 16p_{4,8} + 25p_{5,4} + 20p_{5,20}\\ &+ 7p_{5,12} + 12p_{5,28} + 20p_{5,2} + 4p_{5,18} + 29p_{5,10} + 19p_{5,26}\\ &+ 16p_{5,6} + 20p_{5,22} + 13p_{4,14} + 22p_{5,1} + 11p_{5,17} + 17p_{5,9}\\ &+ 19p_{5,25} + 12p_{5,5} + 13p_{5,21} + 17p_{5,13} + 22p_{5,29} + 15p_{5,3}\\ &+ 12p_{5,19} + 16p_{5,11} + 22p_{5,27} + 12p_{5,7} + 18p_{5,23} + 17p_{5,15}\\ &+ 13p_{5,31})\end{aligned}}$$

$$p_{6,50} = \frac{1}{2}p_{5,18} + \frac{1}{2}\sqrt{\begin{aligned}&p_{5,18}^2 - 4(11p_{5,0} + 13p_{5,16} + 16p_{4,8} + 25p_{5,4} + 20p_{5,20}\\ &+ 7p_{5,12} + 12p_{5,28} + 20p_{5,2} + 4p_{5,18} + 29p_{5,10} + 19p_{5,26}\\ &+ 16p_{5,6} + 20p_{5,22} + 13p_{4,14} + 22p_{5,1} + 11p_{5,17} + 17p_{5,9}\\ &+ 19p_{5,25} + 12p_{5,5} + 13p_{5,21} + 17p_{5,13} + 22p_{5,29} + 15p_{5,3}\\ &+ 12p_{5,19} + 16p_{5,11} + 22p_{5,27} + 12p_{5,7} + 18p_{5,23} + 17p_{5,15}\\ &+ 13p_{5,31})\end{aligned}}$$

$$p_{6,10} = \frac{1}{2}p_{5,10} + \frac{1}{2}\sqrt{\begin{aligned}&p_{5,10}^2 - 4(16p_{4,0} + 13p_{5,8} + 11p_{5,24} + 7p_{5,4} + 12p_{5,20}\\&+ 20p_{5,12} + 25p_{5,28} + 29p_{5,2} + 19p_{5,18} + 4p_{5,10} + 20p_{5,26}\\&+ 13p_{4,6} + 20p_{5,14} + 16p_{5,30} + 17p_{5,1} + 19p_{5,17} + 11p_{5,9}\\&+ 22p_{5,25} + 17p_{5,5} + 22p_{5,21} + 13p_{5,13} + 12p_{5,29} + 16p_{5,3}\\&+ 22p_{5,19} + 12p_{5,11} + 15p_{5,27} + 17p_{5,7} + 13p_{5,23} + 18p_{5,15}\\&+ 12p_{5,31})\end{aligned}}$$

$$p_{6,42} = \frac{1}{2}p_{5,10} - \frac{1}{2}\sqrt{\begin{aligned}&p_{5,10}^2 - 4(16p_{4,0} + 13p_{5,8} + 11p_{5,24} + 7p_{5,4} + 12p_{5,20}\\&+ 20p_{5,12} + 25p_{5,28} + 29p_{5,2} + 19p_{5,18} + 4p_{5,10} + 20p_{5,26}\\&+ 13p_{4,6} + 20p_{5,14} + 16p_{5,30} + 17p_{5,1} + 19p_{5,17} + 11p_{5,9}\\&+ 22p_{5,25} + 17p_{5,5} + 22p_{5,21} + 13p_{5,13} + 12p_{5,29} + 16p_{5,3}\\&+ 22p_{5,19} + 12p_{5,11} + 15p_{5,27} + 17p_{5,7} + 13p_{5,23} + 18p_{5,15}\\&+ 12p_{5,31})\end{aligned}}$$

$$p_{6,26} = \frac{1}{2}p_{5,26} - \frac{1}{2}\sqrt{\begin{aligned}&p_{5,26}^2 - 4(16p_{4,0} + 11p_{5,8} + 13p_{5,24} + 12p_{5,4} + 7p_{5,20}\\&+ 25p_{5,12} + 20p_{5,28} + 19p_{5,2} + 29p_{5,18} + 20p_{5,10} + 4p_{5,26}\\&+ 13p_{4,6} + 16p_{5,14} + 20p_{5,30} + 19p_{5,1} + 17p_{5,17} + 22p_{5,9}\\&+ 11p_{5,25} + 22p_{5,5} + 17p_{5,21} + 12p_{5,13} + 13p_{5,29} + 22p_{5,3}\\&+ 16p_{5,19} + 15p_{5,11} + 12p_{5,27} + 13p_{5,7} + 17p_{5,23} + 12p_{5,15}\\&+ 18p_{5,31})\end{aligned}}$$

$$p_{6,58} = \frac{1}{2}p_{5,26} + \frac{1}{2}\sqrt{\begin{aligned}&p_{5,26}^2 - 4(16p_{4,0} + 11p_{5,8} + 13p_{5,24} + 12p_{5,4} + 7p_{5,20}\\&+ 25p_{5,12} + 20p_{5,28} + 19p_{5,2} + 29p_{5,18} + 20p_{5,10} + 4p_{5,26}\\&+ 13p_{4,6} + 16p_{5,14} + 20p_{5,30} + 19p_{5,1} + 17p_{5,17} + 22p_{5,9}\\&+ 11p_{5,25} + 22p_{5,5} + 17p_{5,21} + 12p_{5,13} + 13p_{5,29} + 22p_{5,3}\\&+ 16p_{5,19} + 15p_{5,11} + 12p_{5,27} + 13p_{5,7} + 17p_{5,23} + 12p_{5,15}\\&+ 18p_{5,31})\end{aligned}}$$

$$p_{6,6} = \frac{1}{2}p_{5,6} - \frac{1}{2}\sqrt{\begin{aligned}&p_{5,6}^2 - 4(7p_{5,0} + 12p_{5,16} + 20p_{5,8} + 25p_{5,24} + 13p_{5,4}\\&+ 11p_{5,20} + 16p_{4,12} + 13p_{4,2} + 20p_{5,10} + 16p_{5,26} + 4p_{5,6}\\&+ 20p_{5,22} + 19p_{5,14} + 29p_{5,30} + 17p_{5,1} + 22p_{5,17} + 13p_{5,9}\\&+ 12p_{5,25} + 11p_{5,5} + 22p_{5,21} + 19p_{5,13} + 17p_{5,29} + 17p_{5,3}\\&+ 13p_{5,19} + 18p_{5,11} + 12p_{5,27} + 12p_{5,7} + 15p_{5,23} + 22p_{5,15}\\&+ 16p_{5,31})\end{aligned}}$$

$$p_{6,38} = \frac{1}{2}p_{5,6} + \frac{1}{2}\sqrt{\begin{aligned}&p_{5,6}^2 - 4(7p_{5,0} + 12p_{5,16} + 20p_{5,8} + 25p_{5,24} + 13p_{5,4}\\&+ 11p_{5,20} + 16p_{4,12} + 13p_{4,2} + 20p_{5,10} + 16p_{5,26} + 4p_{5,6}\\&+ 20p_{5,22} + 19p_{5,14} + 29p_{5,30} + 17p_{5,1} + 22p_{5,17} + 13p_{5,9}\\&+ 12p_{5,25} + 11p_{5,5} + 22p_{5,21} + 19p_{5,13} + 17p_{5,29} + 17p_{5,3}\\&+ 13p_{5,19} + 18p_{5,11} + 12p_{5,27} + 12p_{5,7} + 15p_{5,23} + 22p_{5,15}\\&+ 16p_{5,31})\end{aligned}}$$

$$p_{6,22} = \frac{1}{2}p_{5,22} - \frac{1}{2}\sqrt{\begin{aligned}&p_{5,22}^2 - 4(12p_{5,0} + 7p_{5,16} + 25p_{5,8} + 20p_{5,24} + 11p_{5,4}\\&+ 13p_{5,20} + 16p_{4,12} + 13p_{4,2} + 16p_{5,10} + 20p_{5,26} + 20p_{5,6}\\&+ 4p_{5,22} + 29p_{5,14} + 19p_{5,30} + 22p_{5,1} + 17p_{5,17} + 12p_{5,9}\\&+ 13p_{5,25} + 22p_{5,5} + 11p_{5,21} + 17p_{5,13} + 19p_{5,29} + 13p_{5,3}\\&+ 17p_{5,19} + 12p_{5,11} + 18p_{5,27} + 15p_{5,7} + 12p_{5,23} + 16p_{5,15}\\&+ 22p_{5,31})\end{aligned}}$$

$$p_{6,54} = \frac{1}{2}p_{5,22} + \frac{1}{2}\sqrt{\begin{aligned}&p_{5,22}^2 - 4(12p_{5,0} + 7p_{5,16} + 25p_{5,8} + 20p_{5,24} + 11p_{5,4}\\&+ 13p_{5,20} + 16p_{4,12} + 13p_{4,2} + 16p_{5,10} + 20p_{5,26} + 20p_{5,6}\\&+ 4p_{5,22} + 29p_{5,14} + 19p_{5,30} + 22p_{5,1} + 17p_{5,17} + 12p_{5,9}\\&+ 13p_{5,25} + 22p_{5,5} + 11p_{5,21} + 17p_{5,13} + 19p_{5,29} + 13p_{5,3}\\&+ 17p_{5,19} + 12p_{5,11} + 18p_{5,27} + 15p_{5,7} + 12p_{5,23} + 16p_{5,15}\\&+ 22p_{5,31})\end{aligned}}$$

$$p_{6,14} = \frac{1}{2}p_{5,14} + \frac{1}{2}\sqrt{\begin{aligned}&p_{5,14}^2 - 4(25p_{5,0} + 20p_{5,16} + 7p_{5,8} + 12p_{5,24} + 16p_{4,4}\\&+ 13p_{5,12} + 11p_{5,28} + 16p_{5,2} + 20p_{5,18} + 13p_{4,10} + 29p_{5,6}\\&+ 19p_{5,22} + 4p_{5,14} + 20p_{5,30} + 12p_{5,1} + 13p_{5,17} + 17p_{5,9}\\&+ 22p_{5,25} + 17p_{5,5} + 19p_{5,21} + 11p_{5,13} + 22p_{5,29} + 12p_{5,3}\\&+ 18p_{5,19} + 17p_{5,11} + 13p_{5,27} + 16p_{5,7} + 22p_{5,23} + 12p_{5,15}\\&+ 15p_{5,31})\end{aligned}}$$

$$p_{6,46} = \frac{1}{2}p_{5,14} - \frac{1}{2}\sqrt{\begin{aligned}&p_{5,14}^2 - 4(25p_{5,0} + 20p_{5,16} + 7p_{5,8} + 12p_{5,24} + 16p_{4,4}\\&+ 13p_{5,12} + 11p_{5,28} + 16p_{5,2} + 20p_{5,18} + 13p_{4,10} + 29p_{5,6}\\&+ 19p_{5,22} + 4p_{5,14} + 20p_{5,30} + 12p_{5,1} + 13p_{5,17} + 17p_{5,9}\\&+ 22p_{5,25} + 17p_{5,5} + 19p_{5,21} + 11p_{5,13} + 22p_{5,29} + 12p_{5,3}\\&+ 18p_{5,19} + 17p_{5,11} + 13p_{5,27} + 16p_{5,7} + 22p_{5,23} + 12p_{5,15}\\&+ 15p_{5,31})\end{aligned}}$$

$$p_{6,30} = \frac{1}{2}p_{5,30} + \frac{1}{2}\sqrt{\begin{aligned}&p_{5,30}^2 - 4(20p_{5,0} + 25p_{5,16} + 12p_{5,8} + 7p_{5,24} + 16p_{4,4}\\&+ 11p_{5,12} + 13p_{5,28} + 20p_{5,2} + 16p_{5,18} + 13p_{4,10} + 19p_{5,6}\\&+ 29p_{5,22} + 20p_{5,14} + 4p_{5,30} + 13p_{5,1} + 12p_{5,17} + 22p_{5,9}\\&+ 17p_{5,25} + 19p_{5,5} + 17p_{5,21} + 22p_{5,13} + 11p_{5,29} + 18p_{5,3}\\&+ 12p_{5,19} + 13p_{5,11} + 17p_{5,27} + 22p_{5,7} + 16p_{5,23} + 15p_{5,15}\\&+ 12p_{5,31})\end{aligned}}$$

$$p_{6,62} = \frac{1}{2}p_{5,30} - \frac{1}{2}\sqrt{\begin{aligned}&p_{5,30}^2 - 4(20p_{5,0} + 25p_{5,16} + 12p_{5,8} + 7p_{5,24} + 16p_{4,4}\\&+ 11p_{5,12} + 13p_{5,28} + 20p_{5,2} + 16p_{5,18} + 13p_{4,10} + 19p_{5,6}\\&+ 29p_{5,22} + 20p_{5,14} + 4p_{5,30} + 13p_{5,1} + 12p_{5,17} + 22p_{5,9}\\&+ 17p_{5,25} + 19p_{5,5} + 17p_{5,21} + 22p_{5,13} + 11p_{5,29} + 18p_{5,3}\\&+ 12p_{5,19} + 13p_{5,11} + 17p_{5,27} + 22p_{5,7} + 16p_{5,23} + 15p_{5,15}\\&+ 12p_{5,31})\end{aligned}}$$

$$p_{6,1} = \frac{1}{2}p_{5,1} + \frac{1}{2}\sqrt{\begin{aligned}&p_{5,1}^2 - 4(11p_{5,0} + 22p_{5,16} + 19p_{5,8} + 17p_{5,24} + 13p_{5,4}\\&+ 12p_{5,20} + 22p_{5,12} + 17p_{5,28} + 12p_{5,2} + 15p_{5,18} + 22p_{5,10}\\&+ 16p_{5,26} + 18p_{5,6} + 12p_{5,22} + 13p_{5,14} + 17p_{5,30} + 4p_{5,1}\\&+ 20p_{5,17} + 19p_{5,9} + 29p_{5,25} + 20p_{5,5} + 16p_{5,21} + 13p_{4,13}\\&+ 20p_{5,3} + 25p_{5,19} + 12p_{5,11} + 7p_{5,27} + 16p_{4,7} + 11p_{5,15}\\&+ 13p_{5,31})\end{aligned}}$$

$$p_{6,33} = \frac{1}{2}p_{5,1} - \frac{1}{2}\sqrt{\begin{aligned}&p_{5,1}^2 - 4(11p_{5,0} + 22p_{5,16} + 19p_{5,8} + 17p_{5,24} + 13p_{5,4}\\&+ 12p_{5,20} + 22p_{5,12} + 17p_{5,28} + 12p_{5,2} + 15p_{5,18} + 22p_{5,10}\\&+ 16p_{5,26} + 18p_{5,6} + 12p_{5,22} + 13p_{5,14} + 17p_{5,30} + 4p_{5,1}\\&+ 20p_{5,17} + 19p_{5,9} + 29p_{5,25} + 20p_{5,5} + 16p_{5,21} + 13p_{4,13}\\&+ 20p_{5,3} + 25p_{5,19} + 12p_{5,11} + 7p_{5,27} + 16p_{4,7} + 11p_{5,15}\\&+ 13p_{5,31})\end{aligned}}$$

$$p_{6,17} = \frac{1}{2}p_{5,17} - \frac{1}{2}\sqrt{\begin{aligned}&p_{5,17}^2 - 4(22p_{5,0} + 11p_{5,16} + 17p_{5,8} + 19p_{5,24} + 12p_{5,4}\\&+ 13p_{5,20} + 17p_{5,12} + 22p_{5,28} + 15p_{5,2} + 12p_{5,18} + 16p_{5,10}\\&+ 22p_{5,26} + 12p_{5,6} + 18p_{5,22} + 17p_{5,14} + 13p_{5,30} + 20p_{5,1}\\&+ 4p_{5,17} + 29p_{5,9} + 19p_{5,25} + 16p_{5,5} + 20p_{5,21} + 13p_{4,13}\\&+ 25p_{5,3} + 20p_{5,19} + 7p_{5,11} + 12p_{5,27} + 16p_{4,7} + 13p_{5,15}\\&+ 11p_{5,31})\end{aligned}}$$

$$p_{6,49} = \frac{1}{2}p_{5,17} + \frac{1}{2}\sqrt{\begin{aligned}&p_{5,17}^2 - 4(22p_{5,0} + 11p_{5,16} + 17p_{5,8} + 19p_{5,24} + 12p_{5,4}\\&+ 13p_{5,20} + 17p_{5,12} + 22p_{5,28} + 15p_{5,2} + 12p_{5,18} + 16p_{5,10}\\&+ 22p_{5,26} + 12p_{5,6} + 18p_{5,22} + 17p_{5,14} + 13p_{5,30} + 20p_{5,1}\\&+ 4p_{5,17} + 29p_{5,9} + 19p_{5,25} + 16p_{5,5} + 20p_{5,21} + 13p_{4,13}\\&+ 25p_{5,3} + 20p_{5,19} + 7p_{5,11} + 12p_{5,27} + 16p_{4,7} + 13p_{5,15}\\&+ 11p_{5,31})\end{aligned}}$$

$$p_{6,9} = \frac{1}{2}p_{5,9} + \frac{1}{2}\sqrt{\begin{aligned}&p_{5,9}^2 - 4(17p_{5,0} + 19p_{5,16} + 11p_{5,8} + 22p_{5,24} + 17p_{5,4}\\&+ 22p_{5,20} + 13p_{5,12} + 12p_{5,28} + 16p_{5,2} + 22p_{5,18} + 12p_{5,10}\\&+ 15p_{5,26} + 17p_{5,6} + 13p_{5,22} + 18p_{5,14} + 12p_{5,30} + 29p_{5,1}\\&+ 19p_{5,17} + 4p_{5,9} + 20p_{5,25} + 13p_{4,5} + 20p_{5,13} + 16p_{5,29} + 7p_{5,3}\\&+ 12p_{5,19} + 20p_{5,11} + 25p_{5,27} + 13p_{5,7} + 11p_{5,23} + 16p_{4,15})\end{aligned}}$$

$$p_{6,41} = \frac{1}{2}p_{5,9} - \frac{1}{2}\sqrt{\begin{aligned}&p_{5,9}^2 - 4(17p_{5,0} + 19p_{5,16} + 11p_{5,8} + 22p_{5,24} + 17p_{5,4}\\&+ 22p_{5,20} + 13p_{5,12} + 12p_{5,28} + 16p_{5,2} + 22p_{5,18} + 12p_{5,10}\\&+ 15p_{5,26} + 17p_{5,6} + 13p_{5,22} + 18p_{5,14} + 12p_{5,30} + 29p_{5,1}\\&+ 19p_{5,17} + 4p_{5,9} + 20p_{5,25} + 13p_{4,5} + 20p_{5,13} + 16p_{5,29} + 7p_{5,3}\\&+ 12p_{5,19} + 20p_{5,11} + 25p_{5,27} + 13p_{5,7} + 11p_{5,23} + 16p_{4,15})\end{aligned}}$$

$$p_{6,25} = \frac{1}{2}p_{5,25} - \frac{1}{2}\sqrt{\begin{aligned}&p_{5,25}^2 - 4(19p_{5,0} + 17p_{5,16} + 22p_{5,8} + 11p_{5,24} + 22p_{5,4}\\&+ 17p_{5,20} + 12p_{5,12} + 13p_{5,28} + 22p_{5,2} + 16p_{5,18} + 15p_{5,10}\\&+ 12p_{5,26} + 13p_{5,6} + 17p_{5,22} + 12p_{5,14} + 18p_{5,30} + 19p_{5,1}\\&+ 29p_{5,17} + 20p_{5,9} + 4p_{5,25} + 13p_{4,5} + 16p_{5,13} + 20p_{5,29}\\&+ 12p_{5,3} + 7p_{5,19} + 25p_{5,11} + 20p_{5,27} + 11p_{5,7} + 13p_{5,23}\\&+ 16p_{4,15})\end{aligned}}$$

$$p_{6,57} = \frac{1}{2}p_{5,25} + \frac{1}{2}\sqrt{\begin{aligned}&p_{5,25}^2 - 4(19p_{5,0} + 17p_{5,16} + 22p_{5,8} + 11p_{5,24} + 22p_{5,4}\\&+ 17p_{5,20} + 12p_{5,12} + 13p_{5,28} + 22p_{5,2} + 16p_{5,18} + 15p_{5,10}\\&+ 12p_{5,26} + 13p_{5,6} + 17p_{5,22} + 12p_{5,14} + 18p_{5,30} + 19p_{5,1}\\&+ 29p_{5,17} + 20p_{5,9} + 4p_{5,25} + 13p_{4,5} + 16p_{5,13} + 20p_{5,29}\\&+ 12p_{5,3} + 7p_{5,19} + 25p_{5,11} + 20p_{5,27} + 11p_{5,7} + 13p_{5,23}\\&+ 16p_{4,15})\end{aligned}}$$

$$p_{6,5} = \frac{1}{2}p_{5,5} - \frac{1}{2}\sqrt{\begin{aligned}&p_{5,5}^2 - 4(17p_{5,0} + 22p_{5,16} + 13p_{5,8} + 12p_{5,24} + 11p_{5,4}\\&+ 22p_{5,20} + 19p_{5,12} + 17p_{5,28} + 17p_{5,2} + 13p_{5,18} + 18p_{5,10}\\&+ 12p_{5,26} + 12p_{5,6} + 15p_{5,22} + 22p_{5,14} + 16p_{5,30} + 13p_{4,1}\\&+ 20p_{5,9} + 16p_{5,25} + 4p_{5,5} + 20p_{5,21} + 19p_{5,13} + 29p_{5,29}\\&+ 13p_{5,3} + 11p_{5,19} + 16p_{4,11} + 20p_{5,7} + 25p_{5,23} + 12p_{5,15}\\&+ 7p_{5,31})\end{aligned}}$$

$$p_{6,37} = \frac{1}{2}p_{5,5} + \frac{1}{2}\sqrt{\begin{aligned}&p_{5,5}^2 - 4(17p_{5,0} + 22p_{5,16} + 13p_{5,8} + 12p_{5,24} + 11p_{5,4}\\&+ 22p_{5,20} + 19p_{5,12} + 17p_{5,28} + 17p_{5,2} + 13p_{5,18} + 18p_{5,10}\\&+ 12p_{5,26} + 12p_{5,6} + 15p_{5,22} + 22p_{5,14} + 16p_{5,30} + 13p_{4,1}\\&+ 20p_{5,9} + 16p_{5,25} + 4p_{5,5} + 20p_{5,21} + 19p_{5,13} + 29p_{5,29}\\&+ 13p_{5,3} + 11p_{5,19} + 16p_{4,11} + 20p_{5,7} + 25p_{5,23} + 12p_{5,15}\\&+ 7p_{5,31})\end{aligned}}$$

$$p_{6,21} = \frac{1}{2}p_{5,21} - \frac{1}{2}\sqrt{\begin{aligned}&p_{5,21}^2 - 4(22p_{5,0} + 17p_{5,16} + 12p_{5,8} + 13p_{5,24} + 22p_{5,4}\\&+ 11p_{5,20} + 17p_{5,12} + 19p_{5,28} + 13p_{5,2} + 17p_{5,18} + 12p_{5,10}\\&+ 18p_{5,26} + 15p_{5,6} + 12p_{5,22} + 16p_{5,14} + 22p_{5,30} + 13p_{4,1}\\&+ 16p_{5,9} + 20p_{5,25} + 20p_{5,5} + 4p_{5,21} + 29p_{5,13} + 19p_{5,29}\\&+ 11p_{5,3} + 13p_{5,19} + 16p_{4,11} + 25p_{5,7} + 20p_{5,23} + 7p_{5,15}\\&+ 12p_{5,31})\end{aligned}}$$

$$p_{6,53} = \frac{1}{2}p_{5,21} + \frac{1}{2}\sqrt{\begin{aligned}&p_{5,21}^2 - 4(22p_{5,0} + 17p_{5,16} + 12p_{5,8} + 13p_{5,24} + 22p_{5,4}\\&+ 11p_{5,20} + 17p_{5,12} + 19p_{5,28} + 13p_{5,2} + 17p_{5,18} + 12p_{5,10}\\&+ 18p_{5,26} + 15p_{5,6} + 12p_{5,22} + 16p_{5,14} + 22p_{5,30} + 13p_{4,1}\\&+ 16p_{5,9} + 20p_{5,25} + 20p_{5,5} + 4p_{5,21} + 29p_{5,13} + 19p_{5,29}\\&+ 11p_{5,3} + 13p_{5,19} + 16p_{4,11} + 25p_{5,7} + 20p_{5,23} + 7p_{5,15}\\&+ 12p_{5,31})\end{aligned}}$$

$$p_{6,13} = \frac{1}{2}p_{5,13} - \frac{1}{2}\sqrt{\begin{aligned}&p_{5,13}^2 - 4(12p_{5,0} + 13p_{5,16} + 17p_{5,8} + 22p_{5,24} + 17p_{5,4}\\&+ 19p_{5,20} + 11p_{5,12} + 22p_{5,28} + 12p_{5,2} + 18p_{5,18} + 17p_{5,10}\\&+ 13p_{5,26} + 16p_{5,6} + 22p_{5,22} + 12p_{5,14} + 15p_{5,30} + 16p_{5,1}\\&+ 20p_{5,17} + 13p_{4,9} + 29p_{5,5} + 19p_{5,21} + 4p_{5,13} + 20p_{5,29}\\&+ 16p_{4,3} + 13p_{5,11} + 11p_{5,27} + 7p_{5,7} + 12p_{5,23} + 20p_{5,15}\\&+ 25p_{5,31})\end{aligned}}$$

$$p_{6,45} = \frac{1}{2}p_{5,13} + \frac{1}{2}\sqrt{\begin{aligned}&p_{5,13}^2 - 4(12p_{5,0} + 13p_{5,16} + 17p_{5,8} + 22p_{5,24} + 17p_{5,4}\\&+ 19p_{5,20} + 11p_{5,12} + 22p_{5,28} + 12p_{5,2} + 18p_{5,18} + 17p_{5,10}\\&+ 13p_{5,26} + 16p_{5,6} + 22p_{5,22} + 12p_{5,14} + 15p_{5,30} + 16p_{5,1}\\&+ 20p_{5,17} + 13p_{4,9} + 29p_{5,5} + 19p_{5,21} + 4p_{5,13} + 20p_{5,29}\\&+ 16p_{4,3} + 13p_{5,11} + 11p_{5,27} + 7p_{5,7} + 12p_{5,23} + 20p_{5,15}\\&+ 25p_{5,31})\end{aligned}}$$

$$p_{6,29} = \frac{1}{2}p_{5,29} - \frac{1}{2}\sqrt{\begin{aligned}&p_{5,29}^2 - 4(13p_{5,0} + 12p_{5,16} + 22p_{5,8} + 17p_{5,24} + 19p_{5,4}\\&+ 17p_{5,20} + 22p_{5,12} + 11p_{5,28} + 18p_{5,2} + 12p_{5,18} + 13p_{5,10}\\&+ 17p_{5,26} + 22p_{5,6} + 16p_{5,22} + 15p_{5,14} + 12p_{5,30} + 20p_{5,1}\\&+ 16p_{5,17} + 13p_{4,9} + 19p_{5,5} + 29p_{5,21} + 20p_{5,13} + 4p_{5,29}\\&+ 16p_{4,3} + 11p_{5,11} + 13p_{5,27} + 12p_{5,7} + 7p_{5,23} + 25p_{5,15}\\&+ 20p_{5,31})\end{aligned}}$$

$$p_{6,61} = \frac{1}{2}p_{5,29} + \frac{1}{2}\sqrt{\begin{aligned}&p_{5,29}^2 - 4(13p_{5,0} + 12p_{5,16} + 22p_{5,8} + 17p_{5,24} + 19p_{5,4}\\&+ 17p_{5,20} + 22p_{5,12} + 11p_{5,28} + 18p_{5,2} + 12p_{5,18} + 13p_{5,10}\\&+ 17p_{5,26} + 22p_{5,6} + 16p_{5,22} + 15p_{5,14} + 12p_{5,30} + 20p_{5,1}\\&+ 16p_{5,17} + 13p_{4,9} + 19p_{5,5} + 29p_{5,21} + 20p_{5,13} + 4p_{5,29}\\&+ 16p_{4,3} + 11p_{5,11} + 13p_{5,27} + 12p_{5,7} + 7p_{5,23} + 25p_{5,15}\\&+ 20p_{5,31})\end{aligned}}$$

$$p_{6,3} = \frac{1}{2}p_{5,3} + \frac{1}{2}\sqrt{\begin{aligned}&p_{5,3}^2 - 4(17p_{5,0} + 13p_{5,16} + 18p_{5,8} + 12p_{5,24} + 12p_{5,4}\\&+ 15p_{5,20} + 22p_{5,12} + 16p_{5,28} + 11p_{5,2} + 22p_{5,18} + 19p_{5,10}\\&+ 17p_{5,26} + 13p_{5,6} + 12p_{5,22} + 22p_{5,14} + 17p_{5,30} + 13p_{5,1}\\&+ 11p_{5,17} + 16p_{4,9} + 20p_{5,5} + 25p_{5,21} + 12p_{5,13} + 7p_{5,29} + 4p_{5,3}\\&+ 20p_{5,19} + 19p_{5,11} + 29p_{5,27} + 20p_{5,7} + 16p_{5,23} + 13p_{4,15})\end{aligned}}$$

$$p_{6,35} = \frac{1}{2}p_{5,3} - \frac{1}{2}\sqrt{\begin{aligned}&p_{5,3}^2 - 4(17p_{5,0} + 13p_{5,16} + 18p_{5,8} + 12p_{5,24} + 12p_{5,4}\\&+ 15p_{5,20} + 22p_{5,12} + 16p_{5,28} + 11p_{5,2} + 22p_{5,18} + 19p_{5,10}\\&+ 17p_{5,26} + 13p_{5,6} + 12p_{5,22} + 22p_{5,14} + 17p_{5,30} + 13p_{5,1}\\&+ 11p_{5,17} + 16p_{4,9} + 20p_{5,5} + 25p_{5,21} + 12p_{5,13} + 7p_{5,29} + 4p_{5,3}\\&+ 20p_{5,19} + 19p_{5,11} + 29p_{5,27} + 20p_{5,7} + 16p_{5,23} + 13p_{4,15})\end{aligned}}$$

$$p_{6,19} = \frac{1}{2}p_{5,19} - \frac{1}{2}\sqrt{\begin{aligned}&p_{5,19}^2 - 4(13p_{5,0} + 17p_{5,16} + 12p_{5,8} + 18p_{5,24} + 15p_{5,4}\\&+ 12p_{5,20} + 16p_{5,12} + 22p_{5,28} + 22p_{5,2} + 11p_{5,18} + 17p_{5,10}\\&+ 19p_{5,26} + 12p_{5,6} + 13p_{5,22} + 17p_{5,14} + 22p_{5,30} + 11p_{5,1}\\&+ 13p_{5,17} + 16p_{4,9} + 25p_{5,5} + 20p_{5,21} + 7p_{5,13} + 12p_{5,29}\\&+ 20p_{5,3} + 4p_{5,19} + 29p_{5,11} + 19p_{5,27} + 16p_{5,7} + 20p_{5,23}\\&+ 13p_{4,15})\end{aligned}}$$

$$p_{6,51} = \frac{1}{2}p_{5,19} + \frac{1}{2}\sqrt{\begin{aligned}&p_{5,19}^2 - 4(13p_{5,0} + 17p_{5,16} + 12p_{5,8} + 18p_{5,24} + 15p_{5,4}\\&+ 12p_{5,20} + 16p_{5,12} + 22p_{5,28} + 22p_{5,2} + 11p_{5,18} + 17p_{5,10}\\&+ 19p_{5,26} + 12p_{5,6} + 13p_{5,22} + 17p_{5,14} + 22p_{5,30} + 11p_{5,1}\\&+ 13p_{5,17} + 16p_{4,9} + 25p_{5,5} + 20p_{5,21} + 7p_{5,13} + 12p_{5,29}\\&+ 20p_{5,3} + 4p_{5,19} + 29p_{5,11} + 19p_{5,27} + 16p_{5,7} + 20p_{5,23}\\&+ 13p_{4,15})\end{aligned}}$$

$$p_{6,11} = \frac{1}{2}p_{5,11} + \frac{1}{2}\sqrt{\begin{aligned}&p_{5,11}^2 - 4(12p_{5,0} + 18p_{5,16} + 17p_{5,8} + 13p_{5,24} + 16p_{5,4}\\&+ 22p_{5,20} + 12p_{5,12} + 15p_{5,28} + 17p_{5,2} + 19p_{5,18} + 11p_{5,10}\\&+ 22p_{5,26} + 17p_{5,6} + 22p_{5,22} + 13p_{5,14} + 12p_{5,30} + 16p_{4,1}\\&+ 13p_{5,9} + 11p_{5,25} + 7p_{5,5} + 12p_{5,21} + 20p_{5,13} + 25p_{5,29}\\&+ 29p_{5,3} + 19p_{5,19} + 4p_{5,11} + 20p_{5,27} + 13p_{4,7} + 20p_{5,15}\\&+ 16p_{5,31})\end{aligned}}$$

$$p_{6,43} = \frac{1}{2}p_{5,11} - \frac{1}{2}\sqrt{\begin{aligned}&p_{5,11}^2 - 4(12p_{5,0} + 18p_{5,16} + 17p_{5,8} + 13p_{5,24} + 16p_{5,4}\\&+ 22p_{5,20} + 12p_{5,12} + 15p_{5,28} + 17p_{5,2} + 19p_{5,18} + 11p_{5,10}\\&+ 22p_{5,26} + 17p_{5,6} + 22p_{5,22} + 13p_{5,14} + 12p_{5,30} + 16p_{4,1}\\&+ 13p_{5,9} + 11p_{5,25} + 7p_{5,5} + 12p_{5,21} + 20p_{5,13} + 25p_{5,29}\\&+ 29p_{5,3} + 19p_{5,19} + 4p_{5,11} + 20p_{5,27} + 13p_{4,7} + 20p_{5,15}\\&+ 16p_{5,31})\end{aligned}}$$

$$p_{6,27} = \frac{1}{2}p_{5,27} + \frac{1}{2}\sqrt{\begin{aligned}&p_{5,27}^2 - 4(18p_{5,0} + 12p_{5,16} + 13p_{5,8} + 17p_{5,24} + 22p_{5,4}\\&+ 16p_{5,20} + 15p_{5,12} + 12p_{5,28} + 19p_{5,2} + 17p_{5,18} + 22p_{5,10}\\&+ 11p_{5,26} + 22p_{5,6} + 17p_{5,22} + 12p_{5,14} + 13p_{5,30} + 16p_{4,1}\\&+ 11p_{5,9} + 13p_{5,25} + 12p_{5,5} + 7p_{5,21} + 25p_{5,13} + 20p_{5,29}\\&+ 19p_{5,3} + 29p_{5,19} + 20p_{5,11} + 4p_{5,27} + 13p_{4,7} + 16p_{5,15}\\&+ 20p_{5,31})\end{aligned}}$$

$$p_{6,59} = \frac{1}{2}p_{5,27} - \frac{1}{2}\sqrt{\begin{aligned}&p_{5,27}^2 - 4(18p_{5,0} + 12p_{5,16} + 13p_{5,8} + 17p_{5,24} + 22p_{5,4}\\&+ 16p_{5,20} + 15p_{5,12} + 12p_{5,28} + 19p_{5,2} + 17p_{5,18} + 22p_{5,10}\\&+ 11p_{5,26} + 22p_{5,6} + 17p_{5,22} + 12p_{5,14} + 13p_{5,30} + 16p_{4,1}\\&+ 11p_{5,9} + 13p_{5,25} + 12p_{5,5} + 7p_{5,21} + 25p_{5,13} + 20p_{5,29}\\&+ 19p_{5,3} + 29p_{5,19} + 20p_{5,11} + 4p_{5,27} + 13p_{4,7} + 16p_{5,15}\\&+ 20p_{5,31})\end{aligned}}$$

$$p_{6,7} = \frac{1}{2}p_{5,7} - \frac{1}{2}\sqrt{\begin{aligned}&p_{5,7}^2 - 4(16p_{5,0} + 22p_{5,16} + 12p_{5,8} + 15p_{5,24} + 17p_{5,4}\\&+ 13p_{5,20} + 18p_{5,12} + 12p_{5,28} + 17p_{5,2} + 22p_{5,18} + 13p_{5,10}\\&+ 12p_{5,26} + 11p_{5,6} + 22p_{5,22} + 19p_{5,14} + 17p_{5,30} + 7p_{5,1}\\&+ 12p_{5,17} + 20p_{5,9} + 25p_{5,25} + 13p_{5,5} + 11p_{5,21} + 16p_{4,13}\\&+ 13p_{4,3} + 20p_{5,11} + 16p_{5,27} + 4p_{5,7} + 20p_{5,23} + 19p_{5,15}\\&+ 29p_{5,31})\end{aligned}}$$

$$p_{6,39} = \frac{1}{2}p_{5,7} + \frac{1}{2}\sqrt{\begin{aligned}&p_{5,7}^2 - 4(16p_{5,0} + 22p_{5,16} + 12p_{5,8} + 15p_{5,24} + 17p_{5,4}\\&+ 13p_{5,20} + 18p_{5,12} + 12p_{5,28} + 17p_{5,2} + 22p_{5,18} + 13p_{5,10}\\&+ 12p_{5,26} + 11p_{5,6} + 22p_{5,22} + 19p_{5,14} + 17p_{5,30} + 7p_{5,1}\\&+ 12p_{5,17} + 20p_{5,9} + 25p_{5,25} + 13p_{5,5} + 11p_{5,21} + 16p_{4,13}\\&+ 13p_{4,3} + 20p_{5,11} + 16p_{5,27} + 4p_{5,7} + 20p_{5,23} + 19p_{5,15}\\&+ 29p_{5,31})\end{aligned}}$$

$$p_{6,23} = \frac{1}{2}p_{5,23} + \frac{1}{2}\sqrt{\begin{aligned}&p_{5,23}^2 - 4(22p_{5,0} + 16p_{5,16} + 15p_{5,8} + 12p_{5,24} + 13p_{5,4}\\&+ 17p_{5,20} + 12p_{5,12} + 18p_{5,28} + 22p_{5,2} + 17p_{5,18} + 12p_{5,10}\\&+ 13p_{5,26} + 22p_{5,6} + 11p_{5,22} + 17p_{5,14} + 19p_{5,30} + 12p_{5,1}\\&+ 7p_{5,17} + 25p_{5,9} + 20p_{5,25} + 11p_{5,5} + 13p_{5,21} + 16p_{4,13}\\&+ 13p_{4,3} + 16p_{5,11} + 20p_{5,27} + 20p_{5,7} + 4p_{5,23} + 29p_{5,15}\\&+ 19p_{5,31})\end{aligned}}$$

$$p_{6,55} = \frac{1}{2}p_{5,23} - \frac{1}{2}\sqrt{\begin{aligned}&p_{5,23}^2 - 4(22p_{5,0} + 16p_{5,16} + 15p_{5,8} + 12p_{5,24} + 13p_{5,4}\\&+ 17p_{5,20} + 12p_{5,12} + 18p_{5,28} + 22p_{5,2} + 17p_{5,18} + 12p_{5,10}\\&+ 13p_{5,26} + 22p_{5,6} + 11p_{5,22} + 17p_{5,14} + 19p_{5,30} + 12p_{5,1}\\&+ 7p_{5,17} + 25p_{5,9} + 20p_{5,25} + 11p_{5,5} + 13p_{5,21} + 16p_{4,13}\\&+ 13p_{4,3} + 16p_{5,11} + 20p_{5,27} + 20p_{5,7} + 4p_{5,23} + 29p_{5,15}\\&+ 19p_{5,31})\end{aligned}}$$

$$p_{6,15} = \frac{1}{2}p_{5,15} - \frac{1}{2}\sqrt{\begin{aligned}&p_{5,15}^2 - 4(15p_{5,0} + 12p_{5,16} + 16p_{5,8} + 22p_{5,24} + 12p_{5,4}\\&+ 18p_{5,20} + 17p_{5,12} + 13p_{5,28} + 12p_{5,2} + 13p_{5,18} + 17p_{5,10}\\&+ 22p_{5,26} + 17p_{5,6} + 19p_{5,22} + 11p_{5,14} + 22p_{5,30} + 25p_{5,1}\\&+ 20p_{5,17} + 7p_{5,9} + 12p_{5,25} + 16p_{4,5} + 13p_{5,13} + 11p_{5,29}\\&+ 16p_{5,3} + 20p_{5,19} + 13p_{4,11} + 29p_{5,7} + 19p_{5,23} + 4p_{5,15}\\&+ 20p_{5,31})\end{aligned}}$$

$$p_{6,47} = \frac{1}{2}p_{5,15} + \frac{1}{2}\sqrt{\begin{aligned}&p_{5,15}^2 - 4(15p_{5,0} + 12p_{5,16} + 16p_{5,8} + 22p_{5,24} + 12p_{5,4}\\&+ 18p_{5,20} + 17p_{5,12} + 13p_{5,28} + 12p_{5,2} + 13p_{5,18} + 17p_{5,10}\\&+ 22p_{5,26} + 17p_{5,6} + 19p_{5,22} + 11p_{5,14} + 22p_{5,30} + 25p_{5,1}\\&+ 20p_{5,17} + 7p_{5,9} + 12p_{5,25} + 16p_{4,5} + 13p_{5,13} + 11p_{5,29}\\&+ 16p_{5,3} + 20p_{5,19} + 13p_{4,11} + 29p_{5,7} + 19p_{5,23} + 4p_{5,15}\\&+ 20p_{5,31})\end{aligned}}$$

$$p_{6,31} = \frac{1}{2}p_{5,31} + \frac{1}{2}\sqrt{\begin{aligned}&p_{5,31}^2 - 4(12p_{5,0} + 15p_{5,16} + 22p_{5,8} + 16p_{5,24} + 18p_{5,4}\\&+ 12p_{5,20} + 13p_{5,12} + 17p_{5,28} + 13p_{5,2} + 12p_{5,18} + 22p_{5,10}\\&+ 17p_{5,26} + 19p_{5,6} + 17p_{5,22} + 22p_{5,14} + 11p_{5,30} + 20p_{5,1}\\&+ 25p_{5,17} + 12p_{5,9} + 7p_{5,25} + 16p_{4,5} + 11p_{5,13} + 13p_{5,29}\\&+ 20p_{5,3} + 16p_{5,19} + 13p_{4,11} + 19p_{5,7} + 29p_{5,23} + 20p_{5,15}\\&+ 4p_{5,31})\end{aligned}}$$

$$p_{6,63} = \frac{1}{2}p_{5,31} - \frac{1}{2}\sqrt{\begin{aligned}&p_{5,31}^2 - 4(12p_{5,0} + 15p_{5,16} + 22p_{5,8} + 16p_{5,24} + 18p_{5,4}\\&+ 12p_{5,20} + 13p_{5,12} + 17p_{5,28} + 13p_{5,2} + 12p_{5,18} + 22p_{5,10}\\&+ 17p_{5,26} + 19p_{5,6} + 17p_{5,22} + 22p_{5,14} + 11p_{5,30} + 20p_{5,1}\\&+ 25p_{5,17} + 12p_{5,9} + 7p_{5,25} + 16p_{4,5} + 11p_{5,13} + 13p_{5,29}\\&+ 20p_{5,3} + 16p_{5,19} + 13p_{4,11} + 19p_{5,7} + 29p_{5,23} + 20p_{5,15}\\&+ 4p_{5,31})\end{aligned}}$$

$$p_{7,0} = \frac{1}{2}p_{6,0} + \frac{1}{2}\sqrt{\begin{aligned}&p_{6,0}^2 - 4(p_{6,32} + 6p_{6,16} + 7p_{6,48} + 2p_{6,8} + 3p_{6,40} + 3p_{6,24}\\&+ 2p_{6,56} + 5p_{6,4} + p_{6,36} + 2p_{6,20} + 5p_{6,52} + p_{6,12} + 3p_{6,44} + 4p_{6,28}\\&+ 3p_{6,60} + 2p_{6,2} + 3p_{6,34} + 3p_{6,18} + 4p_{6,50} + 5p_{6,10} + 4p_{6,42} + 3p_{5,26}\\&+ 2p_{6,6} + 7p_{6,38} + 5p_{6,22} + 8p_{6,54} + 3p_{5,14} + p_{6,30} + 8p_{6,62} + 3p_{6,1}\\&+ 6p_{6,33} + 8p_{6,17} + 7p_{6,49} + 6p_{6,9} + 3p_{6,41} + 10p_{6,25} + 4p_{6,57} + 5p_{6,5}\\&+ p_{6,37} + 5p_{6,21} + 6p_{6,53} + 6p_{6,13} + 2p_{6,45} + 5p_{5,29} + 5p_{6,3} + 2p_{6,35}\\&+ 5p_{6,19} + 4p_{6,51} + 6p_{5,11} + 3p_{6,27} + 4p_{6,59} + 5p_{6,7} + 3p_{6,39} + p_{6,23}\\&+ 2p_{6,55} + 5p_{6,15} + 4p_{6,47} + 4p_{6,31} + 3p_{6,63})\end{aligned}}$$

$$p_{7,64} = \frac{1}{2}p_{6,0} - \frac{1}{2}\sqrt{\begin{aligned}&p_{6,0}^2 - 4(p_{6,32} + 6p_{6,16} + 7p_{6,48} + 2p_{6,8} + 3p_{6,40} + 3p_{6,24}\\&+ 2p_{6,56} + 5p_{6,4} + p_{6,36} + 2p_{6,20} + 5p_{6,52} + p_{6,12} + 3p_{6,44} + 4p_{6,28}\\&+ 3p_{6,60} + 2p_{6,2} + 3p_{6,34} + 3p_{6,18} + 4p_{6,50} + 5p_{6,10} + 4p_{6,42} + 3p_{5,26}\\&+ 2p_{6,6} + 7p_{6,38} + 5p_{6,22} + 8p_{6,54} + 3p_{5,14} + p_{6,30} + 8p_{6,62} + 3p_{6,1}\\&+ 6p_{6,33} + 8p_{6,17} + 7p_{6,49} + 6p_{6,9} + 3p_{6,41} + 10p_{6,25} + 4p_{6,57} + 5p_{6,5}\\&+ p_{6,37} + 5p_{6,21} + 6p_{6,53} + 6p_{6,13} + 2p_{6,45} + 5p_{5,29} + 5p_{6,3} + 2p_{6,35}\\&+ 5p_{6,19} + 4p_{6,51} + 6p_{5,11} + 3p_{6,27} + 4p_{6,59} + 5p_{6,7} + 3p_{6,39} + p_{6,23}\\&+ 2p_{6,55} + 5p_{6,15} + 4p_{6,47} + 4p_{6,31} + 3p_{6,63})\end{aligned}}$$

$$p_{7,32} = \frac{1}{2}p_{6,32} + \frac{1}{2}\sqrt{\begin{aligned}&p_{6,32}^2 - 4(p_{6,0} + 7p_{6,16} + 6p_{6,48} + 3p_{6,8} + 2p_{6,40} + 2p_{6,24}\\&+ 3p_{6,56} + p_{6,4} + 5p_{6,36} + 5p_{6,20} + 2p_{6,52} + 3p_{6,12} + p_{6,44} + 3p_{6,28}\\&+ 4p_{6,60} + 3p_{6,2} + 2p_{6,34} + 4p_{6,18} + 3p_{6,50} + 4p_{6,10} + 5p_{6,42} + 3p_{5,26}\\&+ 7p_{6,6} + 2p_{6,38} + 8p_{6,22} + 5p_{6,54} + 3p_{5,14} + 8p_{6,30} + p_{6,62} + 6p_{6,1}\\&+ 3p_{6,33} + 7p_{6,17} + 8p_{6,49} + 3p_{6,9} + 6p_{6,41} + 4p_{6,25} + 10p_{6,57} + p_{6,5}\\&+ 5p_{6,37} + 6p_{6,21} + 5p_{6,53} + 2p_{6,13} + 6p_{6,45} + 5p_{5,29} + 2p_{6,3} + 5p_{6,35}\\&+ 4p_{6,19} + 5p_{6,51} + 6p_{5,11} + 4p_{6,27} + 3p_{6,59} + 3p_{6,7} + 5p_{6,39} + 2p_{6,23}\\&+ p_{6,55} + 4p_{6,15} + 5p_{6,47} + 3p_{6,31} + 4p_{6,63})\end{aligned}}$$

$$p_{7,96} = \frac{1}{2}p_{6,32} - \frac{1}{2}\sqrt{\begin{aligned}&p_{6,32}^2 - 4(p_{6,0} + 7p_{6,16} + 6p_{6,48} + 3p_{6,8} + 2p_{6,40} + 2p_{6,24}\\ &+ 3p_{6,56} + p_{6,4} + 5p_{6,36} + 5p_{6,20} + 2p_{6,52} + 3p_{6,12} + p_{6,44} + 3p_{6,28}\\ &+ 4p_{6,60} + 3p_{6,2} + 2p_{6,34} + 4p_{6,18} + 3p_{6,50} + 4p_{6,10} + 5p_{6,42} + 3p_{5,26}\\ &+ 7p_{6,6} + 2p_{6,38} + 8p_{6,22} + 5p_{6,54} + 3p_{5,14} + 8p_{6,30} + p_{6,62} + 6p_{6,1}\\ &+ 3p_{6,33} + 7p_{6,17} + 8p_{6,49} + 3p_{6,9} + 6p_{6,41} + 4p_{6,25} + 10p_{6,57} + p_{6,5}\\ &+ 5p_{6,37} + 6p_{6,21} + 5p_{6,53} + 2p_{6,13} + 6p_{6,45} + 5p_{5,29} + 2p_{6,3} + 5p_{6,35}\\ &+ 4p_{6,19} + 5p_{6,51} + 6p_{5,11} + 4p_{6,27} + 3p_{6,59} + 3p_{6,7} + 5p_{6,39} + 2p_{6,23}\\ &+ p_{6,55} + 4p_{6,15} + 5p_{6,47} + 3p_{6,31} + 4p_{6,63})\end{aligned}}$$

$$p_{7,16} = \frac{1}{2}p_{6,16} + \frac{1}{2}\sqrt{\begin{aligned}&p_{6,16}^2 - 4(7p_{6,0} + 6p_{6,32} + p_{6,48} + 2p_{6,8} + 3p_{6,40} + 2p_{6,24}\\ &+ 3p_{6,56} + 5p_{6,4} + 2p_{6,36} + 5p_{6,20} + p_{6,52} + 3p_{6,12} + 4p_{6,44} + p_{6,28}\\ &+ 3p_{6,60} + 4p_{6,2} + 3p_{6,34} + 2p_{6,18} + 3p_{6,50} + 3p_{5,10} + 5p_{6,26} + 4p_{6,58}\\ &+ 8p_{6,6} + 5p_{6,38} + 2p_{6,22} + 7p_{6,54} + 8p_{6,14} + p_{6,46} + 3p_{5,30} + 7p_{6,1}\\ &+ 8p_{6,33} + 3p_{6,17} + 6p_{6,49} + 4p_{6,9} + 10p_{6,41} + 6p_{6,25} + 3p_{6,57} + 6p_{6,5}\\ &+ 5p_{6,37} + 5p_{6,21} + p_{6,53} + 5p_{5,13} + 6p_{6,29} + 2p_{6,61} + 4p_{6,3} + 5p_{6,35}\\ &+ 5p_{6,19} + 2p_{6,51} + 4p_{6,11} + 3p_{6,43} + 6p_{5,27} + 2p_{6,7} + p_{6,39} + 5p_{6,23}\\ &+ 3p_{6,55} + 3p_{6,15} + 4p_{6,47} + 5p_{6,31} + 4p_{6,63})\end{aligned}}$$

$$p_{7,80} = \frac{1}{2}p_{6,16} - \frac{1}{2}\sqrt{\begin{aligned}&p_{6,16}^2 - 4(7p_{6,0} + 6p_{6,32} + p_{6,48} + 2p_{6,8} + 3p_{6,40} + 2p_{6,24}\\ &+ 3p_{6,56} + 5p_{6,4} + 2p_{6,36} + 5p_{6,20} + p_{6,52} + 3p_{6,12} + 4p_{6,44} + p_{6,28}\\ &+ 3p_{6,60} + 4p_{6,2} + 3p_{6,34} + 2p_{6,18} + 3p_{6,50} + 3p_{5,10} + 5p_{6,26} + 4p_{6,58}\\ &+ 8p_{6,6} + 5p_{6,38} + 2p_{6,22} + 7p_{6,54} + 8p_{6,14} + p_{6,46} + 3p_{5,30} + 7p_{6,1}\\ &+ 8p_{6,33} + 3p_{6,17} + 6p_{6,49} + 4p_{6,9} + 10p_{6,41} + 6p_{6,25} + 3p_{6,57} + 6p_{6,5}\\ &+ 5p_{6,37} + 5p_{6,21} + p_{6,53} + 5p_{5,13} + 6p_{6,29} + 2p_{6,61} + 4p_{6,3} + 5p_{6,35}\\ &+ 5p_{6,19} + 2p_{6,51} + 4p_{6,11} + 3p_{6,43} + 6p_{5,27} + 2p_{6,7} + p_{6,39} + 5p_{6,23}\\ &+ 3p_{6,55} + 3p_{6,15} + 4p_{6,47} + 5p_{6,31} + 4p_{6,63})\end{aligned}}$$

$$p_{7,48} = \frac{1}{2}p_{6,48} - \frac{1}{2}\sqrt{\begin{aligned}&p_{6,48}^2 - 4(6p_{6,0} + 7p_{6,32} + p_{6,16} + 3p_{6,8} + 2p_{6,40} + 3p_{6,24}\\ &+ 2p_{6,56} + 2p_{6,4} + 5p_{6,36} + p_{6,20} + 5p_{6,52} + 4p_{6,12} + 3p_{6,44} + 3p_{6,28}\\ &+ p_{6,60} + 3p_{6,2} + 4p_{6,34} + 3p_{6,18} + 2p_{6,50} + 3p_{5,10} + 4p_{6,26} + 5p_{6,58}\\ &+ 5p_{6,6} + 8p_{6,38} + 7p_{6,22} + 2p_{6,54} + p_{6,14} + 8p_{6,46} + 3p_{5,30} + 8p_{6,1}\\ &+ 7p_{6,33} + 6p_{6,17} + 3p_{6,49} + 10p_{6,9} + 4p_{6,41} + 3p_{6,25} + 6p_{6,57} + 5p_{6,5}\\ &+ 6p_{6,37} + p_{6,21} + 5p_{6,53} + 5p_{5,13} + 2p_{6,29} + 6p_{6,61} + 5p_{6,3} + 4p_{6,35}\\ &+ 2p_{6,19} + 5p_{6,51} + 3p_{6,11} + 4p_{6,43} + 6p_{5,27} + p_{6,7} + 2p_{6,39} + 3p_{6,23}\\ &+ 5p_{6,55} + 4p_{6,15} + 3p_{6,47} + 4p_{6,31} + 5p_{6,63})\end{aligned}}$$

$$p_{7,112} = \frac{1}{2}p_{6,48} + \frac{1}{2}\sqrt{\begin{aligned}&p_{6,48}^2 - 4(6p_{6,0} + 7p_{6,32} + p_{6,16} + 3p_{6,8} + 2p_{6,40} + 3p_{6,24}\\&+ 2p_{6,56} + 2p_{6,4} + 5p_{6,36} + p_{6,20} + 5p_{6,52} + 4p_{6,12} + 3p_{6,44} + 3p_{6,28}\\&+ p_{6,60} + 3p_{6,2} + 4p_{6,34} + 3p_{6,18} + 2p_{6,50} + 3p_{5,10} + 4p_{6,26} + 5p_{6,58}\\&+ 5p_{6,6} + 8p_{6,38} + 7p_{6,22} + 2p_{6,54} + p_{6,14} + 8p_{6,46} + 3p_{5,30} + 8p_{6,1}\\&+ 7p_{6,33} + 6p_{6,17} + 3p_{6,49} + 10p_{6,9} + 4p_{6,41} + 3p_{6,25} + 6p_{6,57} + 5p_{6,5}\\&+ 6p_{6,37} + p_{6,21} + 5p_{6,53} + 5p_{5,13} + 2p_{6,29} + 6p_{6,61} + 5p_{6,3} + 4p_{6,35}\\&+ 2p_{6,19} + 5p_{6,51} + 3p_{6,11} + 4p_{6,43} + 6p_{5,27} + p_{6,7} + 2p_{6,39} + 3p_{6,23}\\&+ 5p_{6,55} + 4p_{6,15} + 3p_{6,47} + 4p_{6,31} + 5p_{6,63})\end{aligned}}$$

$$p_{7,8} = \frac{1}{2}p_{6,8} - \frac{1}{2}\sqrt{\begin{aligned}&p_{6,8}^2 - 4(2p_{6,0} + 3p_{6,32} + 2p_{6,16} + 3p_{6,48} + p_{6,40} + 6p_{6,24}\\&+ 7p_{6,56} + 3p_{6,4} + 4p_{6,36} + p_{6,20} + 3p_{6,52} + 5p_{6,12} + p_{6,44} + 2p_{6,28}\\&+ 5p_{6,60} + 3p_{5,2} + 5p_{6,18} + 4p_{6,50} + 2p_{6,10} + 3p_{6,42} + 3p_{6,26} + 4p_{6,58}\\&+ 8p_{6,6} + p_{6,38} + 3p_{5,22} + 2p_{6,14} + 7p_{6,46} + 5p_{6,30} + 8p_{6,62} + 4p_{6,1}\\&+ 10p_{6,33} + 6p_{6,17} + 3p_{6,49} + 3p_{6,9} + 6p_{6,41} + 8p_{6,25} + 7p_{6,57} + 5p_{5,5}\\&+ 6p_{6,21} + 2p_{6,53} + 5p_{6,13} + p_{6,45} + 5p_{6,29} + 6p_{6,61} + 4p_{6,3} + 3p_{6,35}\\&+ 6p_{5,19} + 5p_{6,11} + 2p_{6,43} + 5p_{6,27} + 4p_{6,59} + 3p_{6,7} + 4p_{6,39} + 5p_{6,23}\\&+ 4p_{6,55} + 5p_{6,15} + 3p_{6,47} + p_{6,31} + 2p_{6,63})\end{aligned}}$$

$$p_{7,72} = \frac{1}{2}p_{6,8} + \frac{1}{2}\sqrt{\begin{aligned}&p_{6,8}^2 - 4(2p_{6,0} + 3p_{6,32} + 2p_{6,16} + 3p_{6,48} + p_{6,40} + 6p_{6,24}\\&+ 7p_{6,56} + 3p_{6,4} + 4p_{6,36} + p_{6,20} + 3p_{6,52} + 5p_{6,12} + p_{6,44} + 2p_{6,28}\\&+ 5p_{6,60} + 3p_{5,2} + 5p_{6,18} + 4p_{6,50} + 2p_{6,10} + 3p_{6,42} + 3p_{6,26} + 4p_{6,58}\\&+ 8p_{6,6} + p_{6,38} + 3p_{5,22} + 2p_{6,14} + 7p_{6,46} + 5p_{6,30} + 8p_{6,62} + 4p_{6,1}\\&+ 10p_{6,33} + 6p_{6,17} + 3p_{6,49} + 3p_{6,9} + 6p_{6,41} + 8p_{6,25} + 7p_{6,57} + 5p_{5,5}\\&+ 6p_{6,21} + 2p_{6,53} + 5p_{6,13} + p_{6,45} + 5p_{6,29} + 6p_{6,61} + 4p_{6,3} + 3p_{6,35}\\&+ 6p_{5,19} + 5p_{6,11} + 2p_{6,43} + 5p_{6,27} + 4p_{6,59} + 3p_{6,7} + 4p_{6,39} + 5p_{6,23}\\&+ 4p_{6,55} + 5p_{6,15} + 3p_{6,47} + p_{6,31} + 2p_{6,63})\end{aligned}}$$

$$p_{7,40} = \frac{1}{2}p_{6,40} - \frac{1}{2}\sqrt{\begin{aligned}&p_{6,40}^2 - 4(3p_{6,0} + 2p_{6,32} + 3p_{6,16} + 2p_{6,48} + p_{6,8} + 7p_{6,24}\\&+ 6p_{6,56} + 4p_{6,4} + 3p_{6,36} + 3p_{6,20} + p_{6,52} + p_{6,12} + 5p_{6,44} + 5p_{6,28}\\&+ 2p_{6,60} + 3p_{5,2} + 4p_{6,18} + 5p_{6,50} + 3p_{6,10} + 2p_{6,42} + 4p_{6,26} + 3p_{6,58}\\&+ p_{6,6} + 8p_{6,38} + 3p_{5,22} + 7p_{6,14} + 2p_{6,46} + 8p_{6,30} + 5p_{6,62} + 10p_{6,1}\\&+ 4p_{6,33} + 3p_{6,17} + 6p_{6,49} + 6p_{6,9} + 3p_{6,41} + 7p_{6,25} + 8p_{6,57} + 5p_{5,5}\\&+ 2p_{6,21} + 6p_{6,53} + p_{6,13} + 5p_{6,45} + 6p_{6,29} + 5p_{6,61} + 3p_{6,3} + 4p_{6,35}\\&+ 6p_{5,19} + 2p_{6,11} + 5p_{6,43} + 4p_{6,27} + 5p_{6,59} + 4p_{6,7} + 3p_{6,39} + 4p_{6,23}\\&+ 5p_{6,55} + 3p_{6,15} + 5p_{6,47} + 2p_{6,31} + p_{6,63})\end{aligned}}$$

$$p_{7,104} = \frac{1}{2}p_{6,40} + \frac{1}{2}\sqrt{\begin{aligned}&p_{6,40}^2 - 4(3p_{6,0} + 2p_{6,32} + 3p_{6,16} + 2p_{6,48} + p_{6,8} + 7p_{6,24}\\&+ 6p_{6,56} + 4p_{6,4} + 3p_{6,36} + 3p_{6,20} + p_{6,52} + p_{6,12} + 5p_{6,44} + 5p_{6,28}\\&+ 2p_{6,60} + 3p_{5,2} + 4p_{6,18} + 5p_{6,50} + 3p_{6,10} + 2p_{6,42} + 4p_{6,26} + 3p_{6,58}\\&+ p_{6,6} + 8p_{6,38} + 3p_{5,22} + 7p_{6,14} + 2p_{6,46} + 8p_{6,30} + 5p_{6,62} + 10p_{6,1}\\&+ 4p_{6,33} + 3p_{6,17} + 6p_{6,49} + 6p_{6,9} + 3p_{6,41} + 7p_{6,25} + 8p_{6,57} + 5p_{5,5}\\&+ 2p_{6,21} + 6p_{6,53} + p_{6,13} + 5p_{6,45} + 6p_{6,29} + 5p_{6,61} + 3p_{6,3} + 4p_{6,35}\\&+ 6p_{5,19} + 2p_{6,11} + 5p_{6,43} + 4p_{6,27} + 5p_{6,59} + 4p_{6,7} + 3p_{6,39} + 4p_{6,23}\\&+ 5p_{6,55} + 3p_{6,15} + 5p_{6,47} + 2p_{6,31} + p_{6,63})\end{aligned}}$$

$$p_{7,24} = \frac{1}{2}p_{6,24} - \frac{1}{2}\sqrt{\begin{aligned}&p_{6,24}^2 - 4(3p_{6,0} + 2p_{6,32} + 2p_{6,16} + 3p_{6,48} + 7p_{6,8} + 6p_{6,40}\\&+ p_{6,56} + 3p_{6,4} + p_{6,36} + 3p_{6,20} + 4p_{6,52} + 5p_{6,12} + 2p_{6,44} + 5p_{6,28}\\&+ p_{6,60} + 4p_{6,2} + 5p_{6,34} + 3p_{5,18} + 4p_{6,10} + 3p_{6,42} + 2p_{6,26} + 3p_{6,58}\\&+ 3p_{5,6} + 8p_{6,22} + p_{6,54} + 8p_{6,14} + 5p_{6,46} + 2p_{6,30} + 7p_{6,62} + 3p_{6,1}\\&+ 6p_{6,33} + 4p_{6,17} + 10p_{6,49} + 7p_{6,9} + 8p_{6,41} + 3p_{6,25} + 6p_{6,57} + 2p_{6,5}\\&+ 6p_{6,37} + 5p_{5,21} + 6p_{6,13} + 5p_{6,45} + 5p_{6,29} + p_{6,61} + 6p_{5,3} + 4p_{6,19}\\&+ 3p_{6,51} + 4p_{6,11} + 5p_{6,43} + 5p_{6,27} + 2p_{6,59} + 4p_{6,7} + 5p_{6,39} + 3p_{6,23}\\&+ 4p_{6,55} + 2p_{6,15} + p_{6,47} + 5p_{6,31} + 3p_{6,63})\end{aligned}}$$

$$p_{7,88} = \frac{1}{2}p_{6,24} + \frac{1}{2}\sqrt{\begin{aligned}&p_{6,24}^2 - 4(3p_{6,0} + 2p_{6,32} + 2p_{6,16} + 3p_{6,48} + 7p_{6,8} + 6p_{6,40}\\&+ p_{6,56} + 3p_{6,4} + p_{6,36} + 3p_{6,20} + 4p_{6,52} + 5p_{6,12} + 2p_{6,44} + 5p_{6,28}\\&+ p_{6,60} + 4p_{6,2} + 5p_{6,34} + 3p_{5,18} + 4p_{6,10} + 3p_{6,42} + 2p_{6,26} + 3p_{6,58}\\&+ 3p_{5,6} + 8p_{6,22} + p_{6,54} + 8p_{6,14} + 5p_{6,46} + 2p_{6,30} + 7p_{6,62} + 3p_{6,1}\\&+ 6p_{6,33} + 4p_{6,17} + 10p_{6,49} + 7p_{6,9} + 8p_{6,41} + 3p_{6,25} + 6p_{6,57} + 2p_{6,5}\\&+ 6p_{6,37} + 5p_{5,21} + 6p_{6,13} + 5p_{6,45} + 5p_{6,29} + p_{6,61} + 6p_{5,3} + 4p_{6,19}\\&+ 3p_{6,51} + 4p_{6,11} + 5p_{6,43} + 5p_{6,27} + 2p_{6,59} + 4p_{6,7} + 5p_{6,39} + 3p_{6,23}\\&+ 4p_{6,55} + 2p_{6,15} + p_{6,47} + 5p_{6,31} + 3p_{6,63})\end{aligned}}$$

$$p_{7,56} = \frac{1}{2}p_{6,56} + \frac{1}{2}\sqrt{\begin{aligned}&p_{6,56}^2 - 4(2p_{6,0} + 3p_{6,32} + 3p_{6,16} + 2p_{6,48} + 6p_{6,8} + 7p_{6,40}\\&+ p_{6,24} + p_{6,4} + 3p_{6,36} + 4p_{6,20} + 3p_{6,52} + 2p_{6,12} + 5p_{6,44} + p_{6,28}\\&+ 5p_{6,60} + 5p_{6,2} + 4p_{6,34} + 3p_{5,18} + 3p_{6,10} + 4p_{6,42} + 3p_{6,26} + 2p_{6,58}\\&+ 3p_{5,6} + p_{6,22} + 8p_{6,54} + 5p_{6,14} + 8p_{6,46} + 7p_{6,30} + 2p_{6,62} + 6p_{6,1}\\&+ 3p_{6,33} + 10p_{6,17} + 4p_{6,49} + 8p_{6,9} + 7p_{6,41} + 6p_{6,25} + 3p_{6,57} + 6p_{6,5}\\&+ 2p_{6,37} + 5p_{5,21} + 5p_{6,13} + 6p_{6,45} + p_{6,29} + 5p_{6,61} + 6p_{5,3} + 3p_{6,19}\\&+ 4p_{6,51} + 5p_{6,11} + 4p_{6,43} + 2p_{6,27} + 5p_{6,59} + 5p_{6,7} + 4p_{6,39} + 4p_{6,23}\\&+ 3p_{6,55} + p_{6,15} + 2p_{6,47} + 3p_{6,31} + 5p_{6,63})\end{aligned}}$$

$$p_{7,120} = \frac{1}{2}p_{6,56} - \frac{1}{2}\sqrt{\begin{aligned}&p_{6,56}^2 - 4(2p_{6,0} + 3p_{6,32} + 3p_{6,16} + 2p_{6,48} + 6p_{6,8} + 7p_{6,40}\\ &+ p_{6,24} + p_{6,4} + 3p_{6,36} + 4p_{6,20} + 3p_{6,52} + 2p_{6,12} + 5p_{6,44} + p_{6,28}\\ &+ 5p_{6,60} + 5p_{6,2} + 4p_{6,34} + 3p_{5,18} + 3p_{6,10} + 4p_{6,42} + 3p_{6,26} + 2p_{6,58}\\ &+ 3p_{5,6} + p_{6,22} + 8p_{6,54} + 5p_{6,14} + 8p_{6,46} + 7p_{6,30} + 2p_{6,62} + 6p_{6,1}\\ &+ 3p_{6,33} + 10p_{6,17} + 4p_{6,49} + 8p_{6,9} + 7p_{6,41} + 6p_{6,25} + 3p_{6,57} + 6p_{6,5}\\ &+ 2p_{6,37} + 5p_{5,21} + 5p_{6,13} + 6p_{6,45} + p_{6,29} + 5p_{6,61} + 6p_{5,3} + 3p_{6,19}\\ &+ 4p_{6,51} + 5p_{6,11} + 4p_{6,43} + 2p_{6,27} + 5p_{6,59} + 5p_{6,7} + 4p_{6,39} + 4p_{6,23}\\ &+ 3p_{6,55} + p_{6,15} + 2p_{6,47} + 3p_{6,31} + 5p_{6,63})\end{aligned}}$$

$$p_{7,4} = \frac{1}{2}p_{6,4} - \frac{1}{2}\sqrt{\begin{aligned}&p_{6,4}^2 - 4(3p_{6,0} + 4p_{6,32} + p_{6,16} + 3p_{6,48} + 5p_{6,8} + p_{6,40}\\ &+ 2p_{6,24} + 5p_{6,56} + p_{6,36} + 6p_{6,20} + 7p_{6,52} + 2p_{6,12} + 3p_{6,44} + 3p_{6,28}\\ &+ 2p_{6,60} + 8p_{6,2} + p_{6,34} + 3p_{5,18} + 2p_{6,10} + 7p_{6,42} + 5p_{6,26} + 8p_{6,58}\\ &+ 2p_{6,6} + 3p_{6,38} + 3p_{6,22} + 4p_{6,54} + 5p_{6,14} + 4p_{6,46} + 3p_{5,30} + 5p_{5,1}\\ &+ 6p_{6,17} + 2p_{6,49} + 5p_{6,9} + p_{6,41} + 5p_{6,25} + 6p_{6,57} + 3p_{6,5} + 6p_{6,37}\\ &+ 8p_{6,21} + 7p_{6,53} + 6p_{6,13} + 3p_{6,45} + 10p_{6,29} + 4p_{6,61} + 3p_{6,3} + 4p_{6,35}\\ &+ 5p_{6,19} + 4p_{6,51} + 5p_{6,11} + 3p_{6,43} + p_{6,27} + 2p_{6,59} + 5p_{6,7} + 2p_{6,39}\\ &+ 5p_{6,23} + 4p_{6,55} + 6p_{5,15} + 3p_{6,31} + 4p_{6,63})\end{aligned}}$$

$$p_{7,68} = \frac{1}{2}p_{6,4} + \frac{1}{2}\sqrt{\begin{aligned}&p_{6,4}^2 - 4(3p_{6,0} + 4p_{6,32} + p_{6,16} + 3p_{6,48} + 5p_{6,8} + p_{6,40}\\ &+ 2p_{6,24} + 5p_{6,56} + p_{6,36} + 6p_{6,20} + 7p_{6,52} + 2p_{6,12} + 3p_{6,44} + 3p_{6,28}\\ &+ 2p_{6,60} + 8p_{6,2} + p_{6,34} + 3p_{5,18} + 2p_{6,10} + 7p_{6,42} + 5p_{6,26} + 8p_{6,58}\\ &+ 2p_{6,6} + 3p_{6,38} + 3p_{6,22} + 4p_{6,54} + 5p_{6,14} + 4p_{6,46} + 3p_{5,30} + 5p_{5,1}\\ &+ 6p_{6,17} + 2p_{6,49} + 5p_{6,9} + p_{6,41} + 5p_{6,25} + 6p_{6,57} + 3p_{6,5} + 6p_{6,37}\\ &+ 8p_{6,21} + 7p_{6,53} + 6p_{6,13} + 3p_{6,45} + 10p_{6,29} + 4p_{6,61} + 3p_{6,3} + 4p_{6,35}\\ &+ 5p_{6,19} + 4p_{6,51} + 5p_{6,11} + 3p_{6,43} + p_{6,27} + 2p_{6,59} + 5p_{6,7} + 2p_{6,39}\\ &+ 5p_{6,23} + 4p_{6,55} + 6p_{5,15} + 3p_{6,31} + 4p_{6,63})\end{aligned}}$$

$$p_{7,36} = \frac{1}{2}p_{6,36} + \frac{1}{2}\sqrt{\begin{aligned}&p_{6,36}^2 - 4(4p_{6,0} + 3p_{6,32} + 3p_{6,16} + p_{6,48} + p_{6,8} + 5p_{6,40}\\ &+ 5p_{6,24} + 2p_{6,56} + p_{6,4} + 7p_{6,20} + 6p_{6,52} + 3p_{6,12} + 2p_{6,44} + 2p_{6,28}\\ &+ 3p_{6,60} + p_{6,2} + 8p_{6,34} + 3p_{5,18} + 7p_{6,10} + 2p_{6,42} + 8p_{6,26} + 5p_{6,58}\\ &+ 3p_{6,6} + 2p_{6,38} + 4p_{6,22} + 3p_{6,54} + 4p_{6,14} + 5p_{6,46} + 3p_{5,30} + 5p_{5,1}\\ &+ 2p_{6,17} + 6p_{6,49} + p_{6,9} + 5p_{6,41} + 6p_{6,25} + 5p_{6,57} + 6p_{6,5} + 3p_{6,37}\\ &+ 7p_{6,21} + 8p_{6,53} + 3p_{6,13} + 6p_{6,45} + 4p_{6,29} + 10p_{6,61} + 4p_{6,3} + 3p_{6,35}\\ &+ 4p_{6,19} + 5p_{6,51} + 3p_{6,11} + 5p_{6,43} + 2p_{6,27} + p_{6,59} + 2p_{6,7} + 5p_{6,39}\\ &+ 4p_{6,23} + 5p_{6,55} + 6p_{5,15} + 4p_{6,31} + 3p_{6,63})\end{aligned}}$$

$$p_{7,100} = \frac{1}{2}p_{6,36} - \frac{1}{2}\sqrt{\begin{array}{l} p_{6,36}^2 - 4(4p_{6,0} + 3p_{6,32} + 3p_{6,16} + p_{6,48} + p_{6,8} + 5p_{6,40} \\ \quad + 5p_{6,24} + 2p_{6,56} + p_{6,4} + 7p_{6,20} + 6p_{6,52} + 3p_{6,12} + 2p_{6,44} + 2p_{6,28} \\ \quad + 3p_{6,60} + p_{6,2} + 8p_{6,34} + 3p_{5,18} + 7p_{6,10} + 2p_{6,42} + 8p_{6,26} + 5p_{6,58} \\ \quad + 3p_{6,6} + 2p_{6,38} + 4p_{6,22} + 3p_{6,54} + 4p_{6,14} + 5p_{6,46} + 3p_{5,30} + 5p_{5,1} \\ \quad + 2p_{6,17} + 6p_{6,49} + p_{6,9} + 5p_{6,41} + 6p_{6,25} + 5p_{6,57} + 6p_{6,5} + 3p_{6,37} \\ \quad + 7p_{6,21} + 8p_{6,53} + 3p_{6,13} + 6p_{6,45} + 4p_{6,29} + 10p_{6,61} + 4p_{6,3} + 3p_{6,35} \\ \quad + 4p_{6,19} + 5p_{6,51} + 3p_{6,11} + 5p_{6,43} + 2p_{6,27} + p_{6,59} + 2p_{6,7} + 5p_{6,39} \\ \quad + 4p_{6,23} + 5p_{6,55} + 6p_{5,15} + 4p_{6,31} + 3p_{6,63}) \end{array}}$$

$$p_{7,20} = \frac{1}{2}p_{6,20} + \frac{1}{2}\sqrt{\begin{array}{l} p_{6,20}^2 - 4(3p_{6,0} + p_{6,32} + 3p_{6,16} + 4p_{6,48} + 5p_{6,8} + 2p_{6,40} \\ \quad + 5p_{6,24} + p_{6,56} + 7p_{6,4} + 6p_{6,36} + p_{6,52} + 2p_{6,12} + 3p_{6,44} + 2p_{6,28} \\ \quad + 3p_{6,60} + 3p_{5,2} + 8p_{6,18} + p_{6,50} + 8p_{6,10} + 5p_{6,42} + 2p_{6,26} + 7p_{6,58} \\ \quad + 4p_{6,6} + 3p_{6,38} + 2p_{6,22} + 3p_{6,54} + 3p_{5,14} + 5p_{6,30} + 4p_{6,62} + 2p_{6,1} \\ \quad + 6p_{6,33} + 5p_{5,17} + 6p_{6,9} + 5p_{6,41} + 5p_{6,25} + p_{6,57} + 7p_{6,5} + 8p_{6,37} \\ \quad + 3p_{6,21} + 6p_{6,53} + 4p_{6,13} + 10p_{6,45} + 6p_{6,29} + 3p_{6,61} + 4p_{6,3} + 5p_{6,35} \\ \quad + 3p_{6,19} + 4p_{6,51} + 2p_{6,11} + p_{6,43} + 5p_{6,27} + 3p_{6,59} + 4p_{6,7} + 5p_{6,39} \\ \quad + 5p_{6,23} + 2p_{6,55} + 4p_{6,15} + 3p_{6,47} + 6p_{5,31}) \end{array}}$$

$$p_{7,84} = \frac{1}{2}p_{6,20} - \frac{1}{2}\sqrt{\begin{array}{l} p_{6,20}^2 - 4(3p_{6,0} + p_{6,32} + 3p_{6,16} + 4p_{6,48} + 5p_{6,8} + 2p_{6,40} \\ \quad + 5p_{6,24} + p_{6,56} + 7p_{6,4} + 6p_{6,36} + p_{6,52} + 2p_{6,12} + 3p_{6,44} + 2p_{6,28} \\ \quad + 3p_{6,60} + 3p_{5,2} + 8p_{6,18} + p_{6,50} + 8p_{6,10} + 5p_{6,42} + 2p_{6,26} + 7p_{6,58} \\ \quad + 4p_{6,6} + 3p_{6,38} + 2p_{6,22} + 3p_{6,54} + 3p_{5,14} + 5p_{6,30} + 4p_{6,62} + 2p_{6,1} \\ \quad + 6p_{6,33} + 5p_{5,17} + 6p_{6,9} + 5p_{6,41} + 5p_{6,25} + p_{6,57} + 7p_{6,5} + 8p_{6,37} \\ \quad + 3p_{6,21} + 6p_{6,53} + 4p_{6,13} + 10p_{6,45} + 6p_{6,29} + 3p_{6,61} + 4p_{6,3} + 5p_{6,35} \\ \quad + 3p_{6,19} + 4p_{6,51} + 2p_{6,11} + p_{6,43} + 5p_{6,27} + 3p_{6,59} + 4p_{6,7} + 5p_{6,39} \\ \quad + 5p_{6,23} + 2p_{6,55} + 4p_{6,15} + 3p_{6,47} + 6p_{5,31}) \end{array}}$$

$$p_{7,52} = \frac{1}{2}p_{6,52} - \frac{1}{2}\sqrt{\begin{array}{l} p_{6,52}^2 - 4(p_{6,0} + 3p_{6,32} + 4p_{6,16} + 3p_{6,48} + 2p_{6,8} + 5p_{6,40} \\ \quad + p_{6,24} + 5p_{6,56} + 6p_{6,4} + 7p_{6,36} + p_{6,20} + 3p_{6,12} + 2p_{6,44} + 3p_{6,28} \\ \quad + 2p_{6,60} + 3p_{5,2} + p_{6,18} + 8p_{6,50} + 5p_{6,10} + 8p_{6,42} + 7p_{6,26} + 2p_{6,58} \\ \quad + 3p_{6,6} + 4p_{6,38} + 3p_{6,22} + 2p_{6,54} + 3p_{5,14} + 4p_{6,30} + 5p_{6,62} + 6p_{6,1} \\ \quad + 2p_{6,33} + 5p_{5,17} + 5p_{6,9} + 6p_{6,41} + p_{6,25} + 5p_{6,57} + 8p_{6,5} + 7p_{6,37} \\ \quad + 6p_{6,21} + 3p_{6,53} + 10p_{6,13} + 4p_{6,45} + 3p_{6,29} + 6p_{6,61} + 5p_{6,3} + 4p_{6,35} \\ \quad + 4p_{6,19} + 3p_{6,51} + p_{6,11} + 2p_{6,43} + 3p_{6,27} + 5p_{6,59} + 5p_{6,7} + 4p_{6,39} \\ \quad + 2p_{6,23} + 5p_{6,55} + 3p_{6,15} + 4p_{6,47} + 6p_{5,31}) \end{array}}$$

$$p_{7,116} = \frac{1}{2}p_{6,52} + \frac{1}{2}\sqrt{\begin{aligned}&p_{6,52}^2 - 4(p_{6,0} + 3p_{6,32} + 4p_{6,16} + 3p_{6,48} + 2p_{6,8} + 5p_{6,40}\\ &+ p_{6,24} + 5p_{6,56} + 6p_{6,4} + 7p_{6,36} + p_{6,20} + 3p_{6,12} + 2p_{6,44} + 3p_{6,28}\\ &+ 2p_{6,60} + 3p_{5,2} + p_{6,18} + 8p_{6,50} + 5p_{6,10} + 8p_{6,42} + 7p_{6,26} + 2p_{6,58}\\ &+ 3p_{6,6} + 4p_{6,38} + 3p_{6,22} + 2p_{6,54} + 3p_{5,14} + 4p_{6,30} + 5p_{6,62} + 6p_{6,1}\\ &+ 2p_{6,33} + 5p_{5,17} + 5p_{6,9} + 6p_{6,41} + p_{6,25} + 5p_{6,57} + 8p_{6,5} + 7p_{6,37}\\ &+ 6p_{6,21} + 3p_{6,53} + 10p_{6,13} + 4p_{6,45} + 3p_{6,29} + 6p_{6,61} + 5p_{6,3} + 4p_{6,35}\\ &+ 4p_{6,19} + 3p_{6,51} + p_{6,11} + 2p_{6,43} + 3p_{6,27} + 5p_{6,59} + 5p_{6,7} + 4p_{6,39}\\ &+ 2p_{6,23} + 5p_{6,55} + 3p_{6,15} + 4p_{6,47} + 6p_{5,31})\end{aligned}}$$

$$p_{7,12} = \frac{1}{2}p_{6,12} - \frac{1}{2}\sqrt{\begin{aligned}&p_{6,12}^2 - 4(5p_{6,0} + 2p_{6,32} + 5p_{6,16} + p_{6,48} + 3p_{6,8} + 4p_{6,40}\\ &+ p_{6,24} + 3p_{6,56} + 2p_{6,4} + 3p_{6,36} + 2p_{6,20} + 3p_{6,52} + p_{6,44} + 6p_{6,28}\\ &+ 7p_{6,60} + 8p_{6,2} + 5p_{6,34} + 2p_{6,18} + 7p_{6,50} + 8p_{6,10} + p_{6,42} + 3p_{5,26}\\ &+ 3p_{5,6} + 5p_{6,22} + 4p_{6,54} + 2p_{6,14} + 3p_{6,46} + 3p_{6,30} + 4p_{6,62} + 6p_{6,1}\\ &+ 5p_{6,33} + 5p_{6,17} + p_{6,49} + 5p_{5,9} + 6p_{6,25} + 2p_{6,57} + 4p_{6,5} + 10p_{6,37}\\ &+ 6p_{6,21} + 3p_{6,53} + 3p_{6,13} + 6p_{6,45} + 8p_{6,29} + 7p_{6,61} + 2p_{6,3} + p_{6,35}\\ &+ 5p_{6,19} + 3p_{6,51} + 3p_{6,11} + 4p_{6,43} + 5p_{6,27} + 4p_{6,59} + 4p_{6,7} + 3p_{6,39}\\ &+ 6p_{5,23} + 5p_{6,15} + 2p_{6,47} + 5p_{6,31} + 4p_{6,63})\end{aligned}}$$

$$p_{7,76} = \frac{1}{2}p_{6,12} + \frac{1}{2}\sqrt{\begin{aligned}&p_{6,12}^2 - 4(5p_{6,0} + 2p_{6,32} + 5p_{6,16} + p_{6,48} + 3p_{6,8} + 4p_{6,40}\\ &+ p_{6,24} + 3p_{6,56} + 2p_{6,4} + 3p_{6,36} + 2p_{6,20} + 3p_{6,52} + p_{6,44} + 6p_{6,28}\\ &+ 7p_{6,60} + 8p_{6,2} + 5p_{6,34} + 2p_{6,18} + 7p_{6,50} + 8p_{6,10} + p_{6,42} + 3p_{5,26}\\ &+ 3p_{5,6} + 5p_{6,22} + 4p_{6,54} + 2p_{6,14} + 3p_{6,46} + 3p_{6,30} + 4p_{6,62} + 6p_{6,1}\\ &+ 5p_{6,33} + 5p_{6,17} + p_{6,49} + 5p_{5,9} + 6p_{6,25} + 2p_{6,57} + 4p_{6,5} + 10p_{6,37}\\ &+ 6p_{6,21} + 3p_{6,53} + 3p_{6,13} + 6p_{6,45} + 8p_{6,29} + 7p_{6,61} + 2p_{6,3} + p_{6,35}\\ &+ 5p_{6,19} + 3p_{6,51} + 3p_{6,11} + 4p_{6,43} + 5p_{6,27} + 4p_{6,59} + 4p_{6,7} + 3p_{6,39}\\ &+ 6p_{5,23} + 5p_{6,15} + 2p_{6,47} + 5p_{6,31} + 4p_{6,63})\end{aligned}}$$

$$p_{7,44} = \frac{1}{2}p_{6,44} + \frac{1}{2}\sqrt{\begin{aligned}&p_{6,44}^2 - 4(2p_{6,0} + 5p_{6,32} + p_{6,16} + 5p_{6,48} + 4p_{6,8} + 3p_{6,40}\\ &+ 3p_{6,24} + p_{6,56} + 3p_{6,4} + 2p_{6,36} + 3p_{6,20} + 2p_{6,52} + p_{6,12} + 7p_{6,28}\\ &+ 6p_{6,60} + 5p_{6,2} + 8p_{6,34} + 7p_{6,18} + 2p_{6,50} + p_{6,10} + 8p_{6,42} + 3p_{5,26}\\ &+ 3p_{5,6} + 4p_{6,22} + 5p_{6,54} + 3p_{6,14} + 2p_{6,46} + 4p_{6,30} + 3p_{6,62} + 5p_{6,1}\\ &+ 6p_{6,33} + p_{6,17} + 5p_{6,49} + 5p_{5,9} + 2p_{6,25} + 6p_{6,57} + 10p_{6,5} + 4p_{6,37}\\ &+ 3p_{6,21} + 6p_{6,53} + 6p_{6,13} + 3p_{6,45} + 7p_{6,29} + 8p_{6,61} + p_{6,3} + 2p_{6,35}\\ &+ 3p_{6,19} + 5p_{6,51} + 4p_{6,11} + 3p_{6,43} + 4p_{6,27} + 5p_{6,59} + 3p_{6,7} + 4p_{6,39}\\ &+ 6p_{5,23} + 2p_{6,15} + 5p_{6,47} + 4p_{6,31} + 5p_{6,63})\end{aligned}}$$

$$p_{7,108} = \frac{1}{2}p_{6,44} - \frac{1}{2}\sqrt{\begin{aligned}&p_{6,44}^2 - 4(2p_{6,0} + 5p_{6,32} + p_{6,16} + 5p_{6,48} + 4p_{6,8} + 3p_{6,40}\\ &+ 3p_{6,24} + p_{6,56} + 3p_{6,4} + 2p_{6,36} + 3p_{6,20} + 2p_{6,52} + p_{6,12} + 7p_{6,28}\\ &+ 6p_{6,60} + 5p_{6,2} + 8p_{6,34} + 7p_{6,18} + 2p_{6,50} + p_{6,10} + 8p_{6,42} + 3p_{5,26}\\ &+ 3p_{5,6} + 4p_{6,22} + 5p_{6,54} + 3p_{6,14} + 2p_{6,46} + 4p_{6,30} + 3p_{6,62} + 5p_{6,1}\\ &+ 6p_{6,33} + p_{6,17} + 5p_{6,49} + 5p_{5,9} + 2p_{6,25} + 6p_{6,57} + 10p_{6,5} + 4p_{6,37}\\ &+ 3p_{6,21} + 6p_{6,53} + 6p_{6,13} + 3p_{6,45} + 7p_{6,29} + 8p_{6,61} + p_{6,3} + 2p_{6,35}\\ &+ 3p_{6,19} + 5p_{6,51} + 4p_{6,11} + 3p_{6,43} + 4p_{6,27} + 5p_{6,59} + 3p_{6,7} + 4p_{6,39}\\ &+ 6p_{5,23} + 2p_{6,15} + 5p_{6,47} + 4p_{6,31} + 5p_{6,63})\end{aligned}}$$

$$p_{7,28} = \frac{1}{2}p_{6,28} + \frac{1}{2}\sqrt{\begin{aligned}&p_{6,28}^2 - 4(p_{6,0} + 5p_{6,32} + 5p_{6,16} + 2p_{6,48} + 3p_{6,8} + p_{6,40}\\ &+ 3p_{6,24} + 4p_{6,56} + 3p_{6,4} + 2p_{6,36} + 2p_{6,20} + 3p_{6,52} + 7p_{6,12} + 6p_{6,44}\\ &+ p_{6,60} + 7p_{6,2} + 2p_{6,34} + 8p_{6,18} + 5p_{6,50} + 3p_{5,10} + 8p_{6,26} + p_{6,58}\\ &+ 4p_{6,6} + 5p_{6,38} + 3p_{5,22} + 4p_{6,14} + 3p_{6,46} + 2p_{6,30} + 3p_{6,62} + p_{6,1}\\ &+ 5p_{6,33} + 6p_{6,17} + 5p_{6,49} + 2p_{6,9} + 6p_{6,41} + 5p_{5,25} + 3p_{6,5} + 6p_{6,37}\\ &+ 4p_{6,21} + 10p_{6,53} + 7p_{6,13} + 8p_{6,45} + 3p_{6,29} + 6p_{6,61} + 3p_{6,3} + 5p_{6,35}\\ &+ 2p_{6,19} + p_{6,51} + 4p_{6,11} + 5p_{6,43} + 3p_{6,27} + 4p_{6,59} + 6p_{5,7} + 4p_{6,23}\\ &+ 3p_{6,55} + 4p_{6,15} + 5p_{6,47} + 5p_{6,31} + 2p_{6,63})\end{aligned}}$$

$$p_{7,92} = \frac{1}{2}p_{6,28} - \frac{1}{2}\sqrt{\begin{aligned}&p_{6,28}^2 - 4(p_{6,0} + 5p_{6,32} + 5p_{6,16} + 2p_{6,48} + 3p_{6,8} + p_{6,40}\\ &+ 3p_{6,24} + 4p_{6,56} + 3p_{6,4} + 2p_{6,36} + 2p_{6,20} + 3p_{6,52} + 7p_{6,12} + 6p_{6,44}\\ &+ p_{6,60} + 7p_{6,2} + 2p_{6,34} + 8p_{6,18} + 5p_{6,50} + 3p_{5,10} + 8p_{6,26} + p_{6,58}\\ &+ 4p_{6,6} + 5p_{6,38} + 3p_{5,22} + 4p_{6,14} + 3p_{6,46} + 2p_{6,30} + 3p_{6,62} + p_{6,1}\\ &+ 5p_{6,33} + 6p_{6,17} + 5p_{6,49} + 2p_{6,9} + 6p_{6,41} + 5p_{5,25} + 3p_{6,5} + 6p_{6,37}\\ &+ 4p_{6,21} + 10p_{6,53} + 7p_{6,13} + 8p_{6,45} + 3p_{6,29} + 6p_{6,61} + 3p_{6,3} + 5p_{6,35}\\ &+ 2p_{6,19} + p_{6,51} + 4p_{6,11} + 5p_{6,43} + 3p_{6,27} + 4p_{6,59} + 6p_{5,7} + 4p_{6,23}\\ &+ 3p_{6,55} + 4p_{6,15} + 5p_{6,47} + 5p_{6,31} + 2p_{6,63})\end{aligned}}$$

$$p_{7,60} = \frac{1}{2}p_{6,60} - \frac{1}{2}\sqrt{\begin{aligned}&p_{6,60}^2 - 4(5p_{6,0} + p_{6,32} + 2p_{6,16} + 5p_{6,48} + p_{6,8} + 3p_{6,40}\\ &+ 4p_{6,24} + 3p_{6,56} + 2p_{6,4} + 3p_{6,36} + 3p_{6,20} + 2p_{6,52} + 6p_{6,12} + 7p_{6,44}\\ &+ p_{6,28} + 2p_{6,2} + 7p_{6,34} + 5p_{6,18} + 8p_{6,50} + 3p_{5,10} + p_{6,26} + 8p_{6,58}\\ &+ 5p_{6,6} + 4p_{6,38} + 3p_{5,22} + 3p_{6,14} + 4p_{6,46} + 3p_{6,30} + 2p_{6,62} + 5p_{6,1}\\ &+ p_{6,33} + 5p_{6,17} + 6p_{6,49} + 6p_{6,9} + 2p_{6,41} + 5p_{5,25} + 6p_{6,5} + 3p_{6,37}\\ &+ 10p_{6,21} + 4p_{6,53} + 8p_{6,13} + 7p_{6,45} + 6p_{6,29} + 3p_{6,61} + 5p_{6,3} + 3p_{6,35}\\ &+ p_{6,19} + 2p_{6,51} + 5p_{6,11} + 4p_{6,43} + 4p_{6,27} + 3p_{6,59} + 6p_{5,7} + 3p_{6,23}\\ &+ 4p_{6,55} + 5p_{6,15} + 4p_{6,47} + 2p_{6,31} + 5p_{6,63})\end{aligned}}$$

$$p_{7,124} = \frac{1}{2}p_{6,60} + \frac{1}{2}\sqrt{\begin{aligned}&p_{6,60}^2 - 4(5p_{6,0} + p_{6,32} + 2p_{6,16} + 5p_{6,48} + p_{6,8} + 3p_{6,40}\\ &+ 4p_{6,24} + 3p_{6,56} + 2p_{6,4} + 3p_{6,36} + 3p_{6,20} + 2p_{6,52} + 6p_{6,12} + 7p_{6,44}\\ &+ p_{6,28} + 2p_{6,2} + 7p_{6,34} + 5p_{6,18} + 8p_{6,50} + 3p_{5,10} + p_{6,26} + 8p_{6,58}\\ &+ 5p_{6,6} + 4p_{6,38} + 3p_{5,22} + 3p_{6,14} + 4p_{6,46} + 3p_{6,30} + 2p_{6,62} + 5p_{6,1}\\ &+ p_{6,33} + 5p_{6,17} + 6p_{6,49} + 6p_{6,9} + 2p_{6,41} + 5p_{5,25} + 6p_{6,5} + 3p_{6,37}\\ &+ 10p_{6,21} + 4p_{6,53} + 8p_{6,13} + 7p_{6,45} + 6p_{6,29} + 3p_{6,61} + 5p_{6,3} + 3p_{6,35}\\ &+ p_{6,19} + 2p_{6,51} + 5p_{6,11} + 4p_{6,43} + 4p_{6,27} + 3p_{6,59} + 6p_{5,7} + 3p_{6,23}\\ &+ 4p_{6,55} + 5p_{6,15} + 4p_{6,47} + 2p_{6,31} + 5p_{6,63})\end{aligned}}$$

$$p_{7,2} = \frac{1}{2}p_{6,2} + \frac{1}{2}\sqrt{\begin{aligned}&p_{6,2}^2 - 4(8p_{6,0} + p_{6,32} + 3p_{5,16} + 2p_{6,8} + 7p_{6,40} + 5p_{6,24}\\ &+ 8p_{6,56} + 2p_{6,4} + 3p_{6,36} + 3p_{6,20} + 4p_{6,52} + 5p_{6,12} + 4p_{6,44} + 3p_{5,28}\\ &+ p_{6,34} + 6p_{6,18} + 7p_{6,50} + 2p_{6,10} + 3p_{6,42} + 3p_{6,26} + 2p_{6,58} + 5p_{6,6}\\ &+ p_{6,38} + 2p_{6,22} + 5p_{6,54} + p_{6,14} + 3p_{6,46} + 4p_{6,30} + 3p_{6,62} + 3p_{6,1}\\ &+ 4p_{6,33} + 5p_{6,17} + 4p_{6,49} + 5p_{6,9} + 3p_{6,41} + p_{6,25} + 2p_{6,57} + 5p_{6,5}\\ &+ 2p_{6,37} + 5p_{6,21} + 4p_{6,53} + 6p_{5,13} + 3p_{6,29} + 4p_{6,61} + 3p_{6,3} + 6p_{6,35}\\ &+ 8p_{6,19} + 7p_{6,51} + 6p_{6,11} + 3p_{6,43} + 10p_{6,27} + 4p_{6,59} + 5p_{6,7} + p_{6,39}\\ &+ 5p_{6,23} + 6p_{6,55} + 6p_{6,15} + 2p_{6,47} + 5p_{5,31})\end{aligned}}$$

$$p_{7,66} = \frac{1}{2}p_{6,2} - \frac{1}{2}\sqrt{\begin{aligned}&p_{6,2}^2 - 4(8p_{6,0} + p_{6,32} + 3p_{5,16} + 2p_{6,8} + 7p_{6,40} + 5p_{6,24}\\ &+ 8p_{6,56} + 2p_{6,4} + 3p_{6,36} + 3p_{6,20} + 4p_{6,52} + 5p_{6,12} + 4p_{6,44} + 3p_{5,28}\\ &+ p_{6,34} + 6p_{6,18} + 7p_{6,50} + 2p_{6,10} + 3p_{6,42} + 3p_{6,26} + 2p_{6,58} + 5p_{6,6}\\ &+ p_{6,38} + 2p_{6,22} + 5p_{6,54} + p_{6,14} + 3p_{6,46} + 4p_{6,30} + 3p_{6,62} + 3p_{6,1}\\ &+ 4p_{6,33} + 5p_{6,17} + 4p_{6,49} + 5p_{6,9} + 3p_{6,41} + p_{6,25} + 2p_{6,57} + 5p_{6,5}\\ &+ 2p_{6,37} + 5p_{6,21} + 4p_{6,53} + 6p_{5,13} + 3p_{6,29} + 4p_{6,61} + 3p_{6,3} + 6p_{6,35}\\ &+ 8p_{6,19} + 7p_{6,51} + 6p_{6,11} + 3p_{6,43} + 10p_{6,27} + 4p_{6,59} + 5p_{6,7} + p_{6,39}\\ &+ 5p_{6,23} + 6p_{6,55} + 6p_{6,15} + 2p_{6,47} + 5p_{5,31})\end{aligned}}$$

$$p_{7,34} = \frac{1}{2}p_{6,34} - \frac{1}{2}\sqrt{\begin{aligned}&p_{6,34}^2 - 4(p_{6,0} + 8p_{6,32} + 3p_{5,16} + 7p_{6,8} + 2p_{6,40} + 8p_{6,24}\\ &+ 5p_{6,56} + 3p_{6,4} + 2p_{6,36} + 4p_{6,20} + 3p_{6,52} + 4p_{6,12} + 5p_{6,44} + 3p_{5,28}\\ &+ p_{6,2} + 7p_{6,18} + 6p_{6,50} + 3p_{6,10} + 2p_{6,42} + 2p_{6,26} + 3p_{6,58} + p_{6,6}\\ &+ 5p_{6,38} + 5p_{6,22} + 2p_{6,54} + 3p_{6,14} + p_{6,46} + 3p_{6,30} + 4p_{6,62} + 4p_{6,1}\\ &+ 3p_{6,33} + 4p_{6,17} + 5p_{6,49} + 3p_{6,9} + 5p_{6,41} + 2p_{6,25} + p_{6,57} + 2p_{6,5}\\ &+ 5p_{6,37} + 4p_{6,21} + 5p_{6,53} + 6p_{5,13} + 4p_{6,29} + 3p_{6,61} + 6p_{6,3} + 3p_{6,35}\\ &+ 7p_{6,19} + 8p_{6,51} + 3p_{6,11} + 6p_{6,43} + 4p_{6,27} + 10p_{6,59} + p_{6,7} + 5p_{6,39}\\ &+ 6p_{6,23} + 5p_{6,55} + 2p_{6,15} + 6p_{6,47} + 5p_{5,31})\end{aligned}}$$

$$p_{7,98} = \frac{1}{2}p_{6,34} + \frac{1}{2}\sqrt{\begin{aligned}&p_{6,34}^2 - 4(p_{6,0} + 8p_{6,32} + 3p_{5,16} + 7p_{6,8} + 2p_{6,40} + 8p_{6,24}\\&+ 5p_{6,56} + 3p_{6,4} + 2p_{6,36} + 4p_{6,20} + 3p_{6,52} + 4p_{6,12} + 5p_{6,44} + 3p_{5,28}\\&+ p_{6,2} + 7p_{6,18} + 6p_{6,50} + 3p_{6,10} + 2p_{6,42} + 2p_{6,26} + 3p_{6,58} + p_{6,6}\\&+ 5p_{6,38} + 5p_{6,22} + 2p_{6,54} + 3p_{6,14} + p_{6,46} + 3p_{6,30} + 4p_{6,62} + 4p_{6,1}\\&+ 3p_{6,33} + 4p_{6,17} + 5p_{6,49} + 3p_{6,9} + 5p_{6,41} + 2p_{6,25} + p_{6,57} + 2p_{6,5}\\&+ 5p_{6,37} + 4p_{6,21} + 5p_{6,53} + 6p_{5,13} + 4p_{6,29} + 3p_{6,61} + 6p_{6,3} + 3p_{6,35}\\&+ 7p_{6,19} + 8p_{6,51} + 3p_{6,11} + 6p_{6,43} + 4p_{6,27} + 10p_{6,59} + p_{6,7} + 5p_{6,39}\\&+ 6p_{6,23} + 5p_{6,55} + 2p_{6,15} + 6p_{6,47} + 5p_{5,31})\end{aligned}}$$

$$p_{7,18} = \frac{1}{2}p_{6,18} + \frac{1}{2}\sqrt{\begin{aligned}&p_{6,18}^2 - 4(3p_{5,0} + 8p_{6,16} + p_{6,48} + 8p_{6,8} + 5p_{6,40} + 2p_{6,24}\\&+ 7p_{6,56} + 4p_{6,4} + 3p_{6,36} + 2p_{6,20} + 3p_{6,52} + 3p_{5,12} + 5p_{6,28} + 4p_{6,60}\\&+ 7p_{6,2} + 6p_{6,34} + p_{6,50} + 2p_{6,10} + 3p_{6,42} + 2p_{6,26} + 3p_{6,58} + 5p_{6,6}\\&+ 2p_{6,38} + 5p_{6,22} + p_{6,54} + 3p_{6,14} + 4p_{6,46} + p_{6,30} + 3p_{6,62} + 4p_{6,1}\\&+ 5p_{6,33} + 3p_{6,17} + 4p_{6,49} + 2p_{6,9} + p_{6,41} + 5p_{6,25} + 3p_{6,57} + 4p_{6,5}\\&+ 5p_{6,37} + 5p_{6,21} + 2p_{6,53} + 4p_{6,13} + 3p_{6,45} + 6p_{5,29} + 7p_{6,3} + 8p_{6,35}\\&+ 3p_{6,19} + 6p_{6,51} + 4p_{6,11} + 10p_{6,43} + 6p_{6,27} + 3p_{6,59} + 6p_{6,7} + 5p_{6,39}\\&+ 5p_{6,23} + p_{6,55} + 5p_{5,15} + 6p_{6,31} + 2p_{6,63})\end{aligned}}$$

$$p_{7,82} = \frac{1}{2}p_{6,18} - \frac{1}{2}\sqrt{\begin{aligned}&p_{6,18}^2 - 4(3p_{5,0} + 8p_{6,16} + p_{6,48} + 8p_{6,8} + 5p_{6,40} + 2p_{6,24}\\&+ 7p_{6,56} + 4p_{6,4} + 3p_{6,36} + 2p_{6,20} + 3p_{6,52} + 3p_{5,12} + 5p_{6,28} + 4p_{6,60}\\&+ 7p_{6,2} + 6p_{6,34} + p_{6,50} + 2p_{6,10} + 3p_{6,42} + 2p_{6,26} + 3p_{6,58} + 5p_{6,6}\\&+ 2p_{6,38} + 5p_{6,22} + p_{6,54} + 3p_{6,14} + 4p_{6,46} + p_{6,30} + 3p_{6,62} + 4p_{6,1}\\&+ 5p_{6,33} + 3p_{6,17} + 4p_{6,49} + 2p_{6,9} + p_{6,41} + 5p_{6,25} + 3p_{6,57} + 4p_{6,5}\\&+ 5p_{6,37} + 5p_{6,21} + 2p_{6,53} + 4p_{6,13} + 3p_{6,45} + 6p_{5,29} + 7p_{6,3} + 8p_{6,35}\\&+ 3p_{6,19} + 6p_{6,51} + 4p_{6,11} + 10p_{6,43} + 6p_{6,27} + 3p_{6,59} + 6p_{6,7} + 5p_{6,39}\\&+ 5p_{6,23} + p_{6,55} + 5p_{5,15} + 6p_{6,31} + 2p_{6,63})\end{aligned}}$$

$$p_{7,50} = \frac{1}{2}p_{6,50} + \frac{1}{2}\sqrt{\begin{aligned}&p_{6,50}^2 - 4(3p_{5,0} + p_{6,16} + 8p_{6,48} + 5p_{6,8} + 8p_{6,40} + 7p_{6,24}\\&+ 2p_{6,56} + 3p_{6,4} + 4p_{6,36} + 3p_{6,20} + 2p_{6,52} + 3p_{5,12} + 4p_{6,28} + 5p_{6,60}\\&+ 6p_{6,2} + 7p_{6,34} + p_{6,18} + 3p_{6,10} + 2p_{6,42} + 3p_{6,26} + 2p_{6,58} + 2p_{6,6}\\&+ 5p_{6,38} + p_{6,22} + 5p_{6,54} + 4p_{6,14} + 3p_{6,46} + 3p_{6,30} + p_{6,62} + 5p_{6,1}\\&+ 4p_{6,33} + 4p_{6,17} + 3p_{6,49} + p_{6,9} + 2p_{6,41} + 3p_{6,25} + 5p_{6,57} + 5p_{6,5}\\&+ 4p_{6,37} + 2p_{6,21} + 5p_{6,53} + 3p_{6,13} + 4p_{6,45} + 6p_{5,29} + 8p_{6,3} + 7p_{6,35}\\&+ 6p_{6,19} + 3p_{6,51} + 10p_{6,11} + 4p_{6,43} + 3p_{6,27} + 6p_{6,59} + 5p_{6,7} + 6p_{6,39}\\&+ p_{6,23} + 5p_{6,55} + 5p_{5,15} + 2p_{6,31} + 6p_{6,63})\end{aligned}}$$

$$p_{7,114} = \frac{1}{2}p_{6,50} - \frac{1}{2}\sqrt{\begin{aligned}&p_{6,50}^2 - 4(3p_{5,0} + p_{6,16} + 8p_{6,48} + 5p_{6,8} + 8p_{6,40} + 7p_{6,24}\\&+ 2p_{6,56} + 3p_{6,4} + 4p_{6,36} + 3p_{6,20} + 2p_{6,52} + 3p_{5,12} + 4p_{6,28} + 5p_{6,60}\\&+ 6p_{6,2} + 7p_{6,34} + p_{6,18} + 3p_{6,10} + 2p_{6,42} + 3p_{6,26} + 2p_{6,58} + 2p_{6,6}\\&+ 5p_{6,38} + p_{6,22} + 5p_{6,54} + 4p_{6,14} + 3p_{6,46} + 3p_{6,30} + p_{6,62} + 5p_{6,1}\\&+ 4p_{6,33} + 4p_{6,17} + 3p_{6,49} + p_{6,9} + 2p_{6,41} + 3p_{6,25} + 5p_{6,57} + 5p_{6,5}\\&+ 4p_{6,37} + 2p_{6,21} + 5p_{6,53} + 3p_{6,13} + 4p_{6,45} + 6p_{5,29} + 8p_{6,3} + 7p_{6,35}\\&+ 6p_{6,19} + 3p_{6,51} + 10p_{6,11} + 4p_{6,43} + 3p_{6,27} + 6p_{6,59} + 5p_{6,7} + 6p_{6,39}\\&+ p_{6,23} + 5p_{6,55} + 5p_{5,15} + 2p_{6,31} + 6p_{6,63})\end{aligned}}$$

$$p_{7,10} = \frac{1}{2}p_{6,10} - \frac{1}{2}\sqrt{\begin{aligned}&p_{6,10}^2 - 4(8p_{6,0} + 5p_{6,32} + 2p_{6,16} + 7p_{6,48} + 8p_{6,8} + p_{6,40}\\&+ 3p_{5,24} + 3p_{5,4} + 5p_{6,20} + 4p_{6,52} + 2p_{6,12} + 3p_{6,44} + 3p_{6,28} + 4p_{6,60}\\&+ 2p_{6,2} + 3p_{6,34} + 2p_{6,18} + 3p_{6,50} + p_{6,42} + 6p_{6,26} + 7p_{6,58} + 3p_{6,6}\\&+ 4p_{6,38} + p_{6,22} + 3p_{6,54} + 5p_{6,14} + p_{6,46} + 2p_{6,30} + 5p_{6,62} + 2p_{6,1}\\&+ p_{6,33} + 5p_{6,17} + 3p_{6,49} + 3p_{6,9} + 4p_{6,41} + 5p_{6,25} + 4p_{6,57} + 4p_{6,5}\\&+ 3p_{6,37} + 6p_{5,21} + 5p_{6,13} + 2p_{6,45} + 5p_{6,29} + 4p_{6,61} + 4p_{6,3} + 10p_{6,35}\\&+ 6p_{6,19} + 3p_{6,51} + 3p_{6,11} + 6p_{6,43} + 8p_{6,27} + 7p_{6,59} + 5p_{5,7} + 6p_{6,23}\\&+ 2p_{6,55} + 5p_{6,15} + p_{6,47} + 5p_{6,31} + 6p_{6,63})\end{aligned}}$$

$$p_{7,74} = \frac{1}{2}p_{6,10} + \frac{1}{2}\sqrt{\begin{aligned}&p_{6,10}^2 - 4(8p_{6,0} + 5p_{6,32} + 2p_{6,16} + 7p_{6,48} + 8p_{6,8} + p_{6,40}\\&+ 3p_{5,24} + 3p_{5,4} + 5p_{6,20} + 4p_{6,52} + 2p_{6,12} + 3p_{6,44} + 3p_{6,28} + 4p_{6,60}\\&+ 2p_{6,2} + 3p_{6,34} + 2p_{6,18} + 3p_{6,50} + p_{6,42} + 6p_{6,26} + 7p_{6,58} + 3p_{6,6}\\&+ 4p_{6,38} + p_{6,22} + 3p_{6,54} + 5p_{6,14} + p_{6,46} + 2p_{6,30} + 5p_{6,62} + 2p_{6,1}\\&+ p_{6,33} + 5p_{6,17} + 3p_{6,49} + 3p_{6,9} + 4p_{6,41} + 5p_{6,25} + 4p_{6,57} + 4p_{6,5}\\&+ 3p_{6,37} + 6p_{5,21} + 5p_{6,13} + 2p_{6,45} + 5p_{6,29} + 4p_{6,61} + 4p_{6,3} + 10p_{6,35}\\&+ 6p_{6,19} + 3p_{6,51} + 3p_{6,11} + 6p_{6,43} + 8p_{6,27} + 7p_{6,59} + 5p_{5,7} + 6p_{6,23}\\&+ 2p_{6,55} + 5p_{6,15} + p_{6,47} + 5p_{6,31} + 6p_{6,63})\end{aligned}}$$

$$p_{7,42} = \frac{1}{2}p_{6,42} - \frac{1}{2}\sqrt{\begin{aligned}&p_{6,42}^2 - 4(5p_{6,0} + 8p_{6,32} + 7p_{6,16} + 2p_{6,48} + p_{6,8} + 8p_{6,40}\\&+ 3p_{5,24} + 3p_{5,4} + 4p_{6,20} + 5p_{6,52} + 3p_{6,12} + 2p_{6,44} + 4p_{6,28} + 3p_{6,60}\\&+ 3p_{6,2} + 2p_{6,34} + 3p_{6,18} + 2p_{6,50} + p_{6,10} + 7p_{6,26} + 6p_{6,58} + 4p_{6,6}\\&+ 3p_{6,38} + 3p_{6,22} + p_{6,54} + p_{6,14} + 5p_{6,46} + 5p_{6,30} + 2p_{6,62} + p_{6,1}\\&+ 2p_{6,33} + 3p_{6,17} + 5p_{6,49} + 4p_{6,9} + 3p_{6,41} + 4p_{6,25} + 5p_{6,57} + 3p_{6,5}\\&+ 4p_{6,37} + 6p_{5,21} + 2p_{6,13} + 5p_{6,45} + 4p_{6,29} + 5p_{6,61} + 10p_{6,3} + 4p_{6,35}\\&+ 3p_{6,19} + 6p_{6,51} + 6p_{6,11} + 3p_{6,43} + 7p_{6,27} + 8p_{6,59} + 5p_{5,7} + 2p_{6,23}\\&+ 6p_{6,55} + p_{6,15} + 5p_{6,47} + 6p_{6,31} + 5p_{6,63})\end{aligned}}$$

$$p_{7,106} = \frac{1}{2}p_{6,42} + \frac{1}{2}\sqrt{\begin{aligned}&p_{6,42}^2 - 4(5p_{6,0} + 8p_{6,32} + 7p_{6,16} + 2p_{6,48} + p_{6,8} + 8p_{6,40}\\&+ 3p_{5,24} + 3p_{5,4} + 4p_{6,20} + 5p_{6,52} + 3p_{6,12} + 2p_{6,44} + 4p_{6,28} + 3p_{6,60}\\&+ 3p_{6,2} + 2p_{6,34} + 3p_{6,18} + 2p_{6,50} + p_{6,10} + 7p_{6,26} + 6p_{6,58} + 4p_{6,6}\\&+ 3p_{6,38} + 3p_{6,22} + p_{6,54} + p_{6,14} + 5p_{6,46} + 5p_{6,30} + 2p_{6,62} + p_{6,1}\\&+ 2p_{6,33} + 3p_{6,17} + 5p_{6,49} + 4p_{6,9} + 3p_{6,41} + 4p_{6,25} + 5p_{6,57} + 3p_{6,5}\\&+ 4p_{6,37} + 6p_{5,21} + 2p_{6,13} + 5p_{6,45} + 4p_{6,29} + 5p_{6,61} + 10p_{6,3} + 4p_{6,35}\\&+ 3p_{6,19} + 6p_{6,51} + 6p_{6,11} + 3p_{6,43} + 7p_{6,27} + 8p_{6,59} + 5p_{5,7} + 2p_{6,23}\\&+ 6p_{6,55} + p_{6,15} + 5p_{6,47} + 6p_{6,31} + 5p_{6,63})\end{aligned}}$$

$$p_{7,26} = \frac{1}{2}p_{6,26} + \frac{1}{2}\sqrt{\begin{aligned}&p_{6,26}^2 - 4(7p_{6,0} + 2p_{6,32} + 8p_{6,16} + 5p_{6,48} + 3p_{5,8} + 8p_{6,24}\\&+ p_{6,56} + 4p_{6,4} + 5p_{6,36} + 3p_{5,20} + 4p_{6,12} + 3p_{6,44} + 2p_{6,28} + 3p_{6,60}\\&+ 3p_{6,2} + 2p_{6,34} + 2p_{6,18} + 3p_{6,50} + 7p_{6,10} + 6p_{6,42} + p_{6,58} + 3p_{6,6}\\&+ p_{6,38} + 3p_{6,22} + 4p_{6,54} + 5p_{6,14} + 2p_{6,46} + 5p_{6,30} + p_{6,62} + 3p_{6,1}\\&+ 5p_{6,33} + 2p_{6,17} + p_{6,49} + 4p_{6,9} + 5p_{6,41} + 3p_{6,25} + 4p_{6,57} + 6p_{5,5}\\&+ 4p_{6,21} + 3p_{6,53} + 4p_{6,13} + 5p_{6,45} + 5p_{6,29} + 2p_{6,61} + 3p_{6,3} + 6p_{6,35}\\&+ 4p_{6,19} + 10p_{6,51} + 7p_{6,11} + 8p_{6,43} + 3p_{6,27} + 6p_{6,59} + 2p_{6,7} + 6p_{6,39}\\&+ 5p_{5,23} + 6p_{6,15} + 5p_{6,47} + 5p_{6,31} + p_{6,63})\end{aligned}}$$

$$p_{7,90} = \frac{1}{2}p_{6,26} - \frac{1}{2}\sqrt{\begin{aligned}&p_{6,26}^2 - 4(7p_{6,0} + 2p_{6,32} + 8p_{6,16} + 5p_{6,48} + 3p_{5,8} + 8p_{6,24}\\&+ p_{6,56} + 4p_{6,4} + 5p_{6,36} + 3p_{5,20} + 4p_{6,12} + 3p_{6,44} + 2p_{6,28} + 3p_{6,60}\\&+ 3p_{6,2} + 2p_{6,34} + 2p_{6,18} + 3p_{6,50} + 7p_{6,10} + 6p_{6,42} + p_{6,58} + 3p_{6,6}\\&+ p_{6,38} + 3p_{6,22} + 4p_{6,54} + 5p_{6,14} + 2p_{6,46} + 5p_{6,30} + p_{6,62} + 3p_{6,1}\\&+ 5p_{6,33} + 2p_{6,17} + p_{6,49} + 4p_{6,9} + 5p_{6,41} + 3p_{6,25} + 4p_{6,57} + 6p_{5,5}\\&+ 4p_{6,21} + 3p_{6,53} + 4p_{6,13} + 5p_{6,45} + 5p_{6,29} + 2p_{6,61} + 3p_{6,3} + 6p_{6,35}\\&+ 4p_{6,19} + 10p_{6,51} + 7p_{6,11} + 8p_{6,43} + 3p_{6,27} + 6p_{6,59} + 2p_{6,7} + 6p_{6,39}\\&+ 5p_{5,23} + 6p_{6,15} + 5p_{6,47} + 5p_{6,31} + p_{6,63})\end{aligned}}$$

$$p_{7,58} = \frac{1}{2}p_{6,58} + \frac{1}{2}\sqrt{\begin{aligned}&p_{6,58}^2 - 4(2p_{6,0} + 7p_{6,32} + 5p_{6,16} + 8p_{6,48} + 3p_{5,8} + p_{6,24}\\&+ 8p_{6,56} + 5p_{6,4} + 4p_{6,36} + 3p_{5,20} + 3p_{6,12} + 4p_{6,44} + 3p_{6,28} + 2p_{6,60}\\&+ 2p_{6,2} + 3p_{6,34} + 3p_{6,18} + 2p_{6,50} + 6p_{6,10} + 7p_{6,42} + p_{6,26} + p_{6,6}\\&+ 3p_{6,38} + 4p_{6,22} + 3p_{6,54} + 2p_{6,14} + 5p_{6,46} + p_{6,30} + 5p_{6,62} + 5p_{6,1}\\&+ 3p_{6,33} + p_{6,17} + 2p_{6,49} + 5p_{6,9} + 4p_{6,41} + 4p_{6,25} + 3p_{6,57} + 6p_{5,5}\\&+ 3p_{6,21} + 4p_{6,53} + 5p_{6,13} + 4p_{6,45} + 2p_{6,29} + 5p_{6,61} + 6p_{6,3} + 3p_{6,35}\\&+ 10p_{6,19} + 4p_{6,51} + 8p_{6,11} + 7p_{6,43} + 6p_{6,27} + 3p_{6,59} + 6p_{6,7} + 2p_{6,39}\\&+ 5p_{5,23} + 5p_{6,15} + 6p_{6,47} + p_{6,31} + 5p_{6,63})\end{aligned}}$$

$$p_{7,122} = \frac{1}{2}p_{6,58} - \frac{1}{2}\sqrt{\begin{aligned}&p_{6,58}^2 - 4(2p_{6,0} + 7p_{6,32} + 5p_{6,16} + 8p_{6,48} + 3p_{5,8} + p_{6,24}\\ &+ 8p_{6,56} + 5p_{6,4} + 4p_{6,36} + 3p_{5,20} + 3p_{6,12} + 4p_{6,44} + 3p_{6,28} + 2p_{6,60}\\ &+ 2p_{6,2} + 3p_{6,34} + 3p_{6,18} + 2p_{6,50} + 6p_{6,10} + 7p_{6,42} + p_{6,26} + p_{6,6}\\ &+ 3p_{6,38} + 4p_{6,22} + 3p_{6,54} + 2p_{6,14} + 5p_{6,46} + p_{6,30} + 5p_{6,62} + 5p_{6,1}\\ &+ 3p_{6,33} + p_{6,17} + 2p_{6,49} + 5p_{6,9} + 4p_{6,41} + 4p_{6,25} + 3p_{6,57} + 6p_{5,5}\\ &+ 3p_{6,21} + 4p_{6,53} + 5p_{6,13} + 4p_{6,45} + 2p_{6,29} + 5p_{6,61} + 6p_{6,3} + 3p_{6,35}\\ &+ 10p_{6,19} + 4p_{6,51} + 8p_{6,11} + 7p_{6,43} + 6p_{6,27} + 3p_{6,59} + 6p_{6,7} + 2p_{6,39}\\ &+ 5p_{5,23} + 5p_{6,15} + 6p_{6,47} + p_{6,31} + 5p_{6,63})\end{aligned}}$$

$$p_{7,6} = \frac{1}{2}p_{6,6} - \frac{1}{2}\sqrt{\begin{aligned}&p_{6,6}^2 - 4(3p_{5,0} + 5p_{6,16} + 4p_{6,48} + 2p_{6,8} + 3p_{6,40} + 3p_{6,24}\\ &+ 4p_{6,56} + 8p_{6,4} + p_{6,36} + 3p_{5,20} + 2p_{6,12} + 7p_{6,44} + 5p_{6,28} + 8p_{6,60}\\ &+ 3p_{6,2} + 4p_{6,34} + p_{6,18} + 3p_{6,50} + 5p_{6,10} + p_{6,42} + 2p_{6,26} + 5p_{6,58}\\ &+ p_{6,38} + 6p_{6,22} + 7p_{6,54} + 2p_{6,14} + 3p_{6,46} + 3p_{6,30} + 2p_{6,62} + 4p_{6,1}\\ &+ 3p_{6,33} + 6p_{5,17} + 5p_{6,9} + 2p_{6,41} + 5p_{6,25} + 4p_{6,57} + 3p_{6,5} + 4p_{6,37}\\ &+ 5p_{6,21} + 4p_{6,53} + 5p_{6,13} + 3p_{6,45} + p_{6,29} + 2p_{6,61} + 5p_{5,3} + 6p_{6,19}\\ &+ 2p_{6,51} + 5p_{6,11} + p_{6,43} + 5p_{6,27} + 6p_{6,59} + 3p_{6,7} + 6p_{6,39} + 8p_{6,23}\\ &+ 7p_{6,55} + 6p_{6,15} + 3p_{6,47} + 10p_{6,31} + 4p_{6,63})\end{aligned}}$$

$$p_{7,70} = \frac{1}{2}p_{6,6} + \frac{1}{2}\sqrt{\begin{aligned}&p_{6,6}^2 - 4(3p_{5,0} + 5p_{6,16} + 4p_{6,48} + 2p_{6,8} + 3p_{6,40} + 3p_{6,24}\\ &+ 4p_{6,56} + 8p_{6,4} + p_{6,36} + 3p_{5,20} + 2p_{6,12} + 7p_{6,44} + 5p_{6,28} + 8p_{6,60}\\ &+ 3p_{6,2} + 4p_{6,34} + p_{6,18} + 3p_{6,50} + 5p_{6,10} + p_{6,42} + 2p_{6,26} + 5p_{6,58}\\ &+ p_{6,38} + 6p_{6,22} + 7p_{6,54} + 2p_{6,14} + 3p_{6,46} + 3p_{6,30} + 2p_{6,62} + 4p_{6,1}\\ &+ 3p_{6,33} + 6p_{5,17} + 5p_{6,9} + 2p_{6,41} + 5p_{6,25} + 4p_{6,57} + 3p_{6,5} + 4p_{6,37}\\ &+ 5p_{6,21} + 4p_{6,53} + 5p_{6,13} + 3p_{6,45} + p_{6,29} + 2p_{6,61} + 5p_{5,3} + 6p_{6,19}\\ &+ 2p_{6,51} + 5p_{6,11} + p_{6,43} + 5p_{6,27} + 6p_{6,59} + 3p_{6,7} + 6p_{6,39} + 8p_{6,23}\\ &+ 7p_{6,55} + 6p_{6,15} + 3p_{6,47} + 10p_{6,31} + 4p_{6,63})\end{aligned}}$$

$$p_{7,38} = \frac{1}{2}p_{6,38} + \frac{1}{2}\sqrt{\begin{aligned}&p_{6,38}^2 - 4(3p_{5,0} + 4p_{6,16} + 5p_{6,48} + 3p_{6,8} + 2p_{6,40} + 4p_{6,24}\\ &+ 3p_{6,56} + p_{6,4} + 8p_{6,36} + 3p_{5,20} + 7p_{6,12} + 2p_{6,44} + 8p_{6,28} + 5p_{6,60}\\ &+ 4p_{6,2} + 3p_{6,34} + 3p_{6,18} + p_{6,50} + p_{6,10} + 5p_{6,42} + 5p_{6,26} + 2p_{6,58}\\ &+ p_{6,6} + 7p_{6,22} + 6p_{6,54} + 3p_{6,14} + 2p_{6,46} + 2p_{6,30} + 3p_{6,62} + 3p_{6,1}\\ &+ 4p_{6,33} + 6p_{5,17} + 2p_{6,9} + 5p_{6,41} + 4p_{6,25} + 5p_{6,57} + 4p_{6,5} + 3p_{6,37}\\ &+ 4p_{6,21} + 5p_{6,53} + 3p_{6,13} + 5p_{6,45} + 2p_{6,29} + p_{6,61} + 5p_{5,3} + 2p_{6,19}\\ &+ 6p_{6,51} + p_{6,11} + 5p_{6,43} + 6p_{6,27} + 5p_{6,59} + 6p_{6,7} + 3p_{6,39} + 7p_{6,23}\\ &+ 8p_{6,55} + 3p_{6,15} + 6p_{6,47} + 4p_{6,31} + 10p_{6,63})\end{aligned}}$$

$$p_{7,102} = \frac{1}{2}p_{6,38} - \frac{1}{2}\sqrt{\begin{aligned}&p_{6,38}^2 - 4(3p_{5,0} + 4p_{6,16} + 5p_{6,48} + 3p_{6,8} + 2p_{6,40} + 4p_{6,24}\\ &+ 3p_{6,56} + p_{6,4} + 8p_{6,36} + 3p_{5,20} + 7p_{6,12} + 2p_{6,44} + 8p_{6,28} + 5p_{6,60}\\ &+ 4p_{6,2} + 3p_{6,34} + 3p_{6,18} + p_{6,50} + p_{6,10} + 5p_{6,42} + 5p_{6,26} + 2p_{6,58}\\ &+ p_{6,6} + 7p_{6,22} + 6p_{6,54} + 3p_{6,14} + 2p_{6,46} + 2p_{6,30} + 3p_{6,62} + 3p_{6,1}\\ &+ 4p_{6,33} + 6p_{5,17} + 2p_{6,9} + 5p_{6,41} + 4p_{6,25} + 5p_{6,57} + 4p_{6,5} + 3p_{6,37}\\ &+ 4p_{6,21} + 5p_{6,53} + 3p_{6,13} + 5p_{6,45} + 2p_{6,29} + p_{6,61} + 5p_{5,3} + 2p_{6,19}\\ &+ 6p_{6,51} + p_{6,11} + 5p_{6,43} + 6p_{6,27} + 5p_{6,59} + 6p_{6,7} + 3p_{6,39} + 7p_{6,23}\\ &+ 8p_{6,55} + 3p_{6,15} + 6p_{6,47} + 4p_{6,31} + 10p_{6,63})\end{aligned}}$$

$$p_{7,22} = \frac{1}{2}p_{6,22} - \frac{1}{2}\sqrt{\begin{aligned}&p_{6,22}^2 - 4(4p_{6,0} + 5p_{6,32} + 3p_{5,16} + 4p_{6,8} + 3p_{6,40} + 2p_{6,24}\\ &+ 3p_{6,56} + 3p_{5,4} + 8p_{6,20} + p_{6,52} + 8p_{6,12} + 5p_{6,44} + 2p_{6,28} + 7p_{6,60}\\ &+ 3p_{6,2} + p_{6,34} + 3p_{6,18} + 4p_{6,50} + 5p_{6,10} + 2p_{6,42} + 5p_{6,26} + p_{6,58}\\ &+ 7p_{6,6} + 6p_{6,38} + p_{6,54} + 2p_{6,14} + 3p_{6,46} + 2p_{6,30} + 3p_{6,62} + 6p_{5,1}\\ &+ 4p_{6,17} + 3p_{6,49} + 4p_{6,9} + 5p_{6,41} + 5p_{6,25} + 2p_{6,57} + 4p_{6,5} + 5p_{6,37}\\ &+ 3p_{6,21} + 4p_{6,53} + 2p_{6,13} + p_{6,45} + 5p_{6,29} + 3p_{6,61} + 2p_{6,3} + 6p_{6,35}\\ &+ 5p_{5,19} + 6p_{6,11} + 5p_{6,43} + 5p_{6,27} + p_{6,59} + 7p_{6,7} + 8p_{6,39} + 3p_{6,23}\\ &+ 6p_{6,55} + 4p_{6,15} + 10p_{6,47} + 6p_{6,31} + 3p_{6,63})\end{aligned}}$$

$$p_{7,86} = \frac{1}{2}p_{6,22} + \frac{1}{2}\sqrt{\begin{aligned}&p_{6,22}^2 - 4(4p_{6,0} + 5p_{6,32} + 3p_{5,16} + 4p_{6,8} + 3p_{6,40} + 2p_{6,24}\\ &+ 3p_{6,56} + 3p_{5,4} + 8p_{6,20} + p_{6,52} + 8p_{6,12} + 5p_{6,44} + 2p_{6,28} + 7p_{6,60}\\ &+ 3p_{6,2} + p_{6,34} + 3p_{6,18} + 4p_{6,50} + 5p_{6,10} + 2p_{6,42} + 5p_{6,26} + p_{6,58}\\ &+ 7p_{6,6} + 6p_{6,38} + p_{6,54} + 2p_{6,14} + 3p_{6,46} + 2p_{6,30} + 3p_{6,62} + 6p_{5,1}\\ &+ 4p_{6,17} + 3p_{6,49} + 4p_{6,9} + 5p_{6,41} + 5p_{6,25} + 2p_{6,57} + 4p_{6,5} + 5p_{6,37}\\ &+ 3p_{6,21} + 4p_{6,53} + 2p_{6,13} + p_{6,45} + 5p_{6,29} + 3p_{6,61} + 2p_{6,3} + 6p_{6,35}\\ &+ 5p_{5,19} + 6p_{6,11} + 5p_{6,43} + 5p_{6,27} + p_{6,59} + 7p_{6,7} + 8p_{6,39} + 3p_{6,23}\\ &+ 6p_{6,55} + 4p_{6,15} + 10p_{6,47} + 6p_{6,31} + 3p_{6,63})\end{aligned}}$$

$$p_{7,54} = \frac{1}{2}p_{6,54} - \frac{1}{2}\sqrt{\begin{aligned}&p_{6,54}^2 - 4(5p_{6,0} + 4p_{6,32} + 3p_{5,16} + 3p_{6,8} + 4p_{6,40} + 3p_{6,24}\\ &+ 2p_{6,56} + 3p_{5,4} + p_{6,20} + 8p_{6,52} + 5p_{6,12} + 8p_{6,44} + 7p_{6,28} + 2p_{6,60}\\ &+ p_{6,2} + 3p_{6,34} + 4p_{6,18} + 3p_{6,50} + 2p_{6,10} + 5p_{6,42} + p_{6,26} + 5p_{6,58}\\ &+ 6p_{6,6} + 7p_{6,38} + p_{6,22} + 3p_{6,14} + 2p_{6,46} + 3p_{6,30} + 2p_{6,62} + 6p_{5,1}\\ &+ 3p_{6,17} + 4p_{6,49} + 5p_{6,9} + 4p_{6,41} + 2p_{6,25} + 5p_{6,57} + 5p_{6,5} + 4p_{6,37}\\ &+ 4p_{6,21} + 3p_{6,53} + p_{6,13} + 2p_{6,45} + 3p_{6,29} + 5p_{6,61} + 6p_{6,3} + 2p_{6,35}\\ &+ 5p_{5,19} + 5p_{6,11} + 6p_{6,43} + p_{6,27} + 5p_{6,59} + 8p_{6,7} + 7p_{6,39} + 6p_{6,23}\\ &+ 3p_{6,55} + 10p_{6,15} + 4p_{6,47} + 3p_{6,31} + 6p_{6,63})\end{aligned}}$$

$$p_{7,118} = \frac{1}{2}p_{6,54} + \frac{1}{2}\sqrt{\begin{aligned}&p_{6,54}^2 - 4(5p_{6,0} + 4p_{6,32} + 3p_{5,16} + 3p_{6,8} + 4p_{6,40} + 3p_{6,24}\\ &+ 2p_{6,56} + 3p_{5,4} + p_{6,20} + 8p_{6,52} + 5p_{6,12} + 8p_{6,44} + 7p_{6,28} + 2p_{6,60}\\ &+ p_{6,2} + 3p_{6,34} + 4p_{6,18} + 3p_{6,50} + 2p_{6,10} + 5p_{6,42} + p_{6,26} + 5p_{6,58}\\ &+ 6p_{6,6} + 7p_{6,38} + p_{6,22} + 3p_{6,14} + 2p_{6,46} + 3p_{6,30} + 2p_{6,62} + 6p_{5,1}\\ &+ 3p_{6,17} + 4p_{6,49} + 5p_{6,9} + 4p_{6,41} + 2p_{6,25} + 5p_{6,57} + 5p_{6,5} + 4p_{6,37}\\ &+ 4p_{6,21} + 3p_{6,53} + p_{6,13} + 2p_{6,45} + 3p_{6,29} + 5p_{6,61} + 6p_{6,3} + 2p_{6,35}\\ &+ 5p_{5,19} + 5p_{6,11} + 6p_{6,43} + p_{6,27} + 5p_{6,59} + 8p_{6,7} + 7p_{6,39} + 6p_{6,23}\\ &+ 3p_{6,55} + 10p_{6,15} + 4p_{6,47} + 3p_{6,31} + 6p_{6,63})\end{aligned}}$$

$$p_{7,14} = \frac{1}{2}p_{6,14} - \frac{1}{2}\sqrt{\begin{aligned}&p_{6,14}^2 - 4(4p_{6,0} + 3p_{6,32} + 2p_{6,16} + 3p_{6,48} + 3p_{5,8} + 5p_{6,24}\\ &+ 4p_{6,56} + 8p_{6,4} + 5p_{6,36} + 2p_{6,20} + 7p_{6,52} + 8p_{6,12} + p_{6,44} + 3p_{5,28}\\ &+ 5p_{6,2} + 2p_{6,34} + 5p_{6,18} + p_{6,50} + 3p_{6,10} + 4p_{6,42} + p_{6,26} + 3p_{6,58}\\ &+ 2p_{6,6} + 3p_{6,38} + 2p_{6,22} + 3p_{6,54} + p_{6,46} + 6p_{6,30} + 7p_{6,62} + 4p_{6,1}\\ &+ 5p_{6,33} + 5p_{6,17} + 2p_{6,49} + 4p_{6,9} + 3p_{6,41} + 6p_{5,25} + 2p_{6,5} + p_{6,37}\\ &+ 5p_{6,21} + 3p_{6,53} + 3p_{6,13} + 4p_{6,45} + 5p_{6,29} + 4p_{6,61} + 6p_{6,3} + 5p_{6,35}\\ &+ 5p_{6,19} + p_{6,51} + 5p_{5,11} + 6p_{6,27} + 2p_{6,59} + 4p_{6,7} + 10p_{6,39} + 6p_{6,23}\\ &+ 3p_{6,55} + 3p_{6,15} + 6p_{6,47} + 8p_{6,31} + 7p_{6,63})\end{aligned}}$$

$$p_{7,78} = \frac{1}{2}p_{6,14} + \frac{1}{2}\sqrt{\begin{aligned}&p_{6,14}^2 - 4(4p_{6,0} + 3p_{6,32} + 2p_{6,16} + 3p_{6,48} + 3p_{5,8} + 5p_{6,24}\\ &+ 4p_{6,56} + 8p_{6,4} + 5p_{6,36} + 2p_{6,20} + 7p_{6,52} + 8p_{6,12} + p_{6,44} + 3p_{5,28}\\ &+ 5p_{6,2} + 2p_{6,34} + 5p_{6,18} + p_{6,50} + 3p_{6,10} + 4p_{6,42} + p_{6,26} + 3p_{6,58}\\ &+ 2p_{6,6} + 3p_{6,38} + 2p_{6,22} + 3p_{6,54} + p_{6,46} + 6p_{6,30} + 7p_{6,62} + 4p_{6,1}\\ &+ 5p_{6,33} + 5p_{6,17} + 2p_{6,49} + 4p_{6,9} + 3p_{6,41} + 6p_{5,25} + 2p_{6,5} + p_{6,37}\\ &+ 5p_{6,21} + 3p_{6,53} + 3p_{6,13} + 4p_{6,45} + 5p_{6,29} + 4p_{6,61} + 6p_{6,3} + 5p_{6,35}\\ &+ 5p_{6,19} + p_{6,51} + 5p_{5,11} + 6p_{6,27} + 2p_{6,59} + 4p_{6,7} + 10p_{6,39} + 6p_{6,23}\\ &+ 3p_{6,55} + 3p_{6,15} + 6p_{6,47} + 8p_{6,31} + 7p_{6,63})\end{aligned}}$$

$$p_{7,46} = \frac{1}{2}p_{6,46} - \frac{1}{2}\sqrt{\begin{aligned}&p_{6,46}^2 - 4(3p_{6,0} + 4p_{6,32} + 3p_{6,16} + 2p_{6,48} + 3p_{5,8} + 4p_{6,24}\\ &+ 5p_{6,56} + 5p_{6,4} + 8p_{6,36} + 7p_{6,20} + 2p_{6,52} + p_{6,12} + 8p_{6,44} + 3p_{5,28}\\ &+ 2p_{6,2} + 5p_{6,34} + p_{6,18} + 5p_{6,50} + 4p_{6,10} + 3p_{6,42} + 3p_{6,26} + p_{6,58}\\ &+ 3p_{6,6} + 2p_{6,38} + 3p_{6,22} + 2p_{6,54} + p_{6,14} + 7p_{6,30} + 6p_{6,62} + 5p_{6,1}\\ &+ 4p_{6,33} + 2p_{6,17} + 5p_{6,49} + 3p_{6,9} + 4p_{6,41} + 6p_{5,25} + p_{6,5} + 2p_{6,37}\\ &+ 3p_{6,21} + 5p_{6,53} + 4p_{6,13} + 3p_{6,45} + 4p_{6,29} + 5p_{6,61} + 5p_{6,3} + 6p_{6,35}\\ &+ p_{6,19} + 5p_{6,51} + 5p_{5,11} + 2p_{6,27} + 6p_{6,59} + 10p_{6,7} + 4p_{6,39} + 3p_{6,23}\\ &+ 6p_{6,55} + 6p_{6,15} + 3p_{6,47} + 7p_{6,31} + 8p_{6,63})\end{aligned}}$$

$$p_{7,110} = \frac{1}{2}p_{6,46} + \frac{1}{2}\sqrt{\begin{aligned}&p_{6,46}^2 - 4(3p_{6,0} + 4p_{6,32} + 3p_{6,16} + 2p_{6,48} + 3p_{5,8} + 4p_{6,24}\\&+ 5p_{6,56} + 5p_{6,4} + 8p_{6,36} + 7p_{6,20} + 2p_{6,52} + p_{6,12} + 8p_{6,44} + 3p_{5,28}\\&+ 2p_{6,2} + 5p_{6,34} + p_{6,18} + 5p_{6,50} + 4p_{6,10} + 3p_{6,42} + 3p_{6,26} + p_{6,58}\\&+ 3p_{6,6} + 2p_{6,38} + 3p_{6,22} + 2p_{6,54} + p_{6,14} + 7p_{6,30} + 6p_{6,62} + 5p_{6,1}\\&+ 4p_{6,33} + 2p_{6,17} + 5p_{6,49} + 3p_{6,9} + 4p_{6,41} + 6p_{5,25} + p_{6,5} + 2p_{6,37}\\&+ 3p_{6,21} + 5p_{6,53} + 4p_{6,13} + 3p_{6,45} + 4p_{6,29} + 5p_{6,61} + 5p_{6,3} + 6p_{6,35}\\&+ p_{6,19} + 5p_{6,51} + 5p_{5,11} + 2p_{6,27} + 6p_{6,59} + 10p_{6,7} + 4p_{6,39} + 3p_{6,23}\\&+ 6p_{6,55} + 6p_{6,15} + 3p_{6,47} + 7p_{6,31} + 8p_{6,63})\end{aligned}}$$

$$p_{7,30} = \frac{1}{2}p_{6,30} + \frac{1}{2}\sqrt{\begin{aligned}&p_{6,30}^2 - 4(3p_{6,0} + 2p_{6,32} + 4p_{6,16} + 3p_{6,48} + 4p_{6,8} + 5p_{6,40}\\&+ 3p_{5,24} + 7p_{6,4} + 2p_{6,36} + 8p_{6,20} + 5p_{6,52} + 3p_{5,12} + 8p_{6,28} + p_{6,60}\\&+ p_{6,2} + 5p_{6,34} + 5p_{6,18} + 2p_{6,50} + 3p_{6,10} + p_{6,42} + 3p_{6,26} + 4p_{6,58}\\&+ 3p_{6,6} + 2p_{6,38} + 2p_{6,22} + 3p_{6,54} + 7p_{6,14} + 6p_{6,46} + p_{6,62} + 2p_{6,1}\\&+ 5p_{6,33} + 4p_{6,17} + 5p_{6,49} + 6p_{5,9} + 4p_{6,25} + 3p_{6,57} + 3p_{6,5} + 5p_{6,37}\\&+ 2p_{6,21} + p_{6,53} + 4p_{6,13} + 5p_{6,45} + 3p_{6,29} + 4p_{6,61} + p_{6,3} + 5p_{6,35}\\&+ 6p_{6,19} + 5p_{6,51} + 2p_{6,11} + 6p_{6,43} + 5p_{5,27} + 3p_{6,7} + 6p_{6,39} + 4p_{6,23}\\&+ 10p_{6,55} + 7p_{6,15} + 8p_{6,47} + 3p_{6,31} + 6p_{6,63})\end{aligned}}$$

$$p_{7,94} = \frac{1}{2}p_{6,30} - \frac{1}{2}\sqrt{\begin{aligned}&p_{6,30}^2 - 4(3p_{6,0} + 2p_{6,32} + 4p_{6,16} + 3p_{6,48} + 4p_{6,8} + 5p_{6,40}\\&+ 3p_{5,24} + 7p_{6,4} + 2p_{6,36} + 8p_{6,20} + 5p_{6,52} + 3p_{5,12} + 8p_{6,28} + p_{6,60}\\&+ p_{6,2} + 5p_{6,34} + 5p_{6,18} + 2p_{6,50} + 3p_{6,10} + p_{6,42} + 3p_{6,26} + 4p_{6,58}\\&+ 3p_{6,6} + 2p_{6,38} + 2p_{6,22} + 3p_{6,54} + 7p_{6,14} + 6p_{6,46} + p_{6,62} + 2p_{6,1}\\&+ 5p_{6,33} + 4p_{6,17} + 5p_{6,49} + 6p_{5,9} + 4p_{6,25} + 3p_{6,57} + 3p_{6,5} + 5p_{6,37}\\&+ 2p_{6,21} + p_{6,53} + 4p_{6,13} + 5p_{6,45} + 3p_{6,29} + 4p_{6,61} + p_{6,3} + 5p_{6,35}\\&+ 6p_{6,19} + 5p_{6,51} + 2p_{6,11} + 6p_{6,43} + 5p_{5,27} + 3p_{6,7} + 6p_{6,39} + 4p_{6,23}\\&+ 10p_{6,55} + 7p_{6,15} + 8p_{6,47} + 3p_{6,31} + 6p_{6,63})\end{aligned}}$$

$$p_{7,62} = \frac{1}{2}p_{6,62} + \frac{1}{2}\sqrt{\begin{aligned}&p_{6,62}^2 - 4(2p_{6,0} + 3p_{6,32} + 3p_{6,16} + 4p_{6,48} + 5p_{6,8} + 4p_{6,40}\\&+ 3p_{5,24} + 2p_{6,4} + 7p_{6,36} + 5p_{6,20} + 8p_{6,52} + 3p_{5,12} + p_{6,28} + 8p_{6,60}\\&+ 5p_{6,2} + p_{6,34} + 2p_{6,18} + 5p_{6,50} + p_{6,10} + 3p_{6,42} + 4p_{6,26} + 3p_{6,58}\\&+ 2p_{6,6} + 3p_{6,38} + 3p_{6,22} + 2p_{6,54} + 6p_{6,14} + 7p_{6,46} + p_{6,30} + 5p_{6,1}\\&+ 2p_{6,33} + 5p_{6,17} + 4p_{6,49} + 6p_{5,9} + 3p_{6,25} + 4p_{6,57} + 5p_{6,5} + 3p_{6,37}\\&+ p_{6,21} + 2p_{6,53} + 5p_{6,13} + 4p_{6,45} + 4p_{6,29} + 3p_{6,61} + 5p_{6,3} + p_{6,35}\\&+ 5p_{6,19} + 6p_{6,51} + 6p_{6,11} + 2p_{6,43} + 5p_{5,27} + 6p_{6,7} + 3p_{6,39} + 10p_{6,23}\\&+ 4p_{6,55} + 8p_{6,15} + 7p_{6,47} + 6p_{6,31} + 3p_{6,63})\end{aligned}}$$

$$p_{7,126} = \frac{1}{2}p_{6,62} - \frac{1}{2}\sqrt{\begin{aligned}&p_{6,62}^2 - 4(2p_{6,0} + 3p_{6,32} + 3p_{6,16} + 4p_{6,48} + 5p_{6,8} + 4p_{6,40}\\ &+ 3p_{5,24} + 2p_{6,4} + 7p_{6,36} + 5p_{6,20} + 8p_{6,52} + 3p_{5,12} + p_{6,28} + 8p_{6,60}\\ &+ 5p_{6,2} + p_{6,34} + 2p_{6,18} + 5p_{6,50} + p_{6,10} + 3p_{6,42} + 4p_{6,26} + 3p_{6,58}\\ &+ 2p_{6,6} + 3p_{6,38} + 3p_{6,22} + 2p_{6,54} + 6p_{6,14} + 7p_{6,46} + p_{6,30} + 5p_{6,1}\\ &+ 2p_{6,33} + 5p_{6,17} + 4p_{6,49} + 6p_{5,9} + 3p_{6,25} + 4p_{6,57} + 5p_{6,5} + 3p_{6,37}\\ &+ p_{6,21} + 2p_{6,53} + 5p_{6,13} + 4p_{6,45} + 4p_{6,29} + 3p_{6,61} + 5p_{6,3} + p_{6,35}\\ &+ 5p_{6,19} + 6p_{6,51} + 6p_{6,11} + 2p_{6,43} + 5p_{5,27} + 6p_{6,7} + 3p_{6,39} + 10p_{6,23}\\ &+ 4p_{6,55} + 8p_{6,15} + 7p_{6,47} + 6p_{6,31} + 3p_{6,63})\end{aligned}}$$

$$p_{7,1} = \frac{1}{2}p_{6,1} + \frac{1}{2}\sqrt{\begin{aligned}&p_{6,1}^2 - 4(3p_{6,0} + 4p_{6,32} + 5p_{6,16} + 4p_{6,48} + 5p_{6,8} + 3p_{6,40}\\ &+ p_{6,24} + 2p_{6,56} + 5p_{6,4} + 2p_{6,36} + 5p_{6,20} + 4p_{6,52} + 6p_{5,12} + 3p_{6,28}\\ &+ 4p_{6,60} + 3p_{6,2} + 6p_{6,34} + 8p_{6,18} + 7p_{6,50} + 6p_{6,10} + 3p_{6,42} + 10p_{6,26}\\ &+ 4p_{6,58} + 5p_{6,6} + p_{6,38} + 5p_{6,22} + 6p_{6,54} + 6p_{6,14} + 2p_{6,46} + 5p_{5,30}\\ &+ p_{6,33} + 6p_{6,17} + 7p_{6,49} + 2p_{6,9} + 3p_{6,41} + 3p_{6,25} + 2p_{6,57} + 5p_{6,5}\\ &+ p_{6,37} + 2p_{6,21} + 5p_{6,53} + p_{6,13} + 3p_{6,45} + 4p_{6,29} + 3p_{6,61} + 2p_{6,3}\\ &+ 3p_{6,35} + 3p_{6,19} + 4p_{6,51} + 5p_{6,11} + 4p_{6,43} + 3p_{5,27} + 2p_{6,7} + 7p_{6,39}\\ &+ 5p_{6,23} + 8p_{6,55} + 3p_{5,15} + p_{6,31} + 8p_{6,63})\end{aligned}}$$

$$p_{7,65} = \frac{1}{2}p_{6,1} - \frac{1}{2}\sqrt{\begin{aligned}&p_{6,1}^2 - 4(3p_{6,0} + 4p_{6,32} + 5p_{6,16} + 4p_{6,48} + 5p_{6,8} + 3p_{6,40}\\ &+ p_{6,24} + 2p_{6,56} + 5p_{6,4} + 2p_{6,36} + 5p_{6,20} + 4p_{6,52} + 6p_{5,12} + 3p_{6,28}\\ &+ 4p_{6,60} + 3p_{6,2} + 6p_{6,34} + 8p_{6,18} + 7p_{6,50} + 6p_{6,10} + 3p_{6,42} + 10p_{6,26}\\ &+ 4p_{6,58} + 5p_{6,6} + p_{6,38} + 5p_{6,22} + 6p_{6,54} + 6p_{6,14} + 2p_{6,46} + 5p_{5,30}\\ &+ p_{6,33} + 6p_{6,17} + 7p_{6,49} + 2p_{6,9} + 3p_{6,41} + 3p_{6,25} + 2p_{6,57} + 5p_{6,5}\\ &+ p_{6,37} + 2p_{6,21} + 5p_{6,53} + p_{6,13} + 3p_{6,45} + 4p_{6,29} + 3p_{6,61} + 2p_{6,3}\\ &+ 3p_{6,35} + 3p_{6,19} + 4p_{6,51} + 5p_{6,11} + 4p_{6,43} + 3p_{5,27} + 2p_{6,7} + 7p_{6,39}\\ &+ 5p_{6,23} + 8p_{6,55} + 3p_{5,15} + p_{6,31} + 8p_{6,63})\end{aligned}}$$

$$p_{7,33} = \frac{1}{2}p_{6,33} + \frac{1}{2}\sqrt{\begin{aligned}&p_{6,33}^2 - 4(4p_{6,0} + 3p_{6,32} + 4p_{6,16} + 5p_{6,48} + 3p_{6,8} + 5p_{6,40}\\ &+ 2p_{6,24} + p_{6,56} + 2p_{6,4} + 5p_{6,36} + 4p_{6,20} + 5p_{6,52} + 6p_{5,12} + 4p_{6,28}\\ &+ 3p_{6,60} + 6p_{6,2} + 3p_{6,34} + 7p_{6,18} + 8p_{6,50} + 3p_{6,10} + 6p_{6,42} + 4p_{6,26}\\ &+ 10p_{6,58} + p_{6,6} + 5p_{6,38} + 6p_{6,22} + 5p_{6,54} + 2p_{6,14} + 6p_{6,46} + 5p_{5,30}\\ &+ p_{6,1} + 7p_{6,17} + 6p_{6,49} + 3p_{6,9} + 2p_{6,41} + 2p_{6,25} + 3p_{6,57} + p_{6,5}\\ &+ 5p_{6,37} + 5p_{6,21} + 2p_{6,53} + 3p_{6,13} + p_{6,45} + 3p_{6,29} + 4p_{6,61} + 3p_{6,3}\\ &+ 2p_{6,35} + 4p_{6,19} + 3p_{6,51} + 4p_{6,11} + 5p_{6,43} + 3p_{5,27} + 7p_{6,7} + 2p_{6,39}\\ &+ 8p_{6,23} + 5p_{6,55} + 3p_{5,15} + 8p_{6,31} + p_{6,63})\end{aligned}}$$

$$p_{7,97} = \frac{1}{2}p_{6,33} - \frac{1}{2}\sqrt{\begin{aligned}&p_{6,33}^2 - 4(4p_{6,0} + 3p_{6,32} + 4p_{6,16} + 5p_{6,48} + 3p_{6,8} + 5p_{6,40}\\ &+ 2p_{6,24} + p_{6,56} + 2p_{6,4} + 5p_{6,36} + 4p_{6,20} + 5p_{6,52} + 6p_{5,12} + 4p_{6,28}\\ &+ 3p_{6,60} + 6p_{6,2} + 3p_{6,34} + 7p_{6,18} + 8p_{6,50} + 3p_{6,10} + 6p_{6,42} + 4p_{6,26}\\ &+ 10p_{6,58} + p_{6,6} + 5p_{6,38} + 6p_{6,22} + 5p_{6,54} + 2p_{6,14} + 6p_{6,46} + 5p_{5,30}\\ &+ p_{6,1} + 7p_{6,17} + 6p_{6,49} + 3p_{6,9} + 2p_{6,41} + 2p_{6,25} + 3p_{6,57} + p_{6,5}\\ &+ 5p_{6,37} + 5p_{6,21} + 2p_{6,53} + 3p_{6,13} + p_{6,45} + 3p_{6,29} + 4p_{6,61} + 3p_{6,3}\\ &+ 2p_{6,35} + 4p_{6,19} + 3p_{6,51} + 4p_{6,11} + 5p_{6,43} + 3p_{5,27} + 7p_{6,7} + 2p_{6,39}\\ &+ 8p_{6,23} + 5p_{6,55} + 3p_{5,15} + 8p_{6,31} + p_{6,63})\end{aligned}}$$

$$p_{7,17} = \frac{1}{2}p_{6,17} + \frac{1}{2}\sqrt{\begin{aligned}&p_{6,17}^2 - 4(4p_{6,0} + 5p_{6,32} + 3p_{6,16} + 4p_{6,48} + 2p_{6,8} + p_{6,40}\\ &+ 5p_{6,24} + 3p_{6,56} + 4p_{6,4} + 5p_{6,36} + 5p_{6,20} + 2p_{6,52} + 4p_{6,12} + 3p_{6,44}\\ &+ 6p_{5,28} + 7p_{6,2} + 8p_{6,34} + 3p_{6,18} + 6p_{6,50} + 4p_{6,10} + 10p_{6,42} + 6p_{6,26}\\ &+ 3p_{6,58} + 6p_{6,6} + 5p_{6,38} + 5p_{6,22} + p_{6,54} + 5p_{5,14} + 6p_{6,30} + 2p_{6,62}\\ &+ 7p_{6,1} + 6p_{6,33} + p_{6,49} + 2p_{6,9} + 3p_{6,41} + 2p_{6,25} + 3p_{6,57} + 5p_{6,5}\\ &+ 2p_{6,37} + 5p_{6,21} + p_{6,53} + 3p_{6,13} + 4p_{6,45} + p_{6,29} + 3p_{6,61} + 4p_{6,3}\\ &+ 3p_{6,35} + 2p_{6,19} + 3p_{6,51} + 3p_{5,11} + 5p_{6,27} + 4p_{6,59} + 8p_{6,7} + 5p_{6,39}\\ &+ 2p_{6,23} + 7p_{6,55} + 8p_{6,15} + p_{6,47} + 3p_{5,31})\end{aligned}}$$

$$p_{7,81} = \frac{1}{2}p_{6,17} - \frac{1}{2}\sqrt{\begin{aligned}&p_{6,17}^2 - 4(4p_{6,0} + 5p_{6,32} + 3p_{6,16} + 4p_{6,48} + 2p_{6,8} + p_{6,40}\\ &+ 5p_{6,24} + 3p_{6,56} + 4p_{6,4} + 5p_{6,36} + 5p_{6,20} + 2p_{6,52} + 4p_{6,12} + 3p_{6,44}\\ &+ 6p_{5,28} + 7p_{6,2} + 8p_{6,34} + 3p_{6,18} + 6p_{6,50} + 4p_{6,10} + 10p_{6,42} + 6p_{6,26}\\ &+ 3p_{6,58} + 6p_{6,6} + 5p_{6,38} + 5p_{6,22} + p_{6,54} + 5p_{5,14} + 6p_{6,30} + 2p_{6,62}\\ &+ 7p_{6,1} + 6p_{6,33} + p_{6,49} + 2p_{6,9} + 3p_{6,41} + 2p_{6,25} + 3p_{6,57} + 5p_{6,5}\\ &+ 2p_{6,37} + 5p_{6,21} + p_{6,53} + 3p_{6,13} + 4p_{6,45} + p_{6,29} + 3p_{6,61} + 4p_{6,3}\\ &+ 3p_{6,35} + 2p_{6,19} + 3p_{6,51} + 3p_{5,11} + 5p_{6,27} + 4p_{6,59} + 8p_{6,7} + 5p_{6,39}\\ &+ 2p_{6,23} + 7p_{6,55} + 8p_{6,15} + p_{6,47} + 3p_{5,31})\end{aligned}}$$

$$p_{7,49} = \frac{1}{2}p_{6,49} + \frac{1}{2}\sqrt{\begin{aligned}&p_{6,49}^2 - 4(5p_{6,0} + 4p_{6,32} + 4p_{6,16} + 3p_{6,48} + p_{6,8} + 2p_{6,40}\\ &+ 3p_{6,24} + 5p_{6,56} + 5p_{6,4} + 4p_{6,36} + 2p_{6,20} + 5p_{6,52} + 3p_{6,12} + 4p_{6,44}\\ &+ 6p_{5,28} + 8p_{6,2} + 7p_{6,34} + 6p_{6,18} + 3p_{6,50} + 10p_{6,10} + 4p_{6,42} + 3p_{6,26}\\ &+ 6p_{6,58} + 5p_{6,6} + 6p_{6,38} + p_{6,22} + 5p_{6,54} + 5p_{5,14} + 2p_{6,30} + 6p_{6,62}\\ &+ 6p_{6,1} + 7p_{6,33} + p_{6,17} + 3p_{6,9} + 2p_{6,41} + 3p_{6,25} + 2p_{6,57} + 2p_{6,5}\\ &+ 5p_{6,37} + p_{6,21} + 5p_{6,53} + 4p_{6,13} + 3p_{6,45} + 3p_{6,29} + p_{6,61} + 3p_{6,3}\\ &+ 4p_{6,35} + 3p_{6,19} + 2p_{6,51} + 3p_{5,11} + 4p_{6,27} + 5p_{6,59} + 5p_{6,7} + 8p_{6,39}\\ &+ 7p_{6,23} + 2p_{6,55} + p_{6,15} + 8p_{6,47} + 3p_{5,31})\end{aligned}}$$

$$p_{7,113} = \frac{1}{2}p_{6,49} - \frac{1}{2}\sqrt{\begin{aligned}&p_{6,49}^2 - 4(5p_{6,0} + 4p_{6,32} + 4p_{6,16} + 3p_{6,48} + p_{6,8} + 2p_{6,40}\\&+ 3p_{6,24} + 5p_{6,56} + 5p_{6,4} + 4p_{6,36} + 2p_{6,20} + 5p_{6,52} + 3p_{6,12} + 4p_{6,44}\\&+ 6p_{5,28} + 8p_{6,2} + 7p_{6,34} + 6p_{6,18} + 3p_{6,50} + 10p_{6,10} + 4p_{6,42} + 3p_{6,26}\\&+ 6p_{6,58} + 5p_{6,6} + 6p_{6,38} + p_{6,22} + 5p_{6,54} + 5p_{5,14} + 2p_{6,30} + 6p_{6,62}\\&+ 6p_{6,1} + 7p_{6,33} + p_{6,17} + 3p_{6,9} + 2p_{6,41} + 3p_{6,25} + 2p_{6,57} + 2p_{6,5}\\&+ 5p_{6,37} + p_{6,21} + 5p_{6,53} + 4p_{6,13} + 3p_{6,45} + 3p_{6,29} + p_{6,61} + 3p_{6,3}\\&+ 4p_{6,35} + 3p_{6,19} + 2p_{6,51} + 3p_{5,11} + 4p_{6,27} + 5p_{6,59} + 5p_{6,7} + 8p_{6,39}\\&+ 7p_{6,23} + 2p_{6,55} + p_{6,15} + 8p_{6,47} + 3p_{5,31})\end{aligned}}$$

$$p_{7,9} = \frac{1}{2}p_{6,9} + \frac{1}{2}\sqrt{\begin{aligned}&p_{6,9}^2 - 4(2p_{6,0} + p_{6,32} + 5p_{6,16} + 3p_{6,48} + 3p_{6,8} + 4p_{6,40}\\&+ 5p_{6,24} + 4p_{6,56} + 4p_{6,4} + 3p_{6,36} + 6p_{5,20} + 5p_{6,12} + 2p_{6,44} + 5p_{6,28}\\&+ 4p_{6,60} + 4p_{6,2} + 10p_{6,34} + 6p_{6,18} + 3p_{6,50} + 3p_{6,10} + 6p_{6,42} + 8p_{6,26}\\&+ 7p_{6,58} + 5p_{5,6} + 6p_{6,22} + 2p_{6,54} + 5p_{6,14} + p_{6,46} + 5p_{6,30} + 6p_{6,62}\\&+ 2p_{6,1} + 3p_{6,33} + 2p_{6,17} + 3p_{6,49} + p_{6,41} + 6p_{6,25} + 7p_{6,57} + 3p_{6,5}\\&+ 4p_{6,37} + p_{6,21} + 3p_{6,53} + 5p_{6,13} + p_{6,45} + 2p_{6,29} + 5p_{6,61} + 3p_{5,3}\\&+ 5p_{6,19} + 4p_{6,51} + 2p_{6,11} + 3p_{6,43} + 3p_{6,27} + 4p_{6,59} + 8p_{6,7} + p_{6,39}\\&+ 3p_{5,23} + 2p_{6,15} + 7p_{6,47} + 5p_{6,31} + 8p_{6,63})\end{aligned}}$$

$$p_{7,73} = \frac{1}{2}p_{6,9} - \frac{1}{2}\sqrt{\begin{aligned}&p_{6,9}^2 - 4(2p_{6,0} + p_{6,32} + 5p_{6,16} + 3p_{6,48} + 3p_{6,8} + 4p_{6,40}\\&+ 5p_{6,24} + 4p_{6,56} + 4p_{6,4} + 3p_{6,36} + 6p_{5,20} + 5p_{6,12} + 2p_{6,44} + 5p_{6,28}\\&+ 4p_{6,60} + 4p_{6,2} + 10p_{6,34} + 6p_{6,18} + 3p_{6,50} + 3p_{6,10} + 6p_{6,42} + 8p_{6,26}\\&+ 7p_{6,58} + 5p_{5,6} + 6p_{6,22} + 2p_{6,54} + 5p_{6,14} + p_{6,46} + 5p_{6,30} + 6p_{6,62}\\&+ 2p_{6,1} + 3p_{6,33} + 2p_{6,17} + 3p_{6,49} + p_{6,41} + 6p_{6,25} + 7p_{6,57} + 3p_{6,5}\\&+ 4p_{6,37} + p_{6,21} + 3p_{6,53} + 5p_{6,13} + p_{6,45} + 2p_{6,29} + 5p_{6,61} + 3p_{5,3}\\&+ 5p_{6,19} + 4p_{6,51} + 2p_{6,11} + 3p_{6,43} + 3p_{6,27} + 4p_{6,59} + 8p_{6,7} + p_{6,39}\\&+ 3p_{5,23} + 2p_{6,15} + 7p_{6,47} + 5p_{6,31} + 8p_{6,63})\end{aligned}}$$

$$p_{7,41} = \frac{1}{2}p_{6,41} + \frac{1}{2}\sqrt{\begin{aligned}&p_{6,41}^2 - 4(p_{6,0} + 2p_{6,32} + 3p_{6,16} + 5p_{6,48} + 4p_{6,8} + 3p_{6,40}\\&+ 4p_{6,24} + 5p_{6,56} + 3p_{6,4} + 4p_{6,36} + 6p_{5,20} + 2p_{6,12} + 5p_{6,44} + 4p_{6,28}\\&+ 5p_{6,60} + 10p_{6,2} + 4p_{6,34} + 3p_{6,18} + 6p_{6,50} + 6p_{6,10} + 3p_{6,42} + 7p_{6,26}\\&+ 8p_{6,58} + 5p_{5,6} + 2p_{6,22} + 6p_{6,54} + p_{6,14} + 5p_{6,46} + 6p_{6,30} + 5p_{6,62}\\&+ 3p_{6,1} + 2p_{6,33} + 3p_{6,17} + 2p_{6,49} + p_{6,9} + 7p_{6,25} + 6p_{6,57} + 4p_{6,5}\\&+ 3p_{6,37} + 3p_{6,21} + p_{6,53} + p_{6,13} + 5p_{6,45} + 5p_{6,29} + 2p_{6,61} + 3p_{5,3}\\&+ 4p_{6,19} + 5p_{6,51} + 3p_{6,11} + 2p_{6,43} + 4p_{6,27} + 3p_{6,59} + p_{6,7} + 8p_{6,39}\\&+ 3p_{5,23} + 7p_{6,15} + 2p_{6,47} + 8p_{6,31} + 5p_{6,63})\end{aligned}}$$

$$p_{7,105} = \frac{1}{2}p_{6,41} - \frac{1}{2}\sqrt{\begin{aligned}&p_{6,41}^2 - 4(p_{6,0} + 2p_{6,32} + 3p_{6,16} + 5p_{6,48} + 4p_{6,8} + 3p_{6,40}\\&+ 4p_{6,24} + 5p_{6,56} + 3p_{6,4} + 4p_{6,36} + 6p_{5,20} + 2p_{6,12} + 5p_{6,44} + 4p_{6,28}\\&+ 5p_{6,60} + 10p_{6,2} + 4p_{6,34} + 3p_{6,18} + 6p_{6,50} + 6p_{6,10} + 3p_{6,42} + 7p_{6,26}\\&+ 8p_{6,58} + 5p_{5,6} + 2p_{6,22} + 6p_{6,54} + p_{6,14} + 5p_{6,46} + 6p_{6,30} + 5p_{6,62}\\&+ 3p_{6,1} + 2p_{6,33} + 3p_{6,17} + 2p_{6,49} + p_{6,9} + 7p_{6,25} + 6p_{6,57} + 4p_{6,5}\\&+ 3p_{6,37} + 3p_{6,21} + p_{6,53} + p_{6,13} + 5p_{6,45} + 5p_{6,29} + 2p_{6,61} + 3p_{5,3}\\&+ 4p_{6,19} + 5p_{6,51} + 3p_{6,11} + 2p_{6,43} + 4p_{6,27} + 3p_{6,59} + p_{6,7} + 8p_{6,39}\\&+ 3p_{5,23} + 7p_{6,15} + 2p_{6,47} + 8p_{6,31} + 5p_{6,63})\end{aligned}}$$

$$p_{7,25} = \frac{1}{2}p_{6,25} + \frac{1}{2}\sqrt{\begin{aligned}&p_{6,25}^2 - 4(3p_{6,0} + 5p_{6,32} + 2p_{6,16} + p_{6,48} + 4p_{6,8} + 5p_{6,40}\\&+ 3p_{6,24} + 4p_{6,56} + 6p_{5,4} + 4p_{6,20} + 3p_{6,52} + 4p_{6,12} + 5p_{6,44} + 5p_{6,28}\\&+ 2p_{6,60} + 3p_{6,2} + 6p_{6,34} + 4p_{6,18} + 10p_{6,50} + 7p_{6,10} + 8p_{6,42} + 3p_{6,26}\\&+ 6p_{6,58} + 2p_{6,6} + 6p_{6,38} + 5p_{5,22} + 6p_{6,14} + 5p_{6,46} + 5p_{6,30} + p_{6,62}\\&+ 3p_{6,1} + 2p_{6,33} + 2p_{6,17} + 3p_{6,49} + 7p_{6,9} + 6p_{6,41} + p_{6,57} + 3p_{6,5}\\&+ p_{6,37} + 3p_{6,21} + 4p_{6,53} + 5p_{6,13} + 2p_{6,45} + 5p_{6,29} + p_{6,61} + 4p_{6,3}\\&+ 5p_{6,35} + 3p_{5,19} + 4p_{6,11} + 3p_{6,43} + 2p_{6,27} + 3p_{6,59} + 3p_{5,7} + 8p_{6,23}\\&+ p_{6,55} + 8p_{6,15} + 5p_{6,47} + 2p_{6,31} + 7p_{6,63})\end{aligned}}$$

$$p_{7,89} = \frac{1}{2}p_{6,25} - \frac{1}{2}\sqrt{\begin{aligned}&p_{6,25}^2 - 4(3p_{6,0} + 5p_{6,32} + 2p_{6,16} + p_{6,48} + 4p_{6,8} + 5p_{6,40}\\&+ 3p_{6,24} + 4p_{6,56} + 6p_{5,4} + 4p_{6,20} + 3p_{6,52} + 4p_{6,12} + 5p_{6,44} + 5p_{6,28}\\&+ 2p_{6,60} + 3p_{6,2} + 6p_{6,34} + 4p_{6,18} + 10p_{6,50} + 7p_{6,10} + 8p_{6,42} + 3p_{6,26}\\&+ 6p_{6,58} + 2p_{6,6} + 6p_{6,38} + 5p_{5,22} + 6p_{6,14} + 5p_{6,46} + 5p_{6,30} + p_{6,62}\\&+ 3p_{6,1} + 2p_{6,33} + 2p_{6,17} + 3p_{6,49} + 7p_{6,9} + 6p_{6,41} + p_{6,57} + 3p_{6,5}\\&+ p_{6,37} + 3p_{6,21} + 4p_{6,53} + 5p_{6,13} + 2p_{6,45} + 5p_{6,29} + p_{6,61} + 4p_{6,3}\\&+ 5p_{6,35} + 3p_{5,19} + 4p_{6,11} + 3p_{6,43} + 2p_{6,27} + 3p_{6,59} + 3p_{5,7} + 8p_{6,23}\\&+ p_{6,55} + 8p_{6,15} + 5p_{6,47} + 2p_{6,31} + 7p_{6,63})\end{aligned}}$$

$$p_{7,57} = \frac{1}{2}p_{6,57} + \frac{1}{2}\sqrt{\begin{aligned}&p_{6,57}^2 - 4(5p_{6,0} + 3p_{6,32} + p_{6,16} + 2p_{6,48} + 5p_{6,8} + 4p_{6,40}\\&+ 4p_{6,24} + 3p_{6,56} + 6p_{5,4} + 3p_{6,20} + 4p_{6,52} + 5p_{6,12} + 4p_{6,44} + 2p_{6,28}\\&+ 5p_{6,60} + 6p_{6,2} + 3p_{6,34} + 10p_{6,18} + 4p_{6,50} + 8p_{6,10} + 7p_{6,42} + 6p_{6,26}\\&+ 3p_{6,58} + 6p_{6,6} + 2p_{6,38} + 5p_{5,22} + 5p_{6,14} + 6p_{6,46} + p_{6,30} + 5p_{6,62}\\&+ 2p_{6,1} + 3p_{6,33} + 3p_{6,17} + 2p_{6,49} + 6p_{6,9} + 7p_{6,41} + p_{6,25} + p_{6,5}\\&+ 3p_{6,37} + 4p_{6,21} + 3p_{6,53} + 2p_{6,13} + 5p_{6,45} + p_{6,29} + 5p_{6,61} + 5p_{6,3}\\&+ 4p_{6,35} + 3p_{5,19} + 3p_{6,11} + 4p_{6,43} + 3p_{6,27} + 2p_{6,59} + 3p_{5,7} + p_{6,23}\\&+ 8p_{6,55} + 5p_{6,15} + 8p_{6,47} + 7p_{6,31} + 2p_{6,63})\end{aligned}}$$

$$p_{7,121} = \frac{1}{2}p_{6,57} - \frac{1}{2}\sqrt{\begin{aligned}&p_{6,57}^2 - 4(5p_{6,0} + 3p_{6,32} + p_{6,16} + 2p_{6,48} + 5p_{6,8} + 4p_{6,40}\\&+ 4p_{6,24} + 3p_{6,56} + 6p_{5,4} + 3p_{6,20} + 4p_{6,52} + 5p_{6,12} + 4p_{6,44} + 2p_{6,28}\\&+ 5p_{6,60} + 6p_{6,2} + 3p_{6,34} + 10p_{6,18} + 4p_{6,50} + 8p_{6,10} + 7p_{6,42} + 6p_{6,26}\\&+ 3p_{6,58} + 6p_{6,6} + 2p_{6,38} + 5p_{5,22} + 5p_{6,14} + 6p_{6,46} + p_{6,30} + 5p_{6,62}\\&+ 2p_{6,1} + 3p_{6,33} + 3p_{6,17} + 2p_{6,49} + 6p_{6,9} + 7p_{6,41} + p_{6,25} + p_{6,5}\\&+ 3p_{6,37} + 4p_{6,21} + 3p_{6,53} + 2p_{6,13} + 5p_{6,45} + p_{6,29} + 5p_{6,61} + 5p_{6,3}\\&+ 4p_{6,35} + 3p_{5,19} + 3p_{6,11} + 4p_{6,43} + 3p_{6,27} + 2p_{6,59} + 3p_{5,7} + p_{6,23}\\&+ 8p_{6,55} + 5p_{6,15} + 8p_{6,47} + 7p_{6,31} + 2p_{6,63})\end{aligned}}$$

$$p_{7,5} = \frac{1}{2}p_{6,5} + \frac{1}{2}\sqrt{\begin{aligned}&p_{6,5}^2 - 4(4p_{6,0} + 3p_{6,32} + 6p_{5,16} + 5p_{6,8} + 2p_{6,40} + 5p_{6,24}\\&+ 4p_{6,56} + 3p_{6,4} + 4p_{6,36} + 5p_{6,20} + 4p_{6,52} + 5p_{6,12} + 3p_{6,44} + p_{6,28}\\&+ 2p_{6,60} + 5p_{5,2} + 6p_{6,18} + 2p_{6,50} + 5p_{6,10} + p_{6,42} + 5p_{6,26} + 6p_{6,58}\\&+ 3p_{6,6} + 6p_{6,38} + 8p_{6,22} + 7p_{6,54} + 6p_{6,14} + 3p_{6,46} + 10p_{6,30} + 4p_{6,62}\\&+ 3p_{6,1} + 4p_{6,33} + p_{6,17} + 3p_{6,49} + 5p_{6,9} + p_{6,41} + 2p_{6,25} + 5p_{6,57}\\&+ p_{6,37} + 6p_{6,21} + 7p_{6,53} + 2p_{6,13} + 3p_{6,45} + 3p_{6,29} + 2p_{6,61} + 8p_{6,3}\\&+ p_{6,35} + 3p_{5,19} + 2p_{6,11} + 7p_{6,43} + 5p_{6,27} + 8p_{6,59} + 2p_{6,7} + 3p_{6,39}\\&+ 3p_{6,23} + 4p_{6,55} + 5p_{6,15} + 4p_{6,47} + 3p_{5,31})\end{aligned}}$$

$$p_{7,69} = \frac{1}{2}p_{6,5} - \frac{1}{2}\sqrt{\begin{aligned}&p_{6,5}^2 - 4(4p_{6,0} + 3p_{6,32} + 6p_{5,16} + 5p_{6,8} + 2p_{6,40} + 5p_{6,24}\\&+ 4p_{6,56} + 3p_{6,4} + 4p_{6,36} + 5p_{6,20} + 4p_{6,52} + 5p_{6,12} + 3p_{6,44} + p_{6,28}\\&+ 2p_{6,60} + 5p_{5,2} + 6p_{6,18} + 2p_{6,50} + 5p_{6,10} + p_{6,42} + 5p_{6,26} + 6p_{6,58}\\&+ 3p_{6,6} + 6p_{6,38} + 8p_{6,22} + 7p_{6,54} + 6p_{6,14} + 3p_{6,46} + 10p_{6,30} + 4p_{6,62}\\&+ 3p_{6,1} + 4p_{6,33} + p_{6,17} + 3p_{6,49} + 5p_{6,9} + p_{6,41} + 2p_{6,25} + 5p_{6,57}\\&+ p_{6,37} + 6p_{6,21} + 7p_{6,53} + 2p_{6,13} + 3p_{6,45} + 3p_{6,29} + 2p_{6,61} + 8p_{6,3}\\&+ p_{6,35} + 3p_{5,19} + 2p_{6,11} + 7p_{6,43} + 5p_{6,27} + 8p_{6,59} + 2p_{6,7} + 3p_{6,39}\\&+ 3p_{6,23} + 4p_{6,55} + 5p_{6,15} + 4p_{6,47} + 3p_{5,31})\end{aligned}}$$

$$p_{7,37} = \frac{1}{2}p_{6,37} - \frac{1}{2}\sqrt{\begin{aligned}&p_{6,37}^2 - 4(3p_{6,0} + 4p_{6,32} + 6p_{5,16} + 2p_{6,8} + 5p_{6,40} + 4p_{6,24}\\&+ 5p_{6,56} + 4p_{6,4} + 3p_{6,36} + 4p_{6,20} + 5p_{6,52} + 3p_{6,12} + 5p_{6,44} + 2p_{6,28}\\&+ p_{6,60} + 5p_{5,2} + 2p_{6,18} + 6p_{6,50} + p_{6,10} + 5p_{6,42} + 6p_{6,26} + 5p_{6,58}\\&+ 6p_{6,6} + 3p_{6,38} + 7p_{6,22} + 8p_{6,54} + 3p_{6,14} + 6p_{6,46} + 4p_{6,30} + 10p_{6,62}\\&+ 4p_{6,1} + 3p_{6,33} + 3p_{6,17} + p_{6,49} + p_{6,9} + 5p_{6,41} + 5p_{6,25} + 2p_{6,57}\\&+ p_{6,5} + 7p_{6,21} + 6p_{6,53} + 3p_{6,13} + 2p_{6,45} + 2p_{6,29} + 3p_{6,61} + p_{6,3}\\&+ 8p_{6,35} + 3p_{5,19} + 7p_{6,11} + 2p_{6,43} + 8p_{6,27} + 5p_{6,59} + 3p_{6,7} + 2p_{6,39}\\&+ 4p_{6,23} + 3p_{6,55} + 4p_{6,15} + 5p_{6,47} + 3p_{5,31})\end{aligned}}$$

$$p_{7,101} = \frac{1}{2}p_{6,37} + \frac{1}{2}\sqrt{\begin{aligned}&p_{6,37}^2 - 4(3p_{6,0} + 4p_{6,32} + 6p_{5,16} + 2p_{6,8} + 5p_{6,40} + 4p_{6,24}\\ &+ 5p_{6,56} + 4p_{6,4} + 3p_{6,36} + 4p_{6,20} + 5p_{6,52} + 3p_{6,12} + 5p_{6,44} + 2p_{6,28}\\ &+ p_{6,60} + 5p_{5,2} + 2p_{6,18} + 6p_{6,50} + p_{6,10} + 5p_{6,42} + 6p_{6,26} + 5p_{6,58}\\ &+ 6p_{6,6} + 3p_{6,38} + 7p_{6,22} + 8p_{6,54} + 3p_{6,14} + 6p_{6,46} + 4p_{6,30} + 10p_{6,62}\\ &+ 4p_{6,1} + 3p_{6,33} + 3p_{6,17} + p_{6,49} + p_{6,9} + 5p_{6,41} + 5p_{6,25} + 2p_{6,57}\\ &+ p_{6,5} + 7p_{6,21} + 6p_{6,53} + 3p_{6,13} + 2p_{6,45} + 2p_{6,29} + 3p_{6,61} + p_{6,3}\\ &+ 8p_{6,35} + 3p_{5,19} + 7p_{6,11} + 2p_{6,43} + 8p_{6,27} + 5p_{6,59} + 3p_{6,7} + 2p_{6,39}\\ &+ 4p_{6,23} + 3p_{6,55} + 4p_{6,15} + 5p_{6,47} + 3p_{5,31})\end{aligned}}$$

$$p_{7,21} = \frac{1}{2}p_{6,21} - \frac{1}{2}\sqrt{\begin{aligned}&p_{6,21}^2 - 4(6p_{5,0} + 4p_{6,16} + 3p_{6,48} + 4p_{6,8} + 5p_{6,40} + 5p_{6,24}\\ &+ 2p_{6,56} + 4p_{6,4} + 5p_{6,36} + 3p_{6,20} + 4p_{6,52} + 2p_{6,12} + p_{6,44} + 5p_{6,28}\\ &+ 3p_{6,60} + 2p_{6,2} + 6p_{6,34} + 5p_{5,18} + 6p_{6,10} + 5p_{6,42} + 5p_{6,26} + p_{6,58}\\ &+ 7p_{6,6} + 8p_{6,38} + 3p_{6,22} + 6p_{6,54} + 4p_{6,14} + 10p_{6,46} + 6p_{6,30} + 3p_{6,62}\\ &+ 3p_{6,1} + p_{6,33} + 3p_{6,17} + 4p_{6,49} + 5p_{6,9} + 2p_{6,41} + 5p_{6,25} + p_{6,57}\\ &+ 7p_{6,5} + 6p_{6,37} + p_{6,53} + 2p_{6,13} + 3p_{6,45} + 2p_{6,29} + 3p_{6,61} + 3p_{5,3}\\ &+ 8p_{6,19} + p_{6,51} + 8p_{6,11} + 5p_{6,43} + 2p_{6,27} + 7p_{6,59} + 4p_{6,7} + 3p_{6,39}\\ &+ 2p_{6,23} + 3p_{6,55} + 3p_{5,15} + 5p_{6,31} + 4p_{6,63})\end{aligned}}$$

$$p_{7,85} = \frac{1}{2}p_{6,21} + \frac{1}{2}\sqrt{\begin{aligned}&p_{6,21}^2 - 4(6p_{5,0} + 4p_{6,16} + 3p_{6,48} + 4p_{6,8} + 5p_{6,40} + 5p_{6,24}\\ &+ 2p_{6,56} + 4p_{6,4} + 5p_{6,36} + 3p_{6,20} + 4p_{6,52} + 2p_{6,12} + p_{6,44} + 5p_{6,28}\\ &+ 3p_{6,60} + 2p_{6,2} + 6p_{6,34} + 5p_{5,18} + 6p_{6,10} + 5p_{6,42} + 5p_{6,26} + p_{6,58}\\ &+ 7p_{6,6} + 8p_{6,38} + 3p_{6,22} + 6p_{6,54} + 4p_{6,14} + 10p_{6,46} + 6p_{6,30} + 3p_{6,62}\\ &+ 3p_{6,1} + p_{6,33} + 3p_{6,17} + 4p_{6,49} + 5p_{6,9} + 2p_{6,41} + 5p_{6,25} + p_{6,57}\\ &+ 7p_{6,5} + 6p_{6,37} + p_{6,53} + 2p_{6,13} + 3p_{6,45} + 2p_{6,29} + 3p_{6,61} + 3p_{5,3}\\ &+ 8p_{6,19} + p_{6,51} + 8p_{6,11} + 5p_{6,43} + 2p_{6,27} + 7p_{6,59} + 4p_{6,7} + 3p_{6,39}\\ &+ 2p_{6,23} + 3p_{6,55} + 3p_{5,15} + 5p_{6,31} + 4p_{6,63})\end{aligned}}$$

$$p_{7,53} = \frac{1}{2}p_{6,53} - \frac{1}{2}\sqrt{\begin{aligned}&p_{6,53}^2 - 4(6p_{5,0} + 3p_{6,16} + 4p_{6,48} + 5p_{6,8} + 4p_{6,40} + 2p_{6,24}\\ &+ 5p_{6,56} + 5p_{6,4} + 4p_{6,36} + 4p_{6,20} + 3p_{6,52} + p_{6,12} + 2p_{6,44} + 3p_{6,28}\\ &+ 5p_{6,60} + 6p_{6,2} + 2p_{6,34} + 5p_{5,18} + 5p_{6,10} + 6p_{6,42} + p_{6,26} + 5p_{6,58}\\ &+ 8p_{6,6} + 7p_{6,38} + 6p_{6,22} + 3p_{6,54} + 10p_{6,14} + 4p_{6,46} + 3p_{6,30} + 6p_{6,62}\\ &+ p_{6,1} + 3p_{6,33} + 4p_{6,17} + 3p_{6,49} + 2p_{6,9} + 5p_{6,41} + p_{6,25} + 5p_{6,57}\\ &+ 6p_{6,5} + 7p_{6,37} + p_{6,21} + 3p_{6,13} + 2p_{6,45} + 3p_{6,29} + 2p_{6,61} + 3p_{5,3}\\ &+ p_{6,19} + 8p_{6,51} + 5p_{6,11} + 8p_{6,43} + 7p_{6,27} + 2p_{6,59} + 3p_{6,7} + 4p_{6,39}\\ &+ 3p_{6,23} + 2p_{6,55} + 3p_{5,15} + 4p_{6,31} + 5p_{6,63})\end{aligned}}$$

$$p_{7,117} = \frac{1}{2}p_{6,53} + \frac{1}{2}\sqrt{\begin{aligned}&p_{6,53}^2 - 4(6p_{5,0} + 3p_{6,16} + 4p_{6,48} + 5p_{6,8} + 4p_{6,40} + 2p_{6,24}\\&+ 5p_{6,56} + 5p_{6,4} + 4p_{6,36} + 4p_{6,20} + 3p_{6,52} + p_{6,12} + 2p_{6,44} + 3p_{6,28}\\&+ 5p_{6,60} + 6p_{6,2} + 2p_{6,34} + 5p_{5,18} + 5p_{6,10} + 6p_{6,42} + p_{6,26} + 5p_{6,58}\\&+ 8p_{6,6} + 7p_{6,38} + 6p_{6,22} + 3p_{6,54} + 10p_{6,14} + 4p_{6,46} + 3p_{6,30} + 6p_{6,62}\\&+ p_{6,1} + 3p_{6,33} + 4p_{6,17} + 3p_{6,49} + 2p_{6,9} + 5p_{6,41} + p_{6,25} + 5p_{6,57}\\&+ 6p_{6,5} + 7p_{6,37} + p_{6,21} + 3p_{6,13} + 2p_{6,45} + 3p_{6,29} + 2p_{6,61} + 3p_{5,3}\\&+ p_{6,19} + 8p_{6,51} + 5p_{6,11} + 8p_{6,43} + 7p_{6,27} + 2p_{6,59} + 3p_{6,7} + 4p_{6,39}\\&+ 3p_{6,23} + 2p_{6,55} + 3p_{5,15} + 4p_{6,31} + 5p_{6,63})\end{aligned}}$$

$$p_{7,13} = \frac{1}{2}p_{6,13} - \frac{1}{2}\sqrt{\begin{aligned}&p_{6,13}^2 - 4(4p_{6,0} + 5p_{6,32} + 5p_{6,16} + 2p_{6,48} + 4p_{6,8} + 3p_{6,40}\\&+ 6p_{5,24} + 2p_{6,4} + p_{6,36} + 5p_{6,20} + 3p_{6,52} + 3p_{6,12} + 4p_{6,44} + 5p_{6,28}\\&+ 4p_{6,60} + 6p_{6,2} + 5p_{6,34} + 5p_{6,18} + p_{6,50} + 5p_{5,10} + 6p_{6,26} + 2p_{6,58}\\&+ 4p_{6,6} + 10p_{6,38} + 6p_{6,22} + 3p_{6,54} + 3p_{6,14} + 6p_{6,46} + 8p_{6,30} + 7p_{6,62}\\&+ 5p_{6,1} + 2p_{6,33} + 5p_{6,17} + p_{6,49} + 3p_{6,9} + 4p_{6,41} + p_{6,25} + 3p_{6,57}\\&+ 2p_{6,5} + 3p_{6,37} + 2p_{6,21} + 3p_{6,53} + p_{6,45} + 6p_{6,29} + 7p_{6,61} + 8p_{6,3}\\&+ 5p_{6,35} + 2p_{6,19} + 7p_{6,51} + 8p_{6,11} + p_{6,43} + 3p_{5,27} + 3p_{5,7} + 5p_{6,23}\\&+ 4p_{6,55} + 2p_{6,15} + 3p_{6,47} + 3p_{6,31} + 4p_{6,63})\end{aligned}}$$

$$p_{7,77} = \frac{1}{2}p_{6,13} + \frac{1}{2}\sqrt{\begin{aligned}&p_{6,13}^2 - 4(4p_{6,0} + 5p_{6,32} + 5p_{6,16} + 2p_{6,48} + 4p_{6,8} + 3p_{6,40}\\&+ 6p_{5,24} + 2p_{6,4} + p_{6,36} + 5p_{6,20} + 3p_{6,52} + 3p_{6,12} + 4p_{6,44} + 5p_{6,28}\\&+ 4p_{6,60} + 6p_{6,2} + 5p_{6,34} + 5p_{6,18} + p_{6,50} + 5p_{5,10} + 6p_{6,26} + 2p_{6,58}\\&+ 4p_{6,6} + 10p_{6,38} + 6p_{6,22} + 3p_{6,54} + 3p_{6,14} + 6p_{6,46} + 8p_{6,30} + 7p_{6,62}\\&+ 5p_{6,1} + 2p_{6,33} + 5p_{6,17} + p_{6,49} + 3p_{6,9} + 4p_{6,41} + p_{6,25} + 3p_{6,57}\\&+ 2p_{6,5} + 3p_{6,37} + 2p_{6,21} + 3p_{6,53} + p_{6,45} + 6p_{6,29} + 7p_{6,61} + 8p_{6,3}\\&+ 5p_{6,35} + 2p_{6,19} + 7p_{6,51} + 8p_{6,11} + p_{6,43} + 3p_{5,27} + 3p_{5,7} + 5p_{6,23}\\&+ 4p_{6,55} + 2p_{6,15} + 3p_{6,47} + 3p_{6,31} + 4p_{6,63})\end{aligned}}$$

$$p_{7,45} = \frac{1}{2}p_{6,45} + \frac{1}{2}\sqrt{\begin{aligned}&p_{6,45}^2 - 4(5p_{6,0} + 4p_{6,32} + 2p_{6,16} + 5p_{6,48} + 3p_{6,8} + 4p_{6,40}\\&+ 6p_{5,24} + p_{6,4} + 2p_{6,36} + 3p_{6,20} + 5p_{6,52} + 4p_{6,12} + 3p_{6,44} + 4p_{6,28}\\&+ 5p_{6,60} + 5p_{6,2} + 6p_{6,34} + p_{6,18} + 5p_{6,50} + 5p_{5,10} + 2p_{6,26} + 6p_{6,58}\\&+ 10p_{6,6} + 4p_{6,38} + 3p_{6,22} + 6p_{6,54} + 6p_{6,14} + 3p_{6,46} + 7p_{6,30} + 8p_{6,62}\\&+ 2p_{6,1} + 5p_{6,33} + p_{6,17} + 5p_{6,49} + 4p_{6,9} + 3p_{6,41} + 3p_{6,25} + p_{6,57}\\&+ 3p_{6,5} + 2p_{6,37} + 3p_{6,21} + 2p_{6,53} + p_{6,13} + 7p_{6,29} + 6p_{6,61} + 5p_{6,3}\\&+ 8p_{6,35} + 7p_{6,19} + 2p_{6,51} + p_{6,11} + 8p_{6,43} + 3p_{5,27} + 3p_{5,7} + 4p_{6,23}\\&+ 5p_{6,55} + 3p_{6,15} + 2p_{6,47} + 4p_{6,31} + 3p_{6,63})\end{aligned}}$$

$$p_{7,109} = \frac{1}{2}p_{6,45} - \frac{1}{2}\sqrt{\begin{aligned}&p_{6,45}^2 - 4(5p_{6,0} + 4p_{6,32} + 2p_{6,16} + 5p_{6,48} + 3p_{6,8} + 4p_{6,40}\\ &+ 6p_{5,24} + p_{6,4} + 2p_{6,36} + 3p_{6,20} + 5p_{6,52} + 4p_{6,12} + 3p_{6,44} + 4p_{6,28}\\ &+ 5p_{6,60} + 5p_{6,2} + 6p_{6,34} + p_{6,18} + 5p_{6,50} + 5p_{5,10} + 2p_{6,26} + 6p_{6,58}\\ &+ 10p_{6,6} + 4p_{6,38} + 3p_{6,22} + 6p_{6,54} + 6p_{6,14} + 3p_{6,46} + 7p_{6,30} + 8p_{6,62}\\ &+ 2p_{6,1} + 5p_{6,33} + p_{6,17} + 5p_{6,49} + 4p_{6,9} + 3p_{6,41} + 3p_{6,25} + p_{6,57}\\ &+ 3p_{6,5} + 2p_{6,37} + 3p_{6,21} + 2p_{6,53} + p_{6,13} + 7p_{6,29} + 6p_{6,61} + 5p_{6,3}\\ &+ 8p_{6,35} + 7p_{6,19} + 2p_{6,51} + p_{6,11} + 8p_{6,43} + 3p_{5,27} + 3p_{5,7} + 4p_{6,23}\\ &+ 5p_{6,55} + 3p_{6,15} + 2p_{6,47} + 4p_{6,31} + 3p_{6,63})\end{aligned}}$$

$$p_{7,29} = \frac{1}{2}p_{6,29} - \frac{1}{2}\sqrt{\begin{aligned}&p_{6,29}^2 - 4(2p_{6,0} + 5p_{6,32} + 4p_{6,16} + 5p_{6,48} + 6p_{5,8} + 4p_{6,24}\\ &+ 3p_{6,56} + 3p_{6,4} + 5p_{6,36} + 2p_{6,20} + p_{6,52} + 4p_{6,12} + 5p_{6,44} + 3p_{6,28}\\ &+ 4p_{6,60} + p_{6,2} + 5p_{6,34} + 6p_{6,18} + 5p_{6,50} + 2p_{6,10} + 6p_{6,42} + 5p_{5,26}\\ &+ 3p_{6,6} + 6p_{6,38} + 4p_{6,22} + 10p_{6,54} + 7p_{6,14} + 8p_{6,46} + 3p_{6,30} + 6p_{6,62}\\ &+ p_{6,1} + 5p_{6,33} + 5p_{6,17} + 2p_{6,49} + 3p_{6,9} + p_{6,41} + 3p_{6,25} + 4p_{6,57}\\ &+ 3p_{6,5} + 2p_{6,37} + 2p_{6,21} + 3p_{6,53} + 7p_{6,13} + 6p_{6,45} + p_{6,61} + 7p_{6,3}\\ &+ 2p_{6,35} + 8p_{6,19} + 5p_{6,51} + 3p_{5,11} + 8p_{6,27} + p_{6,59} + 4p_{6,7} + 5p_{6,39}\\ &+ 3p_{5,23} + 4p_{6,15} + 3p_{6,47} + 2p_{6,31} + 3p_{6,63})\end{aligned}}$$

$$p_{7,93} = \frac{1}{2}p_{6,29} + \frac{1}{2}\sqrt{\begin{aligned}&p_{6,29}^2 - 4(2p_{6,0} + 5p_{6,32} + 4p_{6,16} + 5p_{6,48} + 6p_{5,8} + 4p_{6,24}\\ &+ 3p_{6,56} + 3p_{6,4} + 5p_{6,36} + 2p_{6,20} + p_{6,52} + 4p_{6,12} + 5p_{6,44} + 3p_{6,28}\\ &+ 4p_{6,60} + p_{6,2} + 5p_{6,34} + 6p_{6,18} + 5p_{6,50} + 2p_{6,10} + 6p_{6,42} + 5p_{5,26}\\ &+ 3p_{6,6} + 6p_{6,38} + 4p_{6,22} + 10p_{6,54} + 7p_{6,14} + 8p_{6,46} + 3p_{6,30} + 6p_{6,62}\\ &+ p_{6,1} + 5p_{6,33} + 5p_{6,17} + 2p_{6,49} + 3p_{6,9} + p_{6,41} + 3p_{6,25} + 4p_{6,57}\\ &+ 3p_{6,5} + 2p_{6,37} + 2p_{6,21} + 3p_{6,53} + 7p_{6,13} + 6p_{6,45} + p_{6,61} + 7p_{6,3}\\ &+ 2p_{6,35} + 8p_{6,19} + 5p_{6,51} + 3p_{5,11} + 8p_{6,27} + p_{6,59} + 4p_{6,7} + 5p_{6,39}\\ &+ 3p_{5,23} + 4p_{6,15} + 3p_{6,47} + 2p_{6,31} + 3p_{6,63})\end{aligned}}$$

$$p_{7,61} = \frac{1}{2}p_{6,61} + \frac{1}{2}\sqrt{\begin{aligned}&p_{6,61}^2 - 4(5p_{6,0} + 2p_{6,32} + 5p_{6,16} + 4p_{6,48} + 6p_{5,8} + 3p_{6,24}\\ &+ 4p_{6,56} + 5p_{6,4} + 3p_{6,36} + p_{6,20} + 2p_{6,52} + 5p_{6,12} + 4p_{6,44} + 4p_{6,28}\\ &+ 3p_{6,60} + 5p_{6,2} + p_{6,34} + 5p_{6,18} + 6p_{6,50} + 6p_{6,10} + 2p_{6,42} + 5p_{5,26}\\ &+ 6p_{6,6} + 3p_{6,38} + 10p_{6,22} + 4p_{6,54} + 8p_{6,14} + 7p_{6,46} + 6p_{6,30} + 3p_{6,62}\\ &+ 5p_{6,1} + p_{6,33} + 2p_{6,17} + 5p_{6,49} + p_{6,9} + 3p_{6,41} + 4p_{6,25} + 3p_{6,57}\\ &+ 2p_{6,5} + 3p_{6,37} + 3p_{6,21} + 2p_{6,53} + 6p_{6,13} + 7p_{6,45} + p_{6,29} + 2p_{6,3}\\ &+ 7p_{6,35} + 5p_{6,19} + 8p_{6,51} + 3p_{5,11} + p_{6,27} + 8p_{6,59} + 5p_{6,7} + 4p_{6,39}\\ &+ 3p_{5,23} + 3p_{6,15} + 4p_{6,47} + 3p_{6,31} + 2p_{6,63})\end{aligned}}$$

$$p_{7,125} = \frac{1}{2}p_{6,61} - \frac{1}{2}\sqrt{\begin{aligned} & p_{6,61}^2 - 4(5p_{6,0} + 2p_{6,32} + 5p_{6,16} + 4p_{6,48} + 6p_{5,8} + 3p_{6,24} \\ & + 4p_{6,56} + 5p_{6,4} + 3p_{6,36} + p_{6,20} + 2p_{6,52} + 5p_{6,12} + 4p_{6,44} + 4p_{6,28} \\ & + 3p_{6,60} + 5p_{6,2} + p_{6,34} + 5p_{6,18} + 6p_{6,50} + 6p_{6,10} + 2p_{6,42} + 5p_{5,26} \\ & + 6p_{6,6} + 3p_{6,38} + 10p_{6,22} + 4p_{6,54} + 8p_{6,14} + 7p_{6,46} + 6p_{6,30} + 3p_{6,62} \\ & + 5p_{6,1} + p_{6,33} + 2p_{6,17} + 5p_{6,49} + p_{6,9} + 3p_{6,41} + 4p_{6,25} + 3p_{6,57} \\ & + 2p_{6,5} + 3p_{6,37} + 3p_{6,21} + 2p_{6,53} + 6p_{6,13} + 7p_{6,45} + p_{6,29} + 2p_{6,3} \\ & + 7p_{6,35} + 5p_{6,19} + 8p_{6,51} + 3p_{5,11} + p_{6,27} + 8p_{6,59} + 5p_{6,7} + 4p_{6,39} \\ & + 3p_{5,23} + 3p_{6,15} + 4p_{6,47} + 3p_{6,31} + 2p_{6,63}) \end{aligned}}$$

$$p_{7,3} = \frac{1}{2}p_{6,3} + \frac{1}{2}\sqrt{\begin{aligned} & p_{6,3}^2 - 4(5p_{5,0} + 6p_{6,16} + 2p_{6,48} + 5p_{6,8} + p_{6,40} + 5p_{6,24} \\ & + 6p_{6,56} + 3p_{6,4} + 6p_{6,36} + 8p_{6,20} + 7p_{6,52} + 6p_{6,12} + 3p_{6,44} + 10p_{6,28} \\ & + 4p_{6,60} + 3p_{6,2} + 4p_{6,34} + 5p_{6,18} + 4p_{6,50} + 5p_{6,10} + 3p_{6,42} + p_{6,26} \\ & + 2p_{6,58} + 5p_{6,6} + 2p_{6,38} + 5p_{6,22} + 4p_{6,54} + 6p_{5,14} + 3p_{6,30} + 4p_{6,62} \\ & + 8p_{6,1} + p_{6,33} + 3p_{5,17} + 2p_{6,9} + 7p_{6,41} + 5p_{6,25} + 8p_{6,57} + 2p_{6,5} \\ & + 3p_{6,37} + 3p_{6,21} + 4p_{6,53} + 5p_{6,13} + 4p_{6,45} + 3p_{5,29} + p_{6,35} + 6p_{6,19} \\ & + 7p_{6,51} + 2p_{6,11} + 3p_{6,43} + 3p_{6,27} + 2p_{6,59} + 5p_{6,7} + p_{6,39} + 2p_{6,23} \\ & + 5p_{6,55} + p_{6,15} + 3p_{6,47} + 4p_{6,31} + 3p_{6,63}) \end{aligned}}$$

$$p_{7,67} = \frac{1}{2}p_{6,3} - \frac{1}{2}\sqrt{\begin{aligned} & p_{6,3}^2 - 4(5p_{5,0} + 6p_{6,16} + 2p_{6,48} + 5p_{6,8} + p_{6,40} + 5p_{6,24} \\ & + 6p_{6,56} + 3p_{6,4} + 6p_{6,36} + 8p_{6,20} + 7p_{6,52} + 6p_{6,12} + 3p_{6,44} + 10p_{6,28} \\ & + 4p_{6,60} + 3p_{6,2} + 4p_{6,34} + 5p_{6,18} + 4p_{6,50} + 5p_{6,10} + 3p_{6,42} + p_{6,26} \\ & + 2p_{6,58} + 5p_{6,6} + 2p_{6,38} + 5p_{6,22} + 4p_{6,54} + 6p_{5,14} + 3p_{6,30} + 4p_{6,62} \\ & + 8p_{6,1} + p_{6,33} + 3p_{5,17} + 2p_{6,9} + 7p_{6,41} + 5p_{6,25} + 8p_{6,57} + 2p_{6,5} \\ & + 3p_{6,37} + 3p_{6,21} + 4p_{6,53} + 5p_{6,13} + 4p_{6,45} + 3p_{5,29} + p_{6,35} + 6p_{6,19} \\ & + 7p_{6,51} + 2p_{6,11} + 3p_{6,43} + 3p_{6,27} + 2p_{6,59} + 5p_{6,7} + p_{6,39} + 2p_{6,23} \\ & + 5p_{6,55} + p_{6,15} + 3p_{6,47} + 4p_{6,31} + 3p_{6,63}) \end{aligned}}$$

$$p_{7,35} = \frac{1}{2}p_{6,35} + \frac{1}{2}\sqrt{\begin{aligned} & p_{6,35}^2 - 4(5p_{5,0} + 2p_{6,16} + 6p_{6,48} + p_{6,8} + 5p_{6,40} + 6p_{6,24} \\ & + 5p_{6,56} + 6p_{6,4} + 3p_{6,36} + 7p_{6,20} + 8p_{6,52} + 3p_{6,12} + 6p_{6,44} + 4p_{6,28} \\ & + 10p_{6,60} + 4p_{6,2} + 3p_{6,34} + 4p_{6,18} + 5p_{6,50} + 3p_{6,10} + 5p_{6,42} + 2p_{6,26} \\ & + p_{6,58} + 2p_{6,6} + 5p_{6,38} + 4p_{6,22} + 5p_{6,54} + 6p_{5,14} + 4p_{6,30} + 3p_{6,62} \\ & + p_{6,1} + 8p_{6,33} + 3p_{5,17} + 7p_{6,9} + 2p_{6,41} + 8p_{6,25} + 5p_{6,57} + 3p_{6,5} \\ & + 2p_{6,37} + 4p_{6,21} + 3p_{6,53} + 4p_{6,13} + 5p_{6,45} + 3p_{5,29} + p_{6,3} + 7p_{6,19} \\ & + 6p_{6,51} + 3p_{6,11} + 2p_{6,43} + 2p_{6,27} + 3p_{6,59} + p_{6,7} + 5p_{6,39} + 5p_{6,23} \\ & + 2p_{6,55} + 3p_{6,15} + p_{6,47} + 3p_{6,31} + 4p_{6,63}) \end{aligned}}$$

$$p_{7,99} = \frac{1}{2}p_{6,35} - \frac{1}{2}\sqrt{\begin{aligned}&p_{6,35}^2 - 4(5p_{5,0} + 2p_{6,16} + 6p_{6,48} + p_{6,8} + 5p_{6,40} + 6p_{6,24}\\&+ 5p_{6,56} + 6p_{6,4} + 3p_{6,36} + 7p_{6,20} + 8p_{6,52} + 3p_{6,12} + 6p_{6,44} + 4p_{6,28}\\&+ 10p_{6,60} + 4p_{6,2} + 3p_{6,34} + 4p_{6,18} + 5p_{6,50} + 3p_{6,10} + 5p_{6,42} + 2p_{6,26}\\&+ p_{6,58} + 2p_{6,6} + 5p_{6,38} + 4p_{6,22} + 5p_{6,54} + 6p_{5,14} + 4p_{6,30} + 3p_{6,62}\\&+ p_{6,1} + 8p_{6,33} + 3p_{5,17} + 7p_{6,9} + 2p_{6,41} + 8p_{6,25} + 5p_{6,57} + 3p_{6,5}\\&+ 2p_{6,37} + 4p_{6,21} + 3p_{6,53} + 4p_{6,13} + 5p_{6,45} + 3p_{5,29} + p_{6,3} + 7p_{6,19}\\&+ 6p_{6,51} + 3p_{6,11} + 2p_{6,43} + 2p_{6,27} + 3p_{6,59} + p_{6,7} + 5p_{6,39} + 5p_{6,23}\\&+ 2p_{6,55} + 3p_{6,15} + p_{6,47} + 3p_{6,31} + 4p_{6,63})\end{aligned}}$$

$$p_{7,19} = \frac{1}{2}p_{6,19} + \frac{1}{2}\sqrt{\begin{aligned}&p_{6,19}^2 - 4(2p_{6,0} + 6p_{6,32} + 5p_{5,16} + 6p_{6,8} + 5p_{6,40} + 5p_{6,24}\\&+ p_{6,56} + 7p_{6,4} + 8p_{6,36} + 3p_{6,20} + 6p_{6,52} + 4p_{6,12} + 10p_{6,44} + 6p_{6,28}\\&+ 3p_{6,60} + 4p_{6,2} + 5p_{6,34} + 3p_{6,18} + 4p_{6,50} + 2p_{6,10} + p_{6,42} + 5p_{6,26}\\&+ 3p_{6,58} + 4p_{6,6} + 5p_{6,38} + 5p_{6,22} + 2p_{6,54} + 4p_{6,14} + 3p_{6,46} + 6p_{5,30}\\&+ 3p_{5,1} + 8p_{6,17} + p_{6,49} + 8p_{6,9} + 5p_{6,41} + 2p_{6,25} + 7p_{6,57} + 4p_{6,5}\\&+ 3p_{6,37} + 2p_{6,21} + 3p_{6,53} + 3p_{5,13} + 5p_{6,29} + 4p_{6,61} + 7p_{6,3} + 6p_{6,35}\\&+ p_{6,51} + 2p_{6,11} + 3p_{6,43} + 2p_{6,27} + 3p_{6,59} + 5p_{6,7} + 2p_{6,39} + 5p_{6,23}\\&+ p_{6,55} + 3p_{6,15} + 4p_{6,47} + p_{6,31} + 3p_{6,63})\end{aligned}}$$

$$p_{7,83} = \frac{1}{2}p_{6,19} - \frac{1}{2}\sqrt{\begin{aligned}&p_{6,19}^2 - 4(2p_{6,0} + 6p_{6,32} + 5p_{5,16} + 6p_{6,8} + 5p_{6,40} + 5p_{6,24}\\&+ p_{6,56} + 7p_{6,4} + 8p_{6,36} + 3p_{6,20} + 6p_{6,52} + 4p_{6,12} + 10p_{6,44} + 6p_{6,28}\\&+ 3p_{6,60} + 4p_{6,2} + 5p_{6,34} + 3p_{6,18} + 4p_{6,50} + 2p_{6,10} + p_{6,42} + 5p_{6,26}\\&+ 3p_{6,58} + 4p_{6,6} + 5p_{6,38} + 5p_{6,22} + 2p_{6,54} + 4p_{6,14} + 3p_{6,46} + 6p_{5,30}\\&+ 3p_{5,1} + 8p_{6,17} + p_{6,49} + 8p_{6,9} + 5p_{6,41} + 2p_{6,25} + 7p_{6,57} + 4p_{6,5}\\&+ 3p_{6,37} + 2p_{6,21} + 3p_{6,53} + 3p_{5,13} + 5p_{6,29} + 4p_{6,61} + 7p_{6,3} + 6p_{6,35}\\&+ p_{6,51} + 2p_{6,11} + 3p_{6,43} + 2p_{6,27} + 3p_{6,59} + 5p_{6,7} + 2p_{6,39} + 5p_{6,23}\\&+ p_{6,55} + 3p_{6,15} + 4p_{6,47} + p_{6,31} + 3p_{6,63})\end{aligned}}$$

$$p_{7,51} = \frac{1}{2}p_{6,51} - \frac{1}{2}\sqrt{\begin{aligned}&p_{6,51}^2 - 4(6p_{6,0} + 2p_{6,32} + 5p_{5,16} + 5p_{6,8} + 6p_{6,40} + p_{6,24}\\&+ 5p_{6,56} + 8p_{6,4} + 7p_{6,36} + 6p_{6,20} + 3p_{6,52} + 10p_{6,12} + 4p_{6,44} + 3p_{6,28}\\&+ 6p_{6,60} + 5p_{6,2} + 4p_{6,34} + 4p_{6,18} + 3p_{6,50} + p_{6,10} + 2p_{6,42} + 3p_{6,26}\\&+ 5p_{6,58} + 5p_{6,6} + 4p_{6,38} + 2p_{6,22} + 5p_{6,54} + 3p_{6,14} + 4p_{6,46} + 6p_{5,30}\\&+ 3p_{5,1} + p_{6,17} + 8p_{6,49} + 5p_{6,9} + 8p_{6,41} + 7p_{6,25} + 2p_{6,57} + 3p_{6,5}\\&+ 4p_{6,37} + 3p_{6,21} + 2p_{6,53} + 3p_{5,13} + 4p_{6,29} + 5p_{6,61} + 6p_{6,3} + 7p_{6,35}\\&+ p_{6,19} + 3p_{6,11} + 2p_{6,43} + 3p_{6,27} + 2p_{6,59} + 2p_{6,7} + 5p_{6,39} + p_{6,23}\\&+ 5p_{6,55} + 4p_{6,15} + 3p_{6,47} + 3p_{6,31} + p_{6,63})\end{aligned}}$$

$$p_{7,115} = \frac{1}{2}p_{6,51} + \frac{1}{2}\sqrt{\begin{aligned}&p_{6,51}^2 - 4(6p_{6,0} + 2p_{6,32} + 5p_{5,16} + 5p_{6,8} + 6p_{6,40} + p_{6,24}\\&+ 5p_{6,56} + 8p_{6,4} + 7p_{6,36} + 6p_{6,20} + 3p_{6,52} + 10p_{6,12} + 4p_{6,44} + 3p_{6,28}\\&+ 6p_{6,60} + 5p_{6,2} + 4p_{6,34} + 4p_{6,18} + 3p_{6,50} + p_{6,10} + 2p_{6,42} + 3p_{6,26}\\&+ 5p_{6,58} + 5p_{6,6} + 4p_{6,38} + 2p_{6,22} + 5p_{6,54} + 3p_{6,14} + 4p_{6,46} + 6p_{5,30}\\&+ 3p_{5,1} + p_{6,17} + 8p_{6,49} + 5p_{6,9} + 8p_{6,41} + 7p_{6,25} + 2p_{6,57} + 3p_{6,5}\\&+ 4p_{6,37} + 3p_{6,21} + 2p_{6,53} + 3p_{5,13} + 4p_{6,29} + 5p_{6,61} + 6p_{6,3} + 7p_{6,35}\\&+ p_{6,19} + 3p_{6,11} + 2p_{6,43} + 3p_{6,27} + 2p_{6,59} + 2p_{6,7} + 5p_{6,39} + p_{6,23}\\&+ 5p_{6,55} + 4p_{6,15} + 3p_{6,47} + 3p_{6,31} + p_{6,63})\end{aligned}}$$

$$p_{7,11} = \frac{1}{2}p_{6,11} + \frac{1}{2}\sqrt{\begin{aligned}&p_{6,11}^2 - 4(6p_{6,0} + 5p_{6,32} + 5p_{6,16} + p_{6,48} + 5p_{5,8} + 6p_{6,24}\\&+ 2p_{6,56} + 4p_{6,4} + 10p_{6,36} + 6p_{6,20} + 3p_{6,52} + 3p_{6,12} + 6p_{6,44} + 8p_{6,28}\\&+ 7p_{6,60} + 2p_{6,2} + p_{6,34} + 5p_{6,18} + 3p_{6,50} + 3p_{6,10} + 4p_{6,42} + 5p_{6,26}\\&+ 4p_{6,58} + 4p_{6,6} + 3p_{6,38} + 6p_{5,22} + 5p_{6,14} + 2p_{6,46} + 5p_{6,30} + 4p_{6,62}\\&+ 8p_{6,1} + 5p_{6,33} + 2p_{6,17} + 7p_{6,49} + 8p_{6,9} + p_{6,41} + 3p_{5,25} + 3p_{5,5}\\&+ 5p_{6,21} + 4p_{6,53} + 2p_{6,13} + 3p_{6,45} + 3p_{6,29} + 4p_{6,61} + 2p_{6,3} + 3p_{6,35}\\&+ 2p_{6,19} + 3p_{6,51} + p_{6,43} + 6p_{6,27} + 7p_{6,59} + 3p_{6,7} + 4p_{6,39} + p_{6,23}\\&+ 3p_{6,55} + 5p_{6,15} + p_{6,47} + 2p_{6,31} + 5p_{6,63})\end{aligned}}$$

$$p_{7,75} = \frac{1}{2}p_{6,11} - \frac{1}{2}\sqrt{\begin{aligned}&p_{6,11}^2 - 4(6p_{6,0} + 5p_{6,32} + 5p_{6,16} + p_{6,48} + 5p_{5,8} + 6p_{6,24}\\&+ 2p_{6,56} + 4p_{6,4} + 10p_{6,36} + 6p_{6,20} + 3p_{6,52} + 3p_{6,12} + 6p_{6,44} + 8p_{6,28}\\&+ 7p_{6,60} + 2p_{6,2} + p_{6,34} + 5p_{6,18} + 3p_{6,50} + 3p_{6,10} + 4p_{6,42} + 5p_{6,26}\\&+ 4p_{6,58} + 4p_{6,6} + 3p_{6,38} + 6p_{5,22} + 5p_{6,14} + 2p_{6,46} + 5p_{6,30} + 4p_{6,62}\\&+ 8p_{6,1} + 5p_{6,33} + 2p_{6,17} + 7p_{6,49} + 8p_{6,9} + p_{6,41} + 3p_{5,25} + 3p_{5,5}\\&+ 5p_{6,21} + 4p_{6,53} + 2p_{6,13} + 3p_{6,45} + 3p_{6,29} + 4p_{6,61} + 2p_{6,3} + 3p_{6,35}\\&+ 2p_{6,19} + 3p_{6,51} + p_{6,43} + 6p_{6,27} + 7p_{6,59} + 3p_{6,7} + 4p_{6,39} + p_{6,23}\\&+ 3p_{6,55} + 5p_{6,15} + p_{6,47} + 2p_{6,31} + 5p_{6,63})\end{aligned}}$$

$$p_{7,43} = \frac{1}{2}p_{6,43} - \frac{1}{2}\sqrt{\begin{aligned}&p_{6,43}^2 - 4(5p_{6,0} + 6p_{6,32} + p_{6,16} + 5p_{6,48} + 5p_{5,8} + 2p_{6,24}\\&+ 6p_{6,56} + 10p_{6,4} + 4p_{6,36} + 3p_{6,20} + 6p_{6,52} + 6p_{6,12} + 3p_{6,44} + 7p_{6,28}\\&+ 8p_{6,60} + p_{6,2} + 2p_{6,34} + 3p_{6,18} + 5p_{6,50} + 4p_{6,10} + 3p_{6,42} + 4p_{6,26}\\&+ 5p_{6,58} + 3p_{6,6} + 4p_{6,38} + 6p_{5,22} + 2p_{6,14} + 5p_{6,46} + 4p_{6,30} + 5p_{6,62}\\&+ 5p_{6,1} + 8p_{6,33} + 7p_{6,17} + 2p_{6,49} + p_{6,9} + 8p_{6,41} + 3p_{5,25} + 3p_{5,5}\\&+ 4p_{6,21} + 5p_{6,53} + 3p_{6,13} + 2p_{6,45} + 4p_{6,29} + 3p_{6,61} + 3p_{6,3} + 2p_{6,35}\\&+ 3p_{6,19} + 2p_{6,51} + p_{6,11} + 7p_{6,27} + 6p_{6,59} + 4p_{6,7} + 3p_{6,39} + 3p_{6,23}\\&+ p_{6,55} + p_{6,15} + 5p_{6,47} + 5p_{6,31} + 2p_{6,63})\end{aligned}}$$

$$p_{7,107} = \frac{1}{2}p_{6,43} + \frac{1}{2}\sqrt{\begin{aligned}&p_{6,43}^2 - 4(5p_{6,0} + 6p_{6,32} + p_{6,16} + 5p_{6,48} + 5p_{5,8} + 2p_{6,24}\\&+ 6p_{6,56} + 10p_{6,4} + 4p_{6,36} + 3p_{6,20} + 6p_{6,52} + 6p_{6,12} + 3p_{6,44} + 7p_{6,28}\\&+ 8p_{6,60} + p_{6,2} + 2p_{6,34} + 3p_{6,18} + 5p_{6,50} + 4p_{6,10} + 3p_{6,42} + 4p_{6,26}\\&+ 5p_{6,58} + 3p_{6,6} + 4p_{6,38} + 6p_{5,22} + 2p_{6,14} + 5p_{6,46} + 4p_{6,30} + 5p_{6,62}\\&+ 5p_{6,1} + 8p_{6,33} + 7p_{6,17} + 2p_{6,49} + p_{6,9} + 8p_{6,41} + 3p_{5,25} + 3p_{5,5}\\&+ 4p_{6,21} + 5p_{6,53} + 3p_{6,13} + 2p_{6,45} + 4p_{6,29} + 3p_{6,61} + 3p_{6,3} + 2p_{6,35}\\&+ 3p_{6,19} + 2p_{6,51} + p_{6,11} + 7p_{6,27} + 6p_{6,59} + 4p_{6,7} + 3p_{6,39} + 3p_{6,23}\\&+ p_{6,55} + p_{6,15} + 5p_{6,47} + 5p_{6,31} + 2p_{6,63})\end{aligned}}$$

$$p_{7,27} = \frac{1}{2}p_{6,27} + \frac{1}{2}\sqrt{\begin{aligned}&p_{6,27}^2 - 4(p_{6,0} + 5p_{6,32} + 6p_{6,16} + 5p_{6,48} + 2p_{6,8} + 6p_{6,40}\\&+ 5p_{5,24} + 3p_{6,4} + 6p_{6,36} + 4p_{6,20} + 10p_{6,52} + 7p_{6,12} + 8p_{6,44} + 3p_{6,28}\\&+ 6p_{6,60} + 3p_{6,2} + 5p_{6,34} + 2p_{6,18} + p_{6,50} + 4p_{6,10} + 5p_{6,42} + 3p_{6,26}\\&+ 4p_{6,58} + 6p_{5,6} + 4p_{6,22} + 3p_{6,54} + 4p_{6,14} + 5p_{6,46} + 5p_{6,30} + 2p_{6,62}\\&+ 7p_{6,1} + 2p_{6,33} + 8p_{6,17} + 5p_{6,49} + 3p_{5,9} + 8p_{6,25} + p_{6,57} + 4p_{6,5}\\&+ 5p_{6,37} + 3p_{5,21} + 4p_{6,13} + 3p_{6,45} + 2p_{6,29} + 3p_{6,61} + 3p_{6,3} + 2p_{6,35}\\&+ 2p_{6,19} + 3p_{6,51} + 7p_{6,11} + 6p_{6,43} + p_{6,59} + 3p_{6,7} + p_{6,39} + 3p_{6,23}\\&+ 4p_{6,55} + 5p_{6,15} + 2p_{6,47} + 5p_{6,31} + p_{6,63})\end{aligned}}$$

$$p_{7,91} = \frac{1}{2}p_{6,27} - \frac{1}{2}\sqrt{\begin{aligned}&p_{6,27}^2 - 4(p_{6,0} + 5p_{6,32} + 6p_{6,16} + 5p_{6,48} + 2p_{6,8} + 6p_{6,40}\\&+ 5p_{5,24} + 3p_{6,4} + 6p_{6,36} + 4p_{6,20} + 10p_{6,52} + 7p_{6,12} + 8p_{6,44} + 3p_{6,28}\\&+ 6p_{6,60} + 3p_{6,2} + 5p_{6,34} + 2p_{6,18} + p_{6,50} + 4p_{6,10} + 5p_{6,42} + 3p_{6,26}\\&+ 4p_{6,58} + 6p_{5,6} + 4p_{6,22} + 3p_{6,54} + 4p_{6,14} + 5p_{6,46} + 5p_{6,30} + 2p_{6,62}\\&+ 7p_{6,1} + 2p_{6,33} + 8p_{6,17} + 5p_{6,49} + 3p_{5,9} + 8p_{6,25} + p_{6,57} + 4p_{6,5}\\&+ 5p_{6,37} + 3p_{5,21} + 4p_{6,13} + 3p_{6,45} + 2p_{6,29} + 3p_{6,61} + 3p_{6,3} + 2p_{6,35}\\&+ 2p_{6,19} + 3p_{6,51} + 7p_{6,11} + 6p_{6,43} + p_{6,59} + 3p_{6,7} + p_{6,39} + 3p_{6,23}\\&+ 4p_{6,55} + 5p_{6,15} + 2p_{6,47} + 5p_{6,31} + p_{6,63})\end{aligned}}$$

$$p_{7,59} = \frac{1}{2}p_{6,59} - \frac{1}{2}\sqrt{\begin{aligned}&p_{6,59}^2 - 4(5p_{6,0} + p_{6,32} + 5p_{6,16} + 6p_{6,48} + 6p_{6,8} + 2p_{6,40}\\&+ 5p_{5,24} + 6p_{6,4} + 3p_{6,36} + 10p_{6,20} + 4p_{6,52} + 8p_{6,12} + 7p_{6,44} + 6p_{6,28}\\&+ 3p_{6,60} + 5p_{6,2} + 3p_{6,34} + p_{6,18} + 2p_{6,50} + 5p_{6,10} + 4p_{6,42} + 4p_{6,26}\\&+ 3p_{6,58} + 6p_{5,6} + 3p_{6,22} + 4p_{6,54} + 5p_{6,14} + 4p_{6,46} + 2p_{6,30} + 5p_{6,62}\\&+ 2p_{6,1} + 7p_{6,33} + 5p_{6,17} + 8p_{6,49} + 3p_{5,9} + p_{6,25} + 8p_{6,57} + 5p_{6,5}\\&+ 4p_{6,37} + 3p_{5,21} + 3p_{6,13} + 4p_{6,45} + 3p_{6,29} + 2p_{6,61} + 2p_{6,3} + 3p_{6,35}\\&+ 3p_{6,19} + 2p_{6,51} + 6p_{6,11} + 7p_{6,43} + p_{6,27} + p_{6,7} + 3p_{6,39} + 4p_{6,23}\\&+ 3p_{6,55} + 2p_{6,15} + 5p_{6,47} + p_{6,31} + 5p_{6,63})\end{aligned}}$$

$$p_{7,123} = \frac{1}{2}p_{6,59} + \frac{1}{2}\sqrt{\begin{aligned}&p_{6,59}^2 - 4(5p_{6,0} + p_{6,32} + 5p_{6,16} + 6p_{6,48} + 6p_{6,8} + 2p_{6,40}\\&+ 5p_{5,24} + 6p_{6,4} + 3p_{6,36} + 10p_{6,20} + 4p_{6,52} + 8p_{6,12} + 7p_{6,44} + 6p_{6,28}\\&+ 3p_{6,60} + 5p_{6,2} + 3p_{6,34} + p_{6,18} + 2p_{6,50} + 5p_{6,10} + 4p_{6,42} + 4p_{6,26}\\&+ 3p_{6,58} + 6p_{5,6} + 3p_{6,22} + 4p_{6,54} + 5p_{6,14} + 4p_{6,46} + 2p_{6,30} + 5p_{6,62}\\&+ 2p_{6,1} + 7p_{6,33} + 5p_{6,17} + 8p_{6,49} + 3p_{5,9} + p_{6,25} + 8p_{6,57} + 5p_{6,5}\\&+ 4p_{6,37} + 3p_{5,21} + 3p_{6,13} + 4p_{6,45} + 3p_{6,29} + 2p_{6,61} + 2p_{6,3} + 3p_{6,35}\\&+ 3p_{6,19} + 2p_{6,51} + 6p_{6,11} + 7p_{6,43} + p_{6,27} + p_{6,7} + 3p_{6,39} + 4p_{6,23}\\&+ 3p_{6,55} + 2p_{6,15} + 5p_{6,47} + p_{6,31} + 5p_{6,63})\end{aligned}}$$

$$p_{7,7} = \frac{1}{2}p_{6,7} + \frac{1}{2}\sqrt{\begin{aligned}&p_{6,7}^2 - 4(4p_{6,0} + 10p_{6,32} + 6p_{6,16} + 3p_{6,48} + 3p_{6,8} + 6p_{6,40}\\&+ 8p_{6,24} + 7p_{6,56} + 5p_{5,4} + 6p_{6,20} + 2p_{6,52} + 5p_{6,12} + p_{6,44} + 5p_{6,28}\\&+ 6p_{6,60} + 4p_{6,2} + 3p_{6,34} + 6p_{5,18} + 5p_{6,10} + 2p_{6,42} + 5p_{6,26} + 4p_{6,58}\\&+ 3p_{6,6} + 4p_{6,38} + 5p_{6,22} + 4p_{6,54} + 5p_{6,14} + 3p_{6,46} + p_{6,30} + 2p_{6,62}\\&+ 3p_{5,1} + 5p_{6,17} + 4p_{6,49} + 2p_{6,9} + 3p_{6,41} + 3p_{6,25} + 4p_{6,57} + 8p_{6,5}\\&+ p_{6,37} + 3p_{5,21} + 2p_{6,13} + 7p_{6,45} + 5p_{6,29} + 8p_{6,61} + 3p_{6,3} + 4p_{6,35}\\&+ p_{6,19} + 3p_{6,51} + 5p_{6,11} + p_{6,43} + 2p_{6,27} + 5p_{6,59} + p_{6,39} + 6p_{6,23}\\&+ 7p_{6,55} + 2p_{6,15} + 3p_{6,47} + 3p_{6,31} + 2p_{6,63})\end{aligned}}$$

$$p_{7,71} = \frac{1}{2}p_{6,7} - \frac{1}{2}\sqrt{\begin{aligned}&p_{6,7}^2 - 4(4p_{6,0} + 10p_{6,32} + 6p_{6,16} + 3p_{6,48} + 3p_{6,8} + 6p_{6,40}\\&+ 8p_{6,24} + 7p_{6,56} + 5p_{5,4} + 6p_{6,20} + 2p_{6,52} + 5p_{6,12} + p_{6,44} + 5p_{6,28}\\&+ 6p_{6,60} + 4p_{6,2} + 3p_{6,34} + 6p_{5,18} + 5p_{6,10} + 2p_{6,42} + 5p_{6,26} + 4p_{6,58}\\&+ 3p_{6,6} + 4p_{6,38} + 5p_{6,22} + 4p_{6,54} + 5p_{6,14} + 3p_{6,46} + p_{6,30} + 2p_{6,62}\\&+ 3p_{5,1} + 5p_{6,17} + 4p_{6,49} + 2p_{6,9} + 3p_{6,41} + 3p_{6,25} + 4p_{6,57} + 8p_{6,5}\\&+ p_{6,37} + 3p_{5,21} + 2p_{6,13} + 7p_{6,45} + 5p_{6,29} + 8p_{6,61} + 3p_{6,3} + 4p_{6,35}\\&+ p_{6,19} + 3p_{6,51} + 5p_{6,11} + p_{6,43} + 2p_{6,27} + 5p_{6,59} + p_{6,39} + 6p_{6,23}\\&+ 7p_{6,55} + 2p_{6,15} + 3p_{6,47} + 3p_{6,31} + 2p_{6,63})\end{aligned}}$$

$$p_{7,39} = \frac{1}{2}p_{6,39} + \frac{1}{2}\sqrt{\begin{aligned}&p_{6,39}^2 - 4(10p_{6,0} + 4p_{6,32} + 3p_{6,16} + 6p_{6,48} + 6p_{6,8} + 3p_{6,40}\\&+ 7p_{6,24} + 8p_{6,56} + 5p_{5,4} + 2p_{6,20} + 6p_{6,52} + p_{6,12} + 5p_{6,44} + 6p_{6,28}\\&+ 5p_{6,60} + 3p_{6,2} + 4p_{6,34} + 6p_{5,18} + 2p_{6,10} + 5p_{6,42} + 4p_{6,26} + 5p_{6,58}\\&+ 4p_{6,6} + 3p_{6,38} + 4p_{6,22} + 5p_{6,54} + 3p_{6,14} + 5p_{6,46} + 2p_{6,30} + p_{6,62}\\&+ 3p_{5,1} + 4p_{6,17} + 5p_{6,49} + 3p_{6,9} + 2p_{6,41} + 4p_{6,25} + 3p_{6,57} + p_{6,5}\\&+ 8p_{6,37} + 3p_{5,21} + 7p_{6,13} + 2p_{6,45} + 8p_{6,29} + 5p_{6,61} + 4p_{6,3} + 3p_{6,35}\\&+ 3p_{6,19} + p_{6,51} + p_{6,11} + 5p_{6,43} + 5p_{6,27} + 2p_{6,59} + p_{6,7} + 7p_{6,23}\\&+ 6p_{6,55} + 3p_{6,15} + 2p_{6,47} + 2p_{6,31} + 3p_{6,63})\end{aligned}}$$

$$p_{7,103} = \frac{1}{2}p_{6,39} - \frac{1}{2}\sqrt{\begin{aligned}&p_{6,39}^2 - 4(10p_{6,0} + 4p_{6,32} + 3p_{6,16} + 6p_{6,48} + 6p_{6,8} + 3p_{6,40}\\ &+ 7p_{6,24} + 8p_{6,56} + 5p_{5,4} + 2p_{6,20} + 6p_{6,52} + p_{6,12} + 5p_{6,44} + 6p_{6,28}\\ &+ 5p_{6,60} + 3p_{6,2} + 4p_{6,34} + 6p_{5,18} + 2p_{6,10} + 5p_{6,42} + 4p_{6,26} + 5p_{6,58}\\ &+ 4p_{6,6} + 3p_{6,38} + 4p_{6,22} + 5p_{6,54} + 3p_{6,14} + 5p_{6,46} + 2p_{6,30} + p_{6,62}\\ &+ 3p_{5,1} + 4p_{6,17} + 5p_{6,49} + 3p_{6,9} + 2p_{6,41} + 4p_{6,25} + 3p_{6,57} + p_{6,5}\\ &+ 8p_{6,37} + 3p_{5,21} + 7p_{6,13} + 2p_{6,45} + 8p_{6,29} + 5p_{6,61} + 4p_{6,3} + 3p_{6,35}\\ &+ 3p_{6,19} + p_{6,51} + p_{6,11} + 5p_{6,43} + 5p_{6,27} + 2p_{6,59} + p_{6,7} + 7p_{6,23}\\ &+ 6p_{6,55} + 3p_{6,15} + 2p_{6,47} + 2p_{6,31} + 3p_{6,63})\end{aligned}}$$

$$p_{7,23} = \frac{1}{2}p_{6,23} + \frac{1}{2}\sqrt{\begin{aligned}&p_{6,23}^2 - 4(3p_{6,0} + 6p_{6,32} + 4p_{6,16} + 10p_{6,48} + 7p_{6,8} + 8p_{6,40}\\ &+ 3p_{6,24} + 6p_{6,56} + 2p_{6,4} + 6p_{6,36} + 5p_{5,20} + 6p_{6,12} + 5p_{6,44} + 5p_{6,28}\\ &+ p_{6,60} + 6p_{5,2} + 4p_{6,18} + 3p_{6,50} + 4p_{6,10} + 5p_{6,42} + 5p_{6,26} + 2p_{6,58}\\ &+ 4p_{6,6} + 5p_{6,38} + 3p_{6,22} + 4p_{6,54} + 2p_{6,14} + p_{6,46} + 5p_{6,30} + 3p_{6,62}\\ &+ 4p_{6,1} + 5p_{6,33} + 3p_{5,17} + 4p_{6,9} + 3p_{6,41} + 2p_{6,25} + 3p_{6,57} + 3p_{5,5}\\ &+ 8p_{6,21} + p_{6,53} + 8p_{6,13} + 5p_{6,45} + 2p_{6,29} + 7p_{6,61} + 3p_{6,3} + p_{6,35}\\ &+ 3p_{6,19} + 4p_{6,51} + 5p_{6,11} + 2p_{6,43} + 5p_{6,27} + p_{6,59} + 7p_{6,7} + 6p_{6,39}\\ &+ p_{6,55} + 2p_{6,15} + 3p_{6,47} + 2p_{6,31} + 3p_{6,63})\end{aligned}}$$

$$p_{7,87} = \frac{1}{2}p_{6,23} - \frac{1}{2}\sqrt{\begin{aligned}&p_{6,23}^2 - 4(3p_{6,0} + 6p_{6,32} + 4p_{6,16} + 10p_{6,48} + 7p_{6,8} + 8p_{6,40}\\ &+ 3p_{6,24} + 6p_{6,56} + 2p_{6,4} + 6p_{6,36} + 5p_{5,20} + 6p_{6,12} + 5p_{6,44} + 5p_{6,28}\\ &+ p_{6,60} + 6p_{5,2} + 4p_{6,18} + 3p_{6,50} + 4p_{6,10} + 5p_{6,42} + 5p_{6,26} + 2p_{6,58}\\ &+ 4p_{6,6} + 5p_{6,38} + 3p_{6,22} + 4p_{6,54} + 2p_{6,14} + p_{6,46} + 5p_{6,30} + 3p_{6,62}\\ &+ 4p_{6,1} + 5p_{6,33} + 3p_{5,17} + 4p_{6,9} + 3p_{6,41} + 2p_{6,25} + 3p_{6,57} + 3p_{5,5}\\ &+ 8p_{6,21} + p_{6,53} + 8p_{6,13} + 5p_{6,45} + 2p_{6,29} + 7p_{6,61} + 3p_{6,3} + p_{6,35}\\ &+ 3p_{6,19} + 4p_{6,51} + 5p_{6,11} + 2p_{6,43} + 5p_{6,27} + p_{6,59} + 7p_{6,7} + 6p_{6,39}\\ &+ p_{6,55} + 2p_{6,15} + 3p_{6,47} + 2p_{6,31} + 3p_{6,63})\end{aligned}}$$

$$p_{7,55} = \frac{1}{2}p_{6,55} - \frac{1}{2}\sqrt{\begin{aligned}&p_{6,55}^2 - 4(6p_{6,0} + 3p_{6,32} + 10p_{6,16} + 4p_{6,48} + 8p_{6,8} + 7p_{6,40}\\ &+ 6p_{6,24} + 3p_{6,56} + 6p_{6,4} + 2p_{6,36} + 5p_{5,20} + 5p_{6,12} + 6p_{6,44} + p_{6,28}\\ &+ 5p_{6,60} + 6p_{5,2} + 3p_{6,18} + 4p_{6,50} + 5p_{6,10} + 4p_{6,42} + 2p_{6,26} + 5p_{6,58}\\ &+ 5p_{6,6} + 4p_{6,38} + 4p_{6,22} + 3p_{6,54} + p_{6,14} + 2p_{6,46} + 3p_{6,30} + 5p_{6,62}\\ &+ 5p_{6,1} + 4p_{6,33} + 3p_{5,17} + 3p_{6,9} + 4p_{6,41} + 3p_{6,25} + 2p_{6,57} + 3p_{5,5}\\ &+ p_{6,21} + 8p_{6,53} + 5p_{6,13} + 8p_{6,45} + 7p_{6,29} + 2p_{6,61} + p_{6,3} + 3p_{6,35}\\ &+ 4p_{6,19} + 3p_{6,51} + 2p_{6,11} + 5p_{6,43} + p_{6,27} + 5p_{6,59} + 6p_{6,7} + 7p_{6,39}\\ &+ p_{6,23} + 3p_{6,15} + 2p_{6,47} + 3p_{6,31} + 2p_{6,63})\end{aligned}}$$

$$p_{7,119} = \frac{1}{2}p_{6,55} + \frac{1}{2}\sqrt{\begin{aligned}&p_{6,55}^2 - 4(6p_{6,0} + 3p_{6,32} + 10p_{6,16} + 4p_{6,48} + 8p_{6,8} + 7p_{6,40}\\ &+ 6p_{6,24} + 3p_{6,56} + 6p_{6,4} + 2p_{6,36} + 5p_{5,20} + 5p_{6,12} + 6p_{6,44} + p_{6,28}\\ &+ 5p_{6,60} + 6p_{5,2} + 3p_{6,18} + 4p_{6,50} + 5p_{6,10} + 4p_{6,42} + 2p_{6,26} + 5p_{6,58}\\ &+ 5p_{6,6} + 4p_{6,38} + 4p_{6,22} + 3p_{6,54} + p_{6,14} + 2p_{6,46} + 3p_{6,30} + 5p_{6,62}\\ &+ 5p_{6,1} + 4p_{6,33} + 3p_{5,17} + 3p_{6,9} + 4p_{6,41} + 3p_{6,25} + 2p_{6,57} + 3p_{5,5}\\ &+ p_{6,21} + 8p_{6,53} + 5p_{6,13} + 8p_{6,45} + 7p_{6,29} + 2p_{6,61} + p_{6,3} + 3p_{6,35}\\ &+ 4p_{6,19} + 3p_{6,51} + 2p_{6,11} + 5p_{6,43} + p_{6,27} + 5p_{6,59} + 6p_{6,7} + 7p_{6,39}\\ &+ p_{6,23} + 3p_{6,15} + 2p_{6,47} + 3p_{6,31} + 2p_{6,63})\end{aligned}}$$

$$p_{7,15} = \frac{1}{2}p_{6,15} + \frac{1}{2}\sqrt{\begin{aligned}&p_{6,15}^2 - 4(7p_{6,0} + 8p_{6,32} + 3p_{6,16} + 6p_{6,48} + 4p_{6,8} + 10p_{6,40}\\ &+ 6p_{6,24} + 3p_{6,56} + 6p_{6,4} + 5p_{6,36} + 5p_{6,20} + p_{6,52} + 5p_{5,12} + 6p_{6,28}\\ &+ 2p_{6,60} + 4p_{6,2} + 5p_{6,34} + 5p_{6,18} + 2p_{6,50} + 4p_{6,10} + 3p_{6,42} + 6p_{5,26}\\ &+ 2p_{6,6} + p_{6,38} + 5p_{6,22} + 3p_{6,54} + 3p_{6,14} + 4p_{6,46} + 5p_{6,30} + 4p_{6,62}\\ &+ 4p_{6,1} + 3p_{6,33} + 2p_{6,17} + 3p_{6,49} + 3p_{5,9} + 5p_{6,25} + 4p_{6,57} + 8p_{6,5}\\ &+ 5p_{6,37} + 2p_{6,21} + 7p_{6,53} + 8p_{6,13} + p_{6,45} + 3p_{5,29} + 5p_{6,3} + 2p_{6,35}\\ &+ 5p_{6,19} + p_{6,51} + 3p_{6,11} + 4p_{6,43} + p_{6,27} + 3p_{6,59} + 2p_{6,7} + 3p_{6,39}\\ &+ 2p_{6,23} + 3p_{6,55} + p_{6,47} + 6p_{6,31} + 7p_{6,63})\end{aligned}}$$

$$p_{7,79} = \frac{1}{2}p_{6,15} - \frac{1}{2}\sqrt{\begin{aligned}&p_{6,15}^2 - 4(7p_{6,0} + 8p_{6,32} + 3p_{6,16} + 6p_{6,48} + 4p_{6,8} + 10p_{6,40}\\ &+ 6p_{6,24} + 3p_{6,56} + 6p_{6,4} + 5p_{6,36} + 5p_{6,20} + p_{6,52} + 5p_{5,12} + 6p_{6,28}\\ &+ 2p_{6,60} + 4p_{6,2} + 5p_{6,34} + 5p_{6,18} + 2p_{6,50} + 4p_{6,10} + 3p_{6,42} + 6p_{5,26}\\ &+ 2p_{6,6} + p_{6,38} + 5p_{6,22} + 3p_{6,54} + 3p_{6,14} + 4p_{6,46} + 5p_{6,30} + 4p_{6,62}\\ &+ 4p_{6,1} + 3p_{6,33} + 2p_{6,17} + 3p_{6,49} + 3p_{5,9} + 5p_{6,25} + 4p_{6,57} + 8p_{6,5}\\ &+ 5p_{6,37} + 2p_{6,21} + 7p_{6,53} + 8p_{6,13} + p_{6,45} + 3p_{5,29} + 5p_{6,3} + 2p_{6,35}\\ &+ 5p_{6,19} + p_{6,51} + 3p_{6,11} + 4p_{6,43} + p_{6,27} + 3p_{6,59} + 2p_{6,7} + 3p_{6,39}\\ &+ 2p_{6,23} + 3p_{6,55} + p_{6,47} + 6p_{6,31} + 7p_{6,63})\end{aligned}}$$

$$p_{7,47} = \frac{1}{2}p_{6,47} + \frac{1}{2}\sqrt{\begin{aligned}&p_{6,47}^2 - 4(8p_{6,0} + 7p_{6,32} + 6p_{6,16} + 3p_{6,48} + 10p_{6,8} + 4p_{6,40}\\ &+ 3p_{6,24} + 6p_{6,56} + 5p_{6,4} + 6p_{6,36} + p_{6,20} + 5p_{6,52} + 5p_{5,12} + 2p_{6,28}\\ &+ 6p_{6,60} + 5p_{6,2} + 4p_{6,34} + 2p_{6,18} + 5p_{6,50} + 3p_{6,10} + 4p_{6,42} + 6p_{5,26}\\ &+ p_{6,6} + 2p_{6,38} + 3p_{6,22} + 5p_{6,54} + 4p_{6,14} + 3p_{6,46} + 4p_{6,30} + 5p_{6,62}\\ &+ 3p_{6,1} + 4p_{6,33} + 3p_{6,17} + 2p_{6,49} + 3p_{5,9} + 4p_{6,25} + 5p_{6,57} + 5p_{6,5}\\ &+ 8p_{6,37} + 7p_{6,21} + 2p_{6,53} + p_{6,13} + 8p_{6,45} + 3p_{5,29} + 2p_{6,3} + 5p_{6,35}\\ &+ p_{6,19} + 5p_{6,51} + 4p_{6,11} + 3p_{6,43} + 3p_{6,27} + p_{6,59} + 3p_{6,7} + 2p_{6,39}\\ &+ 3p_{6,23} + 2p_{6,55} + p_{6,15} + 7p_{6,31} + 6p_{6,63})\end{aligned}}$$

$$p_{7,111} = \frac{1}{2}p_{6,47} - \frac{1}{2}\sqrt{\begin{aligned}&p_{6,47}^2 - 4(8p_{6,0} + 7p_{6,32} + 6p_{6,16} + 3p_{6,48} + 10p_{6,8} + 4p_{6,40}\\ &+ 3p_{6,24} + 6p_{6,56} + 5p_{6,4} + 6p_{6,36} + p_{6,20} + 5p_{6,52} + 5p_{5,12} + 2p_{6,28}\\ &+ 6p_{6,60} + 5p_{6,2} + 4p_{6,34} + 2p_{6,18} + 5p_{6,50} + 3p_{6,10} + 4p_{6,42} + 6p_{5,26}\\ &+ p_{6,6} + 2p_{6,38} + 3p_{6,22} + 5p_{6,54} + 4p_{6,14} + 3p_{6,46} + 4p_{6,30} + 5p_{6,62}\\ &+ 3p_{6,1} + 4p_{6,33} + 3p_{6,17} + 2p_{6,49} + 3p_{5,9} + 4p_{6,25} + 5p_{6,57} + 5p_{6,5}\\ &+ 8p_{6,37} + 7p_{6,21} + 2p_{6,53} + p_{6,13} + 8p_{6,45} + 3p_{5,29} + 2p_{6,3} + 5p_{6,35}\\ &+ p_{6,19} + 5p_{6,51} + 4p_{6,11} + 3p_{6,43} + 3p_{6,27} + p_{6,59} + 3p_{6,7} + 2p_{6,39}\\ &+ 3p_{6,23} + 2p_{6,55} + p_{6,15} + 7p_{6,31} + 6p_{6,63})\end{aligned}}$$

$$p_{7,31} = \frac{1}{2}p_{6,31} + \frac{1}{2}\sqrt{\begin{aligned}&p_{6,31}^2 - 4(6p_{6,0} + 3p_{6,32} + 7p_{6,16} + 8p_{6,48} + 3p_{6,8} + 6p_{6,40}\\ &+ 4p_{6,24} + 10p_{6,56} + p_{6,4} + 5p_{6,36} + 6p_{6,20} + 5p_{6,52} + 2p_{6,12} + 6p_{6,44}\\ &+ 5p_{5,28} + 2p_{6,2} + 5p_{6,34} + 4p_{6,18} + 5p_{6,50} + 6p_{5,10} + 4p_{6,26} + 3p_{6,58}\\ &+ 3p_{6,6} + 5p_{6,38} + 2p_{6,22} + p_{6,54} + 4p_{6,14} + 5p_{6,46} + 3p_{6,30} + 4p_{6,62}\\ &+ 3p_{6,1} + 2p_{6,33} + 4p_{6,17} + 3p_{6,49} + 4p_{6,9} + 5p_{6,41} + 3p_{5,25} + 7p_{6,5}\\ &+ 2p_{6,37} + 8p_{6,21} + 5p_{6,53} + 3p_{5,13} + 8p_{6,29} + p_{6,61} + p_{6,3} + 5p_{6,35}\\ &+ 5p_{6,19} + 2p_{6,51} + 3p_{6,11} + p_{6,43} + 3p_{6,27} + 4p_{6,59} + 3p_{6,7} + 2p_{6,39}\\ &+ 2p_{6,23} + 3p_{6,55} + 7p_{6,15} + 6p_{6,47} + p_{6,63})\end{aligned}}$$

$$p_{7,95} = \frac{1}{2}p_{6,31} - \frac{1}{2}\sqrt{\begin{aligned}&p_{6,31}^2 - 4(6p_{6,0} + 3p_{6,32} + 7p_{6,16} + 8p_{6,48} + 3p_{6,8} + 6p_{6,40}\\ &+ 4p_{6,24} + 10p_{6,56} + p_{6,4} + 5p_{6,36} + 6p_{6,20} + 5p_{6,52} + 2p_{6,12} + 6p_{6,44}\\ &+ 5p_{5,28} + 2p_{6,2} + 5p_{6,34} + 4p_{6,18} + 5p_{6,50} + 6p_{5,10} + 4p_{6,26} + 3p_{6,58}\\ &+ 3p_{6,6} + 5p_{6,38} + 2p_{6,22} + p_{6,54} + 4p_{6,14} + 5p_{6,46} + 3p_{6,30} + 4p_{6,62}\\ &+ 3p_{6,1} + 2p_{6,33} + 4p_{6,17} + 3p_{6,49} + 4p_{6,9} + 5p_{6,41} + 3p_{5,25} + 7p_{6,5}\\ &+ 2p_{6,37} + 8p_{6,21} + 5p_{6,53} + 3p_{5,13} + 8p_{6,29} + p_{6,61} + p_{6,3} + 5p_{6,35}\\ &+ 5p_{6,19} + 2p_{6,51} + 3p_{6,11} + p_{6,43} + 3p_{6,27} + 4p_{6,59} + 3p_{6,7} + 2p_{6,39}\\ &+ 2p_{6,23} + 3p_{6,55} + 7p_{6,15} + 6p_{6,47} + p_{6,63})\end{aligned}}$$

$$p_{7,63} = \frac{1}{2}p_{6,63} - \frac{1}{2}\sqrt{\begin{aligned}&p_{6,63}^2 - 4(3p_{6,0} + 6p_{6,32} + 8p_{6,16} + 7p_{6,48} + 6p_{6,8} + 3p_{6,40}\\ &+ 10p_{6,24} + 4p_{6,56} + 5p_{6,4} + p_{6,36} + 5p_{6,20} + 6p_{6,52} + 6p_{6,12} + 2p_{6,44}\\ &+ 5p_{5,28} + 5p_{6,2} + 2p_{6,34} + 5p_{6,18} + 4p_{6,50} + 6p_{5,10} + 3p_{6,26} + 4p_{6,58}\\ &+ 5p_{6,6} + 3p_{6,38} + p_{6,22} + 2p_{6,54} + 5p_{6,14} + 4p_{6,46} + 4p_{6,30} + 3p_{6,62}\\ &+ 2p_{6,1} + 3p_{6,33} + 3p_{6,17} + 4p_{6,49} + 5p_{6,9} + 4p_{6,41} + 3p_{5,25} + 2p_{6,5}\\ &+ 7p_{6,37} + 5p_{6,21} + 8p_{6,53} + 3p_{5,13} + p_{6,29} + 8p_{6,61} + 5p_{6,3} + p_{6,35}\\ &+ 2p_{6,19} + 5p_{6,51} + p_{6,11} + 3p_{6,43} + 4p_{6,27} + 3p_{6,59} + 2p_{6,7} + 3p_{6,39}\\ &+ 3p_{6,23} + 2p_{6,55} + 6p_{6,15} + 7p_{6,47} + p_{6,31})\end{aligned}}$$

$$p_{7,127} = \frac{1}{2}p_{6,63} + \frac{1}{2}\sqrt{\begin{aligned} & p_{6,63}^2 - 4(3p_{6,0} + 6p_{6,32} + 8p_{6,16} + 7p_{6,48} + 6p_{6,8} + 3p_{6,40} \\ & + 10p_{6,24} + 4p_{6,56} + 5p_{6,4} + p_{6,36} + 5p_{6,20} + 6p_{6,52} + 6p_{6,12} + 2p_{6,44} \\ & + 5p_{5,28} + 5p_{6,2} + 2p_{6,34} + 5p_{6,18} + 4p_{6,50} + 6p_{5,10} + 3p_{6,26} + 4p_{6,58} \\ & + 5p_{6,6} + 3p_{6,38} + p_{6,22} + 2p_{6,54} + 5p_{6,14} + 4p_{6,46} + 4p_{6,30} + 3p_{6,62} \\ & + 2p_{6,1} + 3p_{6,33} + 3p_{6,17} + 4p_{6,49} + 5p_{6,9} + 4p_{6,41} + 3p_{5,25} + 2p_{6,5} \\ & + 7p_{6,37} + 5p_{6,21} + 8p_{6,53} + 3p_{5,13} + p_{6,29} + 8p_{6,61} + 5p_{6,3} + p_{6,35} \\ & + 2p_{6,19} + 5p_{6,51} + p_{6,11} + 3p_{6,43} + 4p_{6,27} + 3p_{6,59} + 2p_{6,7} + 3p_{6,39} \\ & + 3p_{6,23} + 2p_{6,55} + 6p_{6,15} + 7p_{6,47} + p_{6,31}) \end{aligned}}$$

$$p_{8,0} = \frac{1}{2}p_{7,0} + \frac{1}{2}\sqrt{\begin{aligned} & p_{7,0}^2 - 4(2p_{7,0} + p_{6,16} + p_{7,48} + p_{7,8} + 2p_{6,40} + 2p_{7,88} + p_{7,56} \\ & + p_{7,4} + 2p_{7,36} + 3p_{7,100} + p_{7,20} + p_{7,116} + 2p_{7,76} + 2p_{7,108} + p_{6,60} \\ & + 2p_{7,34} + p_{7,98} + p_{7,82} + 4p_{7,114} + 3p_{7,10} + 2p_{7,74} + 2p_{7,42} \\ & + 4p_{7,106} + p_{6,26} + p_{7,58} + p_{7,6} + 2p_{7,70} + 2p_{7,38} + p_{6,22} + p_{7,118} \\ & + p_{7,14} + p_{7,110} + p_{7,30} + 2p_{7,94} + p_{7,1} + 4p_{7,65} + 2p_{6,33} + 2p_{7,73} \\ & + 2p_{7,41} + 3p_{7,105} + p_{6,25} + 5p_{7,57} + 2p_{7,121} + p_{7,37} + 2p_{7,101} \\ & + 2p_{7,117} + p_{7,45} + 2p_{7,109} + 3p_{7,29} + p_{6,61} + p_{7,3} + 2p_{7,67} + p_{6,35} \\ & + 2p_{7,83} + p_{6,51} + 2p_{7,59} + p_{7,123} + p_{7,7} + 2p_{7,103} + 2p_{7,87} + p_{7,119} \\ & + p_{7,15} + 2p_{7,79} + p_{6,47} + p_{7,95} + 2p_{6,63}) \end{aligned}}$$

$$p_{8,128} = \frac{1}{2}p_{7,0} - \frac{1}{2}\sqrt{\begin{aligned} & p_{7,0}^2 - 4(2p_{7,0} + p_{6,16} + p_{7,48} + p_{7,8} + 2p_{6,40} + 2p_{7,88} + p_{7,56} \\ & + p_{7,4} + 2p_{7,36} + 3p_{7,100} + p_{7,20} + p_{7,116} + 2p_{7,76} + 2p_{7,108} + p_{6,60} \\ & + 2p_{7,34} + p_{7,98} + p_{7,82} + 4p_{7,114} + 3p_{7,10} + 2p_{7,74} + 2p_{7,42} \\ & + 4p_{7,106} + p_{6,26} + p_{7,58} + p_{7,6} + 2p_{7,70} + 2p_{7,38} + p_{6,22} + p_{7,118} \\ & + p_{7,14} + p_{7,110} + p_{7,30} + 2p_{7,94} + p_{7,1} + 4p_{7,65} + 2p_{6,33} + 2p_{7,73} \\ & + 2p_{7,41} + 3p_{7,105} + p_{6,25} + 5p_{7,57} + 2p_{7,121} + p_{7,37} + 2p_{7,101} \\ & + 2p_{7,117} + p_{7,45} + 2p_{7,109} + 3p_{7,29} + p_{6,61} + p_{7,3} + 2p_{7,67} + p_{6,35} \\ & + 2p_{7,83} + p_{6,51} + 2p_{7,59} + p_{7,123} + p_{7,7} + 2p_{7,103} + 2p_{7,87} + p_{7,119} \\ & + p_{7,15} + 2p_{7,79} + p_{6,47} + p_{7,95} + 2p_{6,63}) \end{aligned}}$$

$$p_{8,64} = \frac{1}{2}p_{7,64} + \frac{1}{2}\sqrt{\begin{aligned} & p_{7,64}^2 - 4(2p_{7,64} + p_{6,16} + p_{7,112} + p_{7,72} + 2p_{6,40} + 2p_{7,24} \\ & + p_{7,120} + p_{7,68} + 3p_{7,36} + 2p_{7,100} + p_{7,84} + p_{7,52} + 2p_{7,12} + 2p_{7,44} \\ & + p_{6,60} + p_{7,34} + 2p_{7,98} + p_{7,18} + 4p_{7,50} + 2p_{7,10} + 3p_{7,74} + 4p_{7,42} \\ & + 2p_{7,106} + p_{6,26} + p_{7,122} + 2p_{7,6} + p_{7,70} + 2p_{7,102} + p_{6,22} + p_{7,54} \\ & + p_{7,78} + p_{7,46} + 2p_{7,30} + p_{7,94} + 4p_{7,1} + p_{7,65} + 2p_{6,33} + 2p_{7,9} \\ & + 3p_{7,41} + 2p_{7,105} + p_{6,25} + 2p_{7,57} + 5p_{7,121} + 2p_{7,37} + p_{7,101} \\ & + 2p_{7,53} + 2p_{7,45} + p_{7,109} + 3p_{7,93} + p_{6,61} + 2p_{7,3} + p_{7,67} + p_{6,35} \\ & + 2p_{7,19} + p_{6,51} + p_{7,59} + 2p_{7,123} + p_{7,71} + 2p_{7,39} + 2p_{7,23} + p_{7,55} \\ & + 2p_{7,15} + p_{7,79} + p_{6,47} + p_{7,31} + 2p_{6,63}) \end{aligned}}$$

$$p_{8,192} = \frac{1}{2}p_{7,64} - \frac{1}{2}\sqrt{\begin{aligned}&p_{7,64}^2 - 4(2p_{7,64} + p_{6,16} + p_{7,112} + p_{7,72} + 2p_{6,40} + 2p_{7,24}\\ &+ p_{7,120} + p_{7,68} + 3p_{7,36} + 2p_{7,100} + p_{7,84} + p_{7,52} + 2p_{7,12} + 2p_{7,44}\\ &+ p_{6,60} + p_{7,34} + 2p_{7,98} + p_{7,18} + 4p_{7,50} + 2p_{7,10} + 3p_{7,74} + 4p_{7,42}\\ &+ 2p_{7,106} + p_{6,26} + p_{7,122} + 2p_{7,6} + p_{7,70} + 2p_{7,102} + p_{6,22} + p_{7,54}\\ &+ p_{7,78} + p_{7,46} + 2p_{7,30} + p_{7,94} + 4p_{7,1} + p_{7,65} + 2p_{6,33} + 2p_{7,9}\\ &+ 3p_{7,41} + 2p_{7,105} + p_{6,25} + 2p_{7,57} + 5p_{7,121} + 2p_{7,37} + p_{7,101}\\ &+ 2p_{7,53} + 2p_{7,45} + p_{7,109} + 3p_{7,93} + p_{6,61} + 2p_{7,3} + p_{7,67} + p_{6,35}\\ &+ 2p_{7,19} + p_{6,51} + p_{7,59} + 2p_{7,123} + p_{7,71} + 2p_{7,39} + 2p_{7,23} + p_{7,55}\\ &+ 2p_{7,15} + p_{7,79} + p_{6,47} + p_{7,31} + 2p_{6,63})\end{aligned}}$$

$$p_{8,32} = \frac{1}{2}p_{7,32} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,32}^2 - 4(2p_{7,32} + p_{7,80} + p_{6,48} + 2p_{6,8} + p_{7,40} + p_{7,88}\\ &+ 2p_{7,120} + 3p_{7,4} + 2p_{7,68} + p_{7,36} + p_{7,20} + p_{7,52} + 2p_{7,12} + 2p_{7,108}\\ &+ p_{6,28} + p_{7,2} + 2p_{7,66} + 4p_{7,18} + p_{7,114} + 4p_{7,10} + 2p_{7,74} + 3p_{7,42}\\ &+ 2p_{7,106} + p_{7,90} + p_{6,58} + 2p_{7,70} + p_{7,38} + 2p_{7,102} + p_{7,22} + p_{6,54}\\ &+ p_{7,14} + p_{7,46} + p_{7,62} + 2p_{7,126} + 2p_{6,1} + p_{7,33} + 4p_{7,97} + 3p_{7,9}\\ &+ 2p_{7,73} + 2p_{7,105} + 2p_{7,25} + 5p_{7,89} + p_{6,57} + 2p_{7,5} + p_{7,69} + 2p_{7,21}\\ &+ 2p_{7,13} + p_{7,77} + p_{6,29} + 3p_{7,61} + p_{6,3} + p_{7,35} + 2p_{7,99} + p_{6,19}\\ &+ 2p_{7,115} + p_{7,27} + 2p_{7,91} + 2p_{7,7} + p_{7,39} + p_{7,23} + 2p_{7,119} + p_{6,15}\\ &+ p_{7,47} + 2p_{7,111} + 2p_{6,31} + p_{7,127})\end{aligned}}$$

$$p_{8,160} = \frac{1}{2}p_{7,32} - \frac{1}{2}\sqrt{\begin{aligned}&p_{7,32}^2 - 4(2p_{7,32} + p_{7,80} + p_{6,48} + 2p_{6,8} + p_{7,40} + p_{7,88}\\ &+ 2p_{7,120} + 3p_{7,4} + 2p_{7,68} + p_{7,36} + p_{7,20} + p_{7,52} + 2p_{7,12} + 2p_{7,108}\\ &+ p_{6,28} + p_{7,2} + 2p_{7,66} + 4p_{7,18} + p_{7,114} + 4p_{7,10} + 2p_{7,74} + 3p_{7,42}\\ &+ 2p_{7,106} + p_{7,90} + p_{6,58} + 2p_{7,70} + p_{7,38} + 2p_{7,102} + p_{7,22} + p_{6,54}\\ &+ p_{7,14} + p_{7,46} + p_{7,62} + 2p_{7,126} + 2p_{6,1} + p_{7,33} + 4p_{7,97} + 3p_{7,9}\\ &+ 2p_{7,73} + 2p_{7,105} + 2p_{7,25} + 5p_{7,89} + p_{6,57} + 2p_{7,5} + p_{7,69} + 2p_{7,21}\\ &+ 2p_{7,13} + p_{7,77} + p_{6,29} + 3p_{7,61} + p_{6,3} + p_{7,35} + 2p_{7,99} + p_{6,19}\\ &+ 2p_{7,115} + p_{7,27} + 2p_{7,91} + 2p_{7,7} + p_{7,39} + p_{7,23} + 2p_{7,119} + p_{6,15}\\ &+ p_{7,47} + 2p_{7,111} + 2p_{6,31} + p_{7,127})\end{aligned}}$$

$$p_{8,96} = \frac{1}{2}p_{7,96} - \frac{1}{2}\sqrt{\begin{aligned}&p_{7,96}^2 - 4(2p_{7,96} + p_{7,16} + p_{6,48} + 2p_{6,8} + p_{7,104} + p_{7,24}\\ &+ 2p_{7,56} + 2p_{7,4} + 3p_{7,68} + p_{7,100} + p_{7,84} + p_{7,116} + 2p_{7,76} + 2p_{7,44}\\ &+ p_{6,28} + 2p_{7,2} + p_{7,66} + 4p_{7,82} + p_{7,50} + 2p_{7,10} + 4p_{7,74} + 2p_{7,42}\\ &+ 3p_{7,106} + p_{7,26} + p_{6,58} + 2p_{7,6} + 2p_{7,38} + p_{7,102} + p_{7,86} + p_{6,54}\\ &+ p_{7,78} + p_{7,110} + 2p_{7,62} + p_{7,126} + 2p_{6,1} + 4p_{7,33} + p_{7,97} + 2p_{7,9}\\ &+ 3p_{7,73} + 2p_{7,41} + 5p_{7,25} + 2p_{7,89} + p_{6,57} + p_{7,5} + 2p_{7,69} + 2p_{7,85}\\ &+ p_{7,13} + 2p_{7,77} + p_{6,29} + 3p_{7,125} + p_{6,3} + 2p_{7,35} + p_{7,99} + p_{6,19}\\ &+ 2p_{7,51} + 2p_{7,27} + p_{7,91} + 2p_{7,71} + p_{7,103} + p_{7,87} + 2p_{7,55} + p_{6,15}\\ &+ 2p_{7,47} + p_{7,111} + 2p_{6,31} + p_{7,63})\end{aligned}}$$

$$p_{8,224} = \frac{1}{2}p_{7,96} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,96}^2 - 4(2p_{7,96} + p_{7,16} + p_{6,48} + 2p_{6,8} + p_{7,104} + p_{7,24}\\&+ 2p_{7,56} + 2p_{7,4} + 3p_{7,68} + p_{7,100} + p_{7,84} + p_{7,116} + 2p_{7,76} + 2p_{7,44}\\&+ p_{6,28} + 2p_{7,2} + p_{7,66} + 4p_{7,82} + p_{7,50} + 2p_{7,10} + 4p_{7,74} + 2p_{7,42}\\&+ 3p_{7,106} + p_{7,26} + p_{6,58} + 2p_{7,6} + 2p_{7,38} + p_{7,102} + p_{7,86} + p_{6,54}\\&+ p_{7,78} + p_{7,110} + 2p_{7,62} + p_{7,126} + 2p_{6,1} + 4p_{7,33} + p_{7,97} + 2p_{7,9}\\&+ 3p_{7,73} + 2p_{7,41} + 5p_{7,25} + 2p_{7,89} + p_{6,57} + p_{7,5} + 2p_{7,69} + 2p_{7,85}\\&+ p_{7,13} + 2p_{7,77} + p_{6,29} + 3p_{7,125} + p_{6,3} + 2p_{7,35} + p_{7,99} + p_{6,19}\\&+ 2p_{7,51} + 2p_{7,27} + p_{7,91} + 2p_{7,71} + p_{7,103} + p_{7,87} + 2p_{7,55} + p_{6,15}\\&+ 2p_{7,47} + p_{7,111} + 2p_{6,31} + p_{7,63})\end{aligned}}$$

$$p_{8,16} = \frac{1}{2}p_{7,16} - \frac{1}{2}\sqrt{\begin{aligned}&p_{7,16}^2 - 4(p_{7,64} + p_{6,32} + 2p_{7,16} + p_{7,72} + 2p_{7,104} + p_{7,24}\\&+ 2p_{6,56} + p_{7,4} + p_{7,36} + p_{7,20} + 2p_{7,52} + 3p_{7,116} + p_{6,12} + 2p_{7,92}\\&+ 2p_{7,124} + 4p_{7,2} + p_{7,98} + 2p_{7,50} + p_{7,114} + p_{7,74} + p_{6,42} + 3p_{7,26}\\&+ 2p_{7,90} + 2p_{7,58} + 4p_{7,122} + p_{7,6} + p_{6,38} + p_{7,22} + 2p_{7,86} + 2p_{7,54}\\&+ p_{7,46} + 2p_{7,110} + p_{7,30} + p_{7,126} + p_{7,17} + 4p_{7,81} + 2p_{6,49} + 2p_{7,9}\\&+ 5p_{7,73} + p_{6,41} + 2p_{7,89} + 2p_{7,57} + 3p_{7,121} + 2p_{7,5} + p_{7,53} + 2p_{7,117}\\&+ p_{6,13} + 3p_{7,45} + p_{7,61} + 2p_{7,125} + p_{6,3} + 2p_{7,99} + p_{7,19} + 2p_{7,83}\\&+ p_{6,51} + p_{7,11} + 2p_{7,75} + p_{7,7} + 2p_{7,103} + p_{7,23} + 2p_{7,119} + 2p_{6,15}\\&+ p_{7,111} + p_{7,31} + 2p_{7,95} + p_{6,63})\end{aligned}}$$

$$p_{8,144} = \frac{1}{2}p_{7,16} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,16}^2 - 4(p_{7,64} + p_{6,32} + 2p_{7,16} + p_{7,72} + 2p_{7,104} + p_{7,24}\\&+ 2p_{6,56} + p_{7,4} + p_{7,36} + p_{7,20} + 2p_{7,52} + 3p_{7,116} + p_{6,12} + 2p_{7,92}\\&+ 2p_{7,124} + 4p_{7,2} + p_{7,98} + 2p_{7,50} + p_{7,114} + p_{7,74} + p_{6,42} + 3p_{7,26}\\&+ 2p_{7,90} + 2p_{7,58} + 4p_{7,122} + p_{7,6} + p_{6,38} + p_{7,22} + 2p_{7,86} + 2p_{7,54}\\&+ p_{7,46} + 2p_{7,110} + p_{7,30} + p_{7,126} + p_{7,17} + 4p_{7,81} + 2p_{6,49} + 2p_{7,9}\\&+ 5p_{7,73} + p_{6,41} + 2p_{7,89} + 2p_{7,57} + 3p_{7,121} + 2p_{7,5} + p_{7,53} + 2p_{7,117}\\&+ p_{6,13} + 3p_{7,45} + p_{7,61} + 2p_{7,125} + p_{6,3} + 2p_{7,99} + p_{7,19} + 2p_{7,83}\\&+ p_{6,51} + p_{7,11} + 2p_{7,75} + p_{7,7} + 2p_{7,103} + p_{7,23} + 2p_{7,119} + 2p_{6,15}\\&+ p_{7,111} + p_{7,31} + 2p_{7,95} + p_{6,63})\end{aligned}}$$

$$p_{8,80} = \frac{1}{2}p_{7,80} - \frac{1}{2}\sqrt{\begin{aligned}&p_{7,80}^2 - 4(p_{7,0} + p_{6,32} + 2p_{7,80} + p_{7,8} + 2p_{7,40} + p_{7,88}\\&+ 2p_{6,56} + p_{7,68} + p_{7,100} + p_{7,84} + 3p_{7,52} + 2p_{7,116} + p_{6,12} + 2p_{7,28}\\&+ 2p_{7,60} + 4p_{7,66} + p_{7,34} + p_{7,50} + 2p_{7,114} + p_{7,10} + p_{6,42} + 2p_{7,26}\\&+ 3p_{7,90} + 4p_{7,58} + 2p_{7,122} + p_{7,70} + p_{6,38} + 2p_{7,22} + p_{7,86} + 2p_{7,118}\\&+ 2p_{7,46} + p_{7,110} + p_{7,94} + p_{7,62} + 4p_{7,17} + p_{7,81} + 2p_{6,49} + 5p_{7,9}\\&+ 2p_{7,73} + p_{6,41} + 2p_{7,25} + 3p_{7,57} + 2p_{7,121} + 2p_{7,69} + 2p_{7,53}\\&+ p_{7,117} + p_{6,13} + 3p_{7,109} + 2p_{7,61} + p_{7,125} + p_{6,3} + 2p_{7,35} + 2p_{7,19}\\&+ p_{7,83} + p_{6,51} + 2p_{7,11} + p_{7,75} + p_{7,71} + 2p_{7,39} + p_{7,87} + 2p_{7,55}\\&+ 2p_{6,15} + p_{7,47} + 2p_{7,31} + p_{7,95} + p_{6,63})\end{aligned}}$$

$$p_{8,208} = \frac{1}{2}p_{7,80} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,80}^2 - 4(p_{7,0} + p_{6,32} + 2p_{7,80} + p_{7,8} + 2p_{7,40} + p_{7,88}\\ &+ 2p_{6,56} + p_{7,68} + p_{7,100} + p_{7,84} + 3p_{7,52} + 2p_{7,116} + p_{6,12} + 2p_{7,28}\\ &+ 2p_{7,60} + 4p_{7,66} + p_{7,34} + p_{7,50} + 2p_{7,114} + p_{7,10} + p_{6,42} + 2p_{7,26}\\ &+ 3p_{7,90} + 4p_{7,58} + 2p_{7,122} + p_{7,70} + p_{6,38} + 2p_{7,22} + p_{7,86} + 2p_{7,118}\\ &+ 2p_{7,46} + p_{7,110} + p_{7,94} + p_{7,62} + 4p_{7,17} + p_{7,81} + 2p_{6,49} + 5p_{7,9}\\ &+ 2p_{7,73} + p_{6,41} + 2p_{7,25} + 3p_{7,57} + 2p_{7,121} + 2p_{7,69} + 2p_{7,53}\\ &+ p_{7,117} + p_{6,13} + 3p_{7,109} + 2p_{7,61} + p_{7,125} + p_{6,3} + 2p_{7,35} + 2p_{7,19}\\ &+ p_{7,83} + p_{6,51} + 2p_{7,11} + p_{7,75} + p_{7,71} + 2p_{7,39} + p_{7,87} + 2p_{7,55}\\ &+ 2p_{6,15} + p_{7,47} + 2p_{7,31} + p_{7,95} + p_{6,63})\end{aligned}}$$

$$p_{8,48} = \frac{1}{2}p_{7,48} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,48}^2 - 4(p_{6,0} + p_{7,96} + 2p_{7,48} + 2p_{7,8} + p_{7,104} + 2p_{6,24}\\ &+ p_{7,56} + p_{7,68} + p_{7,36} + 3p_{7,20} + 2p_{7,84} + p_{7,52} + p_{6,44} + 2p_{7,28}\\ &+ 2p_{7,124} + p_{7,2} + 4p_{7,34} + p_{7,18} + 2p_{7,82} + p_{6,10} + p_{7,106} + 4p_{7,26}\\ &+ 2p_{7,90} + 3p_{7,58} + 2p_{7,122} + p_{6,6} + p_{7,38} + 2p_{7,86} + p_{7,54} + 2p_{7,118}\\ &+ 2p_{7,14} + p_{7,78} + p_{7,30} + p_{7,62} + 2p_{6,17} + p_{7,49} + 4p_{7,113} + p_{6,9}\\ &+ 2p_{7,41} + 5p_{7,105} + 3p_{7,25} + 2p_{7,89} + 2p_{7,121} + 2p_{7,37} + 2p_{7,21}\\ &+ p_{7,85} + 3p_{7,77} + p_{6,45} + 2p_{7,29} + p_{7,93} + 2p_{7,3} + p_{6,35} + p_{6,19}\\ &+ p_{7,51} + 2p_{7,115} + p_{7,43} + 2p_{7,107} + 2p_{7,7} + p_{7,39} + 2p_{7,23} + p_{7,55}\\ &+ p_{7,15} + 2p_{6,47} + p_{6,31} + p_{7,63} + 2p_{7,127})\end{aligned}}$$

$$p_{8,176} = \frac{1}{2}p_{7,48} - \frac{1}{2}\sqrt{\begin{aligned}&p_{7,48}^2 - 4(p_{6,0} + p_{7,96} + 2p_{7,48} + 2p_{7,8} + p_{7,104} + 2p_{6,24}\\ &+ p_{7,56} + p_{7,68} + p_{7,36} + 3p_{7,20} + 2p_{7,84} + p_{7,52} + p_{6,44} + 2p_{7,28}\\ &+ 2p_{7,124} + p_{7,2} + 4p_{7,34} + p_{7,18} + 2p_{7,82} + p_{6,10} + p_{7,106} + 4p_{7,26}\\ &+ 2p_{7,90} + 3p_{7,58} + 2p_{7,122} + p_{6,6} + p_{7,38} + 2p_{7,86} + p_{7,54} + 2p_{7,118}\\ &+ 2p_{7,14} + p_{7,78} + p_{7,30} + p_{7,62} + 2p_{6,17} + p_{7,49} + 4p_{7,113} + p_{6,9}\\ &+ 2p_{7,41} + 5p_{7,105} + 3p_{7,25} + 2p_{7,89} + 2p_{7,121} + 2p_{7,37} + 2p_{7,21}\\ &+ p_{7,85} + 3p_{7,77} + p_{6,45} + 2p_{7,29} + p_{7,93} + 2p_{7,3} + p_{6,35} + p_{6,19}\\ &+ p_{7,51} + 2p_{7,115} + p_{7,43} + 2p_{7,107} + 2p_{7,7} + p_{7,39} + 2p_{7,23} + p_{7,55}\\ &+ p_{7,15} + 2p_{6,47} + p_{6,31} + p_{7,63} + 2p_{7,127})\end{aligned}}$$

$$p_{8,112} = \frac{1}{2}p_{7,112} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,112}^2 - 4(p_{6,0} + p_{7,32} + 2p_{7,112} + 2p_{7,72} + p_{7,40} + 2p_{6,24}\\ &+ p_{7,120} + p_{7,4} + p_{7,100} + 2p_{7,20} + 3p_{7,84} + p_{7,116} + p_{6,44} + 2p_{7,92}\\ &+ 2p_{7,60} + p_{7,66} + 4p_{7,98} + 2p_{7,18} + p_{7,82} + p_{6,10} + p_{7,42} + 2p_{7,26}\\ &+ 4p_{7,90} + 2p_{7,58} + 3p_{7,122} + p_{6,6} + p_{7,102} + 2p_{7,22} + 2p_{7,54} + p_{7,118}\\ &+ p_{7,14} + 2p_{7,78} + p_{7,94} + p_{7,126} + 2p_{6,17} + 4p_{7,49} + p_{7,113} + p_{6,9}\\ &+ 5p_{7,41} + 2p_{7,105} + 2p_{7,25} + 3p_{7,89} + 2p_{7,57} + 2p_{7,101} + p_{7,21}\\ &+ 2p_{7,85} + 3p_{7,13} + p_{6,45} + p_{7,29} + 2p_{7,93} + 2p_{7,67} + p_{6,35} + p_{6,19}\\ &+ 2p_{7,51} + p_{7,115} + 2p_{7,43} + p_{7,107} + 2p_{7,71} + p_{7,103} + 2p_{7,87}\\ &+ p_{7,119} + p_{7,79} + 2p_{6,47} + p_{6,31} + 2p_{7,63} + p_{7,127})\end{aligned}}$$

$$p_{8,240} = \frac{1}{2}p_{7,112} - \frac{1}{2}\sqrt{\begin{aligned}&p_{7,112}^2 - 4(p_{6,0} + p_{7,32} + 2p_{7,112} + 2p_{7,72} + p_{7,40} + 2p_{6,24}\\ &+ p_{7,120} + p_{7,4} + p_{7,100} + 2p_{7,20} + 3p_{7,84} + p_{7,116} + p_{6,44} + 2p_{7,92}\\ &+ 2p_{7,60} + p_{7,66} + 4p_{7,98} + 2p_{7,18} + p_{7,82} + p_{6,10} + p_{7,42} + 2p_{7,26}\\ &+ 4p_{7,90} + 2p_{7,58} + 3p_{7,122} + p_{6,6} + p_{7,102} + 2p_{7,22} + 2p_{7,54} + p_{7,118}\\ &+ p_{7,14} + 2p_{7,78} + p_{7,94} + p_{7,126} + 2p_{6,17} + 4p_{7,49} + p_{7,113} + p_{6,9}\\ &+ 5p_{7,41} + 2p_{7,105} + 2p_{7,25} + 3p_{7,89} + 2p_{7,57} + 2p_{7,101} + p_{7,21}\\ &+ 2p_{7,85} + 3p_{7,13} + p_{6,45} + p_{7,29} + 2p_{7,93} + 2p_{7,67} + p_{6,35} + p_{6,19}\\ &+ 2p_{7,51} + p_{7,115} + 2p_{7,43} + p_{7,107} + 2p_{7,71} + p_{7,103} + 2p_{7,87}\\ &+ p_{7,119} + p_{7,79} + 2p_{6,47} + p_{6,31} + 2p_{7,63} + p_{7,127})\end{aligned}}$$

$$p_{8,8} = \frac{1}{2}p_{7,8} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,8}^2 - 4(p_{7,64} + 2p_{7,96} + p_{7,16} + 2p_{6,48} + 2p_{7,8} + p_{6,24}\\ &+ p_{7,56} + p_{6,4} + 2p_{7,84} + 2p_{7,116} + p_{7,12} + 2p_{7,44} + 3p_{7,108} + p_{7,28}\\ &+ p_{7,124} + p_{7,66} + p_{6,34} + 3p_{7,18} + 2p_{7,82} + 2p_{7,50} + 4p_{7,114} + 2p_{7,42}\\ &+ p_{7,106} + p_{7,90} + 4p_{7,122} + p_{7,38} + 2p_{7,102} + p_{7,22} + p_{7,118} + p_{7,14}\\ &+ 2p_{7,78} + 2p_{7,46} + p_{6,30} + p_{7,126} + 2p_{7,1} + 5p_{7,65} + p_{6,33} + 2p_{7,81}\\ &+ 2p_{7,49} + 3p_{7,113} + p_{7,9} + 4p_{7,73} + 2p_{6,41} + p_{6,5} + 3p_{7,37} + p_{7,53}\\ &+ 2p_{7,117} + p_{7,45} + 2p_{7,109} + 2p_{7,125} + p_{7,3} + 2p_{7,67} + p_{7,11} + 2p_{7,75}\\ &+ p_{6,43} + 2p_{7,91} + p_{6,59} + 2p_{6,7} + p_{7,103} + p_{7,23} + 2p_{7,87} + p_{6,55}\\ &+ p_{7,15} + 2p_{7,111} + 2p_{7,95} + p_{7,127})\end{aligned}}$$

$$p_{8,136} = \frac{1}{2}p_{7,8} - \frac{1}{2}\sqrt{\begin{aligned}&p_{7,8}^2 - 4(p_{7,64} + 2p_{7,96} + p_{7,16} + 2p_{6,48} + 2p_{7,8} + p_{6,24}\\ &+ p_{7,56} + p_{6,4} + 2p_{7,84} + 2p_{7,116} + p_{7,12} + 2p_{7,44} + 3p_{7,108} + p_{7,28}\\ &+ p_{7,124} + p_{7,66} + p_{6,34} + 3p_{7,18} + 2p_{7,82} + 2p_{7,50} + 4p_{7,114} + 2p_{7,42}\\ &+ p_{7,106} + p_{7,90} + 4p_{7,122} + p_{7,38} + 2p_{7,102} + p_{7,22} + p_{7,118} + p_{7,14}\\ &+ 2p_{7,78} + 2p_{7,46} + p_{6,30} + p_{7,126} + 2p_{7,1} + 5p_{7,65} + p_{6,33} + 2p_{7,81}\\ &+ 2p_{7,49} + 3p_{7,113} + p_{7,9} + 4p_{7,73} + 2p_{6,41} + p_{6,5} + 3p_{7,37} + p_{7,53}\\ &+ 2p_{7,117} + p_{7,45} + 2p_{7,109} + 2p_{7,125} + p_{7,3} + 2p_{7,67} + p_{7,11} + 2p_{7,75}\\ &+ p_{6,43} + 2p_{7,91} + p_{6,59} + 2p_{6,7} + p_{7,103} + p_{7,23} + 2p_{7,87} + p_{6,55}\\ &+ p_{7,15} + 2p_{7,111} + 2p_{7,95} + p_{7,127})\end{aligned}}$$

$$p_{8,72} = \frac{1}{2}p_{7,72} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,72}^2 - 4(p_{7,0} + 2p_{7,32} + p_{7,80} + 2p_{6,48} + 2p_{7,72} + p_{6,24}\\ &+ p_{7,120} + p_{6,4} + 2p_{7,20} + 2p_{7,52} + p_{7,76} + 3p_{7,44} + 2p_{7,108} + p_{7,92}\\ &+ p_{7,60} + p_{7,2} + p_{6,34} + 2p_{7,18} + 3p_{7,82} + 4p_{7,50} + 2p_{7,114} + p_{7,42}\\ &+ 2p_{7,106} + p_{7,26} + 4p_{7,58} + 2p_{7,38} + p_{7,102} + p_{7,86} + p_{7,54} + 2p_{7,14}\\ &+ p_{7,78} + 2p_{7,110} + p_{6,30} + p_{7,62} + 5p_{7,1} + 2p_{7,65} + p_{6,33} + 2p_{7,17}\\ &+ 3p_{7,49} + 2p_{7,113} + 4p_{7,9} + p_{7,73} + 2p_{6,41} + p_{6,5} + 3p_{7,101} + 2p_{7,53}\\ &+ p_{7,117} + 2p_{7,45} + p_{7,109} + 2p_{7,61} + 2p_{7,3} + p_{7,67} + 2p_{7,11} + p_{7,75}\\ &+ p_{6,43} + 2p_{7,27} + p_{6,59} + 2p_{6,7} + p_{7,39} + 2p_{7,23} + p_{7,87} + p_{6,55}\\ &+ p_{7,79} + 2p_{7,47} + 2p_{7,31} + p_{7,63})\end{aligned}}$$

$$p_{8,200} = \frac{1}{2}p_{7,72} - \frac{1}{2}\sqrt{\begin{aligned}&p_{7,72}^2 - 4(p_{7,0} + 2p_{7,32} + p_{7,80} + 2p_{6,48} + 2p_{7,72} + p_{6,24}\\ &+ p_{7,120} + p_{6,4} + 2p_{7,20} + 2p_{7,52} + p_{7,76} + 3p_{7,44} + 2p_{7,108} + p_{7,92}\\ &+ p_{7,60} + p_{7,2} + p_{6,34} + 2p_{7,18} + 3p_{7,82} + 4p_{7,50} + 2p_{7,114} + p_{7,42}\\ &+ 2p_{7,106} + p_{7,26} + 4p_{7,58} + 2p_{7,38} + p_{7,102} + p_{7,86} + p_{7,54} + 2p_{7,14}\\ &+ p_{7,78} + 2p_{7,110} + p_{6,30} + p_{7,62} + 5p_{7,1} + 2p_{7,65} + p_{6,33} + 2p_{7,17}\\ &+ 3p_{7,49} + 2p_{7,113} + 4p_{7,9} + p_{7,73} + 2p_{6,41} + p_{6,5} + 3p_{7,101} + 2p_{7,53}\\ &+ p_{7,117} + 2p_{7,45} + p_{7,109} + 2p_{7,61} + 2p_{7,3} + p_{7,67} + 2p_{7,11} + p_{7,75}\\ &+ p_{6,43} + 2p_{7,27} + p_{6,59} + 2p_{6,7} + p_{7,39} + 2p_{7,23} + p_{7,87} + p_{6,55}\\ &+ p_{7,79} + 2p_{7,47} + 2p_{7,31} + p_{7,63})\end{aligned}}$$

$$p_{8,40} = \frac{1}{2}p_{7,40} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,40}^2 - 4(2p_{7,0} + p_{7,96} + 2p_{6,16} + p_{7,48} + 2p_{7,40} + p_{7,88}\\ &+ p_{6,56} + p_{6,36} + 2p_{7,20} + 2p_{7,116} + 3p_{7,12} + 2p_{7,76} + p_{7,44} + p_{7,28}\\ &+ p_{7,60} + p_{6,2} + p_{7,98} + 4p_{7,18} + 2p_{7,82} + 3p_{7,50} + 2p_{7,114} + p_{7,10}\\ &+ 2p_{7,74} + 4p_{7,26} + p_{7,122} + 2p_{7,6} + p_{7,70} + p_{7,22} + p_{7,54} + 2p_{7,78}\\ &+ p_{7,46} + 2p_{7,110} + p_{7,30} + p_{6,62} + p_{6,1} + 2p_{7,33} + 5p_{7,97} + 3p_{7,17}\\ &+ 2p_{7,81} + 2p_{7,113} + 2p_{6,9} + p_{7,41} + 4p_{7,105} + 3p_{7,69} + p_{6,37}\\ &+ 2p_{7,21} + p_{7,85} + 2p_{7,13} + p_{7,77} + 2p_{7,29} + p_{7,35} + 2p_{7,99} + p_{6,11}\\ &+ p_{7,43} + 2p_{7,107} + p_{6,27} + 2p_{7,123} + p_{7,7} + 2p_{6,39} + p_{6,23} + p_{7,55}\\ &+ 2p_{7,119} + 2p_{7,15} + p_{7,47} + p_{7,31} + 2p_{7,127})\end{aligned}}$$

$$p_{8,168} = \frac{1}{2}p_{7,40} - \frac{1}{2}\sqrt{\begin{aligned}&p_{7,40}^2 - 4(2p_{7,0} + p_{7,96} + 2p_{6,16} + p_{7,48} + 2p_{7,40} + p_{7,88}\\ &+ p_{6,56} + p_{6,36} + 2p_{7,20} + 2p_{7,116} + 3p_{7,12} + 2p_{7,76} + p_{7,44} + p_{7,28}\\ &+ p_{7,60} + p_{6,2} + p_{7,98} + 4p_{7,18} + 2p_{7,82} + 3p_{7,50} + 2p_{7,114} + p_{7,10}\\ &+ 2p_{7,74} + 4p_{7,26} + p_{7,122} + 2p_{7,6} + p_{7,70} + p_{7,22} + p_{7,54} + 2p_{7,78}\\ &+ p_{7,46} + 2p_{7,110} + p_{7,30} + p_{6,62} + p_{6,1} + 2p_{7,33} + 5p_{7,97} + 3p_{7,17}\\ &+ 2p_{7,81} + 2p_{7,113} + 2p_{6,9} + p_{7,41} + 4p_{7,105} + 3p_{7,69} + p_{6,37}\\ &+ 2p_{7,21} + p_{7,85} + 2p_{7,13} + p_{7,77} + 2p_{7,29} + p_{7,35} + 2p_{7,99} + p_{6,11}\\ &+ p_{7,43} + 2p_{7,107} + p_{6,27} + 2p_{7,123} + p_{7,7} + 2p_{6,39} + p_{6,23} + p_{7,55}\\ &+ 2p_{7,119} + 2p_{7,15} + p_{7,47} + p_{7,31} + 2p_{7,127})\end{aligned}}$$

$$p_{8,104} = \frac{1}{2}p_{7,104} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,104}^2 - 4(2p_{7,64} + p_{7,32} + 2p_{6,16} + p_{7,112} + 2p_{7,104} + p_{7,24}\\ &+ p_{6,56} + p_{6,36} + 2p_{7,84} + 2p_{7,52} + 2p_{7,12} + 3p_{7,76} + p_{7,108} + p_{7,92}\\ &+ p_{7,124} + p_{6,2} + p_{7,34} + 2p_{7,18} + 4p_{7,82} + 2p_{7,50} + 3p_{7,114} + 2p_{7,10}\\ &+ p_{7,74} + 4p_{7,90} + p_{7,58} + p_{7,6} + 2p_{7,70} + p_{7,86} + p_{7,118} + 2p_{7,14}\\ &+ 2p_{7,46} + p_{7,110} + p_{7,94} + p_{6,62} + p_{6,1} + 5p_{7,33} + 2p_{7,97} + 2p_{7,17}\\ &+ 3p_{7,81} + 2p_{7,49} + 2p_{6,9} + 4p_{7,41} + p_{7,105} + 3p_{7,5} + p_{6,37} + p_{7,21}\\ &+ 2p_{7,85} + p_{7,13} + 2p_{7,77} + 2p_{7,93} + 2p_{7,35} + p_{7,99} + p_{6,11} + 2p_{7,43}\\ &+ p_{7,107} + p_{6,27} + 2p_{7,59} + p_{7,71} + 2p_{6,39} + p_{6,23} + 2p_{7,55} + p_{7,119}\\ &+ 2p_{7,79} + p_{7,111} + p_{7,95} + 2p_{7,63})\end{aligned}}$$

$$p_{8,232} = \frac{1}{2}p_{7,104} - \frac{1}{2}\sqrt{\begin{aligned}&p_{7,104}^2 - 4(2p_{7,64} + p_{7,32} + 2p_{6,16} + p_{7,112} + 2p_{7,104} + p_{7,24}\\ &+ p_{6,56} + p_{6,36} + 2p_{7,84} + 2p_{7,52} + 2p_{7,12} + 3p_{7,76} + p_{7,108} + p_{7,92}\\ &+ p_{7,124} + p_{6,2} + p_{7,34} + 2p_{7,18} + 4p_{7,82} + 2p_{7,50} + 3p_{7,114} + 2p_{7,10}\\ &+ p_{7,74} + 4p_{7,90} + p_{7,58} + p_{7,6} + 2p_{7,70} + p_{7,86} + p_{7,118} + 2p_{7,14}\\ &+ 2p_{7,46} + p_{7,110} + p_{7,94} + p_{6,62} + p_{6,1} + 5p_{7,33} + 2p_{7,97} + 2p_{7,17}\\ &+ 3p_{7,81} + 2p_{7,49} + 2p_{6,9} + 4p_{7,41} + p_{7,105} + 3p_{7,5} + p_{6,37} + p_{7,21}\\ &+ 2p_{7,85} + p_{7,13} + 2p_{7,77} + 2p_{7,93} + 2p_{7,35} + p_{7,99} + p_{6,11} + 2p_{7,43}\\ &+ p_{7,107} + p_{6,27} + 2p_{7,59} + p_{7,71} + 2p_{6,39} + p_{6,23} + 2p_{7,55} + p_{7,119}\\ &+ 2p_{7,79} + p_{7,111} + p_{7,95} + 2p_{7,63})\end{aligned}}$$

$$p_{8,24} = \frac{1}{2}p_{7,24} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,24}^2 - 4(2p_{6,0} + p_{7,32} + p_{7,80} + 2p_{7,112} + p_{7,72} + p_{6,40}\\ &+ 2p_{7,24} + 2p_{7,4} + 2p_{7,100} + p_{6,20} + p_{7,12} + p_{7,44} + p_{7,28} + 2p_{7,60}\\ &+ 3p_{7,124} + 4p_{7,2} + 2p_{7,66} + 3p_{7,34} + 2p_{7,98} + p_{7,82} + p_{6,50} + 4p_{7,10}\\ &+ p_{7,106} + 2p_{7,58} + p_{7,122} + p_{7,6} + p_{7,38} + p_{7,54} + 2p_{7,118} + p_{7,14}\\ &+ p_{6,46} + p_{7,30} + 2p_{7,94} + 2p_{7,62} + 3p_{7,1} + 2p_{7,65} + 2p_{7,97} + 2p_{7,17}\\ &+ 5p_{7,81} + p_{6,49} + p_{7,25} + 4p_{7,89} + 2p_{6,57} + 2p_{7,5} + p_{7,69} + p_{6,21}\\ &+ 3p_{7,53} + 2p_{7,13} + p_{7,61} + 2p_{7,125} + p_{7,19} + 2p_{7,83} + p_{6,11} + 2p_{7,107}\\ &+ p_{7,27} + 2p_{7,91} + p_{6,59} + p_{6,7} + p_{7,39} + 2p_{7,103} + 2p_{6,23} + p_{7,119}\\ &+ p_{7,15} + 2p_{7,111} + p_{7,31} + 2p_{7,127})\end{aligned}}$$

$$p_{8,152} = \frac{1}{2}p_{7,24} - \frac{1}{2}\sqrt{\begin{aligned}&p_{7,24}^2 - 4(2p_{6,0} + p_{7,32} + p_{7,80} + 2p_{7,112} + p_{7,72} + p_{6,40}\\ &+ 2p_{7,24} + 2p_{7,4} + 2p_{7,100} + p_{6,20} + p_{7,12} + p_{7,44} + p_{7,28} + 2p_{7,60}\\ &+ 3p_{7,124} + 4p_{7,2} + 2p_{7,66} + 3p_{7,34} + 2p_{7,98} + p_{7,82} + p_{6,50} + 4p_{7,10}\\ &+ p_{7,106} + 2p_{7,58} + p_{7,122} + p_{7,6} + p_{7,38} + p_{7,54} + 2p_{7,118} + p_{7,14}\\ &+ p_{6,46} + p_{7,30} + 2p_{7,94} + 2p_{7,62} + 3p_{7,1} + 2p_{7,65} + 2p_{7,97} + 2p_{7,17}\\ &+ 5p_{7,81} + p_{6,49} + p_{7,25} + 4p_{7,89} + 2p_{6,57} + 2p_{7,5} + p_{7,69} + p_{6,21}\\ &+ 3p_{7,53} + 2p_{7,13} + p_{7,61} + 2p_{7,125} + p_{7,19} + 2p_{7,83} + p_{6,11} + 2p_{7,107}\\ &+ p_{7,27} + 2p_{7,91} + p_{6,59} + p_{6,7} + p_{7,39} + 2p_{7,103} + 2p_{6,23} + p_{7,119}\\ &+ p_{7,15} + 2p_{7,111} + p_{7,31} + 2p_{7,127})\end{aligned}}$$

$$p_{8,88} = \frac{1}{2}p_{7,88} - \frac{1}{2}\sqrt{\begin{aligned}&p_{7,88}^2 - 4(2p_{6,0} + p_{7,96} + p_{7,16} + 2p_{7,48} + p_{7,8} + p_{6,40}\\ &+ 2p_{7,88} + 2p_{7,68} + 2p_{7,36} + p_{6,20} + p_{7,76} + p_{7,108} + p_{7,92} + 3p_{7,60}\\ &+ 2p_{7,124} + 2p_{7,2} + 4p_{7,66} + 2p_{7,34} + 3p_{7,98} + p_{7,18} + p_{6,50} + 4p_{7,74}\\ &+ p_{7,42} + p_{7,58} + 2p_{7,122} + p_{7,70} + p_{7,102} + 2p_{7,54} + p_{7,118} + p_{7,78}\\ &+ p_{6,46} + 2p_{7,30} + p_{7,94} + 2p_{7,126} + 2p_{7,1} + 3p_{7,65} + 2p_{7,33} + 5p_{7,17}\\ &+ 2p_{7,81} + p_{6,49} + 4p_{7,25} + p_{7,89} + 2p_{6,57} + p_{7,5} + 2p_{7,69} + p_{6,21}\\ &+ 3p_{7,117} + 2p_{7,77} + 2p_{7,61} + p_{7,125} + 2p_{7,19} + p_{7,83} + p_{6,11}\\ &+ 2p_{7,43} + 2p_{7,27} + p_{7,91} + p_{6,59} + p_{6,7} + 2p_{7,39} + p_{7,103} + 2p_{6,23}\\ &+ p_{7,55} + p_{7,79} + 2p_{7,47} + p_{7,95} + 2p_{7,63})\end{aligned}}$$

$$p_{8,216} = \frac{1}{2}p_{7,88} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,88}^2 - 4(2p_{6,0} + p_{7,96} + p_{7,16} + 2p_{7,48} + p_{7,8} + p_{6,40}\\&+ 2p_{7,88} + 2p_{7,68} + 2p_{7,36} + p_{6,20} + p_{7,76} + p_{7,108} + p_{7,92} + 3p_{7,60}\\&+ 2p_{7,124} + 2p_{7,2} + 4p_{7,66} + 2p_{7,34} + 3p_{7,98} + p_{7,18} + p_{6,50} + 4p_{7,74}\\&+ p_{7,42} + p_{7,58} + 2p_{7,122} + p_{7,70} + p_{7,102} + 2p_{7,54} + p_{7,118} + p_{7,78}\\&+ p_{6,46} + 2p_{7,30} + p_{7,94} + 2p_{7,126} + 2p_{7,1} + 3p_{7,65} + 2p_{7,33} + 5p_{7,17}\\&+ 2p_{7,81} + p_{6,49} + 4p_{7,25} + p_{7,89} + 2p_{6,57} + p_{7,5} + 2p_{7,69} + p_{6,21}\\&+ 3p_{7,117} + 2p_{7,77} + 2p_{7,61} + p_{7,125} + 2p_{7,19} + p_{7,83} + p_{6,11}\\&+ 2p_{7,43} + 2p_{7,27} + p_{7,91} + p_{6,59} + p_{6,7} + 2p_{7,39} + p_{7,103} + 2p_{6,23}\\&+ p_{7,55} + p_{7,79} + 2p_{7,47} + p_{7,95} + 2p_{7,63})\end{aligned}}$$

$$p_{8,56} = \frac{1}{2}p_{7,56} - \frac{1}{2}\sqrt{\begin{aligned}&p_{7,56}^2 - 4(p_{7,64} + 2p_{6,32} + 2p_{7,16} + p_{7,112} + p_{6,8} + p_{7,104}\\&+ 2p_{7,56} + 2p_{7,4} + 2p_{7,36} + p_{6,52} + p_{7,76} + p_{7,44} + 3p_{7,28} + 2p_{7,92}\\&+ p_{7,60} + 2p_{7,2} + 3p_{7,66} + 4p_{7,34} + 2p_{7,98} + p_{6,18} + p_{7,114} + p_{7,10}\\&+ 4p_{7,42} + p_{7,26} + 2p_{7,90} + p_{7,70} + p_{7,38} + 2p_{7,22} + p_{7,86} + p_{6,14}\\&+ p_{7,46} + 2p_{7,94} + p_{7,62} + 2p_{7,126} + 2p_{7,1} + 3p_{7,33} + 2p_{7,97} + p_{6,17}\\&+ 2p_{7,49} + 5p_{7,113} + 2p_{6,25} + p_{7,57} + 4p_{7,121} + 2p_{7,37} + p_{7,101}\\&+ 3p_{7,85} + p_{6,53} + 2p_{7,45} + 2p_{7,29} + p_{7,93} + p_{7,51} + 2p_{7,115} + 2p_{7,11}\\&+ p_{6,43} + p_{6,27} + p_{7,59} + 2p_{7,123} + 2p_{7,7} + p_{7,71} + p_{6,39} + p_{7,23}\\&+ 2p_{6,55} + 2p_{7,15} + p_{7,47} + 2p_{7,31} + p_{7,63})\end{aligned}}$$

$$p_{8,184} = \frac{1}{2}p_{7,56} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,56}^2 - 4(p_{7,64} + 2p_{6,32} + 2p_{7,16} + p_{7,112} + p_{6,8} + p_{7,104}\\&+ 2p_{7,56} + 2p_{7,4} + 2p_{7,36} + p_{6,52} + p_{7,76} + p_{7,44} + 3p_{7,28} + 2p_{7,92}\\&+ p_{7,60} + 2p_{7,2} + 3p_{7,66} + 4p_{7,34} + 2p_{7,98} + p_{6,18} + p_{7,114} + p_{7,10}\\&+ 4p_{7,42} + p_{7,26} + 2p_{7,90} + p_{7,70} + p_{7,38} + 2p_{7,22} + p_{7,86} + p_{6,14}\\&+ p_{7,46} + 2p_{7,94} + p_{7,62} + 2p_{7,126} + 2p_{7,1} + 3p_{7,33} + 2p_{7,97} + p_{6,17}\\&+ 2p_{7,49} + 5p_{7,113} + 2p_{6,25} + p_{7,57} + 4p_{7,121} + 2p_{7,37} + p_{7,101}\\&+ 3p_{7,85} + p_{6,53} + 2p_{7,45} + 2p_{7,29} + p_{7,93} + p_{7,51} + 2p_{7,115} + 2p_{7,11}\\&+ p_{6,43} + p_{6,27} + p_{7,59} + 2p_{7,123} + 2p_{7,7} + p_{7,71} + p_{6,39} + p_{7,23}\\&+ 2p_{6,55} + 2p_{7,15} + p_{7,47} + 2p_{7,31} + p_{7,63})\end{aligned}}$$

$$p_{8,120} = \frac{1}{2}p_{7,120} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,120}^2 - 4(p_{7,0} + 2p_{6,32} + 2p_{7,80} + p_{7,48} + p_{6,8} + p_{7,40}\\&+ 2p_{7,120} + 2p_{7,68} + 2p_{7,100} + p_{6,52} + p_{7,12} + p_{7,108} + 2p_{7,28}\\&+ 3p_{7,92} + p_{7,124} + 3p_{7,2} + 2p_{7,66} + 2p_{7,34} + 4p_{7,98} + p_{6,18} + p_{7,50}\\&+ p_{7,74} + 4p_{7,106} + 2p_{7,26} + p_{7,90} + p_{7,6} + p_{7,102} + p_{7,22} + 2p_{7,86}\\&+ p_{6,14} + p_{7,110} + 2p_{7,30} + 2p_{7,62} + p_{7,126} + 2p_{7,65} + 2p_{7,33} + 3p_{7,97}\\&+ p_{6,17} + 5p_{7,49} + 2p_{7,113} + 2p_{6,25} + 4p_{7,57} + p_{7,121} + p_{7,37}\\&+ 2p_{7,101} + 3p_{7,21} + p_{6,53} + 2p_{7,109} + p_{7,29} + 2p_{7,93} + 2p_{7,51}\\&+ p_{7,115} + 2p_{7,75} + p_{6,43} + p_{6,27} + 2p_{7,59} + p_{7,123} + p_{7,7} + 2p_{7,71}\\&+ p_{6,39} + p_{7,87} + 2p_{6,55} + 2p_{7,79} + p_{7,111} + 2p_{7,95} + p_{7,127})\end{aligned}}$$

$$p_{8,248} = \frac{1}{2}p_{7,120} - \frac{1}{2}\sqrt{\begin{aligned}&p_{7,120}^2 - 4(p_{7,0} + 2p_{6,32} + 2p_{7,80} + p_{7,48} + p_{6,8} + p_{7,40}\\ &+ 2p_{7,120} + 2p_{7,68} + 2p_{7,100} + p_{6,52} + p_{7,12} + p_{7,108} + 2p_{7,28}\\ &+ 3p_{7,92} + p_{7,124} + 3p_{7,2} + 2p_{7,66} + 2p_{7,34} + 4p_{7,98} + p_{6,18} + p_{7,50}\\ &+ p_{7,74} + 4p_{7,106} + 2p_{7,26} + p_{7,90} + p_{7,6} + p_{7,102} + p_{7,22} + 2p_{7,86}\\ &+ p_{6,14} + p_{7,110} + 2p_{7,30} + 2p_{7,62} + p_{7,126} + 2p_{7,65} + 2p_{7,33} + 3p_{7,97}\\ &+ p_{6,17} + 5p_{7,49} + 2p_{7,113} + 2p_{6,25} + 4p_{7,57} + p_{7,121} + p_{7,37}\\ &+ 2p_{7,101} + 3p_{7,21} + p_{6,53} + 2p_{7,109} + p_{7,29} + 2p_{7,93} + 2p_{7,51}\\ &+ p_{7,115} + 2p_{7,75} + p_{6,43} + p_{6,27} + 2p_{7,59} + p_{7,123} + p_{7,7} + 2p_{7,71}\\ &+ p_{6,39} + p_{7,87} + 2p_{6,55} + 2p_{7,79} + p_{7,111} + 2p_{7,95} + p_{7,127})\end{aligned}}$$

$$p_{8,4} = \frac{1}{2}p_{7,4} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,4}^2 - 4(p_{6,0} + 2p_{7,80} + 2p_{7,112} + p_{7,8} + 2p_{7,40} + 3p_{7,104}\\ &+ p_{7,24} + p_{7,120} + 2p_{7,4} + p_{6,20} + p_{7,52} + p_{7,12} + 2p_{6,44} + 2p_{7,92}\\ &+ p_{7,60} + p_{7,34} + 2p_{7,98} + p_{7,18} + p_{7,114} + p_{7,10} + 2p_{7,74} + 2p_{7,42}\\ &+ p_{6,26} + p_{7,122} + 2p_{7,38} + p_{7,102} + p_{7,86} + 4p_{7,118} + 3p_{7,14} + 2p_{7,78}\\ &+ 2p_{7,46} + 4p_{7,110} + p_{6,30} + p_{7,62} + p_{6,1} + 3p_{7,33} + p_{7,49} + 2p_{7,113}\\ &+ p_{7,41} + 2p_{7,105} + 2p_{7,121} + p_{7,5} + 4p_{7,69} + 2p_{6,37} + 2p_{7,77} + 2p_{7,45}\\ &+ 3p_{7,109} + p_{6,29} + 5p_{7,61} + 2p_{7,125} + 2p_{6,3} + p_{7,99} + p_{7,19} + 2p_{7,83}\\ &+ p_{6,51} + p_{7,11} + 2p_{7,107} + 2p_{7,91} + p_{7,123} + p_{7,7} + 2p_{7,71} + p_{6,39}\\ &+ 2p_{7,87} + p_{6,55} + 2p_{7,63} + p_{7,127})\end{aligned}}$$

$$p_{8,132} = \frac{1}{2}p_{7,4} - \frac{1}{2}\sqrt{\begin{aligned}&p_{7,4}^2 - 4(p_{6,0} + 2p_{7,80} + 2p_{7,112} + p_{7,8} + 2p_{7,40} + 3p_{7,104}\\ &+ p_{7,24} + p_{7,120} + 2p_{7,4} + p_{6,20} + p_{7,52} + p_{7,12} + 2p_{6,44} + 2p_{7,92}\\ &+ p_{7,60} + p_{7,34} + 2p_{7,98} + p_{7,18} + p_{7,114} + p_{7,10} + 2p_{7,74} + 2p_{7,42}\\ &+ p_{6,26} + p_{7,122} + 2p_{7,38} + p_{7,102} + p_{7,86} + 4p_{7,118} + 3p_{7,14} + 2p_{7,78}\\ &+ 2p_{7,46} + 4p_{7,110} + p_{6,30} + p_{7,62} + p_{6,1} + 3p_{7,33} + p_{7,49} + 2p_{7,113}\\ &+ p_{7,41} + 2p_{7,105} + 2p_{7,121} + p_{7,5} + 4p_{7,69} + 2p_{6,37} + 2p_{7,77} + 2p_{7,45}\\ &+ 3p_{7,109} + p_{6,29} + 5p_{7,61} + 2p_{7,125} + 2p_{6,3} + p_{7,99} + p_{7,19} + 2p_{7,83}\\ &+ p_{6,51} + p_{7,11} + 2p_{7,107} + 2p_{7,91} + p_{7,123} + p_{7,7} + 2p_{7,71} + p_{6,39}\\ &+ 2p_{7,87} + p_{6,55} + 2p_{7,63} + p_{7,127})\end{aligned}}$$

$$p_{8,68} = \frac{1}{2}p_{7,68} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,68}^2 - 4(p_{6,0} + 2p_{7,16} + 2p_{7,48} + p_{7,72} + 3p_{7,40} + 2p_{7,104}\\ &+ p_{7,88} + p_{7,56} + 2p_{7,68} + p_{6,20} + p_{7,116} + p_{7,76} + 2p_{6,44} + 2p_{7,28}\\ &+ p_{7,124} + 2p_{7,34} + p_{7,98} + p_{7,82} + p_{7,50} + 2p_{7,10} + p_{7,74} + 2p_{7,106}\\ &+ p_{6,26} + p_{7,58} + p_{7,38} + 2p_{7,102} + p_{7,22} + 4p_{7,54} + 2p_{7,14} + 3p_{7,78}\\ &+ 4p_{7,46} + 2p_{7,110} + p_{6,30} + p_{7,126} + p_{6,1} + 3p_{7,97} + 2p_{7,49} + p_{7,113}\\ &+ 2p_{7,41} + p_{7,105} + 2p_{7,57} + 4p_{7,5} + p_{7,69} + 2p_{6,37} + 2p_{7,13} + 3p_{7,45}\\ &+ 2p_{7,109} + p_{6,29} + 2p_{7,61} + 5p_{7,125} + 2p_{6,3} + p_{7,35} + 2p_{7,19} + p_{7,83}\\ &+ p_{6,51} + p_{7,75} + 2p_{7,43} + 2p_{7,27} + p_{7,59} + 2p_{7,7} + p_{7,71} + p_{6,39}\\ &+ 2p_{7,23} + p_{6,55} + p_{7,63} + 2p_{7,127})\end{aligned}}$$

$$p_{8,196} = \frac{1}{2}p_{7,68} - \frac{1}{2}\sqrt{\begin{array}{l} p_{7,68}^2 - 4(p_{6,0} + 2p_{7,16} + 2p_{7,48} + p_{7,72} + 3p_{7,40} + 2p_{7,104} \\ + p_{7,88} + p_{7,56} + 2p_{7,68} + p_{6,20} + p_{7,116} + p_{7,76} + 2p_{6,44} + 2p_{7,28} \\ + p_{7,124} + 2p_{7,34} + p_{7,98} + p_{7,82} + p_{7,50} + 2p_{7,10} + p_{7,74} + 2p_{7,106} \\ + p_{6,26} + p_{7,58} + p_{7,38} + 2p_{7,102} + p_{7,22} + 4p_{7,54} + 2p_{7,14} + 3p_{7,78} \\ + 4p_{7,46} + 2p_{7,110} + p_{6,30} + p_{7,126} + p_{6,1} + 3p_{7,97} + 2p_{7,49} + p_{7,113} \\ + 2p_{7,41} + p_{7,105} + 2p_{7,57} + 4p_{7,5} + p_{7,69} + 2p_{6,37} + 2p_{7,13} + 3p_{7,45} \\ + 2p_{7,109} + p_{6,29} + 2p_{7,61} + 5p_{7,125} + 2p_{6,3} + p_{7,35} + 2p_{7,19} + p_{7,83} \\ + p_{6,51} + p_{7,75} + 2p_{7,43} + 2p_{7,27} + p_{7,59} + 2p_{7,7} + p_{7,71} + p_{6,39} \\ + 2p_{7,23} + p_{6,55} + p_{7,63} + 2p_{7,127}) \end{array}}$$

$$p_{8,36} = \frac{1}{2}p_{7,36} - \frac{1}{2}\sqrt{\begin{array}{l} p_{7,36}^2 - 4(p_{6,32} + 2p_{7,16} + 2p_{7,112} + 3p_{7,8} + 2p_{7,72} + p_{7,40} \\ + p_{7,24} + p_{7,56} + 2p_{7,36} + p_{7,84} + p_{6,52} + 2p_{6,12} + p_{7,44} + p_{7,92} \\ + 2p_{7,124} + 2p_{7,2} + p_{7,66} + p_{7,18} + p_{7,50} + 2p_{7,74} + p_{7,42} + 2p_{7,106} \\ + p_{7,26} + p_{6,58} + p_{7,6} + 2p_{7,70} + 4p_{7,22} + p_{7,118} + 4p_{7,14} + 2p_{7,78} \\ + 3p_{7,46} + 2p_{7,110} + p_{7,94} + p_{6,62} + 3p_{7,65} + p_{6,33} + 2p_{7,17} + p_{7,81} \\ + 2p_{7,9} + p_{7,73} + 2p_{7,25} + 2p_{6,5} + p_{7,37} + 4p_{7,101} + 3p_{7,13} + 2p_{7,77} \\ + 2p_{7,109} + 2p_{7,29} + 5p_{7,93} + p_{6,61} + p_{7,3} + 2p_{6,35} + p_{6,19} + p_{7,51} \\ + 2p_{7,115} + 2p_{7,11} + p_{7,43} + p_{7,27} + 2p_{7,123} + p_{6,7} + p_{7,39} + 2p_{7,103} \\ + p_{6,23} + 2p_{7,119} + p_{7,31} + 2p_{7,95}) \end{array}}$$

$$p_{8,164} = \frac{1}{2}p_{7,36} + \frac{1}{2}\sqrt{\begin{array}{l} p_{7,36}^2 - 4(p_{6,32} + 2p_{7,16} + 2p_{7,112} + 3p_{7,8} + 2p_{7,72} + p_{7,40} \\ + p_{7,24} + p_{7,56} + 2p_{7,36} + p_{7,84} + p_{6,52} + 2p_{6,12} + p_{7,44} + p_{7,92} \\ + 2p_{7,124} + 2p_{7,2} + p_{7,66} + p_{7,18} + p_{7,50} + 2p_{7,74} + p_{7,42} + 2p_{7,106} \\ + p_{7,26} + p_{6,58} + p_{7,6} + 2p_{7,70} + 4p_{7,22} + p_{7,118} + 4p_{7,14} + 2p_{7,78} \\ + 3p_{7,46} + 2p_{7,110} + p_{7,94} + p_{6,62} + 3p_{7,65} + p_{6,33} + 2p_{7,17} + p_{7,81} \\ + 2p_{7,9} + p_{7,73} + 2p_{7,25} + 2p_{6,5} + p_{7,37} + 4p_{7,101} + 3p_{7,13} + 2p_{7,77} \\ + 2p_{7,109} + 2p_{7,29} + 5p_{7,93} + p_{6,61} + p_{7,3} + 2p_{6,35} + p_{6,19} + p_{7,51} \\ + 2p_{7,115} + 2p_{7,11} + p_{7,43} + p_{7,27} + 2p_{7,123} + p_{6,7} + p_{7,39} + 2p_{7,103} \\ + p_{6,23} + 2p_{7,119} + p_{7,31} + 2p_{7,95}) \end{array}}$$

$$p_{8,100} = \frac{1}{2}p_{7,100} - \frac{1}{2}\sqrt{\begin{array}{l} p_{7,100}^2 - 4(p_{6,32} + 2p_{7,80} + 2p_{7,48} + 2p_{7,8} + 3p_{7,72} + p_{7,104} \\ + p_{7,88} + p_{7,120} + 2p_{7,100} + p_{7,20} + p_{6,52} + 2p_{6,12} + p_{7,108} + p_{7,28} \\ + 2p_{7,60} + p_{7,2} + 2p_{7,66} + p_{7,82} + p_{7,114} + 2p_{7,10} + 2p_{7,42} + p_{7,106} \\ + p_{7,90} + p_{6,58} + 2p_{7,6} + p_{7,70} + 4p_{7,86} + p_{7,54} + 2p_{7,14} + 4p_{7,78} \\ + 2p_{7,46} + 3p_{7,110} + p_{7,30} + p_{6,62} + 3p_{7,1} + p_{6,33} + p_{7,17} + 2p_{7,81} \\ + p_{7,9} + 2p_{7,73} + 2p_{7,89} + 2p_{6,5} + 4p_{7,37} + p_{7,101} + 2p_{7,13} + 3p_{7,77} \\ + 2p_{7,45} + 5p_{7,29} + 2p_{7,93} + p_{6,61} + p_{7,67} + 2p_{6,35} + p_{6,19} + 2p_{7,51} \\ + p_{7,115} + 2p_{7,75} + p_{7,107} + p_{7,91} + 2p_{7,59} + p_{6,7} + 2p_{7,39} + p_{7,103} \\ + p_{6,23} + 2p_{7,55} + 2p_{7,31} + p_{7,95}) \end{array}}$$

$$p_{8,228} = \frac{1}{2}p_{7,100} + \frac{1}{2}\sqrt{\begin{array}{l} p_{7,100}^2 - 4(p_{6,32} + 2p_{7,80} + 2p_{7,48} + 2p_{7,8} + 3p_{7,72} + p_{7,104} \\ \quad + p_{7,88} + p_{7,120} + 2p_{7,100} + p_{7,20} + p_{6,52} + 2p_{6,12} + p_{7,108} + p_{7,28} \\ \quad + 2p_{7,60} + p_{7,2} + 2p_{7,66} + p_{7,82} + p_{7,114} + 2p_{7,10} + 2p_{7,42} + p_{7,106} \\ \quad + p_{7,90} + p_{6,58} + 2p_{7,6} + p_{7,70} + 4p_{7,86} + p_{7,54} + 2p_{7,14} + 4p_{7,78} \\ \quad + 2p_{7,46} + 3p_{7,110} + p_{7,30} + p_{6,62} + 3p_{7,1} + p_{6,33} + p_{7,17} + 2p_{7,81} \\ \quad + p_{7,9} + 2p_{7,73} + 2p_{7,89} + 2p_{6,5} + 4p_{7,37} + p_{7,101} + 2p_{7,13} + 3p_{7,77} \\ \quad + 2p_{7,45} + 5p_{7,29} + 2p_{7,93} + p_{6,61} + p_{7,67} + 2p_{6,35} + p_{6,19} + 2p_{7,51} \\ \quad + p_{7,115} + 2p_{7,75} + p_{7,107} + p_{7,91} + 2p_{7,59} + p_{6,7} + 2p_{7,39} + p_{7,103} \\ \quad + p_{6,23} + 2p_{7,55} + 2p_{7,31} + p_{7,95}) \end{array}}$$

$$p_{8,20} = \frac{1}{2}p_{7,20} + \frac{1}{2}\sqrt{\begin{array}{l} p_{7,20}^2 - 4(2p_{7,0} + 2p_{7,96} + p_{6,16} + p_{7,8} + p_{7,40} + p_{7,24} \\ \quad + 2p_{7,56} + 3p_{7,120} + p_{7,68} + p_{6,36} + 2p_{7,20} + p_{7,76} + 2p_{7,108} + p_{7,28} \\ \quad + 2p_{6,60} + p_{7,2} + p_{7,34} + p_{7,50} + 2p_{7,114} + p_{7,10} + p_{6,42} + p_{7,26} \\ \quad + 2p_{7,90} + 2p_{7,58} + 4p_{7,6} + p_{7,102} + 2p_{7,54} + p_{7,118} + p_{7,78} + p_{6,46} \\ \quad + 3p_{7,30} + 2p_{7,94} + 2p_{7,62} + 4p_{7,126} + 2p_{7,1} + p_{7,65} + p_{6,17} + 3p_{7,49} \\ \quad + 2p_{7,9} + p_{7,57} + 2p_{7,121} + p_{7,21} + 4p_{7,85} + 2p_{6,53} + 2p_{7,13} + 5p_{7,77} \\ \quad + p_{6,45} + 2p_{7,93} + 2p_{7,61} + 3p_{7,125} + p_{6,3} + p_{7,35} + 2p_{7,99} + 2p_{6,19} \\ \quad + p_{7,115} + p_{7,11} + 2p_{7,107} + p_{7,27} + 2p_{7,123} + p_{6,7} + 2p_{7,103} + p_{7,23} \\ \quad + 2p_{7,87} + p_{6,55} + p_{7,15} + 2p_{7,79}) \end{array}}$$

$$p_{8,148} = \frac{1}{2}p_{7,20} - \frac{1}{2}\sqrt{\begin{array}{l} p_{7,20}^2 - 4(2p_{7,0} + 2p_{7,96} + p_{6,16} + p_{7,8} + p_{7,40} + p_{7,24} \\ \quad + 2p_{7,56} + 3p_{7,120} + p_{7,68} + p_{6,36} + 2p_{7,20} + p_{7,76} + 2p_{7,108} + p_{7,28} \\ \quad + 2p_{6,60} + p_{7,2} + p_{7,34} + p_{7,50} + 2p_{7,114} + p_{7,10} + p_{6,42} + p_{7,26} \\ \quad + 2p_{7,90} + 2p_{7,58} + 4p_{7,6} + p_{7,102} + 2p_{7,54} + p_{7,118} + p_{7,78} + p_{6,46} \\ \quad + 3p_{7,30} + 2p_{7,94} + 2p_{7,62} + 4p_{7,126} + 2p_{7,1} + p_{7,65} + p_{6,17} + 3p_{7,49} \\ \quad + 2p_{7,9} + p_{7,57} + 2p_{7,121} + p_{7,21} + 4p_{7,85} + 2p_{6,53} + 2p_{7,13} + 5p_{7,77} \\ \quad + p_{6,45} + 2p_{7,93} + 2p_{7,61} + 3p_{7,125} + p_{6,3} + p_{7,35} + 2p_{7,99} + 2p_{6,19} \\ \quad + p_{7,115} + p_{7,11} + 2p_{7,107} + p_{7,27} + 2p_{7,123} + p_{6,7} + 2p_{7,103} + p_{7,23} \\ \quad + 2p_{7,87} + p_{6,55} + p_{7,15} + 2p_{7,79}) \end{array}}$$

$$p_{8,84} = \frac{1}{2}p_{7,84} + \frac{1}{2}\sqrt{\begin{array}{l} p_{7,84}^2 - 4(2p_{7,64} + 2p_{7,32} + p_{6,16} + p_{7,72} + p_{7,104} + p_{7,88} \\ \quad + 3p_{7,56} + 2p_{7,120} + p_{7,4} + p_{6,36} + 2p_{7,84} + p_{7,12} + 2p_{7,44} + p_{7,92} \\ \quad + 2p_{6,60} + p_{7,66} + p_{7,98} + 2p_{7,50} + p_{7,114} + p_{7,74} + p_{6,42} + 2p_{7,26} \\ \quad + p_{7,90} + 2p_{7,122} + 4p_{7,70} + p_{7,38} + p_{7,54} + 2p_{7,118} + p_{7,14} + p_{6,46} \\ \quad + 2p_{7,30} + 3p_{7,94} + 4p_{7,62} + 2p_{7,126} + p_{7,1} + 2p_{7,65} + p_{6,17} + 3p_{7,113} \\ \quad + 2p_{7,73} + 2p_{7,57} + p_{7,121} + 4p_{7,21} + p_{7,85} + 2p_{6,53} + 5p_{7,13} + 2p_{7,77} \\ \quad + p_{6,45} + 2p_{7,29} + 3p_{7,61} + 2p_{7,125} + p_{6,3} + 2p_{7,35} + p_{7,99} + 2p_{6,19} \\ \quad + p_{7,51} + p_{7,75} + 2p_{7,43} + p_{7,91} + 2p_{7,59} + p_{6,7} + 2p_{7,39} + 2p_{7,23} \\ \quad + p_{7,87} + p_{6,55} + 2p_{7,15} + p_{7,79}) \end{array}}$$

$$p_{8,212} = \frac{1}{2}p_{7,84} - \frac{1}{2}\sqrt{\begin{aligned}&p_{7,84}^2 - 4(2p_{7,64} + 2p_{7,32} + p_{6,16} + p_{7,72} + p_{7,104} + p_{7,88}\\&+ 3p_{7,56} + 2p_{7,120} + p_{7,4} + p_{6,36} + 2p_{7,84} + p_{7,12} + 2p_{7,44} + p_{7,92}\\&+ 2p_{6,60} + p_{7,66} + p_{7,98} + 2p_{7,50} + p_{7,114} + p_{7,74} + p_{6,42} + 2p_{7,26}\\&+ p_{7,90} + 2p_{7,122} + 4p_{7,70} + p_{7,38} + p_{7,54} + 2p_{7,118} + p_{7,14} + p_{6,46}\\&+ 2p_{7,30} + 3p_{7,94} + 4p_{7,62} + 2p_{7,126} + p_{7,1} + 2p_{7,65} + p_{6,17} + 3p_{7,113}\\&+ 2p_{7,73} + 2p_{7,57} + p_{7,121} + 4p_{7,21} + p_{7,85} + 2p_{6,53} + 5p_{7,13} + 2p_{7,77}\\&+ p_{6,45} + 2p_{7,29} + 3p_{7,61} + 2p_{7,125} + p_{6,3} + 2p_{7,35} + p_{7,99} + 2p_{6,19}\\&+ p_{7,51} + p_{7,75} + 2p_{7,43} + p_{7,91} + 2p_{7,59} + p_{6,7} + 2p_{7,39} + 2p_{7,23}\\&+ p_{7,87} + p_{6,55} + 2p_{7,15} + p_{7,79})\end{aligned}}$$

$$p_{8,52} = \frac{1}{2}p_{7,52} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,52}^2 - 4(2p_{7,0} + 2p_{7,32} + p_{6,48} + p_{7,72} + p_{7,40} + 3p_{7,24}\\&+ 2p_{7,88} + p_{7,56} + p_{6,4} + p_{7,100} + 2p_{7,52} + 2p_{7,12} + p_{7,108} + 2p_{6,28}\\&+ p_{7,60} + p_{7,66} + p_{7,34} + 2p_{7,18} + p_{7,82} + p_{6,10} + p_{7,42} + 2p_{7,90}\\&+ p_{7,58} + 2p_{7,122} + p_{7,6} + 4p_{7,38} + p_{7,22} + 2p_{7,86} + p_{6,14} + p_{7,110}\\&+ 4p_{7,30} + 2p_{7,94} + 3p_{7,62} + 2p_{7,126} + 2p_{7,33} + p_{7,97} + 3p_{7,81} + p_{6,49}\\&+ 2p_{7,41} + 2p_{7,25} + p_{7,89} + 2p_{6,21} + p_{7,53} + 4p_{7,117} + p_{6,13} + 2p_{7,45}\\&+ 5p_{7,109} + 3p_{7,29} + 2p_{7,93} + 2p_{7,125} + 2p_{7,3} + p_{7,67} + p_{6,35} + p_{7,19}\\&+ 2p_{6,51} + 2p_{7,11} + p_{7,43} + 2p_{7,27} + p_{7,59} + 2p_{7,7} + p_{6,39} + p_{6,23}\\&+ p_{7,55} + 2p_{7,119} + p_{7,47} + 2p_{7,111})\end{aligned}}$$

$$p_{8,180} = \frac{1}{2}p_{7,52} - \frac{1}{2}\sqrt{\begin{aligned}&p_{7,52}^2 - 4(2p_{7,0} + 2p_{7,32} + p_{6,48} + p_{7,72} + p_{7,40} + 3p_{7,24}\\&+ 2p_{7,88} + p_{7,56} + p_{6,4} + p_{7,100} + 2p_{7,52} + 2p_{7,12} + p_{7,108} + 2p_{6,28}\\&+ p_{7,60} + p_{7,66} + p_{7,34} + 2p_{7,18} + p_{7,82} + p_{6,10} + p_{7,42} + 2p_{7,90}\\&+ p_{7,58} + 2p_{7,122} + p_{7,6} + 4p_{7,38} + p_{7,22} + 2p_{7,86} + p_{6,14} + p_{7,110}\\&+ 4p_{7,30} + 2p_{7,94} + 3p_{7,62} + 2p_{7,126} + 2p_{7,33} + p_{7,97} + 3p_{7,81} + p_{6,49}\\&+ 2p_{7,41} + 2p_{7,25} + p_{7,89} + 2p_{6,21} + p_{7,53} + 4p_{7,117} + p_{6,13} + 2p_{7,45}\\&+ 5p_{7,109} + 3p_{7,29} + 2p_{7,93} + 2p_{7,125} + 2p_{7,3} + p_{7,67} + p_{6,35} + p_{7,19}\\&+ 2p_{6,51} + 2p_{7,11} + p_{7,43} + 2p_{7,27} + p_{7,59} + 2p_{7,7} + p_{6,39} + p_{6,23}\\&+ p_{7,55} + 2p_{7,119} + p_{7,47} + 2p_{7,111})\end{aligned}}$$

$$p_{8,116} = \frac{1}{2}p_{7,116} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,116}^2 - 4(2p_{7,64} + 2p_{7,96} + p_{6,48} + p_{7,8} + p_{7,104} + 2p_{7,24}\\&+ 3p_{7,88} + p_{7,120} + p_{6,4} + p_{7,36} + 2p_{7,116} + 2p_{7,76} + p_{7,44} + 2p_{6,28}\\&+ p_{7,124} + p_{7,2} + p_{7,98} + p_{7,18} + 2p_{7,82} + p_{6,10} + p_{7,106} + 2p_{7,26}\\&+ 2p_{7,58} + p_{7,122} + p_{7,70} + 4p_{7,102} + 2p_{7,22} + p_{7,86} + p_{6,14} + p_{7,46}\\&+ 2p_{7,30} + 4p_{7,94} + 2p_{7,62} + 3p_{7,126} + p_{7,33} + 2p_{7,97} + 3p_{7,17} + p_{6,49}\\&+ 2p_{7,105} + p_{7,25} + 2p_{7,89} + 2p_{6,21} + 4p_{7,53} + p_{7,117} + p_{6,13} + 5p_{7,45}\\&+ 2p_{7,109} + 2p_{7,29} + 3p_{7,93} + 2p_{7,61} + p_{7,3} + 2p_{7,67} + p_{6,35} + p_{7,83}\\&+ 2p_{6,51} + 2p_{7,75} + p_{7,107} + 2p_{7,91} + p_{7,123} + 2p_{7,71} + p_{6,39} + p_{6,23}\\&+ 2p_{7,55} + p_{7,119} + 2p_{7,47} + p_{7,111})\end{aligned}}$$

$$p_{8,244} = \frac{1}{2}p_{7,116} - \frac{1}{2}\sqrt{\begin{aligned}&p_{7,116}^2 - 4(2p_{7,64} + 2p_{7,96} + p_{6,48} + p_{7,8} + p_{7,104} + 2p_{7,24}\\ &+ 3p_{7,88} + p_{7,120} + p_{6,4} + p_{7,36} + 2p_{7,116} + 2p_{7,76} + p_{7,44} + 2p_{6,28}\\ &+ p_{7,124} + p_{7,2} + p_{7,98} + p_{7,18} + 2p_{7,82} + p_{6,10} + p_{7,106} + 2p_{7,26}\\ &+ 2p_{7,58} + p_{7,122} + p_{7,70} + 4p_{7,102} + 2p_{7,22} + p_{7,86} + p_{6,14} + p_{7,46}\\ &+ 2p_{7,30} + 4p_{7,94} + 2p_{7,62} + 3p_{7,126} + p_{7,33} + 2p_{7,97} + 3p_{7,17} + p_{6,49}\\ &+ 2p_{7,105} + p_{7,25} + 2p_{7,89} + 2p_{6,21} + 4p_{7,53} + p_{7,117} + p_{6,13} + 5p_{7,45}\\ &+ 2p_{7,109} + 2p_{7,29} + 3p_{7,93} + 2p_{7,61} + p_{7,3} + 2p_{7,67} + p_{6,35} + p_{7,83}\\ &+ 2p_{6,51} + 2p_{7,75} + p_{7,107} + 2p_{7,91} + p_{7,123} + 2p_{7,71} + p_{6,39} + p_{6,23}\\ &+ 2p_{7,55} + p_{7,119} + 2p_{7,47} + p_{7,111})\end{aligned}}$$

$$p_{8,12} = \frac{1}{2}p_{7,12} - \frac{1}{2}\sqrt{\begin{aligned}&p_{7,12}^2 - 4(p_{7,0} + p_{7,32} + p_{7,16} + 2p_{7,48} + 3p_{7,112} + p_{6,8}\\ &+ 2p_{7,88} + 2p_{7,120} + p_{7,68} + 2p_{7,100} + p_{7,20} + 2p_{6,52} + 2p_{7,12} + p_{6,28}\\ &+ p_{7,60} + p_{7,2} + p_{6,34} + p_{7,18} + 2p_{7,82} + 2p_{7,50} + p_{7,42} + 2p_{7,106}\\ &+ p_{7,26} + p_{7,122} + p_{7,70} + p_{6,38} + 3p_{7,22} + 2p_{7,86} + 2p_{7,54} + 4p_{7,118}\\ &+ 2p_{7,46} + p_{7,110} + p_{7,94} + 4p_{7,126} + 2p_{7,1} + p_{7,49} + 2p_{7,113} + p_{6,9}\\ &+ 3p_{7,41} + p_{7,57} + 2p_{7,121} + 2p_{7,5} + 5p_{7,69} + p_{6,37} + 2p_{7,85} + 2p_{7,53}\\ &+ 3p_{7,117} + p_{7,13} + 4p_{7,77} + 2p_{6,45} + p_{7,3} + 2p_{7,99} + p_{7,19} + 2p_{7,115}\\ &+ 2p_{6,11} + p_{7,107} + p_{7,27} + 2p_{7,91} + p_{6,59} + p_{7,7} + 2p_{7,71} + p_{7,15}\\ &+ 2p_{7,79} + p_{6,47} + 2p_{7,95} + p_{6,63})\end{aligned}}$$

$$p_{8,140} = \frac{1}{2}p_{7,12} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,12}^2 - 4(p_{7,0} + p_{7,32} + p_{7,16} + 2p_{7,48} + 3p_{7,112} + p_{6,8}\\ &+ 2p_{7,88} + 2p_{7,120} + p_{7,68} + 2p_{7,100} + p_{7,20} + 2p_{6,52} + 2p_{7,12} + p_{6,28}\\ &+ p_{7,60} + p_{7,2} + p_{6,34} + p_{7,18} + 2p_{7,82} + 2p_{7,50} + p_{7,42} + 2p_{7,106}\\ &+ p_{7,26} + p_{7,122} + p_{7,70} + p_{6,38} + 3p_{7,22} + 2p_{7,86} + 2p_{7,54} + 4p_{7,118}\\ &+ 2p_{7,46} + p_{7,110} + p_{7,94} + 4p_{7,126} + 2p_{7,1} + p_{7,49} + 2p_{7,113} + p_{6,9}\\ &+ 3p_{7,41} + p_{7,57} + 2p_{7,121} + 2p_{7,5} + 5p_{7,69} + p_{6,37} + 2p_{7,85} + 2p_{7,53}\\ &+ 3p_{7,117} + p_{7,13} + 4p_{7,77} + 2p_{6,45} + p_{7,3} + 2p_{7,99} + p_{7,19} + 2p_{7,115}\\ &+ 2p_{6,11} + p_{7,107} + p_{7,27} + 2p_{7,91} + p_{6,59} + p_{7,7} + 2p_{7,71} + p_{7,15}\\ &+ 2p_{7,79} + p_{6,47} + 2p_{7,95} + p_{6,63})\end{aligned}}$$

$$p_{8,76} = \frac{1}{2}p_{7,76} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,76}^2 - 4(p_{7,64} + p_{7,96} + p_{7,80} + 3p_{7,48} + 2p_{7,112} + p_{6,8}\\ &+ 2p_{7,24} + 2p_{7,56} + p_{7,4} + 2p_{7,36} + p_{7,84} + 2p_{6,52} + 2p_{7,76} + p_{6,28}\\ &+ p_{7,124} + p_{7,66} + p_{6,34} + 2p_{7,18} + p_{7,82} + 2p_{7,114} + 2p_{7,42} + p_{7,106}\\ &+ p_{7,90} + p_{7,58} + p_{7,6} + p_{6,38} + 2p_{7,22} + 3p_{7,86} + 4p_{7,54} + 2p_{7,118}\\ &+ p_{7,46} + 2p_{7,110} + p_{7,30} + 4p_{7,62} + 2p_{7,65} + 2p_{7,49} + p_{7,113} + p_{6,9}\\ &+ 3p_{7,105} + 2p_{7,57} + p_{7,121} + 5p_{7,5} + 2p_{7,69} + p_{6,37} + 2p_{7,21}\\ &+ 3p_{7,53} + 2p_{7,117} + 4p_{7,13} + p_{7,77} + 2p_{6,45} + p_{7,67} + 2p_{7,35} + p_{7,83}\\ &+ 2p_{7,51} + 2p_{6,11} + p_{7,43} + 2p_{7,27} + p_{7,91} + p_{6,59} + 2p_{7,7} + p_{7,71}\\ &+ 2p_{7,15} + p_{7,79} + p_{6,47} + 2p_{7,31} + p_{6,63})\end{aligned}}$$

$$p_{8,204} = \frac{1}{2}p_{7,76} - \frac{1}{2}\sqrt{\begin{array}{l} p_{7,76}^2 - 4(p_{7,64} + p_{7,96} + p_{7,80} + 3p_{7,48} + 2p_{7,112} + p_{6,8} \\ + 2p_{7,24} + 2p_{7,56} + p_{7,4} + 2p_{7,36} + p_{7,84} + 2p_{6,52} + 2p_{7,76} + p_{6,28} \\ + p_{7,124} + p_{7,66} + p_{6,34} + 2p_{7,18} + p_{7,82} + 2p_{7,114} + 2p_{7,42} + p_{7,106} \\ + p_{7,90} + p_{7,58} + p_{7,6} + p_{6,38} + 2p_{7,22} + 3p_{7,86} + 4p_{7,54} + 2p_{7,118} \\ + p_{7,46} + 2p_{7,110} + p_{7,30} + 4p_{7,62} + 2p_{7,65} + 2p_{7,49} + p_{7,113} + p_{6,9} \\ + 3p_{7,105} + 2p_{7,57} + p_{7,121} + 5p_{7,5} + 2p_{7,69} + p_{6,37} + 2p_{7,21} \\ + 3p_{7,53} + 2p_{7,117} + 4p_{7,13} + p_{7,77} + 2p_{6,45} + p_{7,67} + 2p_{7,35} + p_{7,83} \\ + 2p_{7,51} + 2p_{6,11} + p_{7,43} + 2p_{7,27} + p_{7,91} + p_{6,59} + 2p_{7,7} + p_{7,71} \\ + 2p_{7,15} + p_{7,79} + p_{6,47} + 2p_{7,31} + p_{6,63}) \end{array}}$$

$$p_{8,44} = \frac{1}{2}p_{7,44} - \frac{1}{2}\sqrt{\begin{array}{l} p_{7,44}^2 - 4(p_{7,64} + p_{7,32} + 3p_{7,16} + 2p_{7,80} + p_{7,48} + p_{6,40} \\ + 2p_{7,24} + 2p_{7,120} + 2p_{7,4} + p_{7,100} + 2p_{6,20} + p_{7,52} + 2p_{7,44} + p_{7,92} \\ + p_{6,60} + p_{6,2} + p_{7,34} + 2p_{7,82} + p_{7,50} + 2p_{7,114} + 2p_{7,10} + p_{7,74} \\ + p_{7,26} + p_{7,58} + p_{6,6} + p_{7,102} + 4p_{7,22} + 2p_{7,86} + 3p_{7,54} + 2p_{7,118} \\ + p_{7,14} + 2p_{7,78} + 4p_{7,30} + p_{7,126} + 2p_{7,33} + 2p_{7,17} + p_{7,81} + 3p_{7,73} \\ + p_{6,41} + 2p_{7,25} + p_{7,89} + p_{6,5} + 2p_{7,37} + 5p_{7,101} + 3p_{7,21} + 2p_{7,85} \\ + 2p_{7,117} + 2p_{6,13} + p_{7,45} + 4p_{7,109} + 2p_{7,3} + p_{7,35} + 2p_{7,19} + p_{7,51} \\ + p_{7,11} + 2p_{6,43} + p_{6,27} + p_{7,59} + 2p_{7,123} + p_{7,39} + 2p_{7,103} + p_{6,15} \\ + p_{7,47} + 2p_{7,111} + p_{6,31} + 2p_{7,127}) \end{array}}$$

$$p_{8,172} = \frac{1}{2}p_{7,44} + \frac{1}{2}\sqrt{\begin{array}{l} p_{7,44}^2 - 4(p_{7,64} + p_{7,32} + 3p_{7,16} + 2p_{7,80} + p_{7,48} + p_{6,40} \\ + 2p_{7,24} + 2p_{7,120} + 2p_{7,4} + p_{7,100} + 2p_{6,20} + p_{7,52} + 2p_{7,44} + p_{7,92} \\ + p_{6,60} + p_{6,2} + p_{7,34} + 2p_{7,82} + p_{7,50} + 2p_{7,114} + 2p_{7,10} + p_{7,74} \\ + p_{7,26} + p_{7,58} + p_{6,6} + p_{7,102} + 4p_{7,22} + 2p_{7,86} + 3p_{7,54} + 2p_{7,118} \\ + p_{7,14} + 2p_{7,78} + 4p_{7,30} + p_{7,126} + 2p_{7,33} + 2p_{7,17} + p_{7,81} + 3p_{7,73} \\ + p_{6,41} + 2p_{7,25} + p_{7,89} + p_{6,5} + 2p_{7,37} + 5p_{7,101} + 3p_{7,21} + 2p_{7,85} \\ + 2p_{7,117} + 2p_{6,13} + p_{7,45} + 4p_{7,109} + 2p_{7,3} + p_{7,35} + 2p_{7,19} + p_{7,51} \\ + p_{7,11} + 2p_{6,43} + p_{6,27} + p_{7,59} + 2p_{7,123} + p_{7,39} + 2p_{7,103} + p_{6,15} \\ + p_{7,47} + 2p_{7,111} + p_{6,31} + 2p_{7,127}) \end{array}}$$

$$p_{8,108} = \frac{1}{2}p_{7,108} + \frac{1}{2}\sqrt{\begin{array}{l} p_{7,108}^2 - 4(p_{7,0} + p_{7,96} + 2p_{7,16} + 3p_{7,80} + p_{7,112} + p_{6,40} \\ + 2p_{7,88} + 2p_{7,56} + 2p_{7,68} + p_{7,36} + 2p_{6,20} + p_{7,116} + 2p_{7,108} + p_{7,28} \\ + p_{6,60} + p_{6,2} + p_{7,98} + 2p_{7,18} + 2p_{7,50} + p_{7,114} + p_{7,10} + 2p_{7,74} \\ + p_{7,90} + p_{7,122} + p_{6,6} + p_{7,38} + 2p_{7,22} + 4p_{7,86} + 2p_{7,54} + 3p_{7,118} \\ + 2p_{7,14} + p_{7,78} + 4p_{7,94} + p_{7,62} + 2p_{7,97} + p_{7,17} + 2p_{7,81} + 3p_{7,9} \\ + p_{6,41} + p_{7,25} + 2p_{7,89} + p_{6,5} + 5p_{7,37} + 2p_{7,101} + 2p_{7,21} + 3p_{7,85} \\ + 2p_{7,53} + 2p_{6,13} + 4p_{7,45} + p_{7,109} + 2p_{7,67} + p_{7,99} + 2p_{7,83} + p_{7,115} \\ + p_{7,75} + 2p_{6,43} + p_{6,27} + 2p_{7,59} + p_{7,123} + 2p_{7,39} + p_{7,103} + p_{6,15} \\ + 2p_{7,47} + p_{7,111} + p_{6,31} + 2p_{7,63}) \end{array}}$$

$$p_{8,236} = \frac{1}{2}p_{7,108} - \frac{1}{2}\sqrt{\begin{array}{l} p_{7,108}^2 - 4(p_{7,0} + p_{7,96} + 2p_{7,16} + 3p_{7,80} + p_{7,112} + p_{6,40} \\ + 2p_{7,88} + 2p_{7,56} + 2p_{7,68} + p_{7,36} + 2p_{6,20} + p_{7,116} + 2p_{7,108} + p_{7,28} \\ + p_{6,60} + p_{6,2} + p_{7,98} + 2p_{7,18} + 2p_{7,50} + p_{7,114} + p_{7,10} + 2p_{7,74} \\ + p_{7,90} + p_{7,122} + p_{6,6} + p_{7,38} + 2p_{7,22} + 4p_{7,86} + 2p_{7,54} + 3p_{7,118} \\ + 2p_{7,14} + p_{7,78} + 4p_{7,94} + p_{7,62} + 2p_{7,97} + p_{7,17} + 2p_{7,81} + 3p_{7,9} \\ + p_{6,41} + p_{7,25} + 2p_{7,89} + p_{6,5} + 5p_{7,37} + 2p_{7,101} + 2p_{7,21} + 3p_{7,85} \\ + 2p_{7,53} + 2p_{6,13} + 4p_{7,45} + p_{7,109} + 2p_{7,67} + p_{7,99} + 2p_{7,83} + p_{7,115} \\ + p_{7,75} + 2p_{6,43} + p_{6,27} + 2p_{7,59} + p_{7,123} + 2p_{7,39} + p_{7,103} + p_{6,15} \\ + 2p_{7,47} + p_{7,111} + p_{6,31} + 2p_{7,63}) \end{array}}$$

$$p_{8,28} = \frac{1}{2}p_{7,28} + \frac{1}{2}\sqrt{\begin{array}{l} p_{7,28}^2 - 4(3p_{7,0} + 2p_{7,64} + p_{7,32} + p_{7,16} + p_{7,48} + 2p_{7,8} \\ + 2p_{7,104} + p_{6,24} + 2p_{6,4} + p_{7,36} + p_{7,84} + 2p_{7,116} + p_{7,76} + p_{6,44} \\ + 2p_{7,28} + 2p_{7,66} + p_{7,34} + 2p_{7,98} + p_{7,18} + p_{6,50} + p_{7,10} + p_{7,42} \\ + p_{7,58} + 2p_{7,122} + 4p_{7,6} + 2p_{7,70} + 3p_{7,38} + 2p_{7,102} + p_{7,86} + p_{6,54} \\ + 4p_{7,14} + p_{7,110} + 2p_{7,62} + p_{7,126} + 2p_{7,1} + p_{7,65} + 2p_{7,17} + 2p_{7,9} \\ + p_{7,73} + p_{6,25} + 3p_{7,57} + 3p_{7,5} + 2p_{7,69} + 2p_{7,101} + 2p_{7,21} + 5p_{7,85} \\ + p_{6,53} + p_{7,29} + 4p_{7,93} + 2p_{6,61} + 2p_{7,3} + p_{7,35} + p_{7,19} + 2p_{7,115} \\ + p_{6,11} + p_{7,43} + 2p_{7,107} + 2p_{6,27} + p_{7,123} + p_{7,23} + 2p_{7,87} + p_{6,15} \\ + 2p_{7,111} + p_{7,31} + 2p_{7,95} + p_{6,63}) \end{array}}$$

$$p_{8,156} = \frac{1}{2}p_{7,28} - \frac{1}{2}\sqrt{\begin{array}{l} p_{7,28}^2 - 4(3p_{7,0} + 2p_{7,64} + p_{7,32} + p_{7,16} + p_{7,48} + 2p_{7,8} \\ + 2p_{7,104} + p_{6,24} + 2p_{6,4} + p_{7,36} + p_{7,84} + 2p_{7,116} + p_{7,76} + p_{6,44} \\ + 2p_{7,28} + 2p_{7,66} + p_{7,34} + 2p_{7,98} + p_{7,18} + p_{6,50} + p_{7,10} + p_{7,42} \\ + p_{7,58} + 2p_{7,122} + 4p_{7,6} + 2p_{7,70} + 3p_{7,38} + 2p_{7,102} + p_{7,86} + p_{6,54} \\ + 4p_{7,14} + p_{7,110} + 2p_{7,62} + p_{7,126} + 2p_{7,1} + p_{7,65} + 2p_{7,17} + 2p_{7,9} \\ + p_{7,73} + p_{6,25} + 3p_{7,57} + 3p_{7,5} + 2p_{7,69} + 2p_{7,101} + 2p_{7,21} + 5p_{7,85} \\ + p_{6,53} + p_{7,29} + 4p_{7,93} + 2p_{6,61} + 2p_{7,3} + p_{7,35} + p_{7,19} + 2p_{7,115} \\ + p_{6,11} + p_{7,43} + 2p_{7,107} + 2p_{6,27} + p_{7,123} + p_{7,23} + 2p_{7,87} + p_{6,15} \\ + 2p_{7,111} + p_{7,31} + 2p_{7,95} + p_{6,63}) \end{array}}$$

$$p_{8,92} = \frac{1}{2}p_{7,92} + \frac{1}{2}\sqrt{\begin{array}{l} p_{7,92}^2 - 4(2p_{7,0} + 3p_{7,64} + p_{7,96} + p_{7,80} + p_{7,112} + 2p_{7,72} \\ + 2p_{7,40} + p_{6,24} + 2p_{6,4} + p_{7,100} + p_{7,20} + 2p_{7,52} + p_{7,12} + p_{6,44} \\ + 2p_{7,92} + 2p_{7,2} + 2p_{7,34} + p_{7,98} + p_{7,82} + p_{6,50} + p_{7,74} + p_{7,106} \\ + 2p_{7,58} + p_{7,122} + 2p_{7,6} + 4p_{7,70} + 2p_{7,38} + 3p_{7,102} + p_{7,22} + p_{6,54} \\ + 4p_{7,78} + p_{7,46} + p_{7,62} + 2p_{7,126} + p_{7,1} + 2p_{7,65} + 2p_{7,81} + p_{7,9} \\ + 2p_{7,73} + p_{6,25} + 3p_{7,121} + 2p_{7,5} + 3p_{7,69} + 2p_{7,37} + 5p_{7,21} \\ + 2p_{7,85} + p_{6,53} + 4p_{7,29} + p_{7,93} + 2p_{6,61} + 2p_{7,67} + p_{7,99} + p_{7,83} \\ + 2p_{7,51} + p_{6,11} + 2p_{7,43} + p_{7,107} + 2p_{6,27} + p_{7,59} + 2p_{7,23} + p_{7,87} \\ + p_{6,15} + 2p_{7,47} + 2p_{7,31} + p_{7,95} + p_{6,63}) \end{array}}$$

$$p_{8,220} = \frac{1}{2}p_{7,92} - \frac{1}{2}\sqrt{\begin{aligned}&p_{7,92}^2 - 4(2p_{7,0} + 3p_{7,64} + p_{7,96} + p_{7,80} + p_{7,112} + 2p_{7,72}\\ &+ 2p_{7,40} + p_{6,24} + 2p_{6,4} + p_{7,100} + p_{7,20} + 2p_{7,52} + p_{7,12} + p_{6,44}\\ &+ 2p_{7,92} + 2p_{7,2} + 2p_{7,34} + p_{7,98} + p_{7,82} + p_{6,50} + p_{7,74} + p_{7,106}\\ &+ 2p_{7,58} + p_{7,122} + 2p_{7,6} + 4p_{7,70} + 2p_{7,38} + 3p_{7,102} + p_{7,22} + p_{6,54}\\ &+ 4p_{7,78} + p_{7,46} + p_{7,62} + 2p_{7,126} + p_{7,1} + 2p_{7,65} + 2p_{7,81} + p_{7,9}\\ &+ 2p_{7,73} + p_{6,25} + 3p_{7,121} + 2p_{7,5} + 3p_{7,69} + 2p_{7,37} + 5p_{7,21}\\ &+ 2p_{7,85} + p_{6,53} + 4p_{7,29} + p_{7,93} + 2p_{6,61} + 2p_{7,67} + p_{7,99} + p_{7,83}\\ &+ 2p_{7,51} + p_{6,11} + 2p_{7,43} + p_{7,107} + 2p_{6,27} + p_{7,59} + 2p_{7,23} + p_{7,87}\\ &+ p_{6,15} + 2p_{7,47} + 2p_{7,31} + p_{7,95} + p_{6,63})\end{aligned}}$$

$$p_{8,60} = \frac{1}{2}p_{7,60} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,60}^2 - 4(p_{7,64} + 3p_{7,32} + 2p_{7,96} + p_{7,80} + p_{7,48} + 2p_{7,8}\\ &+ 2p_{7,40} + p_{6,56} + p_{7,68} + 2p_{6,36} + 2p_{7,20} + p_{7,116} + p_{6,12} + p_{7,108}\\ &+ 2p_{7,60} + 2p_{7,2} + p_{7,66} + 2p_{7,98} + p_{6,18} + p_{7,50} + p_{7,74} + p_{7,42}\\ &+ 2p_{7,26} + p_{7,90} + 2p_{7,6} + 3p_{7,70} + 4p_{7,38} + 2p_{7,102} + p_{6,22} + p_{7,118}\\ &+ p_{7,14} + 4p_{7,46} + p_{7,30} + 2p_{7,94} + 2p_{7,33} + p_{7,97} + 2p_{7,49} + 2p_{7,41}\\ &+ p_{7,105} + 3p_{7,89} + p_{6,57} + 2p_{7,5} + 3p_{7,37} + 2p_{7,101} + p_{6,21} + 2p_{7,53}\\ &+ 5p_{7,117} + 2p_{6,29} + p_{7,61} + 4p_{7,125} + p_{7,67} + 2p_{7,35} + 2p_{7,19} + p_{7,51}\\ &+ 2p_{7,11} + p_{7,75} + p_{6,43} + p_{7,27} + 2p_{6,59} + p_{7,55} + 2p_{7,119} + 2p_{7,15}\\ &+ p_{6,47} + p_{6,31} + p_{7,63} + 2p_{7,127})\end{aligned}}$$

$$p_{8,188} = \frac{1}{2}p_{7,60} - \frac{1}{2}\sqrt{\begin{aligned}&p_{7,60}^2 - 4(p_{7,64} + 3p_{7,32} + 2p_{7,96} + p_{7,80} + p_{7,48} + 2p_{7,8}\\ &+ 2p_{7,40} + p_{6,56} + p_{7,68} + 2p_{6,36} + 2p_{7,20} + p_{7,116} + p_{6,12} + p_{7,108}\\ &+ 2p_{7,60} + 2p_{7,2} + p_{7,66} + 2p_{7,98} + p_{6,18} + p_{7,50} + p_{7,74} + p_{7,42}\\ &+ 2p_{7,26} + p_{7,90} + 2p_{7,6} + 3p_{7,70} + 4p_{7,38} + 2p_{7,102} + p_{6,22} + p_{7,118}\\ &+ p_{7,14} + 4p_{7,46} + p_{7,30} + 2p_{7,94} + 2p_{7,33} + p_{7,97} + 2p_{7,49} + 2p_{7,41}\\ &+ p_{7,105} + 3p_{7,89} + p_{6,57} + 2p_{7,5} + 3p_{7,37} + 2p_{7,101} + p_{6,21} + 2p_{7,53}\\ &+ 5p_{7,117} + 2p_{6,29} + p_{7,61} + 4p_{7,125} + p_{7,67} + 2p_{7,35} + 2p_{7,19} + p_{7,51}\\ &+ 2p_{7,11} + p_{7,75} + p_{6,43} + p_{7,27} + 2p_{6,59} + p_{7,55} + 2p_{7,119} + 2p_{7,15}\\ &+ p_{6,47} + p_{6,31} + p_{7,63} + 2p_{7,127})\end{aligned}}$$

$$p_{8,124} = \frac{1}{2}p_{7,124} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,124}^2 - 4(p_{7,0} + 2p_{7,32} + 3p_{7,96} + p_{7,16} + p_{7,112} + 2p_{7,72}\\ &+ 2p_{7,104} + p_{6,56} + p_{7,4} + 2p_{6,36} + 2p_{7,84} + p_{7,52} + p_{6,12} + p_{7,44}\\ &+ 2p_{7,124} + p_{7,2} + 2p_{7,66} + 2p_{7,34} + p_{6,18} + p_{7,114} + p_{7,10} + p_{7,106}\\ &+ p_{7,26} + 2p_{7,90} + 3p_{7,6} + 2p_{7,70} + 2p_{7,38} + 4p_{7,102} + p_{6,22} + p_{7,54}\\ &+ p_{7,78} + 4p_{7,110} + 2p_{7,30} + p_{7,94} + p_{7,33} + 2p_{7,97} + 2p_{7,113} + p_{7,41}\\ &+ 2p_{7,105} + 3p_{7,25} + p_{6,57} + 2p_{7,69} + 2p_{7,37} + 3p_{7,101} + p_{6,21}\\ &+ 5p_{7,53} + 2p_{7,117} + 2p_{6,29} + 4p_{7,61} + p_{7,125} + p_{7,3} + 2p_{7,99} + 2p_{7,83}\\ &+ p_{7,115} + p_{7,11} + 2p_{7,75} + p_{6,43} + p_{7,91} + 2p_{6,59} + 2p_{7,55} + p_{7,119}\\ &+ 2p_{7,79} + p_{6,47} + p_{6,31} + 2p_{7,63} + p_{7,127})\end{aligned}}$$

$$p_{8,252} = \frac{1}{2}p_{7,124} - \frac{1}{2}\sqrt{\begin{aligned}&p_{7,124}^2 - 4(p_{7,0} + 2p_{7,32} + 3p_{7,96} + p_{7,16} + p_{7,112} + 2p_{7,72}\\ &+ 2p_{7,104} + p_{6,56} + p_{7,4} + 2p_{6,36} + 2p_{7,84} + p_{7,52} + p_{6,12} + p_{7,44}\\ &+ 2p_{7,124} + p_{7,2} + 2p_{7,66} + 2p_{7,34} + p_{6,18} + p_{7,114} + p_{7,10} + p_{7,106}\\ &+ p_{7,26} + 2p_{7,90} + 3p_{7,6} + 2p_{7,70} + 2p_{7,38} + 4p_{7,102} + p_{6,22} + p_{7,54}\\ &+ p_{7,78} + 4p_{7,110} + 2p_{7,30} + p_{7,94} + p_{7,33} + 2p_{7,97} + 2p_{7,113} + p_{7,41}\\ &+ 2p_{7,105} + 3p_{7,25} + p_{6,57} + 2p_{7,69} + 2p_{7,37} + 3p_{7,101} + p_{6,21}\\ &+ 5p_{7,53} + 2p_{7,117} + 2p_{6,29} + 4p_{7,61} + p_{7,125} + p_{7,3} + 2p_{7,99} + 2p_{7,83}\\ &+ p_{7,115} + p_{7,11} + 2p_{7,75} + p_{6,43} + p_{7,91} + 2p_{6,59} + 2p_{7,55} + p_{7,119}\\ &+ 2p_{7,79} + p_{6,47} + p_{6,31} + 2p_{7,63} + p_{7,127})\end{aligned}}$$

$$p_{8,2} = \frac{1}{2}p_{7,2} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,2}^2 - 4(p_{7,32} + 2p_{7,96} + p_{7,16} + p_{7,112} + p_{7,8} + 2p_{7,72}\\ &+ 2p_{7,40} + p_{6,24} + p_{7,120} + 2p_{7,36} + p_{7,100} + p_{7,84} + 4p_{7,116} + 3p_{7,12}\\ &+ 2p_{7,76} + 2p_{7,44} + 4p_{7,108} + p_{6,28} + p_{7,60} + 2p_{7,2} + p_{6,18} + p_{7,50}\\ &+ p_{7,10} + 2p_{6,42} + 2p_{7,90} + p_{7,58} + p_{7,6} + 2p_{7,38} + 3p_{7,102} + p_{7,22}\\ &+ p_{7,118} + 2p_{7,78} + 2p_{7,110} + p_{6,62} + 2p_{6,1} + p_{7,97} + p_{7,17} + 2p_{7,81}\\ &+ p_{6,49} + p_{7,9} + 2p_{7,105} + 2p_{7,89} + p_{7,121} + p_{7,5} + 2p_{7,69} + p_{6,37}\\ &+ 2p_{7,85} + p_{6,53} + 2p_{7,61} + p_{7,125} + p_{7,3} + 4p_{7,67} + 2p_{6,35} + 2p_{7,75}\\ &+ 2p_{7,43} + 3p_{7,107} + p_{6,27} + 5p_{7,59} + 2p_{7,123} + p_{7,39} + 2p_{7,103}\\ &+ 2p_{7,119} + p_{7,47} + 2p_{7,111} + 3p_{7,31} + p_{6,63})\end{aligned}}$$

$$p_{8,130} = \frac{1}{2}p_{7,2} - \frac{1}{2}\sqrt{\begin{aligned}&p_{7,2}^2 - 4(p_{7,32} + 2p_{7,96} + p_{7,16} + p_{7,112} + p_{7,8} + 2p_{7,72}\\ &+ 2p_{7,40} + p_{6,24} + p_{7,120} + 2p_{7,36} + p_{7,100} + p_{7,84} + 4p_{7,116} + 3p_{7,12}\\ &+ 2p_{7,76} + 2p_{7,44} + 4p_{7,108} + p_{6,28} + p_{7,60} + 2p_{7,2} + p_{6,18} + p_{7,50}\\ &+ p_{7,10} + 2p_{6,42} + 2p_{7,90} + p_{7,58} + p_{7,6} + 2p_{7,38} + 3p_{7,102} + p_{7,22}\\ &+ p_{7,118} + 2p_{7,78} + 2p_{7,110} + p_{6,62} + 2p_{6,1} + p_{7,97} + p_{7,17} + 2p_{7,81}\\ &+ p_{6,49} + p_{7,9} + 2p_{7,105} + 2p_{7,89} + p_{7,121} + p_{7,5} + 2p_{7,69} + p_{6,37}\\ &+ 2p_{7,85} + p_{6,53} + 2p_{7,61} + p_{7,125} + p_{7,3} + 4p_{7,67} + 2p_{6,35} + 2p_{7,75}\\ &+ 2p_{7,43} + 3p_{7,107} + p_{6,27} + 5p_{7,59} + 2p_{7,123} + p_{7,39} + 2p_{7,103}\\ &+ 2p_{7,119} + p_{7,47} + 2p_{7,111} + 3p_{7,31} + p_{6,63})\end{aligned}}$$

$$p_{8,66} = \frac{1}{2}p_{7,66} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,66}^2 - 4(2p_{7,32} + p_{7,96} + p_{7,80} + p_{7,48} + 2p_{7,8} + p_{7,72}\\ &+ 2p_{7,104} + p_{6,24} + p_{7,56} + p_{7,36} + 2p_{7,100} + p_{7,20} + 4p_{7,52} + 2p_{7,12}\\ &+ 3p_{7,76} + 4p_{7,44} + 2p_{7,108} + p_{6,28} + p_{7,124} + 2p_{7,66} + p_{6,18} + p_{7,114}\\ &+ p_{7,74} + 2p_{6,42} + 2p_{7,26} + p_{7,122} + p_{7,70} + 3p_{7,38} + 2p_{7,102} + p_{7,86}\\ &+ p_{7,54} + 2p_{7,14} + 2p_{7,46} + p_{6,62} + 2p_{6,1} + p_{7,33} + 2p_{7,17} + p_{7,81}\\ &+ p_{6,49} + p_{7,73} + 2p_{7,41} + 2p_{7,25} + p_{7,57} + 2p_{7,5} + p_{7,69} + p_{6,37}\\ &+ 2p_{7,21} + p_{6,53} + p_{7,61} + 2p_{7,125} + 4p_{7,3} + p_{7,67} + 2p_{6,35} + 2p_{7,11}\\ &+ 3p_{7,43} + 2p_{7,107} + p_{6,27} + 2p_{7,59} + 5p_{7,123} + 2p_{7,39} + p_{7,103}\\ &+ 2p_{7,55} + 2p_{7,47} + p_{7,111} + 3p_{7,95} + p_{6,63})\end{aligned}}$$

$$p_{8,194} = \frac{1}{2}p_{7,66} - \frac{1}{2}\sqrt{\begin{aligned} & p_{7,66}^2 - 4(2p_{7,32} + p_{7,96} + p_{7,80} + p_{7,48} + 2p_{7,8} + p_{7,72} \\ & + 2p_{7,104} + p_{6,24} + p_{7,56} + p_{7,36} + 2p_{7,100} + p_{7,20} + 4p_{7,52} + 2p_{7,12} \\ & + 3p_{7,76} + 4p_{7,44} + 2p_{7,108} + p_{6,28} + p_{7,124} + 2p_{7,66} + p_{6,18} + p_{7,114} \\ & + p_{7,74} + 2p_{6,42} + 2p_{7,26} + p_{7,122} + p_{7,70} + 3p_{7,38} + 2p_{7,102} + p_{7,86} \\ & + p_{7,54} + 2p_{7,14} + 2p_{7,46} + p_{6,62} + 2p_{6,1} + p_{7,33} + 2p_{7,17} + p_{7,81} \\ & + p_{6,49} + p_{7,73} + 2p_{7,41} + 2p_{7,25} + p_{7,57} + 2p_{7,5} + p_{7,69} + p_{6,37} \\ & + 2p_{7,21} + p_{6,53} + p_{7,61} + 2p_{7,125} + 4p_{7,3} + p_{7,67} + 2p_{6,35} + 2p_{7,11} \\ & + 3p_{7,43} + 2p_{7,107} + p_{6,27} + 2p_{7,59} + 5p_{7,123} + 2p_{7,39} + p_{7,103} \\ & + 2p_{7,55} + 2p_{7,47} + p_{7,111} + 3p_{7,95} + p_{6,63}) \end{aligned}}$$

$$p_{8,34} = \frac{1}{2}p_{7,34} + \frac{1}{2}\sqrt{\begin{aligned} & p_{7,34}^2 - 4(2p_{7,0} + p_{7,64} + p_{7,16} + p_{7,48} + 2p_{7,72} + p_{7,40} \\ & + 2p_{7,104} + p_{7,24} + p_{6,56} + p_{7,4} + 2p_{7,68} + 4p_{7,20} + p_{7,116} + 4p_{7,12} \\ & + 2p_{7,76} + 3p_{7,44} + 2p_{7,108} + p_{7,92} + p_{6,60} + 2p_{7,34} + p_{7,82} + p_{6,50} \\ & + 2p_{6,10} + p_{7,42} + p_{7,90} + 2p_{7,122} + 3p_{7,6} + 2p_{7,70} + p_{7,38} + p_{7,22} \\ & + p_{7,54} + 2p_{7,14} + 2p_{7,110} + p_{6,30} + p_{7,1} + 2p_{6,33} + p_{6,17} + p_{7,49} \\ & + 2p_{7,113} + 2p_{7,9} + p_{7,41} + p_{7,25} + 2p_{7,121} + p_{6,5} + p_{7,37} + 2p_{7,101} \\ & + p_{6,21} + 2p_{7,117} + p_{7,29} + 2p_{7,93} + 2p_{6,3} + p_{7,35} + 4p_{7,99} + 3p_{7,11} \\ & + 2p_{7,75} + 2p_{7,107} + 2p_{7,27} + 5p_{7,91} + p_{6,59} + 2p_{7,7} + p_{7,71} + 2p_{7,23} \\ & + 2p_{7,15} + p_{7,79} + p_{6,31} + 3p_{7,63}) \end{aligned}}$$

$$p_{8,162} = \frac{1}{2}p_{7,34} - \frac{1}{2}\sqrt{\begin{aligned} & p_{7,34}^2 - 4(2p_{7,0} + p_{7,64} + p_{7,16} + p_{7,48} + 2p_{7,72} + p_{7,40} \\ & + 2p_{7,104} + p_{7,24} + p_{6,56} + p_{7,4} + 2p_{7,68} + 4p_{7,20} + p_{7,116} + 4p_{7,12} \\ & + 2p_{7,76} + 3p_{7,44} + 2p_{7,108} + p_{7,92} + p_{6,60} + 2p_{7,34} + p_{7,82} + p_{6,50} \\ & + 2p_{6,10} + p_{7,42} + p_{7,90} + 2p_{7,122} + 3p_{7,6} + 2p_{7,70} + p_{7,38} + p_{7,22} \\ & + p_{7,54} + 2p_{7,14} + 2p_{7,110} + p_{6,30} + p_{7,1} + 2p_{6,33} + p_{6,17} + p_{7,49} \\ & + 2p_{7,113} + 2p_{7,9} + p_{7,41} + p_{7,25} + 2p_{7,121} + p_{6,5} + p_{7,37} + 2p_{7,101} \\ & + p_{6,21} + 2p_{7,117} + p_{7,29} + 2p_{7,93} + 2p_{6,3} + p_{7,35} + 4p_{7,99} + 3p_{7,11} \\ & + 2p_{7,75} + 2p_{7,107} + 2p_{7,27} + 5p_{7,91} + p_{6,59} + 2p_{7,7} + p_{7,71} + 2p_{7,23} \\ & + 2p_{7,15} + p_{7,79} + p_{6,31} + 3p_{7,63}) \end{aligned}}$$

$$p_{8,98} = \frac{1}{2}p_{7,98} - \frac{1}{2}\sqrt{\begin{aligned} & p_{7,98}^2 - 4(p_{7,0} + 2p_{7,64} + p_{7,80} + p_{7,112} + 2p_{7,8} + 2p_{7,40} \\ & + p_{7,104} + p_{7,88} + p_{6,56} + 2p_{7,4} + p_{7,68} + 4p_{7,84} + p_{7,52} + 2p_{7,12} \\ & + 4p_{7,76} + 2p_{7,44} + 3p_{7,108} + p_{7,28} + p_{6,60} + 2p_{7,98} + p_{7,18} + p_{6,50} \\ & + 2p_{6,10} + p_{7,106} + p_{7,26} + 2p_{7,58} + 2p_{7,6} + 3p_{7,70} + p_{7,102} + p_{7,86} \\ & + p_{7,118} + 2p_{7,78} + 2p_{7,46} + p_{6,30} + p_{7,65} + 2p_{6,33} + p_{6,17} + 2p_{7,49} \\ & + p_{7,113} + 2p_{7,73} + p_{7,105} + p_{7,89} + 2p_{7,57} + p_{6,5} + 2p_{7,37} + p_{7,101} \\ & + p_{6,21} + 2p_{7,53} + 2p_{7,29} + p_{7,93} + 2p_{6,3} + 4p_{7,35} + p_{7,99} + 2p_{7,11} \\ & + 3p_{7,75} + 2p_{7,43} + 5p_{7,27} + 2p_{7,91} + p_{6,59} + p_{7,7} + 2p_{7,71} + 2p_{7,87} \\ & + p_{7,15} + 2p_{7,79} + p_{6,31} + 3p_{7,127}) \end{aligned}}$$

$$p_{8,226} = \frac{1}{2}p_{7,98} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,98}^2 - 4(p_{7,0} + 2p_{7,64} + p_{7,80} + p_{7,112} + 2p_{7,8} + 2p_{7,40}\\&+ p_{7,104} + p_{7,88} + p_{6,56} + 2p_{7,4} + p_{7,68} + 4p_{7,84} + p_{7,52} + 2p_{7,12}\\&+ 4p_{7,76} + 2p_{7,44} + 3p_{7,108} + p_{7,28} + p_{6,60} + 2p_{7,98} + p_{7,18} + p_{6,50}\\&+ 2p_{6,10} + p_{7,106} + p_{7,26} + 2p_{7,58} + 2p_{7,6} + 3p_{7,70} + p_{7,102} + p_{7,86}\\&+ p_{7,118} + 2p_{7,78} + 2p_{7,46} + p_{6,30} + p_{7,65} + 2p_{6,33} + p_{6,17} + 2p_{7,49}\\&+ p_{7,113} + 2p_{7,73} + p_{7,105} + p_{7,89} + 2p_{7,57} + p_{6,5} + 2p_{7,37} + p_{7,101}\\&+ p_{6,21} + 2p_{7,53} + 2p_{7,29} + p_{7,93} + 2p_{6,3} + 4p_{7,35} + p_{7,99} + 2p_{7,11}\\&+ 3p_{7,75} + 2p_{7,43} + 5p_{7,27} + 2p_{7,91} + p_{6,59} + p_{7,7} + 2p_{7,71} + 2p_{7,87}\\&+ p_{7,15} + 2p_{7,79} + p_{6,31} + 3p_{7,127})\end{aligned}}$$

$$p_{8,18} = \frac{1}{2}p_{7,18} - \frac{1}{2}\sqrt{\begin{aligned}&p_{7,18}^2 - 4(p_{7,0} + p_{7,32} + p_{7,48} + 2p_{7,112} + p_{7,8} + p_{6,40} + p_{7,24}\\&+ 2p_{7,88} + 2p_{7,56} + 4p_{7,4} + p_{7,100} + 2p_{7,52} + p_{7,116} + p_{7,76} + p_{6,44}\\&+ 3p_{7,28} + 2p_{7,92} + 2p_{7,60} + 4p_{7,124} + p_{7,66} + p_{6,34} + 2p_{7,18} + p_{7,74}\\&+ 2p_{7,106} + p_{7,26} + 2p_{6,58} + p_{7,6} + p_{7,38} + p_{7,22} + 2p_{7,54} + 3p_{7,118}\\&+ p_{6,14} + 2p_{7,94} + 2p_{7,126} + p_{6,1} + p_{7,33} + 2p_{7,97} + 2p_{6,17} + p_{7,113}\\&+ p_{7,9} + 2p_{7,105} + p_{7,25} + 2p_{7,121} + p_{6,5} + 2p_{7,101} + p_{7,21} + 2p_{7,85}\\&+ p_{6,53} + p_{7,13} + 2p_{7,77} + p_{7,19} + 4p_{7,83} + 2p_{6,51} + 2p_{7,11} + 5p_{7,75}\\&+ p_{6,43} + 2p_{7,91} + 2p_{7,59} + 3p_{7,123} + 2p_{7,7} + p_{7,55} + 2p_{7,119} + p_{6,15}\\&+ 3p_{7,47} + p_{7,63} + 2p_{7,127})\end{aligned}}$$

$$p_{8,146} = \frac{1}{2}p_{7,18} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,18}^2 - 4(p_{7,0} + p_{7,32} + p_{7,48} + 2p_{7,112} + p_{7,8} + p_{6,40} + p_{7,24}\\&+ 2p_{7,88} + 2p_{7,56} + 4p_{7,4} + p_{7,100} + 2p_{7,52} + p_{7,116} + p_{7,76} + p_{6,44}\\&+ 3p_{7,28} + 2p_{7,92} + 2p_{7,60} + 4p_{7,124} + p_{7,66} + p_{6,34} + 2p_{7,18} + p_{7,74}\\&+ 2p_{7,106} + p_{7,26} + 2p_{6,58} + p_{7,6} + p_{7,38} + p_{7,22} + 2p_{7,54} + 3p_{7,118}\\&+ p_{6,14} + 2p_{7,94} + 2p_{7,126} + p_{6,1} + p_{7,33} + 2p_{7,97} + 2p_{6,17} + p_{7,113}\\&+ p_{7,9} + 2p_{7,105} + p_{7,25} + 2p_{7,121} + p_{6,5} + 2p_{7,101} + p_{7,21} + 2p_{7,85}\\&+ p_{6,53} + p_{7,13} + 2p_{7,77} + p_{7,19} + 4p_{7,83} + 2p_{6,51} + 2p_{7,11} + 5p_{7,75}\\&+ p_{6,43} + 2p_{7,91} + 2p_{7,59} + 3p_{7,123} + 2p_{7,7} + p_{7,55} + 2p_{7,119} + p_{6,15}\\&+ 3p_{7,47} + p_{7,63} + 2p_{7,127})\end{aligned}}$$

$$p_{8,82} = \frac{1}{2}p_{7,82} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,82}^2 - 4(p_{7,64} + p_{7,96} + 2p_{7,48} + p_{7,112} + p_{7,72} + p_{6,40}\\&+ 2p_{7,24} + p_{7,88} + 2p_{7,120} + 4p_{7,68} + p_{7,36} + p_{7,52} + 2p_{7,116} + p_{7,12}\\&+ p_{6,44} + 2p_{7,28} + 3p_{7,92} + 4p_{7,60} + 2p_{7,124} + p_{7,2} + p_{6,34} + 2p_{7,82}\\&+ p_{7,10} + 2p_{7,42} + p_{7,90} + 2p_{6,58} + p_{7,70} + p_{7,102} + p_{7,86} + 3p_{7,54}\\&+ 2p_{7,118} + p_{6,14} + 2p_{7,30} + 2p_{7,62} + p_{6,1} + 2p_{7,33} + p_{7,97} + 2p_{6,17}\\&+ p_{7,49} + p_{7,73} + 2p_{7,41} + p_{7,89} + 2p_{7,57} + p_{6,5} + 2p_{7,37} + 2p_{7,21}\\&+ p_{7,85} + p_{6,53} + 2p_{7,13} + p_{7,77} + 4p_{7,19} + p_{7,83} + 2p_{6,51} + 5p_{7,11}\\&+ 2p_{7,75} + p_{6,43} + 2p_{7,27} + 3p_{7,59} + 2p_{7,123} + 2p_{7,71} + 2p_{7,55}\\&+ p_{7,119} + p_{6,15} + 3p_{7,111} + 2p_{7,63} + p_{7,127})\end{aligned}}$$

$$p_{8,210} = \frac{1}{2}p_{7,82} - \frac{1}{2}\sqrt{\begin{aligned}&p_{7,82}^2 - 4(p_{7,64} + p_{7,96} + 2p_{7,48} + p_{7,112} + p_{7,72} + p_{6,40}\\ &+ 2p_{7,24} + p_{7,88} + 2p_{7,120} + 4p_{7,68} + p_{7,36} + p_{7,52} + 2p_{7,116} + p_{7,12}\\ &+ p_{6,44} + 2p_{7,28} + 3p_{7,92} + 4p_{7,60} + 2p_{7,124} + p_{7,2} + p_{6,34} + 2p_{7,82}\\ &+ p_{7,10} + 2p_{7,42} + p_{7,90} + 2p_{6,58} + p_{7,70} + p_{7,102} + p_{7,86} + 3p_{7,54}\\ &+ 2p_{7,118} + p_{6,14} + 2p_{7,30} + 2p_{7,62} + p_{6,1} + 2p_{7,33} + p_{7,97} + 2p_{6,17}\\ &+ p_{7,49} + p_{7,73} + 2p_{7,41} + p_{7,89} + 2p_{7,57} + p_{6,5} + 2p_{7,37} + 2p_{7,21}\\ &+ p_{7,85} + p_{6,53} + 2p_{7,13} + p_{7,77} + 4p_{7,19} + p_{7,83} + 2p_{6,51} + 5p_{7,11}\\ &+ 2p_{7,75} + p_{6,43} + 2p_{7,27} + 3p_{7,59} + 2p_{7,123} + 2p_{7,71} + 2p_{7,55}\\ &+ p_{7,119} + p_{6,15} + 3p_{7,111} + 2p_{7,63} + p_{7,127})\end{aligned}}$$

$$p_{8,50} = \frac{1}{2}p_{7,50} - \frac{1}{2}\sqrt{\begin{aligned}&p_{7,50}^2 - 4(p_{7,64} + p_{7,32} + 2p_{7,16} + p_{7,80} + p_{6,8} + p_{7,40}\\ &+ 2p_{7,88} + p_{7,56} + 2p_{7,120} + p_{7,4} + 4p_{7,36} + p_{7,20} + 2p_{7,84} + p_{6,12}\\ &+ p_{7,108} + 4p_{7,28} + 2p_{7,92} + 3p_{7,60} + 2p_{7,124} + p_{6,2} + p_{7,98} + 2p_{7,50}\\ &+ 2p_{7,10} + p_{7,106} + 2p_{6,26} + p_{7,58} + p_{7,70} + p_{7,38} + 3p_{7,22} + 2p_{7,86}\\ &+ p_{7,54} + p_{6,46} + 2p_{7,30} + 2p_{7,126} + 2p_{7,1} + p_{7,65} + p_{6,33} + p_{7,17}\\ &+ 2p_{6,49} + 2p_{7,9} + p_{7,41} + 2p_{7,25} + p_{7,57} + 2p_{7,5} + p_{6,37} + p_{6,21}\\ &+ p_{7,53} + 2p_{7,117} + p_{7,45} + 2p_{7,109} + 2p_{6,19} + p_{7,51} + 4p_{7,115}\\ &+ p_{6,11} + 2p_{7,43} + 5p_{7,107} + 3p_{7,27} + 2p_{7,91} + 2p_{7,123} + 2p_{7,39}\\ &+ 2p_{7,23} + p_{7,87} + 3p_{7,79} + p_{6,47} + 2p_{7,31} + p_{7,95})\end{aligned}}$$

$$p_{8,178} = \frac{1}{2}p_{7,50} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,50}^2 - 4(p_{7,64} + p_{7,32} + 2p_{7,16} + p_{7,80} + p_{6,8} + p_{7,40}\\ &+ 2p_{7,88} + p_{7,56} + 2p_{7,120} + p_{7,4} + 4p_{7,36} + p_{7,20} + 2p_{7,84} + p_{6,12}\\ &+ p_{7,108} + 4p_{7,28} + 2p_{7,92} + 3p_{7,60} + 2p_{7,124} + p_{6,2} + p_{7,98} + 2p_{7,50}\\ &+ 2p_{7,10} + p_{7,106} + 2p_{6,26} + p_{7,58} + p_{7,70} + p_{7,38} + 3p_{7,22} + 2p_{7,86}\\ &+ p_{7,54} + p_{6,46} + 2p_{7,30} + 2p_{7,126} + 2p_{7,1} + p_{7,65} + p_{6,33} + p_{7,17}\\ &+ 2p_{6,49} + 2p_{7,9} + p_{7,41} + 2p_{7,25} + p_{7,57} + 2p_{7,5} + p_{6,37} + p_{6,21}\\ &+ p_{7,53} + 2p_{7,117} + p_{7,45} + 2p_{7,109} + 2p_{6,19} + p_{7,51} + 4p_{7,115}\\ &+ p_{6,11} + 2p_{7,43} + 5p_{7,107} + 3p_{7,27} + 2p_{7,91} + 2p_{7,123} + 2p_{7,39}\\ &+ 2p_{7,23} + p_{7,87} + 3p_{7,79} + p_{6,47} + 2p_{7,31} + p_{7,95})\end{aligned}}$$

$$p_{8,114} = \frac{1}{2}p_{7,114} - \frac{1}{2}\sqrt{\begin{aligned}&p_{7,114}^2 - 4(p_{7,0} + p_{7,96} + p_{7,16} + 2p_{7,80} + p_{6,8} + p_{7,104}\\ &+ 2p_{7,24} + 2p_{7,56} + p_{7,120} + p_{7,68} + 4p_{7,100} + 2p_{7,20} + p_{7,84} + p_{6,12}\\ &+ p_{7,44} + 2p_{7,28} + 4p_{7,92} + 2p_{7,60} + 3p_{7,124} + p_{6,2} + p_{7,34} + 2p_{7,114}\\ &+ 2p_{7,74} + p_{7,42} + 2p_{6,26} + p_{7,122} + p_{7,6} + p_{7,102} + 2p_{7,22} + 3p_{7,86}\\ &+ p_{7,118} + p_{6,46} + 2p_{7,94} + 2p_{7,62} + p_{7,1} + 2p_{7,65} + p_{6,33} + p_{7,81}\\ &+ 2p_{6,49} + 2p_{7,73} + p_{7,105} + 2p_{7,89} + p_{7,121} + 2p_{7,69} + p_{6,37} + p_{6,21}\\ &+ 2p_{7,53} + p_{7,117} + 2p_{7,45} + p_{7,109} + 2p_{6,19} + 4p_{7,51} + p_{7,115} + p_{6,11}\\ &+ 5p_{7,43} + 2p_{7,107} + 2p_{7,27} + 3p_{7,91} + 2p_{7,59} + 2p_{7,103} + p_{7,23}\\ &+ 2p_{7,87} + 3p_{7,15} + p_{6,47} + p_{7,31} + 2p_{7,95})\end{aligned}}$$

$$p_{8,242} = \frac{1}{2}p_{7,114} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,114}^2 - 4(p_{7,0} + p_{7,96} + p_{7,16} + 2p_{7,80} + p_{6,8} + p_{7,104}\\ &+ 2p_{7,24} + 2p_{7,56} + p_{7,120} + p_{7,68} + 4p_{7,100} + 2p_{7,20} + p_{7,84} + p_{6,12}\\ &+ p_{7,44} + 2p_{7,28} + 4p_{7,92} + 2p_{7,60} + 3p_{7,124} + p_{6,2} + p_{7,34} + 2p_{7,114}\\ &+ 2p_{7,74} + p_{7,42} + 2p_{6,26} + p_{7,122} + p_{7,6} + p_{7,102} + 2p_{7,22} + 3p_{7,86}\\ &+ p_{7,118} + p_{6,46} + 2p_{7,94} + 2p_{7,62} + p_{7,1} + 2p_{7,65} + p_{6,33} + p_{7,81}\\ &+ 2p_{6,49} + 2p_{7,73} + p_{7,105} + 2p_{7,89} + p_{7,121} + 2p_{7,69} + p_{6,37} + p_{6,21}\\ &+ 2p_{7,53} + p_{7,117} + 2p_{7,45} + p_{7,109} + 2p_{6,19} + 4p_{7,51} + p_{7,115} + p_{6,11}\\ &+ 5p_{7,43} + 2p_{7,107} + 2p_{7,27} + 3p_{7,91} + 2p_{7,59} + 2p_{7,103} + p_{7,23}\\ &+ 2p_{7,87} + 3p_{7,15} + p_{6,47} + p_{7,31} + 2p_{7,95})\end{aligned}}$$

$$p_{8,10} = \frac{1}{2}p_{7,10} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,10}^2 - 4(p_{7,0} + p_{6,32} + p_{7,16} + 2p_{7,80} + 2p_{7,48} + p_{7,40}\\ &+ 2p_{7,104} + p_{7,24} + p_{7,120} + p_{7,68} + p_{6,36} + 3p_{7,20} + 2p_{7,84} + 2p_{7,52}\\ &+ 4p_{7,116} + 2p_{7,44} + p_{7,108} + p_{7,92} + 4p_{7,124} + p_{7,66} + 2p_{7,98} + p_{7,18}\\ &+ 2p_{6,50} + 2p_{7,10} + p_{6,26} + p_{7,58} + p_{6,6} + 2p_{7,86} + 2p_{7,118} + p_{7,14}\\ &+ 2p_{7,46} + 3p_{7,110} + p_{7,30} + p_{7,126} + p_{7,1} + 2p_{7,97} + p_{7,17} + 2p_{7,113}\\ &+ 2p_{6,9} + p_{7,105} + p_{7,25} + 2p_{7,89} + p_{6,57} + p_{7,5} + 2p_{7,69} + p_{7,13}\\ &+ 2p_{7,77} + p_{6,45} + 2p_{7,93} + p_{6,61} + 2p_{7,3} + 5p_{7,67} + p_{6,35} + 2p_{7,83}\\ &+ 2p_{7,51} + 3p_{7,115} + p_{7,11} + 4p_{7,75} + 2p_{6,43} + p_{6,7} + 3p_{7,39} + p_{7,55}\\ &+ 2p_{7,119} + p_{7,47} + 2p_{7,111} + 2p_{7,127})\end{aligned}}$$

$$p_{8,138} = \frac{1}{2}p_{7,10} - \frac{1}{2}\sqrt{\begin{aligned}&p_{7,10}^2 - 4(p_{7,0} + p_{6,32} + p_{7,16} + 2p_{7,80} + 2p_{7,48} + p_{7,40}\\ &+ 2p_{7,104} + p_{7,24} + p_{7,120} + p_{7,68} + p_{6,36} + 3p_{7,20} + 2p_{7,84} + 2p_{7,52}\\ &+ 4p_{7,116} + 2p_{7,44} + p_{7,108} + p_{7,92} + 4p_{7,124} + p_{7,66} + 2p_{7,98} + p_{7,18}\\ &+ 2p_{6,50} + 2p_{7,10} + p_{6,26} + p_{7,58} + p_{6,6} + 2p_{7,86} + 2p_{7,118} + p_{7,14}\\ &+ 2p_{7,46} + 3p_{7,110} + p_{7,30} + p_{7,126} + p_{7,1} + 2p_{7,97} + p_{7,17} + 2p_{7,113}\\ &+ 2p_{6,9} + p_{7,105} + p_{7,25} + 2p_{7,89} + p_{6,57} + p_{7,5} + 2p_{7,69} + p_{7,13}\\ &+ 2p_{7,77} + p_{6,45} + 2p_{7,93} + p_{6,61} + 2p_{7,3} + 5p_{7,67} + p_{6,35} + 2p_{7,83}\\ &+ 2p_{7,51} + 3p_{7,115} + p_{7,11} + 4p_{7,75} + 2p_{6,43} + p_{6,7} + 3p_{7,39} + p_{7,55}\\ &+ 2p_{7,119} + p_{7,47} + 2p_{7,111} + 2p_{7,127})\end{aligned}}$$

$$p_{8,74} = \frac{1}{2}p_{7,74} - \frac{1}{2}\sqrt{\begin{aligned}&p_{7,74}^2 - 4(p_{7,64} + p_{6,32} + 2p_{7,16} + p_{7,80} + 2p_{7,112} + 2p_{7,40}\\ &+ p_{7,104} + p_{7,88} + p_{7,56} + p_{7,4} + p_{6,36} + 2p_{7,20} + 3p_{7,84} + 4p_{7,52}\\ &+ 2p_{7,116} + p_{7,44} + 2p_{7,108} + p_{7,28} + 4p_{7,60} + p_{7,2} + 2p_{7,34} + p_{7,82}\\ &+ 2p_{6,50} + 2p_{7,74} + p_{6,26} + p_{7,122} + p_{6,6} + 2p_{7,22} + 2p_{7,54} + p_{7,78}\\ &+ 3p_{7,46} + 2p_{7,110} + p_{7,94} + p_{7,62} + p_{7,65} + 2p_{7,33} + p_{7,81} + 2p_{7,49}\\ &+ 2p_{6,9} + p_{7,41} + 2p_{7,25} + p_{7,89} + p_{6,57} + 2p_{7,5} + p_{7,69} + 2p_{7,13}\\ &+ p_{7,77} + p_{6,45} + 2p_{7,29} + p_{6,61} + 5p_{7,3} + 2p_{7,67} + p_{6,35} + 2p_{7,19}\\ &+ 3p_{7,51} + 2p_{7,115} + 4p_{7,11} + p_{7,75} + 2p_{6,43} + p_{6,7} + 3p_{7,103}\\ &+ 2p_{7,55} + p_{7,119} + 2p_{7,47} + p_{7,111} + 2p_{7,63})\end{aligned}}$$

$$p_{8,202} = \frac{1}{2}p_{7,74} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,74}^2 - 4(p_{7,64} + p_{6,32} + 2p_{7,16} + p_{7,80} + 2p_{7,112} + 2p_{7,40}\\ &+ p_{7,104} + p_{7,88} + p_{7,56} + p_{7,4} + p_{6,36} + 2p_{7,20} + 3p_{7,84} + 4p_{7,52}\\ &+ 2p_{7,116} + p_{7,44} + 2p_{7,108} + p_{7,28} + 4p_{7,60} + p_{7,2} + 2p_{7,34} + p_{7,82}\\ &+ 2p_{6,50} + 2p_{7,74} + p_{6,26} + p_{7,122} + p_{6,6} + 2p_{7,22} + 2p_{7,54} + p_{7,78}\\ &+ 3p_{7,46} + 2p_{7,110} + p_{7,94} + p_{7,62} + p_{7,65} + 2p_{7,33} + p_{7,81} + 2p_{7,49}\\ &+ 2p_{6,9} + p_{7,41} + 2p_{7,25} + p_{7,89} + p_{6,57} + 2p_{7,5} + p_{7,69} + 2p_{7,13}\\ &+ p_{7,77} + p_{6,45} + 2p_{7,29} + p_{6,61} + 5p_{7,3} + 2p_{7,67} + p_{6,35} + 2p_{7,19}\\ &+ 3p_{7,51} + 2p_{7,115} + 4p_{7,11} + p_{7,75} + 2p_{6,43} + p_{6,7} + 3p_{7,103}\\ &+ 2p_{7,55} + p_{7,119} + 2p_{7,47} + p_{7,111} + 2p_{7,63})\end{aligned}}$$

$$p_{8,42} = \frac{1}{2}p_{7,42} - \frac{1}{2}\sqrt{\begin{aligned}&p_{7,42}^2 - 4(p_{6,0} + p_{7,32} + 2p_{7,80} + p_{7,48} + 2p_{7,112} + 2p_{7,8}\\ &+ p_{7,72} + p_{7,24} + p_{7,56} + p_{6,4} + p_{7,100} + 4p_{7,20} + 2p_{7,84} + 3p_{7,52}\\ &+ 2p_{7,116} + p_{7,12} + 2p_{7,76} + 4p_{7,28} + p_{7,124} + 2p_{7,2} + p_{7,98} + 2p_{6,18}\\ &+ p_{7,50} + 2p_{7,42} + p_{7,90} + p_{6,58} + p_{6,38} + 2p_{7,22} + 2p_{7,118} + 3p_{7,14}\\ &+ 2p_{7,78} + p_{7,46} + p_{7,30} + p_{7,62} + 2p_{7,1} + p_{7,33} + 2p_{7,17} + p_{7,49}\\ &+ p_{7,9} + 2p_{6,41} + p_{6,25} + p_{7,57} + 2p_{7,121} + p_{7,37} + 2p_{7,101} + p_{6,13}\\ &+ p_{7,45} + 2p_{7,109} + p_{6,29} + 2p_{7,125} + p_{6,3} + 2p_{7,35} + 5p_{7,99} + 3p_{7,19}\\ &+ 2p_{7,83} + 2p_{7,115} + 2p_{6,11} + p_{7,43} + 4p_{7,107} + 3p_{7,71} + p_{6,39}\\ &+ 2p_{7,23} + p_{7,87} + 2p_{7,15} + p_{7,79} + 2p_{7,31})\end{aligned}}$$

$$p_{8,170} = \frac{1}{2}p_{7,42} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,42}^2 - 4(p_{6,0} + p_{7,32} + 2p_{7,80} + p_{7,48} + 2p_{7,112} + 2p_{7,8}\\ &+ p_{7,72} + p_{7,24} + p_{7,56} + p_{6,4} + p_{7,100} + 4p_{7,20} + 2p_{7,84} + 3p_{7,52}\\ &+ 2p_{7,116} + p_{7,12} + 2p_{7,76} + 4p_{7,28} + p_{7,124} + 2p_{7,2} + p_{7,98} + 2p_{6,18}\\ &+ p_{7,50} + 2p_{7,42} + p_{7,90} + p_{6,58} + p_{6,38} + 2p_{7,22} + 2p_{7,118} + 3p_{7,14}\\ &+ 2p_{7,78} + p_{7,46} + p_{7,30} + p_{7,62} + 2p_{7,1} + p_{7,33} + 2p_{7,17} + p_{7,49}\\ &+ p_{7,9} + 2p_{6,41} + p_{6,25} + p_{7,57} + 2p_{7,121} + p_{7,37} + 2p_{7,101} + p_{6,13}\\ &+ p_{7,45} + 2p_{7,109} + p_{6,29} + 2p_{7,125} + p_{6,3} + 2p_{7,35} + 5p_{7,99} + 3p_{7,19}\\ &+ 2p_{7,83} + 2p_{7,115} + 2p_{6,11} + p_{7,43} + 4p_{7,107} + 3p_{7,71} + p_{6,39}\\ &+ 2p_{7,23} + p_{7,87} + 2p_{7,15} + p_{7,79} + 2p_{7,31})\end{aligned}}$$

$$p_{8,106} = \frac{1}{2}p_{7,106} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,106}^2 - 4(p_{6,0} + p_{7,96} + 2p_{7,16} + 2p_{7,48} + p_{7,112} + p_{7,8}\\ &+ 2p_{7,72} + p_{7,88} + p_{7,120} + p_{6,4} + p_{7,36} + 2p_{7,20} + 4p_{7,84} + 2p_{7,52}\\ &+ 3p_{7,116} + 2p_{7,12} + p_{7,76} + 4p_{7,92} + p_{7,60} + 2p_{7,66} + p_{7,34} + 2p_{6,18}\\ &+ p_{7,114} + 2p_{7,106} + p_{7,26} + p_{6,58} + p_{6,38} + 2p_{7,86} + 2p_{7,54} + 2p_{7,14}\\ &+ 3p_{7,78} + p_{7,110} + p_{7,94} + p_{7,126} + 2p_{7,65} + p_{7,97} + 2p_{7,81} + p_{7,113}\\ &+ p_{7,73} + 2p_{6,41} + p_{6,25} + 2p_{7,57} + p_{7,121} + 2p_{7,37} + p_{7,101} + p_{6,13}\\ &+ 2p_{7,45} + p_{7,109} + p_{6,29} + 2p_{7,61} + p_{6,3} + 5p_{7,35} + 2p_{7,99} + 2p_{7,19}\\ &+ 3p_{7,83} + 2p_{7,51} + 2p_{6,11} + 4p_{7,43} + p_{7,107} + 3p_{7,7} + p_{6,39} + p_{7,23}\\ &+ 2p_{7,87} + p_{7,15} + 2p_{7,79} + 2p_{7,95})\end{aligned}}$$

$$p_{8,234} = \frac{1}{2}p_{7,106} - \frac{1}{2}\sqrt{\begin{aligned}&p_{7,106}^2 - 4(p_{6,0} + p_{7,96} + 2p_{7,16} + 2p_{7,48} + p_{7,112} + p_{7,8}\\ &+ 2p_{7,72} + p_{7,88} + p_{7,120} + p_{6,4} + p_{7,36} + 2p_{7,20} + 4p_{7,84} + 2p_{7,52}\\ &+ 3p_{7,116} + 2p_{7,12} + p_{7,76} + 4p_{7,92} + p_{7,60} + 2p_{7,66} + p_{7,34} + 2p_{6,18}\\ &+ p_{7,114} + 2p_{7,106} + p_{7,26} + p_{6,58} + p_{6,38} + 2p_{7,86} + 2p_{7,54} + 2p_{7,14}\\ &+ 3p_{7,78} + p_{7,110} + p_{7,94} + p_{7,126} + 2p_{7,65} + p_{7,97} + 2p_{7,81} + p_{7,113}\\ &+ p_{7,73} + 2p_{6,41} + p_{6,25} + 2p_{7,57} + p_{7,121} + 2p_{7,37} + p_{7,101} + p_{6,13}\\ &+ 2p_{7,45} + p_{7,109} + p_{6,29} + 2p_{7,61} + p_{6,3} + 5p_{7,35} + 2p_{7,99} + 2p_{7,19}\\ &+ 3p_{7,83} + 2p_{7,51} + 2p_{6,11} + 4p_{7,43} + p_{7,107} + 3p_{7,7} + p_{6,39} + p_{7,23}\\ &+ 2p_{7,87} + p_{7,15} + 2p_{7,79} + 2p_{7,95})\end{aligned}}$$

$$p_{8,26} = \frac{1}{2}p_{7,26} - \frac{1}{2}\sqrt{\begin{aligned}&p_{7,26}^2 - 4(2p_{7,64} + p_{7,32} + 2p_{7,96} + p_{7,16} + p_{6,48} + p_{7,8}\\ &+ p_{7,40} + p_{7,56} + 2p_{7,120} + 4p_{7,4} + 2p_{7,68} + 3p_{7,36} + 2p_{7,100} + p_{7,84}\\ &+ p_{6,52} + 4p_{7,12} + p_{7,108} + 2p_{7,60} + p_{7,124} + 2p_{6,2} + p_{7,34} + p_{7,82}\\ &+ 2p_{7,114} + p_{7,74} + p_{6,42} + 2p_{7,26} + 2p_{7,6} + 2p_{7,102} + p_{6,22} + p_{7,14}\\ &+ p_{7,46} + p_{7,30} + 2p_{7,62} + 3p_{7,126} + 2p_{7,1} + p_{7,33} + p_{7,17} + 2p_{7,113}\\ &+ p_{6,9} + p_{7,41} + 2p_{7,105} + 2p_{6,25} + p_{7,121} + p_{7,21} + 2p_{7,85} + p_{6,13}\\ &+ 2p_{7,109} + p_{7,29} + 2p_{7,93} + p_{6,61} + 3p_{7,3} + 2p_{7,67} + 2p_{7,99} + 2p_{7,19}\\ &+ 5p_{7,83} + p_{6,51} + p_{7,27} + 4p_{7,91} + 2p_{6,59} + 2p_{7,7} + p_{7,71} + p_{6,23}\\ &+ 3p_{7,55} + 2p_{7,15} + p_{7,63} + 2p_{7,127})\end{aligned}}$$

$$p_{8,154} = \frac{1}{2}p_{7,26} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,26}^2 - 4(2p_{7,64} + p_{7,32} + 2p_{7,96} + p_{7,16} + p_{6,48} + p_{7,8}\\ &+ p_{7,40} + p_{7,56} + 2p_{7,120} + 4p_{7,4} + 2p_{7,68} + 3p_{7,36} + 2p_{7,100} + p_{7,84}\\ &+ p_{6,52} + 4p_{7,12} + p_{7,108} + 2p_{7,60} + p_{7,124} + 2p_{6,2} + p_{7,34} + p_{7,82}\\ &+ 2p_{7,114} + p_{7,74} + p_{6,42} + 2p_{7,26} + 2p_{7,6} + 2p_{7,102} + p_{6,22} + p_{7,14}\\ &+ p_{7,46} + p_{7,30} + 2p_{7,62} + 3p_{7,126} + 2p_{7,1} + p_{7,33} + p_{7,17} + 2p_{7,113}\\ &+ p_{6,9} + p_{7,41} + 2p_{7,105} + 2p_{6,25} + p_{7,121} + p_{7,21} + 2p_{7,85} + p_{6,13}\\ &+ 2p_{7,109} + p_{7,29} + 2p_{7,93} + p_{6,61} + 3p_{7,3} + 2p_{7,67} + 2p_{7,99} + 2p_{7,19}\\ &+ 5p_{7,83} + p_{6,51} + p_{7,27} + 4p_{7,91} + 2p_{6,59} + 2p_{7,7} + p_{7,71} + p_{6,23}\\ &+ 3p_{7,55} + 2p_{7,15} + p_{7,63} + 2p_{7,127})\end{aligned}}$$

$$p_{8,90} = \frac{1}{2}p_{7,90} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,90}^2 - 4(2p_{7,0} + 2p_{7,32} + p_{7,96} + p_{7,80} + p_{6,48} + p_{7,72}\\ &+ p_{7,104} + 2p_{7,56} + p_{7,120} + 2p_{7,4} + 4p_{7,68} + 2p_{7,36} + 3p_{7,100}\\ &+ p_{7,20} + p_{6,52} + 4p_{7,76} + p_{7,44} + p_{7,60} + 2p_{7,124} + 2p_{6,2} + p_{7,98}\\ &+ p_{7,18} + 2p_{7,50} + p_{7,10} + p_{6,42} + 2p_{7,90} + 2p_{7,70} + 2p_{7,38} + p_{6,22}\\ &+ p_{7,78} + p_{7,110} + p_{7,94} + 3p_{7,62} + 2p_{7,126} + 2p_{7,65} + p_{7,97} + p_{7,81}\\ &+ 2p_{7,49} + p_{6,9} + 2p_{7,41} + p_{7,105} + 2p_{6,25} + p_{7,57} + 2p_{7,21} + p_{7,85}\\ &+ p_{6,13} + 2p_{7,45} + 2p_{7,29} + p_{7,93} + p_{6,61} + 2p_{7,3} + 3p_{7,67} + 2p_{7,35}\\ &+ 5p_{7,19} + 2p_{7,83} + p_{6,51} + 4p_{7,27} + p_{7,91} + 2p_{6,59} + p_{7,7} + 2p_{7,71}\\ &+ p_{6,23} + 3p_{7,119} + 2p_{7,79} + 2p_{7,63} + p_{7,127})\end{aligned}}$$

$$p_{8,218} = \frac{1}{2}p_{7,90} - \frac{1}{2}\sqrt{\begin{aligned}&p_{7,90}^2 - 4(2p_{7,0} + 2p_{7,32} + p_{7,96} + p_{7,80} + p_{6,48} + p_{7,72}\\ &+ p_{7,104} + 2p_{7,56} + p_{7,120} + 2p_{7,4} + 4p_{7,68} + 2p_{7,36} + 3p_{7,100}\\ &+ p_{7,20} + p_{6,52} + 4p_{7,76} + p_{7,44} + p_{7,60} + 2p_{7,124} + 2p_{6,2} + p_{7,98}\\ &+ p_{7,18} + 2p_{7,50} + p_{7,10} + p_{6,42} + 2p_{7,90} + 2p_{7,70} + 2p_{7,38} + p_{6,22}\\ &+ p_{7,78} + p_{7,110} + p_{7,94} + 3p_{7,62} + 2p_{7,126} + 2p_{7,65} + p_{7,97} + p_{7,81}\\ &+ 2p_{7,49} + p_{6,9} + 2p_{7,41} + p_{7,105} + 2p_{6,25} + p_{7,57} + 2p_{7,21} + p_{7,85}\\ &+ p_{6,13} + 2p_{7,45} + 2p_{7,29} + p_{7,93} + p_{6,61} + 2p_{7,3} + 3p_{7,67} + 2p_{7,35}\\ &+ 5p_{7,19} + 2p_{7,83} + p_{6,51} + 4p_{7,27} + p_{7,91} + 2p_{6,59} + p_{7,7} + 2p_{7,71}\\ &+ p_{6,23} + 3p_{7,119} + 2p_{7,79} + 2p_{7,63} + p_{7,127})\end{aligned}}$$

$$p_{8,58} = \frac{1}{2}p_{7,58} - \frac{1}{2}\sqrt{\begin{aligned}&p_{7,58}^2 - 4(2p_{7,0} + p_{7,64} + 2p_{7,96} + p_{6,16} + p_{7,48} + p_{7,72}\\ &+ p_{7,40} + 2p_{7,24} + p_{7,88} + 2p_{7,4} + 3p_{7,68} + 4p_{7,36} + 2p_{7,100} + p_{6,20}\\ &+ p_{7,116} + p_{7,12} + 4p_{7,44} + p_{7,28} + 2p_{7,92} + p_{7,66} + 2p_{6,34} + 2p_{7,18}\\ &+ p_{7,114} + p_{6,10} + p_{7,106} + 2p_{7,58} + 2p_{7,6} + 2p_{7,38} + p_{6,54} + p_{7,78}\\ &+ p_{7,46} + 3p_{7,30} + 2p_{7,94} + p_{7,62} + p_{7,65} + 2p_{7,33} + 2p_{7,17} + p_{7,49}\\ &+ 2p_{7,9} + p_{7,73} + p_{6,41} + p_{7,25} + 2p_{6,57} + p_{7,53} + 2p_{7,117} + 2p_{7,13}\\ &+ p_{6,45} + p_{6,29} + p_{7,61} + 2p_{7,125} + 2p_{7,3} + 3p_{7,35} + 2p_{7,99} + p_{6,19}\\ &+ 2p_{7,51} + 5p_{7,115} + 2p_{6,27} + p_{7,59} + 4p_{7,123} + 2p_{7,39} + p_{7,103}\\ &+ 3p_{7,87} + p_{6,55} + 2p_{7,47} + 2p_{7,31} + p_{7,95})\end{aligned}}$$

$$p_{8,186} = \frac{1}{2}p_{7,58} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,58}^2 - 4(2p_{7,0} + p_{7,64} + 2p_{7,96} + p_{6,16} + p_{7,48} + p_{7,72}\\ &+ p_{7,40} + 2p_{7,24} + p_{7,88} + 2p_{7,4} + 3p_{7,68} + 4p_{7,36} + 2p_{7,100} + p_{6,20}\\ &+ p_{7,116} + p_{7,12} + 4p_{7,44} + p_{7,28} + 2p_{7,92} + p_{7,66} + 2p_{6,34} + 2p_{7,18}\\ &+ p_{7,114} + p_{6,10} + p_{7,106} + 2p_{7,58} + 2p_{7,6} + 2p_{7,38} + p_{6,54} + p_{7,78}\\ &+ p_{7,46} + 3p_{7,30} + 2p_{7,94} + p_{7,62} + p_{7,65} + 2p_{7,33} + 2p_{7,17} + p_{7,49}\\ &+ 2p_{7,9} + p_{7,73} + p_{6,41} + p_{7,25} + 2p_{6,57} + p_{7,53} + 2p_{7,117} + 2p_{7,13}\\ &+ p_{6,45} + p_{6,29} + p_{7,61} + 2p_{7,125} + 2p_{7,3} + 3p_{7,35} + 2p_{7,99} + p_{6,19}\\ &+ 2p_{7,51} + 5p_{7,115} + 2p_{6,27} + p_{7,59} + 4p_{7,123} + 2p_{7,39} + p_{7,103}\\ &+ 3p_{7,87} + p_{6,55} + 2p_{7,47} + 2p_{7,31} + p_{7,95})\end{aligned}}$$

$$p_{8,122} = \frac{1}{2}p_{7,122} - \frac{1}{2}\sqrt{\begin{aligned}&p_{7,122}^2 - 4(p_{7,0} + 2p_{7,64} + 2p_{7,32} + p_{6,16} + p_{7,112} + p_{7,8}\\ &+ p_{7,104} + p_{7,24} + 2p_{7,88} + 3p_{7,4} + 2p_{7,68} + 2p_{7,36} + 4p_{7,100} + p_{6,20}\\ &+ p_{7,52} + p_{7,76} + 4p_{7,108} + 2p_{7,28} + p_{7,92} + p_{7,2} + 2p_{6,34} + 2p_{7,82}\\ &+ p_{7,50} + p_{6,10} + p_{7,42} + 2p_{7,122} + 2p_{7,70} + 2p_{7,102} + p_{6,54} + p_{7,14}\\ &+ p_{7,110} + 2p_{7,30} + 3p_{7,94} + p_{7,126} + p_{7,1} + 2p_{7,97} + 2p_{7,81} + p_{7,113}\\ &+ p_{7,9} + 2p_{7,73} + p_{6,41} + p_{7,89} + 2p_{6,57} + 2p_{7,53} + p_{7,117} + 2p_{7,77}\\ &+ p_{6,45} + p_{6,29} + 2p_{7,61} + p_{7,125} + 2p_{7,67} + 2p_{7,35} + 3p_{7,99} + p_{6,19}\\ &+ 5p_{7,51} + 2p_{7,115} + 2p_{6,27} + 4p_{7,59} + p_{7,123} + p_{7,39} + 2p_{7,103}\\ &+ 3p_{7,23} + p_{6,55} + 2p_{7,111} + p_{7,31} + 2p_{7,95})\end{aligned}}$$

$$p_{8,250} = \frac{1}{2}p_{7,122} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,122}^2 - 4(p_{7,0} + 2p_{7,64} + 2p_{7,32} + p_{6,16} + p_{7,112} + p_{7,8}\\&+ p_{7,104} + p_{7,24} + 2p_{7,88} + 3p_{7,4} + 2p_{7,68} + 2p_{7,36} + 4p_{7,100} + p_{6,20}\\&+ p_{7,52} + p_{7,76} + 4p_{7,108} + 2p_{7,28} + p_{7,92} + p_{7,2} + 2p_{6,34} + 2p_{7,82}\\&+ p_{7,50} + p_{6,10} + p_{7,42} + 2p_{7,122} + 2p_{7,70} + 2p_{7,102} + p_{6,54} + p_{7,14}\\&+ p_{7,110} + 2p_{7,30} + 3p_{7,94} + p_{7,126} + p_{7,1} + 2p_{7,97} + 2p_{7,81} + p_{7,113}\\&+ p_{7,9} + 2p_{7,73} + p_{6,41} + p_{7,89} + 2p_{6,57} + 2p_{7,53} + p_{7,117} + 2p_{7,77}\\&+ p_{6,45} + p_{6,29} + 2p_{7,61} + p_{7,125} + 2p_{7,67} + 2p_{7,35} + 3p_{7,99} + p_{6,19}\\&+ 5p_{7,51} + 2p_{7,115} + 2p_{6,27} + 4p_{7,59} + p_{7,123} + p_{7,39} + 2p_{7,103}\\&+ 3p_{7,23} + p_{6,55} + 2p_{7,111} + p_{7,31} + 2p_{7,95})\end{aligned}}$$

$$p_{8,6} = \frac{1}{2}p_{7,6} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,6}^2 - 4(p_{7,64} + p_{6,32} + 3p_{7,16} + 2p_{7,80} + 2p_{7,48} + 4p_{7,112}\\&+ 2p_{7,40} + p_{7,104} + p_{7,88} + 4p_{7,120} + p_{7,36} + 2p_{7,100} + p_{7,20} + p_{7,116}\\&+ p_{7,12} + 2p_{7,76} + 2p_{7,44} + p_{6,28} + p_{7,124} + p_{6,2} + 2p_{7,82} + 2p_{7,114}\\&+ p_{7,10} + 2p_{7,42} + 3p_{7,106} + p_{7,26} + p_{7,122} + 2p_{7,6} + p_{6,22} + p_{7,54}\\&+ p_{7,14} + 2p_{6,46} + 2p_{7,94} + p_{7,62} + p_{7,1} + 2p_{7,65} + p_{7,9} + 2p_{7,73}\\&+ p_{6,41} + 2p_{7,89} + p_{6,57} + 2p_{6,5} + p_{7,101} + p_{7,21} + 2p_{7,85} + p_{6,53}\\&+ p_{7,13} + 2p_{7,109} + 2p_{7,93} + p_{7,125} + p_{6,3} + 3p_{7,35} + p_{7,51} + 2p_{7,115}\\&+ p_{7,43} + 2p_{7,107} + 2p_{7,123} + p_{7,7} + 4p_{7,71} + 2p_{6,39} + 2p_{7,79} + 2p_{7,47}\\&+ 3p_{7,111} + p_{6,31} + 5p_{7,63} + 2p_{7,127})\end{aligned}}$$

$$p_{8,134} = \frac{1}{2}p_{7,6} - \frac{1}{2}\sqrt{\begin{aligned}&p_{7,6}^2 - 4(p_{7,64} + p_{6,32} + 3p_{7,16} + 2p_{7,80} + 2p_{7,48} + 4p_{7,112}\\&+ 2p_{7,40} + p_{7,104} + p_{7,88} + 4p_{7,120} + p_{7,36} + 2p_{7,100} + p_{7,20} + p_{7,116}\\&+ p_{7,12} + 2p_{7,76} + 2p_{7,44} + p_{6,28} + p_{7,124} + p_{6,2} + 2p_{7,82} + 2p_{7,114}\\&+ p_{7,10} + 2p_{7,42} + 3p_{7,106} + p_{7,26} + p_{7,122} + 2p_{7,6} + p_{6,22} + p_{7,54}\\&+ p_{7,14} + 2p_{6,46} + 2p_{7,94} + p_{7,62} + p_{7,1} + 2p_{7,65} + p_{7,9} + 2p_{7,73}\\&+ p_{6,41} + 2p_{7,89} + p_{6,57} + 2p_{6,5} + p_{7,101} + p_{7,21} + 2p_{7,85} + p_{6,53}\\&+ p_{7,13} + 2p_{7,109} + 2p_{7,93} + p_{7,125} + p_{6,3} + 3p_{7,35} + p_{7,51} + 2p_{7,115}\\&+ p_{7,43} + 2p_{7,107} + 2p_{7,123} + p_{7,7} + 4p_{7,71} + 2p_{6,39} + 2p_{7,79} + 2p_{7,47}\\&+ 3p_{7,111} + p_{6,31} + 5p_{7,63} + 2p_{7,127})\end{aligned}}$$

$$p_{8,70} = \frac{1}{2}p_{7,70} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,70}^2 - 4(p_{7,0} + p_{6,32} + 2p_{7,16} + 3p_{7,80} + 4p_{7,48} + 2p_{7,112}\\&+ p_{7,40} + 2p_{7,104} + p_{7,24} + 4p_{7,56} + 2p_{7,36} + p_{7,100} + p_{7,84} + p_{7,52}\\&+ 2p_{7,12} + p_{7,76} + 2p_{7,108} + p_{6,28} + p_{7,60} + p_{6,2} + 2p_{7,18} + 2p_{7,50}\\&+ p_{7,74} + 3p_{7,42} + 2p_{7,106} + p_{7,90} + p_{7,58} + 2p_{7,70} + p_{6,22} + p_{7,118}\\&+ p_{7,78} + 2p_{6,46} + 2p_{7,30} + p_{7,126} + 2p_{7,1} + p_{7,65} + 2p_{7,9} + p_{7,73}\\&+ p_{6,41} + 2p_{7,25} + p_{6,57} + 2p_{6,5} + p_{7,37} + 2p_{7,21} + p_{7,85} + p_{6,53}\\&+ p_{7,77} + 2p_{7,45} + 2p_{7,29} + p_{7,61} + p_{6,3} + 3p_{7,99} + 2p_{7,51} + p_{7,115}\\&+ 2p_{7,43} + p_{7,107} + 2p_{7,59} + 4p_{7,7} + p_{7,71} + 2p_{6,39} + 2p_{7,15} + 3p_{7,47}\\&+ 2p_{7,111} + p_{6,31} + 2p_{7,63} + 5p_{7,127})\end{aligned}}$$

$$p_{8,198} = \frac{1}{2}p_{7,70} - \frac{1}{2}\sqrt{\begin{aligned}&p_{7,70}^2 - 4(p_{7,0} + p_{6,32} + 2p_{7,16} + 3p_{7,80} + 4p_{7,48} + 2p_{7,112}\\ &+ p_{7,40} + 2p_{7,104} + p_{7,24} + 4p_{7,56} + 2p_{7,36} + p_{7,100} + p_{7,84} + p_{7,52}\\ &+ 2p_{7,12} + p_{7,76} + 2p_{7,108} + p_{6,28} + p_{7,60} + p_{6,2} + 2p_{7,18} + 2p_{7,50}\\ &+ p_{7,74} + 3p_{7,42} + 2p_{7,106} + p_{7,90} + p_{7,58} + 2p_{7,70} + p_{6,22} + p_{7,118}\\ &+ p_{7,78} + 2p_{6,46} + 2p_{7,30} + p_{7,126} + 2p_{7,1} + p_{7,65} + 2p_{7,9} + p_{7,73}\\ &+ p_{6,41} + 2p_{7,25} + p_{6,57} + 2p_{6,5} + p_{7,37} + 2p_{7,21} + p_{7,85} + p_{6,53}\\ &+ p_{7,77} + 2p_{7,45} + 2p_{7,29} + p_{7,61} + p_{6,3} + 3p_{7,99} + 2p_{7,51} + p_{7,115}\\ &+ 2p_{7,43} + p_{7,107} + 2p_{7,59} + 4p_{7,7} + p_{7,71} + 2p_{6,39} + 2p_{7,15} + 3p_{7,47}\\ &+ 2p_{7,111} + p_{6,31} + 2p_{7,63} + 5p_{7,127})\end{aligned}}$$

$$p_{8,38} = \frac{1}{2}p_{7,38} - \frac{1}{2}\sqrt{\begin{aligned}&p_{7,38}^2 - 4(p_{6,0} + p_{7,96} + 4p_{7,16} + 2p_{7,80} + 3p_{7,48} + 2p_{7,112}\\ &+ p_{7,8} + 2p_{7,72} + 4p_{7,24} + p_{7,120} + 2p_{7,4} + p_{7,68} + p_{7,20} + p_{7,52}\\ &+ 2p_{7,76} + p_{7,44} + 2p_{7,108} + p_{7,28} + p_{6,60} + p_{6,34} + 2p_{7,18} + 2p_{7,114}\\ &+ 3p_{7,10} + 2p_{7,74} + p_{7,42} + p_{7,26} + p_{7,58} + 2p_{7,38} + p_{7,86} + p_{6,54}\\ &+ 2p_{6,14} + p_{7,46} + p_{7,94} + 2p_{7,126} + p_{7,33} + 2p_{7,97} + p_{6,9} + p_{7,41}\\ &+ 2p_{7,105} + p_{6,25} + 2p_{7,121} + p_{7,5} + 2p_{6,37} + p_{6,21} + p_{7,53} + 2p_{7,117}\\ &+ 2p_{7,13} + p_{7,45} + p_{7,29} + 2p_{7,125} + 3p_{7,67} + p_{6,35} + 2p_{7,19} + p_{7,83}\\ &+ 2p_{7,11} + p_{7,75} + 2p_{7,27} + 2p_{6,7} + p_{7,39} + 4p_{7,103} + 3p_{7,15} + 2p_{7,79}\\ &+ 2p_{7,111} + 2p_{7,31} + 5p_{7,95} + p_{6,63})\end{aligned}}$$

$$p_{8,166} = \frac{1}{2}p_{7,38} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,38}^2 - 4(p_{6,0} + p_{7,96} + 4p_{7,16} + 2p_{7,80} + 3p_{7,48} + 2p_{7,112}\\ &+ p_{7,8} + 2p_{7,72} + 4p_{7,24} + p_{7,120} + 2p_{7,4} + p_{7,68} + p_{7,20} + p_{7,52}\\ &+ 2p_{7,76} + p_{7,44} + 2p_{7,108} + p_{7,28} + p_{6,60} + p_{6,34} + 2p_{7,18} + 2p_{7,114}\\ &+ 3p_{7,10} + 2p_{7,74} + p_{7,42} + p_{7,26} + p_{7,58} + 2p_{7,38} + p_{7,86} + p_{6,54}\\ &+ 2p_{6,14} + p_{7,46} + p_{7,94} + 2p_{7,126} + p_{7,33} + 2p_{7,97} + p_{6,9} + p_{7,41}\\ &+ 2p_{7,105} + p_{6,25} + 2p_{7,121} + p_{7,5} + 2p_{6,37} + p_{6,21} + p_{7,53} + 2p_{7,117}\\ &+ 2p_{7,13} + p_{7,45} + p_{7,29} + 2p_{7,125} + 3p_{7,67} + p_{6,35} + 2p_{7,19} + p_{7,83}\\ &+ 2p_{7,11} + p_{7,75} + 2p_{7,27} + 2p_{6,7} + p_{7,39} + 4p_{7,103} + 3p_{7,15} + 2p_{7,79}\\ &+ 2p_{7,111} + 2p_{7,31} + 5p_{7,95} + p_{6,63})\end{aligned}}$$

$$p_{8,102} = \frac{1}{2}p_{7,102} - \frac{1}{2}\sqrt{\begin{aligned}&p_{7,102}^2 - 4(p_{6,0} + p_{7,32} + 2p_{7,16} + 4p_{7,80} + 2p_{7,48} + 3p_{7,112}\\ &+ 2p_{7,8} + p_{7,72} + 4p_{7,88} + p_{7,56} + p_{7,4} + 2p_{7,68} + p_{7,84} + p_{7,116}\\ &+ 2p_{7,12} + 2p_{7,44} + p_{7,108} + p_{7,92} + p_{6,60} + p_{6,34} + 2p_{7,82} + 2p_{7,50}\\ &+ 2p_{7,10} + 3p_{7,74} + p_{7,106} + p_{7,90} + p_{7,122} + 2p_{7,102} + p_{7,22} + p_{6,54}\\ &+ 2p_{6,14} + p_{7,110} + p_{7,30} + 2p_{7,62} + 2p_{7,33} + p_{7,97} + p_{6,9} + 2p_{7,41}\\ &+ p_{7,105} + p_{6,25} + 2p_{7,57} + p_{7,69} + 2p_{6,37} + p_{6,21} + 2p_{7,53} + p_{7,117}\\ &+ 2p_{7,77} + p_{7,109} + p_{7,93} + 2p_{7,61} + 3p_{7,3} + p_{6,35} + p_{7,19} + 2p_{7,83}\\ &+ p_{7,11} + 2p_{7,75} + 2p_{7,91} + 2p_{6,7} + 4p_{7,39} + p_{7,103} + 2p_{7,15} + 3p_{7,79}\\ &+ 2p_{7,47} + 5p_{7,31} + 2p_{7,95} + p_{6,63})\end{aligned}}$$

$$p_{8,230} = \frac{1}{2}p_{7,102} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,102}^2 - 4(p_{6,0} + p_{7,32} + 2p_{7,16} + 4p_{7,80} + 2p_{7,48} + 3p_{7,112}\\&+ 2p_{7,8} + p_{7,72} + 4p_{7,88} + p_{7,56} + p_{7,4} + 2p_{7,68} + p_{7,84} + p_{7,116}\\&+ 2p_{7,12} + 2p_{7,44} + p_{7,108} + p_{7,92} + p_{6,60} + p_{6,34} + 2p_{7,82} + 2p_{7,50}\\&+ 2p_{7,10} + 3p_{7,74} + p_{7,106} + p_{7,90} + p_{7,122} + 2p_{7,102} + p_{7,22} + p_{6,54}\\&+ 2p_{6,14} + p_{7,110} + p_{7,30} + 2p_{7,62} + 2p_{7,33} + p_{7,97} + p_{6,9} + 2p_{7,41}\\&+ p_{7,105} + p_{6,25} + 2p_{7,57} + p_{7,69} + 2p_{6,37} + p_{6,21} + 2p_{7,53} + p_{7,117}\\&+ 2p_{7,77} + p_{7,109} + p_{7,93} + 2p_{7,61} + 3p_{7,3} + p_{6,35} + p_{7,19} + 2p_{7,83}\\&+ p_{7,11} + 2p_{7,75} + 2p_{7,91} + 2p_{6,7} + 4p_{7,39} + p_{7,103} + 2p_{7,15} + 3p_{7,79}\\&+ 2p_{7,47} + 5p_{7,31} + 2p_{7,95} + p_{6,63})\end{aligned}}$$

$$p_{8,22} = \frac{1}{2}p_{7,22} - \frac{1}{2}\sqrt{\begin{aligned}&p_{7,22}^2 - 4(4p_{7,0} + 2p_{7,64} + 3p_{7,32} + 2p_{7,96} + p_{7,80} + p_{6,48}\\&+ 4p_{7,8} + p_{7,104} + 2p_{7,56} + p_{7,120} + p_{7,4} + p_{7,36} + p_{7,52} + 2p_{7,116}\\&+ p_{7,12} + p_{6,44} + p_{7,28} + 2p_{7,92} + 2p_{7,60} + 2p_{7,2} + 2p_{7,98} + p_{6,18}\\&+ p_{7,10} + p_{7,42} + p_{7,26} + 2p_{7,58} + 3p_{7,122} + p_{7,70} + p_{6,38} + 2p_{7,22}\\&+ p_{7,78} + 2p_{7,110} + p_{7,30} + 2p_{6,62} + p_{7,17} + 2p_{7,81} + p_{6,9} + 2p_{7,105}\\&+ p_{7,25} + 2p_{7,89} + p_{6,57} + p_{6,5} + p_{7,37} + 2p_{7,101} + 2p_{6,21} + p_{7,117}\\&+ p_{7,13} + 2p_{7,109} + p_{7,29} + 2p_{7,125} + 2p_{7,3} + p_{7,67} + p_{6,19} + 3p_{7,51}\\&+ 2p_{7,11} + p_{7,59} + 2p_{7,123} + p_{7,23} + 4p_{7,87} + 2p_{6,55} + 2p_{7,15} + 5p_{7,79}\\&+ p_{6,47} + 2p_{7,95} + 2p_{7,63} + 3p_{7,127})\end{aligned}}$$

$$p_{8,150} = \frac{1}{2}p_{7,22} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,22}^2 - 4(4p_{7,0} + 2p_{7,64} + 3p_{7,32} + 2p_{7,96} + p_{7,80} + p_{6,48}\\&+ 4p_{7,8} + p_{7,104} + 2p_{7,56} + p_{7,120} + p_{7,4} + p_{7,36} + p_{7,52} + 2p_{7,116}\\&+ p_{7,12} + p_{6,44} + p_{7,28} + 2p_{7,92} + 2p_{7,60} + 2p_{7,2} + 2p_{7,98} + p_{6,18}\\&+ p_{7,10} + p_{7,42} + p_{7,26} + 2p_{7,58} + 3p_{7,122} + p_{7,70} + p_{6,38} + 2p_{7,22}\\&+ p_{7,78} + 2p_{7,110} + p_{7,30} + 2p_{6,62} + p_{7,17} + 2p_{7,81} + p_{6,9} + 2p_{7,105}\\&+ p_{7,25} + 2p_{7,89} + p_{6,57} + p_{6,5} + p_{7,37} + 2p_{7,101} + 2p_{6,21} + p_{7,117}\\&+ p_{7,13} + 2p_{7,109} + p_{7,29} + 2p_{7,125} + 2p_{7,3} + p_{7,67} + p_{6,19} + 3p_{7,51}\\&+ 2p_{7,11} + p_{7,59} + 2p_{7,123} + p_{7,23} + 4p_{7,87} + 2p_{6,55} + 2p_{7,15} + 5p_{7,79}\\&+ p_{6,47} + 2p_{7,95} + 2p_{7,63} + 3p_{7,127})\end{aligned}}$$

$$p_{8,86} = \frac{1}{2}p_{7,86} - \frac{1}{2}\sqrt{\begin{aligned}&p_{7,86}^2 - 4(2p_{7,0} + 4p_{7,64} + 2p_{7,32} + 3p_{7,96} + p_{7,16} + p_{6,48}\\&+ 4p_{7,72} + p_{7,40} + p_{7,56} + 2p_{7,120} + p_{7,68} + p_{7,100} + 2p_{7,52} + p_{7,116}\\&+ p_{7,76} + p_{6,44} + 2p_{7,28} + p_{7,92} + 2p_{7,124} + 2p_{7,66} + 2p_{7,34} + p_{6,18}\\&+ p_{7,74} + p_{7,106} + p_{7,90} + 3p_{7,58} + 2p_{7,122} + p_{7,6} + p_{6,38} + 2p_{7,86}\\&+ p_{7,14} + 2p_{7,46} + p_{7,94} + 2p_{6,62} + 2p_{7,17} + p_{7,81} + p_{6,9} + 2p_{7,41}\\&+ 2p_{7,25} + p_{7,89} + p_{6,57} + p_{6,5} + 2p_{7,37} + p_{7,101} + 2p_{6,21} + p_{7,53}\\&+ p_{7,77} + 2p_{7,45} + p_{7,93} + 2p_{7,61} + p_{7,3} + 2p_{7,67} + p_{6,19} + 3p_{7,115}\\&+ 2p_{7,75} + 2p_{7,59} + p_{7,123} + 4p_{7,23} + p_{7,87} + 2p_{6,55} + 5p_{7,15} + 2p_{7,79}\\&+ p_{6,47} + 2p_{7,31} + 3p_{7,63} + 2p_{7,127})\end{aligned}}$$

$$p_{8,214} = \frac{1}{2}p_{7,86} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,86}^2 - 4(2p_{7,0} + 4p_{7,64} + 2p_{7,32} + 3p_{7,96} + p_{7,16} + p_{6,48}\\&+ 4p_{7,72} + p_{7,40} + p_{7,56} + 2p_{7,120} + p_{7,68} + p_{7,100} + 2p_{7,52} + p_{7,116}\\&+ p_{7,76} + p_{6,44} + 2p_{7,28} + p_{7,92} + 2p_{7,124} + 2p_{7,66} + 2p_{7,34} + p_{6,18}\\&+ p_{7,74} + p_{7,106} + p_{7,90} + 3p_{7,58} + 2p_{7,122} + p_{7,6} + p_{6,38} + 2p_{7,86}\\&+ p_{7,14} + 2p_{7,46} + p_{7,94} + 2p_{6,62} + 2p_{7,17} + p_{7,81} + p_{6,9} + 2p_{7,41}\\&+ 2p_{7,25} + p_{7,89} + p_{6,57} + p_{6,5} + 2p_{7,37} + p_{7,101} + 2p_{6,21} + p_{7,53}\\&+ p_{7,77} + 2p_{7,45} + p_{7,93} + 2p_{7,61} + p_{7,3} + 2p_{7,67} + p_{6,19} + 3p_{7,115}\\&+ 2p_{7,75} + 2p_{7,59} + p_{7,123} + 4p_{7,23} + p_{7,87} + 2p_{6,55} + 5p_{7,15} + 2p_{7,79}\\&+ p_{6,47} + 2p_{7,31} + 3p_{7,63} + 2p_{7,127})\end{aligned}}$$

$$p_{8,54} = \frac{1}{2}p_{7,54} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,54}^2 - 4(2p_{7,0} + 3p_{7,64} + 4p_{7,32} + 2p_{7,96} + p_{6,16} + p_{7,112}\\&+ p_{7,8} + 4p_{7,40} + p_{7,24} + 2p_{7,88} + p_{7,68} + p_{7,36} + 2p_{7,20} + p_{7,84}\\&+ p_{6,12} + p_{7,44} + 2p_{7,92} + p_{7,60} + 2p_{7,124} + 2p_{7,2} + 2p_{7,34} + p_{6,50}\\&+ p_{7,74} + p_{7,42} + 3p_{7,26} + 2p_{7,90} + p_{7,58} + p_{6,6} + p_{7,102} + 2p_{7,54}\\&+ 2p_{7,14} + p_{7,110} + 2p_{6,30} + p_{7,62} + p_{7,49} + 2p_{7,113} + 2p_{7,9} + p_{6,41}\\&+ p_{6,25} + p_{7,57} + 2p_{7,121} + 2p_{7,5} + p_{7,69} + p_{6,37} + p_{7,21} + 2p_{6,53}\\&+ 2p_{7,13} + p_{7,45} + 2p_{7,29} + p_{7,61} + 2p_{7,35} + p_{7,99} + 3p_{7,83} + p_{6,51}\\&+ 2p_{7,43} + 2p_{7,27} + p_{7,91} + 2p_{6,23} + p_{7,55} + 4p_{7,119} + p_{6,15} + 2p_{7,47}\\&+ 5p_{7,111} + 3p_{7,31} + 2p_{7,95} + 2p_{7,127})\end{aligned}}$$

$$p_{8,182} = \frac{1}{2}p_{7,54} - \frac{1}{2}\sqrt{\begin{aligned}&p_{7,54}^2 - 4(2p_{7,0} + 3p_{7,64} + 4p_{7,32} + 2p_{7,96} + p_{6,16} + p_{7,112}\\&+ p_{7,8} + 4p_{7,40} + p_{7,24} + 2p_{7,88} + p_{7,68} + p_{7,36} + 2p_{7,20} + p_{7,84}\\&+ p_{6,12} + p_{7,44} + 2p_{7,92} + p_{7,60} + 2p_{7,124} + 2p_{7,2} + 2p_{7,34} + p_{6,50}\\&+ p_{7,74} + p_{7,42} + 3p_{7,26} + 2p_{7,90} + p_{7,58} + p_{6,6} + p_{7,102} + 2p_{7,54}\\&+ 2p_{7,14} + p_{7,110} + 2p_{6,30} + p_{7,62} + p_{7,49} + 2p_{7,113} + 2p_{7,9} + p_{6,41}\\&+ p_{6,25} + p_{7,57} + 2p_{7,121} + 2p_{7,5} + p_{7,69} + p_{6,37} + p_{7,21} + 2p_{6,53}\\&+ 2p_{7,13} + p_{7,45} + 2p_{7,29} + p_{7,61} + 2p_{7,35} + p_{7,99} + 3p_{7,83} + p_{6,51}\\&+ 2p_{7,43} + 2p_{7,27} + p_{7,91} + 2p_{6,23} + p_{7,55} + 4p_{7,119} + p_{6,15} + 2p_{7,47}\\&+ 5p_{7,111} + 3p_{7,31} + 2p_{7,95} + 2p_{7,127})\end{aligned}}$$

$$p_{8,118} = \frac{1}{2}p_{7,118} - \frac{1}{2}\sqrt{\begin{aligned}&p_{7,118}^2 - 4(3p_{7,0} + 2p_{7,64} + 2p_{7,32} + 4p_{7,96} + p_{6,16} + p_{7,48}\\&+ p_{7,72} + 4p_{7,104} + 2p_{7,24} + p_{7,88} + p_{7,4} + p_{7,100} + p_{7,20} + 2p_{7,84}\\&+ p_{6,12} + p_{7,108} + 2p_{7,28} + 2p_{7,60} + p_{7,124} + 2p_{7,66} + 2p_{7,98} + p_{6,50}\\&+ p_{7,10} + p_{7,106} + 2p_{7,26} + 3p_{7,90} + p_{7,122} + p_{6,6} + p_{7,38} + 2p_{7,118}\\&+ 2p_{7,78} + p_{7,46} + 2p_{6,30} + p_{7,126} + 2p_{7,49} + p_{7,113} + 2p_{7,73} + p_{6,41}\\&+ p_{6,25} + 2p_{7,57} + p_{7,121} + p_{7,5} + 2p_{7,69} + p_{6,37} + p_{7,85} + 2p_{6,53}\\&+ 2p_{7,77} + p_{7,109} + 2p_{7,93} + p_{7,125} + p_{7,35} + 2p_{7,99} + 3p_{7,19} + p_{6,51}\\&+ 2p_{7,107} + p_{7,27} + 2p_{7,91} + 2p_{6,23} + 4p_{7,55} + p_{7,119} + p_{6,15} + 5p_{7,47}\\&+ 2p_{7,111} + 2p_{7,31} + 3p_{7,95} + 2p_{7,63})\end{aligned}}$$

$$p_{8,246} = \frac{1}{2}p_{7,118} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,118}^2 - 4(3p_{7,0} + 2p_{7,64} + 2p_{7,32} + 4p_{7,96} + p_{6,16} + p_{7,48}\\&+ p_{7,72} + 4p_{7,104} + 2p_{7,24} + p_{7,88} + p_{7,4} + p_{7,100} + p_{7,20} + 2p_{7,84}\\&+ p_{6,12} + p_{7,108} + 2p_{7,28} + 2p_{7,60} + p_{7,124} + 2p_{7,66} + 2p_{7,98} + p_{6,50}\\&+ p_{7,10} + p_{7,106} + 2p_{7,26} + 3p_{7,90} + p_{7,122} + p_{6,6} + p_{7,38} + 2p_{7,118}\\&+ 2p_{7,78} + p_{7,46} + 2p_{6,30} + p_{7,126} + 2p_{7,49} + p_{7,113} + 2p_{7,73} + p_{6,41}\\&+ p_{6,25} + 2p_{7,57} + p_{7,121} + p_{7,5} + 2p_{7,69} + p_{6,37} + p_{7,85} + 2p_{6,53}\\&+ 2p_{7,77} + p_{7,109} + 2p_{7,93} + p_{7,125} + p_{7,35} + 2p_{7,99} + 3p_{7,19} + p_{6,51}\\&+ 2p_{7,107} + p_{7,27} + 2p_{7,91} + 2p_{6,23} + 4p_{7,55} + p_{7,119} + p_{6,15} + 5p_{7,47}\\&+ 2p_{7,111} + 2p_{7,31} + 3p_{7,95} + 2p_{7,63})\end{aligned}}$$

$$p_{8,14} = \frac{1}{2}p_{7,14} - \frac{1}{2}\sqrt{\begin{aligned}&p_{7,14}^2 - 4(4p_{7,0} + p_{7,96} + 2p_{7,48} + p_{7,112} + p_{7,72} + p_{6,40}\\&+ 3p_{7,24} + 2p_{7,88} + 2p_{7,56} + 4p_{7,120} + p_{7,4} + p_{6,36} + p_{7,20} + 2p_{7,84}\\&+ 2p_{7,52} + p_{7,44} + 2p_{7,108} + p_{7,28} + p_{7,124} + p_{7,2} + p_{7,34} + p_{7,18}\\&+ 2p_{7,50} + 3p_{7,114} + p_{6,10} + 2p_{7,90} + 2p_{7,122} + p_{7,70} + 2p_{7,102}\\&+ p_{7,22} + 2p_{6,54} + 2p_{7,14} + p_{6,30} + p_{7,62} + p_{6,1} + 2p_{7,97} + p_{7,17}\\&+ 2p_{7,81} + p_{6,49} + p_{7,9} + 2p_{7,73} + p_{7,5} + 2p_{7,101} + p_{7,21} + 2p_{7,117}\\&+ 2p_{6,13} + p_{7,109} + p_{7,29} + 2p_{7,93} + p_{6,61} + 2p_{7,3} + p_{7,51} + 2p_{7,115}\\&+ p_{6,11} + 3p_{7,43} + p_{7,59} + 2p_{7,123} + 2p_{7,7} + 5p_{7,71} + p_{6,39} + 2p_{7,87}\\&+ 2p_{7,55} + 3p_{7,119} + p_{7,15} + 4p_{7,79} + 2p_{6,47})\end{aligned}}$$

$$p_{8,142} = \frac{1}{2}p_{7,14} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,14}^2 - 4(4p_{7,0} + p_{7,96} + 2p_{7,48} + p_{7,112} + p_{7,72} + p_{6,40}\\&+ 3p_{7,24} + 2p_{7,88} + 2p_{7,56} + 4p_{7,120} + p_{7,4} + p_{6,36} + p_{7,20} + 2p_{7,84}\\&+ 2p_{7,52} + p_{7,44} + 2p_{7,108} + p_{7,28} + p_{7,124} + p_{7,2} + p_{7,34} + p_{7,18}\\&+ 2p_{7,50} + 3p_{7,114} + p_{6,10} + 2p_{7,90} + 2p_{7,122} + p_{7,70} + 2p_{7,102}\\&+ p_{7,22} + 2p_{6,54} + 2p_{7,14} + p_{6,30} + p_{7,62} + p_{6,1} + 2p_{7,97} + p_{7,17}\\&+ 2p_{7,81} + p_{6,49} + p_{7,9} + 2p_{7,73} + p_{7,5} + 2p_{7,101} + p_{7,21} + 2p_{7,117}\\&+ 2p_{6,13} + p_{7,109} + p_{7,29} + 2p_{7,93} + p_{6,61} + 2p_{7,3} + p_{7,51} + 2p_{7,115}\\&+ p_{6,11} + 3p_{7,43} + p_{7,59} + 2p_{7,123} + 2p_{7,7} + 5p_{7,71} + p_{6,39} + 2p_{7,87}\\&+ 2p_{7,55} + 3p_{7,119} + p_{7,15} + 4p_{7,79} + 2p_{6,47})\end{aligned}}$$

$$p_{8,78} = \frac{1}{2}p_{7,78} - \frac{1}{2}\sqrt{\begin{aligned}&p_{7,78}^2 - 4(4p_{7,64} + p_{7,32} + p_{7,48} + 2p_{7,112} + p_{7,8} + p_{6,40}\\&+ 2p_{7,24} + 3p_{7,88} + 4p_{7,56} + 2p_{7,120} + p_{7,68} + p_{6,36} + 2p_{7,20} + p_{7,84}\\&+ 2p_{7,116} + 2p_{7,44} + p_{7,108} + p_{7,92} + p_{7,60} + p_{7,66} + p_{7,98} + p_{7,82}\\&+ 3p_{7,50} + 2p_{7,114} + p_{6,10} + 2p_{7,26} + 2p_{7,58} + p_{7,6} + 2p_{7,38} + p_{7,86}\\&+ 2p_{6,54} + 2p_{7,78} + p_{6,30} + p_{7,126} + p_{6,1} + 2p_{7,33} + 2p_{7,17} + p_{7,81}\\&+ p_{6,49} + 2p_{7,9} + p_{7,73} + p_{7,69} + 2p_{7,37} + p_{7,85} + 2p_{7,53} + 2p_{6,13}\\&+ p_{7,45} + 2p_{7,29} + p_{7,93} + p_{6,61} + 2p_{7,67} + 2p_{7,51} + p_{7,115} + p_{6,11}\\&+ 3p_{7,107} + 2p_{7,59} + p_{7,123} + 5p_{7,7} + 2p_{7,71} + p_{6,39} + 2p_{7,23} + 3p_{7,55}\\&+ 2p_{7,119} + 4p_{7,15} + p_{7,79} + 2p_{6,47})\end{aligned}}$$

$$p_{8,206} = \frac{1}{2}p_{7,78} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,78}^2 - 4(4p_{7,64} + p_{7,32} + p_{7,48} + 2p_{7,112} + p_{7,8} + p_{6,40}\\&+ 2p_{7,24} + 3p_{7,88} + 4p_{7,56} + 2p_{7,120} + p_{7,68} + p_{6,36} + 2p_{7,20} + p_{7,84}\\&+ 2p_{7,116} + 2p_{7,44} + p_{7,108} + p_{7,92} + p_{7,60} + p_{7,66} + p_{7,98} + p_{7,82}\\&+ 3p_{7,50} + 2p_{7,114} + p_{6,10} + 2p_{7,26} + 2p_{7,58} + p_{7,6} + 2p_{7,38} + p_{7,86}\\&+ 2p_{6,54} + 2p_{7,78} + p_{6,30} + p_{7,126} + p_{6,1} + 2p_{7,33} + 2p_{7,17} + p_{7,81}\\&+ p_{6,49} + 2p_{7,9} + p_{7,73} + p_{7,69} + 2p_{7,37} + p_{7,85} + 2p_{7,53} + 2p_{6,13}\\&+ p_{7,45} + 2p_{7,29} + p_{7,93} + p_{6,61} + 2p_{7,67} + 2p_{7,51} + p_{7,115} + p_{6,11}\\&+ 3p_{7,107} + 2p_{7,59} + p_{7,123} + 5p_{7,7} + 2p_{7,71} + p_{6,39} + 2p_{7,23} + 3p_{7,55}\\&+ 2p_{7,119} + 4p_{7,15} + p_{7,79} + 2p_{6,47})\end{aligned}}$$

$$p_{8,46} = \frac{1}{2}p_{7,46} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,46}^2 - 4(p_{7,0} + 4p_{7,32} + p_{7,16} + 2p_{7,80} + p_{6,8} + p_{7,104}\\&+ 4p_{7,24} + 2p_{7,88} + 3p_{7,56} + 2p_{7,120} + p_{6,4} + p_{7,36} + 2p_{7,84} + p_{7,52}\\&+ 2p_{7,116} + 2p_{7,12} + p_{7,76} + p_{7,28} + p_{7,60} + p_{7,66} + p_{7,34} + 3p_{7,18}\\&+ 2p_{7,82} + p_{7,50} + p_{6,42} + 2p_{7,26} + 2p_{7,122} + 2p_{7,6} + p_{7,102} + 2p_{6,22}\\&+ p_{7,54} + 2p_{7,46} + p_{7,94} + p_{6,62} + 2p_{7,1} + p_{6,33} + p_{6,17} + p_{7,49}\\&+ 2p_{7,113} + p_{7,41} + 2p_{7,105} + 2p_{7,5} + p_{7,37} + 2p_{7,21} + p_{7,53} + p_{7,13}\\&+ 2p_{6,45} + p_{6,29} + p_{7,61} + 2p_{7,125} + 2p_{7,35} + 2p_{7,19} + p_{7,83} + 3p_{7,75}\\&+ p_{6,43} + 2p_{7,27} + p_{7,91} + p_{6,7} + 2p_{7,39} + 5p_{7,103} + 3p_{7,23} + 2p_{7,87}\\&+ 2p_{7,119} + 2p_{6,15} + p_{7,47} + 4p_{7,111})\end{aligned}}$$

$$p_{8,174} = \frac{1}{2}p_{7,46} - \frac{1}{2}\sqrt{\begin{aligned}&p_{7,46}^2 - 4(p_{7,0} + 4p_{7,32} + p_{7,16} + 2p_{7,80} + p_{6,8} + p_{7,104}\\&+ 4p_{7,24} + 2p_{7,88} + 3p_{7,56} + 2p_{7,120} + p_{6,4} + p_{7,36} + 2p_{7,84} + p_{7,52}\\&+ 2p_{7,116} + 2p_{7,12} + p_{7,76} + p_{7,28} + p_{7,60} + p_{7,66} + p_{7,34} + 3p_{7,18}\\&+ 2p_{7,82} + p_{7,50} + p_{6,42} + 2p_{7,26} + 2p_{7,122} + 2p_{7,6} + p_{7,102} + 2p_{6,22}\\&+ p_{7,54} + 2p_{7,46} + p_{7,94} + p_{6,62} + 2p_{7,1} + p_{6,33} + p_{6,17} + p_{7,49}\\&+ 2p_{7,113} + p_{7,41} + 2p_{7,105} + 2p_{7,5} + p_{7,37} + 2p_{7,21} + p_{7,53} + p_{7,13}\\&+ 2p_{6,45} + p_{6,29} + p_{7,61} + 2p_{7,125} + 2p_{7,35} + 2p_{7,19} + p_{7,83} + 3p_{7,75}\\&+ p_{6,43} + 2p_{7,27} + p_{7,91} + p_{6,7} + 2p_{7,39} + 5p_{7,103} + 3p_{7,23} + 2p_{7,87}\\&+ 2p_{7,119} + 2p_{6,15} + p_{7,47} + 4p_{7,111})\end{aligned}}$$

$$p_{8,110} = \frac{1}{2}p_{7,110} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,110}^2 - 4(p_{7,64} + 4p_{7,96} + 2p_{7,16} + p_{7,80} + p_{6,8} + p_{7,40}\\&+ 2p_{7,24} + 4p_{7,88} + 2p_{7,56} + 3p_{7,120} + p_{6,4} + p_{7,100} + 2p_{7,20} + 2p_{7,52}\\&+ p_{7,116} + p_{7,12} + 2p_{7,76} + p_{7,92} + p_{7,124} + p_{7,2} + p_{7,98} + 2p_{7,18}\\&+ 3p_{7,82} + p_{7,114} + p_{6,42} + 2p_{7,90} + 2p_{7,58} + 2p_{7,70} + p_{7,38} + 2p_{6,22}\\&+ p_{7,118} + 2p_{7,110} + p_{7,30} + p_{6,62} + 2p_{7,65} + p_{6,33} + p_{6,17} + 2p_{7,49}\\&+ p_{7,113} + 2p_{7,41} + p_{7,105} + 2p_{7,69} + p_{7,101} + 2p_{7,85} + p_{7,117} + p_{7,77}\\&+ 2p_{6,45} + p_{6,29} + 2p_{7,61} + p_{7,125} + 2p_{7,99} + p_{7,19} + 2p_{7,83} + 3p_{7,11}\\&+ p_{6,43} + p_{7,27} + 2p_{7,91} + p_{6,7} + 5p_{7,39} + 2p_{7,103} + 2p_{7,23} + 3p_{7,87}\\&+ 2p_{7,55} + 2p_{6,15} + 4p_{7,47} + p_{7,111})\end{aligned}}$$

$$p_{8,238} = \frac{1}{2}p_{7,110} - \frac{1}{2}\sqrt{\begin{aligned}&p_{7,110}^2 - 4(p_{7,64} + 4p_{7,96} + 2p_{7,16} + p_{7,80} + p_{6,8} + p_{7,40}\\ &+ 2p_{7,24} + 4p_{7,88} + 2p_{7,56} + 3p_{7,120} + p_{6,4} + p_{7,100} + 2p_{7,20} + 2p_{7,52}\\ &+ p_{7,116} + p_{7,12} + 2p_{7,76} + p_{7,92} + p_{7,124} + p_{7,2} + p_{7,98} + 2p_{7,18}\\ &+ 3p_{7,82} + p_{7,114} + p_{6,42} + 2p_{7,90} + 2p_{7,58} + 2p_{7,70} + p_{7,38} + 2p_{6,22}\\ &+ p_{7,118} + 2p_{7,110} + p_{7,30} + p_{6,62} + 2p_{7,65} + p_{6,33} + p_{6,17} + 2p_{7,49}\\ &+ p_{7,113} + 2p_{7,41} + p_{7,105} + 2p_{7,69} + p_{7,101} + 2p_{7,85} + p_{7,117} + p_{7,77}\\ &+ 2p_{6,45} + p_{6,29} + 2p_{7,61} + p_{7,125} + 2p_{7,99} + p_{7,19} + 2p_{7,83} + 3p_{7,11}\\ &+ p_{6,43} + p_{7,27} + 2p_{7,91} + p_{6,7} + 5p_{7,39} + 2p_{7,103} + 2p_{7,23} + 3p_{7,87}\\ &+ 2p_{7,55} + 2p_{6,15} + 4p_{7,47} + p_{7,111})\end{aligned}}$$

$$p_{8,30} = \frac{1}{2}p_{7,30} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,30}^2 - 4(p_{7,0} + 2p_{7,64} + 4p_{7,16} + p_{7,112} + 4p_{7,8} + 2p_{7,72}\\ &+ 3p_{7,40} + 2p_{7,104} + p_{7,88} + p_{6,56} + 2p_{7,68} + p_{7,36} + 2p_{7,100} + p_{7,20}\\ &+ p_{6,52} + p_{7,12} + p_{7,44} + p_{7,60} + 2p_{7,124} + 3p_{7,2} + 2p_{7,66} + p_{7,34}\\ &+ p_{7,18} + p_{7,50} + 2p_{7,10} + 2p_{7,106} + p_{6,26} + 2p_{6,6} + p_{7,38} + p_{7,86}\\ &+ 2p_{7,118} + p_{7,78} + p_{6,46} + 2p_{7,30} + p_{6,1} + p_{7,33} + 2p_{7,97} + p_{6,17}\\ &+ 2p_{7,113} + p_{7,25} + 2p_{7,89} + 2p_{7,5} + p_{7,37} + p_{7,21} + 2p_{7,117} + p_{6,13}\\ &+ p_{7,45} + 2p_{7,109} + 2p_{6,29} + p_{7,125} + 2p_{7,3} + p_{7,67} + 2p_{7,19} + 2p_{7,11}\\ &+ p_{7,75} + p_{6,27} + 3p_{7,59} + 3p_{7,7} + 2p_{7,71} + 2p_{7,103} + 2p_{7,23} + 5p_{7,87}\\ &+ p_{6,55} + p_{7,31} + 4p_{7,95} + 2p_{6,63})\end{aligned}}$$

$$p_{8,158} = \frac{1}{2}p_{7,30} - \frac{1}{2}\sqrt{\begin{aligned}&p_{7,30}^2 - 4(p_{7,0} + 2p_{7,64} + 4p_{7,16} + p_{7,112} + 4p_{7,8} + 2p_{7,72}\\ &+ 3p_{7,40} + 2p_{7,104} + p_{7,88} + p_{6,56} + 2p_{7,68} + p_{7,36} + 2p_{7,100} + p_{7,20}\\ &+ p_{6,52} + p_{7,12} + p_{7,44} + p_{7,60} + 2p_{7,124} + 3p_{7,2} + 2p_{7,66} + p_{7,34}\\ &+ p_{7,18} + p_{7,50} + 2p_{7,10} + 2p_{7,106} + p_{6,26} + 2p_{6,6} + p_{7,38} + p_{7,86}\\ &+ 2p_{7,118} + p_{7,78} + p_{6,46} + 2p_{7,30} + p_{6,1} + p_{7,33} + 2p_{7,97} + p_{6,17}\\ &+ 2p_{7,113} + p_{7,25} + 2p_{7,89} + 2p_{7,5} + p_{7,37} + p_{7,21} + 2p_{7,117} + p_{6,13}\\ &+ p_{7,45} + 2p_{7,109} + 2p_{6,29} + p_{7,125} + 2p_{7,3} + p_{7,67} + 2p_{7,19} + 2p_{7,11}\\ &+ p_{7,75} + p_{6,27} + 3p_{7,59} + 3p_{7,7} + 2p_{7,71} + 2p_{7,103} + 2p_{7,23} + 5p_{7,87}\\ &+ p_{6,55} + p_{7,31} + 4p_{7,95} + 2p_{6,63})\end{aligned}}$$

$$p_{8,94} = \frac{1}{2}p_{7,94} - \frac{1}{2}\sqrt{\begin{aligned}&p_{7,94}^2 - 4(2p_{7,0} + p_{7,64} + 4p_{7,80} + p_{7,48} + 2p_{7,8} + 4p_{7,72}\\ &+ 2p_{7,40} + 3p_{7,104} + p_{7,24} + p_{6,56} + 2p_{7,4} + 2p_{7,36} + p_{7,100} + p_{7,84}\\ &+ p_{6,52} + p_{7,76} + p_{7,108} + 2p_{7,60} + p_{7,124} + 2p_{7,2} + 3p_{7,66} + p_{7,98}\\ &+ p_{7,82} + p_{7,114} + 2p_{7,74} + 2p_{7,42} + p_{6,26} + 2p_{6,6} + p_{7,102} + p_{7,22}\\ &+ 2p_{7,54} + p_{7,14} + p_{6,46} + 2p_{7,94} + p_{6,1} + 2p_{7,33} + p_{7,97} + p_{6,17}\\ &+ 2p_{7,49} + 2p_{7,25} + p_{7,89} + 2p_{7,69} + p_{7,101} + p_{7,85} + 2p_{7,53} + p_{6,13}\\ &+ 2p_{7,45} + p_{7,109} + 2p_{6,29} + p_{7,61} + p_{7,3} + 2p_{7,67} + 2p_{7,83} + p_{7,11}\\ &+ 2p_{7,75} + p_{6,27} + 3p_{7,123} + 2p_{7,7} + 3p_{7,71} + 2p_{7,39} + 5p_{7,23}\\ &+ 2p_{7,87} + p_{6,55} + 4p_{7,31} + p_{7,95} + 2p_{6,63})\end{aligned}}$$

$$p_{8,222} = \frac{1}{2}p_{7,94} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,94}^2 - 4(2p_{7,0} + p_{7,64} + 4p_{7,80} + p_{7,48} + 2p_{7,8} + 4p_{7,72}\\ &+ 2p_{7,40} + 3p_{7,104} + p_{7,24} + p_{6,56} + 2p_{7,4} + 2p_{7,36} + p_{7,100} + p_{7,84}\\ &+ p_{6,52} + p_{7,76} + p_{7,108} + 2p_{7,60} + p_{7,124} + 2p_{7,2} + 3p_{7,66} + p_{7,98}\\ &+ p_{7,82} + p_{7,114} + 2p_{7,74} + 2p_{7,42} + p_{6,26} + 2p_{6,6} + p_{7,102} + p_{7,22}\\ &+ 2p_{7,54} + p_{7,14} + p_{6,46} + 2p_{7,94} + p_{6,1} + 2p_{7,33} + p_{7,97} + p_{6,17}\\ &+ 2p_{7,49} + 2p_{7,25} + p_{7,89} + 2p_{7,69} + p_{7,101} + p_{7,85} + 2p_{7,53} + p_{6,13}\\ &+ 2p_{7,45} + p_{7,109} + 2p_{6,29} + p_{7,61} + p_{7,3} + 2p_{7,67} + 2p_{7,83} + p_{7,11}\\ &+ 2p_{7,75} + p_{6,27} + 3p_{7,123} + 2p_{7,7} + 3p_{7,71} + 2p_{7,39} + 5p_{7,23}\\ &+ 2p_{7,87} + p_{6,55} + 4p_{7,31} + p_{7,95} + 2p_{6,63})\end{aligned}}$$

$$p_{8,62} = \frac{1}{2}p_{7,62} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,62}^2 - 4(p_{7,32} + 2p_{7,96} + p_{7,16} + 4p_{7,48} + 2p_{7,8} + 3p_{7,72}\\ &+ 4p_{7,40} + 2p_{7,104} + p_{6,24} + p_{7,120} + 2p_{7,4} + p_{7,68} + 2p_{7,100} + p_{6,20}\\ &+ p_{7,52} + p_{7,76} + p_{7,44} + 2p_{7,28} + p_{7,92} + p_{7,66} + 3p_{7,34} + 2p_{7,98}\\ &+ p_{7,82} + p_{7,50} + 2p_{7,10} + 2p_{7,42} + p_{6,58} + p_{7,70} + 2p_{6,38} + 2p_{7,22}\\ &+ p_{7,118} + p_{6,14} + p_{7,110} + 2p_{7,62} + 2p_{7,1} + p_{7,65} + p_{6,33} + 2p_{7,17}\\ &+ p_{6,49} + p_{7,57} + 2p_{7,121} + p_{7,69} + 2p_{7,37} + 2p_{7,21} + p_{7,53} + 2p_{7,13}\\ &+ p_{7,77} + p_{6,45} + p_{7,29} + 2p_{6,61} + 2p_{7,35} + p_{7,99} + 2p_{7,51} + 2p_{7,43}\\ &+ p_{7,107} + 3p_{7,91} + p_{6,59} + 2p_{7,7} + 3p_{7,39} + 2p_{7,103} + p_{6,23} + 2p_{7,55}\\ &+ 5p_{7,119} + 2p_{6,31} + p_{7,63} + 4p_{7,127})\end{aligned}}$$

$$p_{8,190} = \frac{1}{2}p_{7,62} - \frac{1}{2}\sqrt{\begin{aligned}&p_{7,62}^2 - 4(p_{7,32} + 2p_{7,96} + p_{7,16} + 4p_{7,48} + 2p_{7,8} + 3p_{7,72}\\ &+ 4p_{7,40} + 2p_{7,104} + p_{6,24} + p_{7,120} + 2p_{7,4} + p_{7,68} + 2p_{7,100} + p_{6,20}\\ &+ p_{7,52} + p_{7,76} + p_{7,44} + 2p_{7,28} + p_{7,92} + p_{7,66} + 3p_{7,34} + 2p_{7,98}\\ &+ p_{7,82} + p_{7,50} + 2p_{7,10} + 2p_{7,42} + p_{6,58} + p_{7,70} + 2p_{6,38} + 2p_{7,22}\\ &+ p_{7,118} + p_{6,14} + p_{7,110} + 2p_{7,62} + 2p_{7,1} + p_{7,65} + p_{6,33} + 2p_{7,17}\\ &+ p_{6,49} + p_{7,57} + 2p_{7,121} + p_{7,69} + 2p_{7,37} + 2p_{7,21} + p_{7,53} + 2p_{7,13}\\ &+ p_{7,77} + p_{6,45} + p_{7,29} + 2p_{6,61} + 2p_{7,35} + p_{7,99} + 2p_{7,51} + 2p_{7,43}\\ &+ p_{7,107} + 3p_{7,91} + p_{6,59} + 2p_{7,7} + 3p_{7,39} + 2p_{7,103} + p_{6,23} + 2p_{7,55}\\ &+ 5p_{7,119} + 2p_{6,31} + p_{7,63} + 4p_{7,127})\end{aligned}}$$

$$p_{8,126} = \frac{1}{2}p_{7,126} - \frac{1}{2}\sqrt{\begin{aligned}&p_{7,126}^2 - 4(2p_{7,32} + p_{7,96} + p_{7,80} + 4p_{7,112} + 3p_{7,8} + 2p_{7,72}\\ &+ 2p_{7,40} + 4p_{7,104} + p_{6,24} + p_{7,56} + p_{7,4} + 2p_{7,68} + 2p_{7,36} + p_{6,20}\\ &+ p_{7,116} + p_{7,12} + p_{7,108} + p_{7,28} + 2p_{7,92} + p_{7,2} + 2p_{7,34} + 3p_{7,98}\\ &+ p_{7,18} + p_{7,114} + 2p_{7,74} + 2p_{7,106} + p_{6,58} + p_{7,6} + 2p_{6,38} + 2p_{7,86}\\ &+ p_{7,54} + p_{6,14} + p_{7,46} + 2p_{7,126} + p_{7,1} + 2p_{7,65} + p_{6,33} + 2p_{7,81}\\ &+ p_{6,49} + 2p_{7,57} + p_{7,121} + p_{7,5} + 2p_{7,101} + 2p_{7,85} + p_{7,117} + p_{7,13}\\ &+ 2p_{7,77} + p_{6,45} + p_{7,93} + 2p_{6,61} + p_{7,35} + 2p_{7,99} + 2p_{7,115} + p_{7,43}\\ &+ 2p_{7,107} + 3p_{7,27} + p_{6,59} + 2p_{7,71} + 2p_{7,39} + 3p_{7,103} + p_{6,23}\\ &+ 5p_{7,55} + 2p_{7,119} + 2p_{6,31} + 4p_{7,63} + p_{7,127})\end{aligned}}$$

$$p_{8,254} = \frac{1}{2}p_{7,126} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,126}^2 - 4(2p_{7,32} + p_{7,96} + p_{7,80} + 4p_{7,112} + 3p_{7,8} + 2p_{7,72}\\ &+ 2p_{7,40} + 4p_{7,104} + p_{6,24} + p_{7,56} + p_{7,4} + 2p_{7,68} + 2p_{7,36} + p_{6,20}\\ &+ p_{7,116} + p_{7,12} + p_{7,108} + p_{7,28} + 2p_{7,92} + p_{7,2} + 2p_{7,34} + 3p_{7,98}\\ &+ p_{7,18} + p_{7,114} + 2p_{7,74} + 2p_{7,106} + p_{6,58} + p_{7,6} + 2p_{6,38} + 2p_{7,86}\\ &+ p_{7,54} + p_{6,14} + p_{7,46} + 2p_{7,126} + p_{7,1} + 2p_{7,65} + p_{6,33} + 2p_{7,81}\\ &+ p_{6,49} + 2p_{7,57} + p_{7,121} + p_{7,5} + 2p_{7,101} + 2p_{7,85} + p_{7,117} + p_{7,13}\\ &+ 2p_{7,77} + p_{6,45} + p_{7,93} + 2p_{6,61} + p_{7,35} + 2p_{7,99} + 2p_{7,115} + p_{7,43}\\ &+ 2p_{7,107} + 3p_{7,27} + p_{6,59} + 2p_{7,71} + 2p_{7,39} + 3p_{7,103} + p_{6,23}\\ &+ 5p_{7,55} + 2p_{7,119} + 2p_{6,31} + 4p_{7,63} + p_{7,127})\end{aligned}}$$

$$p_{8,1} = \frac{1}{2}p_{7,1} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,1}^2 - 4(2p_{6,0} + p_{7,96} + p_{7,16} + 2p_{7,80} + p_{6,48} + p_{7,8}\\ &+ 2p_{7,104} + 2p_{7,88} + p_{7,120} + p_{7,4} + 2p_{7,68} + p_{6,36} + 2p_{7,84} + p_{6,52}\\ &+ 2p_{7,60} + p_{7,124} + p_{7,2} + 4p_{7,66} + 2p_{6,34} + 2p_{7,74} + 2p_{7,42} + 3p_{7,106}\\ &+ p_{6,26} + 5p_{7,58} + 2p_{7,122} + p_{7,38} + 2p_{7,102} + 2p_{7,118} + p_{7,46}\\ &+ 2p_{7,110} + 3p_{7,30} + p_{6,62} + 2p_{7,1} + p_{6,17} + p_{7,49} + p_{7,9} + 2p_{6,41}\\ &+ 2p_{7,89} + p_{7,57} + p_{7,5} + 2p_{7,37} + 3p_{7,101} + p_{7,21} + p_{7,117} + 2p_{7,77}\\ &+ 2p_{7,109} + p_{6,61} + 2p_{7,35} + p_{7,99} + p_{7,83} + 4p_{7,115} + 3p_{7,11} + 2p_{7,75}\\ &+ 2p_{7,43} + 4p_{7,107} + p_{6,27} + p_{7,59} + p_{7,7} + 2p_{7,71} + 2p_{7,39} + p_{6,23}\\ &+ p_{7,119} + p_{7,15} + p_{7,111} + p_{7,31} + 2p_{7,95})\end{aligned}}$$

$$p_{8,129} = \frac{1}{2}p_{7,1} - \frac{1}{2}\sqrt{\begin{aligned}&p_{7,1}^2 - 4(2p_{6,0} + p_{7,96} + p_{7,16} + 2p_{7,80} + p_{6,48} + p_{7,8}\\ &+ 2p_{7,104} + 2p_{7,88} + p_{7,120} + p_{7,4} + 2p_{7,68} + p_{6,36} + 2p_{7,84} + p_{6,52}\\ &+ 2p_{7,60} + p_{7,124} + p_{7,2} + 4p_{7,66} + 2p_{6,34} + 2p_{7,74} + 2p_{7,42} + 3p_{7,106}\\ &+ p_{6,26} + 5p_{7,58} + 2p_{7,122} + p_{7,38} + 2p_{7,102} + 2p_{7,118} + p_{7,46}\\ &+ 2p_{7,110} + 3p_{7,30} + p_{6,62} + 2p_{7,1} + p_{6,17} + p_{7,49} + p_{7,9} + 2p_{6,41}\\ &+ 2p_{7,89} + p_{7,57} + p_{7,5} + 2p_{7,37} + 3p_{7,101} + p_{7,21} + p_{7,117} + 2p_{7,77}\\ &+ 2p_{7,109} + p_{6,61} + 2p_{7,35} + p_{7,99} + p_{7,83} + 4p_{7,115} + 3p_{7,11} + 2p_{7,75}\\ &+ 2p_{7,43} + 4p_{7,107} + p_{6,27} + p_{7,59} + p_{7,7} + 2p_{7,71} + 2p_{7,39} + p_{6,23}\\ &+ p_{7,119} + p_{7,15} + p_{7,111} + p_{7,31} + 2p_{7,95})\end{aligned}}$$

$$p_{8,65} = \frac{1}{2}p_{7,65} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,65}^2 - 4(2p_{6,0} + p_{7,32} + 2p_{7,16} + p_{7,80} + p_{6,48} + p_{7,72}\\ &+ 2p_{7,40} + 2p_{7,24} + p_{7,56} + 2p_{7,4} + p_{7,68} + p_{6,36} + 2p_{7,20} + p_{6,52}\\ &+ p_{7,60} + 2p_{7,124} + 4p_{7,2} + p_{7,66} + 2p_{6,34} + 2p_{7,10} + 3p_{7,42} + 2p_{7,106}\\ &+ p_{6,26} + 2p_{7,58} + 5p_{7,122} + 2p_{7,38} + p_{7,102} + 2p_{7,54} + 2p_{7,46}\\ &+ p_{7,110} + 3p_{7,94} + p_{6,62} + 2p_{7,65} + p_{6,17} + p_{7,113} + p_{7,73} + 2p_{6,41}\\ &+ 2p_{7,25} + p_{7,121} + p_{7,69} + 3p_{7,37} + 2p_{7,101} + p_{7,85} + p_{7,53} + 2p_{7,13}\\ &+ 2p_{7,45} + p_{6,61} + p_{7,35} + 2p_{7,99} + p_{7,19} + 4p_{7,51} + 2p_{7,11} + 3p_{7,75}\\ &+ 4p_{7,43} + 2p_{7,107} + p_{6,27} + p_{7,123} + 2p_{7,7} + p_{7,71} + 2p_{7,103} + p_{6,23}\\ &+ p_{7,55} + p_{7,79} + p_{7,47} + 2p_{7,31} + p_{7,95})\end{aligned}}$$

$$p_{8,193} = \frac{1}{2}p_{7,65} - \frac{1}{2}\sqrt{\begin{aligned}&p_{7,65}^2 - 4(2p_{6,0} + p_{7,32} + 2p_{7,16} + p_{7,80} + p_{6,48} + p_{7,72}\\ &+ 2p_{7,40} + 2p_{7,24} + p_{7,56} + 2p_{7,4} + p_{7,68} + p_{6,36} + 2p_{7,20} + p_{6,52}\\ &+ p_{7,60} + 2p_{7,124} + 4p_{7,2} + p_{7,66} + 2p_{6,34} + 2p_{7,10} + 3p_{7,42} + 2p_{7,106}\\ &+ p_{6,26} + 2p_{7,58} + 5p_{7,122} + 2p_{7,38} + p_{7,102} + 2p_{7,54} + 2p_{7,46}\\ &+ p_{7,110} + 3p_{7,94} + p_{6,62} + 2p_{7,65} + p_{6,17} + p_{7,113} + p_{7,73} + 2p_{6,41}\\ &+ 2p_{7,25} + p_{7,121} + p_{7,69} + 3p_{7,37} + 2p_{7,101} + p_{7,85} + p_{7,53} + 2p_{7,13}\\ &+ 2p_{7,45} + p_{6,61} + p_{7,35} + 2p_{7,99} + p_{7,19} + 4p_{7,51} + 2p_{7,11} + 3p_{7,75}\\ &+ 4p_{7,43} + 2p_{7,107} + p_{6,27} + p_{7,123} + 2p_{7,7} + p_{7,71} + 2p_{7,103} + p_{6,23}\\ &+ p_{7,55} + p_{7,79} + p_{7,47} + 2p_{7,31} + p_{7,95})\end{aligned}}$$

$$p_{8,33} = \frac{1}{2}p_{7,33} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,33}^2 - 4(p_{7,0} + 2p_{6,32} + p_{6,16} + p_{7,48} + 2p_{7,112} + 2p_{7,8}\\ &+ p_{7,40} + p_{7,24} + 2p_{7,120} + p_{6,4} + p_{7,36} + 2p_{7,100} + p_{6,20} + 2p_{7,116}\\ &+ p_{7,28} + 2p_{7,92} + 2p_{6,2} + p_{7,34} + 4p_{7,98} + 3p_{7,10} + 2p_{7,74} + 2p_{7,106}\\ &+ 2p_{7,26} + 5p_{7,90} + p_{6,58} + 2p_{7,6} + p_{7,70} + 2p_{7,22} + 2p_{7,14} + p_{7,78}\\ &+ p_{6,30} + 3p_{7,62} + 2p_{7,33} + p_{7,81} + p_{6,49} + 2p_{6,9} + p_{7,41} + p_{7,89}\\ &+ 2p_{7,121} + 3p_{7,5} + 2p_{7,69} + p_{7,37} + p_{7,21} + p_{7,53} + 2p_{7,13} + 2p_{7,109}\\ &+ p_{6,29} + p_{7,3} + 2p_{7,67} + 4p_{7,19} + p_{7,115} + 4p_{7,11} + 2p_{7,75} + 3p_{7,43}\\ &+ 2p_{7,107} + p_{7,91} + p_{6,59} + 2p_{7,71} + p_{7,39} + 2p_{7,103} + p_{7,23} + p_{6,55}\\ &+ p_{7,15} + p_{7,47} + p_{7,63} + 2p_{7,127})\end{aligned}}$$

$$p_{8,161} = \frac{1}{2}p_{7,33} - \frac{1}{2}\sqrt{\begin{aligned}&p_{7,33}^2 - 4(p_{7,0} + 2p_{6,32} + p_{6,16} + p_{7,48} + 2p_{7,112} + 2p_{7,8}\\ &+ p_{7,40} + p_{7,24} + 2p_{7,120} + p_{6,4} + p_{7,36} + 2p_{7,100} + p_{6,20} + 2p_{7,116}\\ &+ p_{7,28} + 2p_{7,92} + 2p_{6,2} + p_{7,34} + 4p_{7,98} + 3p_{7,10} + 2p_{7,74} + 2p_{7,106}\\ &+ 2p_{7,26} + 5p_{7,90} + p_{6,58} + 2p_{7,6} + p_{7,70} + 2p_{7,22} + 2p_{7,14} + p_{7,78}\\ &+ p_{6,30} + 3p_{7,62} + 2p_{7,33} + p_{7,81} + p_{6,49} + 2p_{6,9} + p_{7,41} + p_{7,89}\\ &+ 2p_{7,121} + 3p_{7,5} + 2p_{7,69} + p_{7,37} + p_{7,21} + p_{7,53} + 2p_{7,13} + 2p_{7,109}\\ &+ p_{6,29} + p_{7,3} + 2p_{7,67} + 4p_{7,19} + p_{7,115} + 4p_{7,11} + 2p_{7,75} + 3p_{7,43}\\ &+ 2p_{7,107} + p_{7,91} + p_{6,59} + 2p_{7,71} + p_{7,39} + 2p_{7,103} + p_{7,23} + p_{6,55}\\ &+ p_{7,15} + p_{7,47} + p_{7,63} + 2p_{7,127})\end{aligned}}$$

$$p_{8,97} = \frac{1}{2}p_{7,97} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,97}^2 - 4(p_{7,64} + 2p_{6,32} + p_{6,16} + 2p_{7,48} + p_{7,112} + 2p_{7,72}\\ &+ p_{7,104} + p_{7,88} + 2p_{7,56} + p_{6,4} + 2p_{7,36} + p_{7,100} + p_{6,20} + 2p_{7,52}\\ &+ 2p_{7,28} + p_{7,92} + 2p_{6,2} + 4p_{7,34} + p_{7,98} + 2p_{7,10} + 3p_{7,74} + 2p_{7,42}\\ &+ 5p_{7,26} + 2p_{7,90} + p_{6,58} + p_{7,6} + 2p_{7,70} + 2p_{7,86} + p_{7,14} + 2p_{7,78}\\ &+ p_{6,30} + 3p_{7,126} + 2p_{7,97} + p_{7,17} + p_{6,49} + 2p_{6,9} + p_{7,105} + p_{7,25}\\ &+ 2p_{7,57} + 2p_{7,5} + 3p_{7,69} + p_{7,101} + p_{7,85} + p_{7,117} + 2p_{7,77} + 2p_{7,45}\\ &+ p_{6,29} + 2p_{7,3} + p_{7,67} + 4p_{7,83} + p_{7,51} + 2p_{7,11} + 4p_{7,75} + 2p_{7,43}\\ &+ 3p_{7,107} + p_{7,27} + p_{6,59} + 2p_{7,7} + 2p_{7,39} + p_{7,103} + p_{7,87} + p_{6,55}\\ &+ p_{7,79} + p_{7,111} + 2p_{7,63} + p_{7,127})\end{aligned}}$$

$$p_{8,225} = \frac{1}{2}p_{7,97} - \frac{1}{2}\sqrt{\begin{aligned}&p_{7,97}^2 - 4(p_{7,64} + 2p_{6,32} + p_{6,16} + 2p_{7,48} + p_{7,112} + 2p_{7,72}\\ &+ p_{7,104} + p_{7,88} + 2p_{7,56} + p_{6,4} + 2p_{7,36} + p_{7,100} + p_{6,20} + 2p_{7,52}\\ &+ 2p_{7,28} + p_{7,92} + 2p_{6,2} + 4p_{7,34} + p_{7,98} + 2p_{7,10} + 3p_{7,74} + 2p_{7,42}\\ &+ 5p_{7,26} + 2p_{7,90} + p_{6,58} + p_{7,6} + 2p_{7,70} + 2p_{7,86} + p_{7,14} + 2p_{7,78}\\ &+ p_{6,30} + 3p_{7,126} + 2p_{7,97} + p_{7,17} + p_{6,49} + 2p_{6,9} + p_{7,105} + p_{7,25}\\ &+ 2p_{7,57} + 2p_{7,5} + 3p_{7,69} + p_{7,101} + p_{7,85} + p_{7,117} + 2p_{7,77} + 2p_{7,45}\\ &+ p_{6,29} + 2p_{7,3} + p_{7,67} + 4p_{7,83} + p_{7,51} + 2p_{7,11} + 4p_{7,75} + 2p_{7,43}\\ &+ 3p_{7,107} + p_{7,27} + p_{6,59} + 2p_{7,7} + 2p_{7,39} + p_{7,103} + p_{7,87} + p_{6,55}\\ &+ p_{7,79} + p_{7,111} + 2p_{7,63} + p_{7,127})\end{aligned}}$$

$$p_{8,17} = \frac{1}{2}p_{7,17} - \frac{1}{2}\sqrt{\begin{aligned}&p_{7,17}^2 - 4(p_{6,0} + p_{7,32} + 2p_{7,96} + 2p_{6,16} + p_{7,112} + p_{7,8}\\ &+ 2p_{7,104} + p_{7,24} + 2p_{7,120} + p_{6,4} + 2p_{7,100} + p_{7,20} + 2p_{7,84} + p_{6,52}\\ &+ p_{7,12} + 2p_{7,76} + p_{7,18} + 4p_{7,82} + 2p_{6,50} + 2p_{7,10} + 5p_{7,74} + p_{6,42}\\ &+ 2p_{7,90} + 2p_{7,58} + 3p_{7,122} + 2p_{7,6} + p_{7,54} + 2p_{7,118} + p_{6,14} + 3p_{7,46}\\ &+ p_{7,62} + 2p_{7,126} + p_{7,65} + p_{6,33} + 2p_{7,17} + p_{7,73} + 2p_{7,105} + p_{7,25}\\ &+ 2p_{6,57} + p_{7,5} + p_{7,37} + p_{7,21} + 2p_{7,53} + 3p_{7,117} + p_{6,13} + 2p_{7,93}\\ &+ 2p_{7,125} + 4p_{7,3} + p_{7,99} + 2p_{7,51} + p_{7,115} + p_{7,75} + p_{6,43} + 3p_{7,27}\\ &+ 2p_{7,91} + 2p_{7,59} + 4p_{7,123} + p_{7,7} + p_{6,39} + p_{7,23} + 2p_{7,87} + 2p_{7,55}\\ &+ p_{7,47} + 2p_{7,111} + p_{7,31} + p_{7,127})\end{aligned}}$$

$$p_{8,145} = \frac{1}{2}p_{7,17} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,17}^2 - 4(p_{6,0} + p_{7,32} + 2p_{7,96} + 2p_{6,16} + p_{7,112} + p_{7,8}\\ &+ 2p_{7,104} + p_{7,24} + 2p_{7,120} + p_{6,4} + 2p_{7,100} + p_{7,20} + 2p_{7,84} + p_{6,52}\\ &+ p_{7,12} + 2p_{7,76} + p_{7,18} + 4p_{7,82} + 2p_{6,50} + 2p_{7,10} + 5p_{7,74} + p_{6,42}\\ &+ 2p_{7,90} + 2p_{7,58} + 3p_{7,122} + 2p_{7,6} + p_{7,54} + 2p_{7,118} + p_{6,14} + 3p_{7,46}\\ &+ p_{7,62} + 2p_{7,126} + p_{7,65} + p_{6,33} + 2p_{7,17} + p_{7,73} + 2p_{7,105} + p_{7,25}\\ &+ 2p_{6,57} + p_{7,5} + p_{7,37} + p_{7,21} + 2p_{7,53} + 3p_{7,117} + p_{6,13} + 2p_{7,93}\\ &+ 2p_{7,125} + 4p_{7,3} + p_{7,99} + 2p_{7,51} + p_{7,115} + p_{7,75} + p_{6,43} + 3p_{7,27}\\ &+ 2p_{7,91} + 2p_{7,59} + 4p_{7,123} + p_{7,7} + p_{6,39} + p_{7,23} + 2p_{7,87} + 2p_{7,55}\\ &+ p_{7,47} + 2p_{7,111} + p_{7,31} + p_{7,127})\end{aligned}}$$

$$p_{8,81} = \frac{1}{2}p_{7,81} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,81}^2 - 4(p_{6,0} + 2p_{7,32} + p_{7,96} + 2p_{6,16} + p_{7,48} + p_{7,72}\\ &+ 2p_{7,40} + p_{7,88} + 2p_{7,56} + p_{6,4} + 2p_{7,36} + 2p_{7,20} + p_{7,84} + p_{6,52}\\ &+ 2p_{7,12} + p_{7,76} + 4p_{7,18} + p_{7,82} + 2p_{6,50} + 5p_{7,10} + 2p_{7,74} + p_{6,42}\\ &+ 2p_{7,26} + 3p_{7,58} + 2p_{7,122} + 2p_{7,70} + 2p_{7,54} + p_{7,118} + p_{6,14}\\ &+ 3p_{7,110} + 2p_{7,62} + p_{7,126} + p_{7,1} + p_{6,33} + 2p_{7,81} + p_{7,9} + 2p_{7,41}\\ &+ p_{7,89} + 2p_{6,57} + p_{7,69} + p_{7,101} + p_{7,85} + 3p_{7,53} + 2p_{7,117} + p_{6,13}\\ &+ 2p_{7,29} + 2p_{7,61} + 4p_{7,67} + p_{7,35} + p_{7,51} + 2p_{7,115} + p_{7,11} + p_{6,43}\\ &+ 2p_{7,27} + 3p_{7,91} + 4p_{7,59} + 2p_{7,123} + p_{7,71} + p_{6,39} + 2p_{7,23} + p_{7,87}\\ &+ 2p_{7,119} + 2p_{7,47} + p_{7,111} + p_{7,95} + p_{7,63})\end{aligned}}$$

$$p_{8,209} = \frac{1}{2}p_{7,81} - \frac{1}{2}\sqrt{\begin{aligned}&p_{7,81}^2 - 4(p_{6,0} + 2p_{7,32} + p_{7,96} + 2p_{6,16} + p_{7,48} + p_{7,72}\\&+ 2p_{7,40} + p_{7,88} + 2p_{7,56} + p_{6,4} + 2p_{7,36} + 2p_{7,20} + p_{7,84} + p_{6,52}\\&+ 2p_{7,12} + p_{7,76} + 4p_{7,18} + p_{7,82} + 2p_{6,50} + 5p_{7,10} + 2p_{7,74} + p_{6,42}\\&+ 2p_{7,26} + 3p_{7,58} + 2p_{7,122} + 2p_{7,70} + 2p_{7,54} + p_{7,118} + p_{6,14}\\&+ 3p_{7,110} + 2p_{7,62} + p_{7,126} + p_{7,1} + p_{6,33} + 2p_{7,81} + p_{7,9} + 2p_{7,41}\\&+ p_{7,89} + 2p_{6,57} + p_{7,69} + p_{7,101} + p_{7,85} + 3p_{7,53} + 2p_{7,117} + p_{6,13}\\&+ 2p_{7,29} + 2p_{7,61} + 4p_{7,67} + p_{7,35} + p_{7,51} + 2p_{7,115} + p_{7,11} + p_{6,43}\\&+ 2p_{7,27} + 3p_{7,91} + 4p_{7,59} + 2p_{7,123} + p_{7,71} + p_{6,39} + 2p_{7,23} + p_{7,87}\\&+ 2p_{7,119} + 2p_{7,47} + p_{7,111} + p_{7,95} + p_{7,63})\end{aligned}}$$

$$p_{8,49} = \frac{1}{2}p_{7,49} - \frac{1}{2}\sqrt{\begin{aligned}&p_{7,49}^2 - 4(2p_{7,0} + p_{7,64} + p_{6,32} + p_{7,16} + 2p_{6,48} + 2p_{7,8}\\&+ p_{7,40} + 2p_{7,24} + p_{7,56} + 2p_{7,4} + p_{6,36} + p_{6,20} + p_{7,52} + 2p_{7,116}\\&+ p_{7,44} + 2p_{7,108} + 2p_{6,18} + p_{7,50} + 4p_{7,114} + p_{6,10} + 2p_{7,42}\\&+ 5p_{7,106} + 3p_{7,26} + 2p_{7,90} + 2p_{7,122} + 2p_{7,38} + 2p_{7,22} + p_{7,86}\\&+ 3p_{7,78} + p_{6,46} + 2p_{7,30} + p_{7,94} + p_{6,1} + p_{7,97} + 2p_{7,49} + 2p_{7,9}\\&+ p_{7,105} + 2p_{6,25} + p_{7,57} + p_{7,69} + p_{7,37} + 3p_{7,21} + 2p_{7,85} + p_{7,53}\\&+ p_{6,45} + 2p_{7,29} + 2p_{7,125} + p_{7,3} + 4p_{7,35} + p_{7,19} + 2p_{7,83} + p_{6,11}\\&+ p_{7,107} + 4p_{7,27} + 2p_{7,91} + 3p_{7,59} + 2p_{7,123} + p_{6,7} + p_{7,39} + 2p_{7,87}\\&+ p_{7,55} + 2p_{7,119} + 2p_{7,15} + p_{7,79} + p_{7,31} + p_{7,63})\end{aligned}}$$

$$p_{8,177} = \frac{1}{2}p_{7,49} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,49}^2 - 4(2p_{7,0} + p_{7,64} + p_{6,32} + p_{7,16} + 2p_{6,48} + 2p_{7,8}\\&+ p_{7,40} + 2p_{7,24} + p_{7,56} + 2p_{7,4} + p_{6,36} + p_{6,20} + p_{7,52} + 2p_{7,116}\\&+ p_{7,44} + 2p_{7,108} + 2p_{6,18} + p_{7,50} + 4p_{7,114} + p_{6,10} + 2p_{7,42}\\&+ 5p_{7,106} + 3p_{7,26} + 2p_{7,90} + 2p_{7,122} + 2p_{7,38} + 2p_{7,22} + p_{7,86}\\&+ 3p_{7,78} + p_{6,46} + 2p_{7,30} + p_{7,94} + p_{6,1} + p_{7,97} + 2p_{7,49} + 2p_{7,9}\\&+ p_{7,105} + 2p_{6,25} + p_{7,57} + p_{7,69} + p_{7,37} + 3p_{7,21} + 2p_{7,85} + p_{7,53}\\&+ p_{6,45} + 2p_{7,29} + 2p_{7,125} + p_{7,3} + 4p_{7,35} + p_{7,19} + 2p_{7,83} + p_{6,11}\\&+ p_{7,107} + 4p_{7,27} + 2p_{7,91} + 3p_{7,59} + 2p_{7,123} + p_{6,7} + p_{7,39} + 2p_{7,87}\\&+ p_{7,55} + 2p_{7,119} + 2p_{7,15} + p_{7,79} + p_{7,31} + p_{7,63})\end{aligned}}$$

$$p_{8,113} = \frac{1}{2}p_{7,113} - \frac{1}{2}\sqrt{\begin{aligned}&p_{7,113}^2 - 4(p_{7,0} + 2p_{7,64} + p_{6,32} + p_{7,80} + 2p_{6,48} + 2p_{7,72}\\&+ p_{7,104} + 2p_{7,88} + p_{7,120} + 2p_{7,68} + p_{6,36} + p_{6,20} + 2p_{7,52} + p_{7,116}\\&+ 2p_{7,44} + p_{7,108} + 2p_{6,18} + 4p_{7,50} + p_{7,114} + p_{6,10} + 5p_{7,42}\\&+ 2p_{7,106} + 2p_{7,26} + 3p_{7,90} + 2p_{7,58} + 2p_{7,102} + p_{7,22} + 2p_{7,86}\\&+ 3p_{7,14} + p_{6,46} + p_{7,30} + 2p_{7,94} + p_{6,1} + p_{7,33} + 2p_{7,113} + 2p_{7,73}\\&+ p_{7,41} + 2p_{6,25} + p_{7,121} + p_{7,5} + p_{7,101} + 2p_{7,21} + 3p_{7,85} + p_{7,117}\\&+ p_{6,45} + 2p_{7,93} + 2p_{7,61} + p_{7,67} + 4p_{7,99} + 2p_{7,19} + p_{7,83} + p_{6,11}\\&+ p_{7,43} + 2p_{7,27} + 4p_{7,91} + 2p_{7,59} + 3p_{7,123} + p_{6,7} + p_{7,103} + 2p_{7,23}\\&+ 2p_{7,55} + p_{7,119} + p_{7,15} + 2p_{7,79} + p_{7,95} + p_{7,127})\end{aligned}}$$

$$p_{8,241} = \frac{1}{2}p_{7,113} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,113}^2 - 4(p_{7,0} + 2p_{7,64} + p_{6,32} + p_{7,80} + 2p_{6,48} + 2p_{7,72}\\ &+ p_{7,104} + 2p_{7,88} + p_{7,120} + 2p_{7,68} + p_{6,36} + p_{6,20} + 2p_{7,52} + p_{7,116}\\ &+ 2p_{7,44} + p_{7,108} + 2p_{6,18} + 4p_{7,50} + p_{7,114} + p_{6,10} + 5p_{7,42}\\ &+ 2p_{7,106} + 2p_{7,26} + 3p_{7,90} + 2p_{7,58} + 2p_{7,102} + p_{7,22} + 2p_{7,86}\\ &+ 3p_{7,14} + p_{6,46} + p_{7,30} + 2p_{7,94} + p_{6,1} + p_{7,33} + 2p_{7,113} + 2p_{7,73}\\ &+ p_{7,41} + 2p_{6,25} + p_{7,121} + p_{7,5} + p_{7,101} + 2p_{7,21} + 3p_{7,85} + p_{7,117}\\ &+ p_{6,45} + 2p_{7,93} + 2p_{7,61} + p_{7,67} + 4p_{7,99} + 2p_{7,19} + p_{7,83} + p_{6,11}\\ &+ p_{7,43} + 2p_{7,27} + 4p_{7,91} + 2p_{7,59} + 3p_{7,123} + p_{6,7} + p_{7,103} + 2p_{7,23}\\ &+ 2p_{7,55} + p_{7,119} + p_{7,15} + 2p_{7,79} + p_{7,95} + p_{7,127})\end{aligned}}$$

$$p_{8,9} = \frac{1}{2}p_{7,9} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,9}^2 - 4(p_{7,0} + 2p_{7,96} + p_{7,16} + 2p_{7,112} + 2p_{6,8} + p_{7,104}\\ &+ p_{7,24} + 2p_{7,88} + p_{6,56} + p_{7,4} + 2p_{7,68} + p_{7,12} + 2p_{7,76} + p_{6,44}\\ &+ 2p_{7,92} + p_{6,60} + 2p_{7,2} + 5p_{7,66} + p_{6,34} + 2p_{7,82} + 2p_{7,50} + 3p_{7,114}\\ &+ p_{7,10} + 4p_{7,74} + 2p_{6,42} + p_{6,6} + 3p_{7,38} + p_{7,54} + 2p_{7,118} + p_{7,46}\\ &+ 2p_{7,110} + 2p_{7,126} + p_{7,65} + 2p_{7,97} + p_{7,17} + 2p_{6,49} + 2p_{7,9} + p_{6,25}\\ &+ p_{7,57} + p_{6,5} + 2p_{7,85} + 2p_{7,117} + p_{7,13} + 2p_{7,45} + 3p_{7,109} + p_{7,29}\\ &+ p_{7,125} + p_{7,67} + p_{6,35} + 3p_{7,19} + 2p_{7,83} + 2p_{7,51} + 4p_{7,115} + 2p_{7,43}\\ &+ p_{7,107} + p_{7,91} + 4p_{7,123} + p_{7,39} + 2p_{7,103} + p_{7,23} + p_{7,119} + p_{7,15}\\ &+ 2p_{7,79} + 2p_{7,47} + p_{6,31} + p_{7,127})\end{aligned}}$$

$$p_{8,137} = \frac{1}{2}p_{7,9} - \frac{1}{2}\sqrt{\begin{aligned}&p_{7,9}^2 - 4(p_{7,0} + 2p_{7,96} + p_{7,16} + 2p_{7,112} + 2p_{6,8} + p_{7,104}\\ &+ p_{7,24} + 2p_{7,88} + p_{6,56} + p_{7,4} + 2p_{7,68} + p_{7,12} + 2p_{7,76} + p_{6,44}\\ &+ 2p_{7,92} + p_{6,60} + 2p_{7,2} + 5p_{7,66} + p_{6,34} + 2p_{7,82} + 2p_{7,50} + 3p_{7,114}\\ &+ p_{7,10} + 4p_{7,74} + 2p_{6,42} + p_{6,6} + 3p_{7,38} + p_{7,54} + 2p_{7,118} + p_{7,46}\\ &+ 2p_{7,110} + 2p_{7,126} + p_{7,65} + 2p_{7,97} + p_{7,17} + 2p_{6,49} + 2p_{7,9} + p_{6,25}\\ &+ p_{7,57} + p_{6,5} + 2p_{7,85} + 2p_{7,117} + p_{7,13} + 2p_{7,45} + 3p_{7,109} + p_{7,29}\\ &+ p_{7,125} + p_{7,67} + p_{6,35} + 3p_{7,19} + 2p_{7,83} + 2p_{7,51} + 4p_{7,115} + 2p_{7,43}\\ &+ p_{7,107} + p_{7,91} + 4p_{7,123} + p_{7,39} + 2p_{7,103} + p_{7,23} + p_{7,119} + p_{7,15}\\ &+ 2p_{7,79} + 2p_{7,47} + p_{6,31} + p_{7,127})\end{aligned}}$$

$$p_{8,73} = \frac{1}{2}p_{7,73} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,73}^2 - 4(p_{7,64} + 2p_{7,32} + p_{7,80} + 2p_{7,48} + 2p_{6,8} + p_{7,40}\\ &+ 2p_{7,24} + p_{7,88} + p_{6,56} + 2p_{7,4} + p_{7,68} + 2p_{7,12} + p_{7,76} + p_{6,44}\\ &+ 2p_{7,28} + p_{6,60} + 5p_{7,2} + 2p_{7,66} + p_{6,34} + 2p_{7,18} + 3p_{7,50} + 2p_{7,114}\\ &+ 4p_{7,10} + p_{7,74} + 2p_{6,42} + p_{6,6} + 3p_{7,102} + 2p_{7,54} + p_{7,118} + 2p_{7,46}\\ &+ p_{7,110} + 2p_{7,62} + p_{7,1} + 2p_{7,33} + p_{7,81} + 2p_{6,49} + 2p_{7,73} + p_{6,25}\\ &+ p_{7,121} + p_{6,5} + 2p_{7,21} + 2p_{7,53} + p_{7,77} + 3p_{7,45} + 2p_{7,109} + p_{7,93}\\ &+ p_{7,61} + p_{7,3} + p_{6,35} + 2p_{7,19} + 3p_{7,83} + 4p_{7,51} + 2p_{7,115} + p_{7,43}\\ &+ 2p_{7,107} + p_{7,27} + 4p_{7,59} + 2p_{7,39} + p_{7,103} + p_{7,87} + p_{7,55} + 2p_{7,15}\\ &+ p_{7,79} + 2p_{7,111} + p_{6,31} + p_{7,63})\end{aligned}}$$

$$p_{8,201} = \frac{1}{2}p_{7,73} - \frac{1}{2}\sqrt{\begin{aligned}&p_{7,73}^2 - 4(p_{7,64} + 2p_{7,32} + p_{7,80} + 2p_{7,48} + 2p_{6,8} + p_{7,40}\\ &+ 2p_{7,24} + p_{7,88} + p_{6,56} + 2p_{7,4} + p_{7,68} + 2p_{7,12} + p_{7,76} + p_{6,44}\\ &+ 2p_{7,28} + p_{6,60} + 5p_{7,2} + 2p_{7,66} + p_{6,34} + 2p_{7,18} + 3p_{7,50} + 2p_{7,114}\\ &+ 4p_{7,10} + p_{7,74} + 2p_{6,42} + p_{6,6} + 3p_{7,102} + 2p_{7,54} + p_{7,118} + 2p_{7,46}\\ &+ p_{7,110} + 2p_{7,62} + p_{7,1} + 2p_{7,33} + p_{7,81} + 2p_{6,49} + 2p_{7,73} + p_{6,25}\\ &+ p_{7,121} + p_{6,5} + 2p_{7,21} + 2p_{7,53} + p_{7,77} + 3p_{7,45} + 2p_{7,109} + p_{7,93}\\ &+ p_{7,61} + p_{7,3} + p_{6,35} + 2p_{7,19} + 3p_{7,83} + 4p_{7,51} + 2p_{7,115} + p_{7,43}\\ &+ 2p_{7,107} + p_{7,27} + 4p_{7,59} + 2p_{7,39} + p_{7,103} + p_{7,87} + p_{7,55} + 2p_{7,15}\\ &+ p_{7,79} + 2p_{7,111} + p_{6,31} + p_{7,63})\end{aligned}}$$

$$p_{8,41} = \frac{1}{2}p_{7,41} - \frac{1}{2}\sqrt{\begin{aligned}&p_{7,41}^2 - 4(2p_{7,0} + p_{7,32} + 2p_{7,16} + p_{7,48} + p_{7,8} + 2p_{6,40}\\ &+ p_{6,24} + p_{7,56} + 2p_{7,120} + p_{7,36} + 2p_{7,100} + p_{6,12} + p_{7,44} + 2p_{7,108}\\ &+ p_{6,28} + 2p_{7,124} + p_{6,2} + 2p_{7,34} + 5p_{7,98} + 3p_{7,18} + 2p_{7,82}\\ &+ 2p_{7,114} + 2p_{6,10} + p_{7,42} + 4p_{7,106} + 3p_{7,70} + p_{6,38} + 2p_{7,22}\\ &+ p_{7,86} + 2p_{7,14} + p_{7,78} + 2p_{7,30} + 2p_{7,1} + p_{7,97} + 2p_{6,17} + p_{7,49}\\ &+ 2p_{7,41} + p_{7,89} + p_{6,57} + p_{6,37} + 2p_{7,21} + 2p_{7,117} + 3p_{7,13} + 2p_{7,77}\\ &+ p_{7,45} + p_{7,29} + p_{7,61} + p_{6,3} + p_{7,99} + 4p_{7,19} + 2p_{7,83} + 3p_{7,51}\\ &+ 2p_{7,115} + p_{7,11} + 2p_{7,75} + 4p_{7,27} + p_{7,123} + 2p_{7,7} + p_{7,71} + p_{7,23}\\ &+ p_{7,55} + 2p_{7,79} + p_{7,47} + 2p_{7,111} + p_{7,31} + p_{6,63})\end{aligned}}$$

$$p_{8,169} = \frac{1}{2}p_{7,41} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,41}^2 - 4(2p_{7,0} + p_{7,32} + 2p_{7,16} + p_{7,48} + p_{7,8} + 2p_{6,40}\\ &+ p_{6,24} + p_{7,56} + 2p_{7,120} + p_{7,36} + 2p_{7,100} + p_{6,12} + p_{7,44} + 2p_{7,108}\\ &+ p_{6,28} + 2p_{7,124} + p_{6,2} + 2p_{7,34} + 5p_{7,98} + 3p_{7,18} + 2p_{7,82}\\ &+ 2p_{7,114} + 2p_{6,10} + p_{7,42} + 4p_{7,106} + 3p_{7,70} + p_{6,38} + 2p_{7,22}\\ &+ p_{7,86} + 2p_{7,14} + p_{7,78} + 2p_{7,30} + 2p_{7,1} + p_{7,97} + 2p_{6,17} + p_{7,49}\\ &+ 2p_{7,41} + p_{7,89} + p_{6,57} + p_{6,37} + 2p_{7,21} + 2p_{7,117} + 3p_{7,13} + 2p_{7,77}\\ &+ p_{7,45} + p_{7,29} + p_{7,61} + p_{6,3} + p_{7,99} + 4p_{7,19} + 2p_{7,83} + 3p_{7,51}\\ &+ 2p_{7,115} + p_{7,11} + 2p_{7,75} + 4p_{7,27} + p_{7,123} + 2p_{7,7} + p_{7,71} + p_{7,23}\\ &+ p_{7,55} + 2p_{7,79} + p_{7,47} + 2p_{7,111} + p_{7,31} + p_{6,63})\end{aligned}}$$

$$p_{8,105} = \frac{1}{2}p_{7,105} - \frac{1}{2}\sqrt{\begin{aligned}&p_{7,105}^2 - 4(2p_{7,64} + p_{7,96} + 2p_{7,80} + p_{7,112} + p_{7,72} + 2p_{6,40}\\ &+ p_{6,24} + 2p_{7,56} + p_{7,120} + 2p_{7,36} + p_{7,100} + p_{6,12} + 2p_{7,44} + p_{7,108}\\ &+ p_{6,28} + 2p_{7,60} + p_{6,2} + 5p_{7,34} + 2p_{7,98} + 2p_{7,18} + 3p_{7,82} + 2p_{7,50}\\ &+ 2p_{6,10} + 4p_{7,42} + p_{7,106} + 3p_{7,6} + p_{6,38} + p_{7,22} + 2p_{7,86} + p_{7,14}\\ &+ 2p_{7,78} + 2p_{7,94} + 2p_{7,65} + p_{7,33} + 2p_{6,17} + p_{7,113} + 2p_{7,105} + p_{7,25}\\ &+ p_{6,57} + p_{6,37} + 2p_{7,85} + 2p_{7,53} + 2p_{7,13} + 3p_{7,77} + p_{7,109} + p_{7,93}\\ &+ p_{7,125} + p_{6,3} + p_{7,35} + 2p_{7,19} + 4p_{7,83} + 2p_{7,51} + 3p_{7,115} + 2p_{7,11}\\ &+ p_{7,75} + 4p_{7,91} + p_{7,59} + p_{7,7} + 2p_{7,71} + p_{7,87} + p_{7,119} + 2p_{7,15}\\ &+ 2p_{7,47} + p_{7,111} + p_{7,95} + p_{6,63})\end{aligned}}$$

$$p_{8,233} = \frac{1}{2}p_{7,105} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,105}^2 - 4(2p_{7,64} + p_{7,96} + 2p_{7,80} + p_{7,112} + p_{7,72} + 2p_{6,40}\\&+ p_{6,24} + 2p_{7,56} + p_{7,120} + 2p_{7,36} + p_{7,100} + p_{6,12} + 2p_{7,44} + p_{7,108}\\&+ p_{6,28} + 2p_{7,60} + p_{6,2} + 5p_{7,34} + 2p_{7,98} + 2p_{7,18} + 3p_{7,82} + 2p_{7,50}\\&+ 2p_{6,10} + 4p_{7,42} + p_{7,106} + 3p_{7,6} + p_{6,38} + p_{7,22} + 2p_{7,86} + p_{7,14}\\&+ 2p_{7,78} + 2p_{7,94} + 2p_{7,65} + p_{7,33} + 2p_{6,17} + p_{7,113} + 2p_{7,105} + p_{7,25}\\&+ p_{6,57} + p_{6,37} + 2p_{7,85} + 2p_{7,53} + 2p_{7,13} + 3p_{7,77} + p_{7,109} + p_{7,93}\\&+ p_{7,125} + p_{6,3} + p_{7,35} + 2p_{7,19} + 4p_{7,83} + 2p_{7,51} + 3p_{7,115} + 2p_{7,11}\\&+ p_{7,75} + 4p_{7,91} + p_{7,59} + p_{7,7} + 2p_{7,71} + p_{7,87} + p_{7,119} + 2p_{7,15}\\&+ 2p_{7,47} + p_{7,111} + p_{7,95} + p_{6,63})\end{aligned}}$$

$$p_{8,25} = \frac{1}{2}p_{7,25} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,25}^2 - 4(2p_{7,0} + p_{7,32} + p_{7,16} + 2p_{7,112} + p_{6,8} + p_{7,40}\\&+ 2p_{7,104} + 2p_{6,24} + p_{7,120} + p_{7,20} + 2p_{7,84} + p_{6,12} + 2p_{7,108}\\&+ p_{7,28} + 2p_{7,92} + p_{6,60} + 3p_{7,2} + 2p_{7,66} + 2p_{7,98} + 2p_{7,18} + 5p_{7,82}\\&+ p_{6,50} + p_{7,26} + 4p_{7,90} + 2p_{6,58} + 2p_{7,6} + p_{7,70} + p_{6,22} + 3p_{7,54}\\&+ 2p_{7,14} + p_{7,62} + 2p_{7,126} + 2p_{6,1} + p_{7,33} + p_{7,81} + 2p_{7,113} + p_{7,73}\\&+ p_{6,41} + 2p_{7,25} + 2p_{7,5} + 2p_{7,101} + p_{6,21} + p_{7,13} + p_{7,45} + p_{7,29}\\&+ 2p_{7,61} + 3p_{7,125} + 4p_{7,3} + 2p_{7,67} + 3p_{7,35} + 2p_{7,99} + p_{7,83} + p_{6,51}\\&+ 4p_{7,11} + p_{7,107} + 2p_{7,59} + p_{7,123} + p_{7,7} + p_{7,39} + p_{7,55} + 2p_{7,119}\\&+ p_{7,15} + p_{6,47} + p_{7,31} + 2p_{7,95} + 2p_{7,63})\end{aligned}}$$

$$p_{8,153} = \frac{1}{2}p_{7,25} - \frac{1}{2}\sqrt{\begin{aligned}&p_{7,25}^2 - 4(2p_{7,0} + p_{7,32} + p_{7,16} + 2p_{7,112} + p_{6,8} + p_{7,40}\\&+ 2p_{7,104} + 2p_{6,24} + p_{7,120} + p_{7,20} + 2p_{7,84} + p_{6,12} + 2p_{7,108}\\&+ p_{7,28} + 2p_{7,92} + p_{6,60} + 3p_{7,2} + 2p_{7,66} + 2p_{7,98} + 2p_{7,18} + 5p_{7,82}\\&+ p_{6,50} + p_{7,26} + 4p_{7,90} + 2p_{6,58} + 2p_{7,6} + p_{7,70} + p_{6,22} + 3p_{7,54}\\&+ 2p_{7,14} + p_{7,62} + 2p_{7,126} + 2p_{6,1} + p_{7,33} + p_{7,81} + 2p_{7,113} + p_{7,73}\\&+ p_{6,41} + 2p_{7,25} + 2p_{7,5} + 2p_{7,101} + p_{6,21} + p_{7,13} + p_{7,45} + p_{7,29}\\&+ 2p_{7,61} + 3p_{7,125} + 4p_{7,3} + 2p_{7,67} + 3p_{7,35} + 2p_{7,99} + p_{7,83} + p_{6,51}\\&+ 4p_{7,11} + p_{7,107} + 2p_{7,59} + p_{7,123} + p_{7,7} + p_{7,39} + p_{7,55} + 2p_{7,119}\\&+ p_{7,15} + p_{6,47} + p_{7,31} + 2p_{7,95} + 2p_{7,63})\end{aligned}}$$

$$p_{8,89} = \frac{1}{2}p_{7,89} - \frac{1}{2}\sqrt{\begin{aligned}&p_{7,89}^2 - 4(2p_{7,64} + p_{7,96} + p_{7,80} + 2p_{7,48} + p_{6,8} + 2p_{7,40}\\&+ p_{7,104} + 2p_{6,24} + p_{7,56} + 2p_{7,20} + p_{7,84} + p_{6,12} + 2p_{7,44} + 2p_{7,28}\\&+ p_{7,92} + p_{6,60} + 2p_{7,2} + 3p_{7,66} + 2p_{7,34} + 5p_{7,18} + 2p_{7,82} + p_{6,50}\\&+ 4p_{7,26} + p_{7,90} + 2p_{6,58} + p_{7,6} + 2p_{7,70} + p_{6,22} + 3p_{7,118} + 2p_{7,78}\\&+ 2p_{7,62} + p_{7,126} + 2p_{6,1} + p_{7,97} + p_{7,17} + 2p_{7,49} + p_{7,9} + p_{6,41}\\&+ 2p_{7,89} + 2p_{7,69} + 2p_{7,37} + p_{6,21} + p_{7,77} + p_{7,109} + p_{7,93} + 3p_{7,61}\\&+ 2p_{7,125} + 2p_{7,3} + 4p_{7,67} + 2p_{7,35} + 3p_{7,99} + p_{7,19} + p_{6,51} + 4p_{7,75}\\&+ p_{7,43} + p_{7,59} + 2p_{7,123} + p_{7,71} + p_{7,103} + 2p_{7,55} + p_{7,119} + p_{7,79}\\&+ p_{6,47} + 2p_{7,31} + p_{7,95} + 2p_{7,127})\end{aligned}}$$

$$p_{8,217} = \frac{1}{2}p_{7,89} + \frac{1}{2}\sqrt{\begin{array}{l} p_{7,89}^2 - 4(2p_{7,64} + p_{7,96} + p_{7,80} + 2p_{7,48} + p_{6,8} + 2p_{7,40} \\ \quad + p_{7,104} + 2p_{6,24} + p_{7,56} + 2p_{7,20} + p_{7,84} + p_{6,12} + 2p_{7,44} + 2p_{7,28} \\ \quad + p_{7,92} + p_{6,60} + 2p_{7,2} + 3p_{7,66} + 2p_{7,34} + 5p_{7,18} + 2p_{7,82} + p_{6,50} \\ \quad + 4p_{7,26} + p_{7,90} + 2p_{6,58} + p_{7,6} + 2p_{7,70} + p_{6,22} + 3p_{7,118} + 2p_{7,78} \\ \quad + 2p_{7,62} + p_{7,126} + 2p_{6,1} + p_{7,97} + p_{7,17} + 2p_{7,49} + p_{7,9} + p_{6,41} \\ \quad + 2p_{7,89} + 2p_{7,69} + 2p_{7,37} + p_{6,21} + p_{7,77} + p_{7,109} + p_{7,93} + 3p_{7,61} \\ \quad + 2p_{7,125} + 2p_{7,3} + 4p_{7,67} + 2p_{7,35} + 3p_{7,99} + p_{7,19} + p_{6,51} + 4p_{7,75} \\ \quad + p_{7,43} + p_{7,59} + 2p_{7,123} + p_{7,71} + p_{7,103} + 2p_{7,55} + p_{7,119} + p_{7,79} \\ \quad + p_{6,47} + 2p_{7,31} + p_{7,95} + 2p_{7,127}) \end{array}}$$

$$p_{8,57} = \frac{1}{2}p_{7,57} - \frac{1}{2}\sqrt{\begin{array}{l} p_{7,57}^2 - 4(p_{7,64} + 2p_{7,32} + 2p_{7,16} + p_{7,48} + 2p_{7,8} + p_{7,72} \\ \quad + p_{6,40} + p_{7,24} + 2p_{6,56} + p_{7,52} + 2p_{7,116} + 2p_{7,12} + p_{6,44} + p_{6,28} \\ \quad + p_{7,60} + 2p_{7,124} + 2p_{7,2} + 3p_{7,34} + 2p_{7,98} + p_{6,18} + 2p_{7,50} \\ \quad + 5p_{7,114} + 2p_{6,26} + p_{7,58} + 4p_{7,122} + 2p_{7,38} + p_{7,102} + 3p_{7,86} \\ \quad + p_{6,54} + 2p_{7,46} + 2p_{7,30} + p_{7,94} + p_{7,65} + 2p_{6,33} + 2p_{7,17} + p_{7,113} \\ \quad + p_{6,9} + p_{7,105} + 2p_{7,57} + 2p_{7,5} + 2p_{7,37} + p_{6,53} + p_{7,77} + p_{7,45} \\ \quad + 3p_{7,29} + 2p_{7,93} + p_{7,61} + 2p_{7,3} + 3p_{7,67} + 4p_{7,35} + 2p_{7,99} + p_{6,19} \\ \quad + p_{7,115} + p_{7,11} + 4p_{7,43} + p_{7,27} + 2p_{7,91} + p_{7,71} + p_{7,39} + 2p_{7,23} \\ \quad + p_{7,87} + p_{6,15} + p_{7,47} + 2p_{7,95} + p_{7,63} + 2p_{7,127}) \end{array}}$$

$$p_{8,185} = \frac{1}{2}p_{7,57} + \frac{1}{2}\sqrt{\begin{array}{l} p_{7,57}^2 - 4(p_{7,64} + 2p_{7,32} + 2p_{7,16} + p_{7,48} + 2p_{7,8} + p_{7,72} \\ \quad + p_{6,40} + p_{7,24} + 2p_{6,56} + p_{7,52} + 2p_{7,116} + 2p_{7,12} + p_{6,44} + p_{6,28} \\ \quad + p_{7,60} + 2p_{7,124} + 2p_{7,2} + 3p_{7,34} + 2p_{7,98} + p_{6,18} + 2p_{7,50} \\ \quad + 5p_{7,114} + 2p_{6,26} + p_{7,58} + 4p_{7,122} + 2p_{7,38} + p_{7,102} + 3p_{7,86} \\ \quad + p_{6,54} + 2p_{7,46} + 2p_{7,30} + p_{7,94} + p_{7,65} + 2p_{6,33} + 2p_{7,17} + p_{7,113} \\ \quad + p_{6,9} + p_{7,105} + 2p_{7,57} + 2p_{7,5} + 2p_{7,37} + p_{6,53} + p_{7,77} + p_{7,45} \\ \quad + 3p_{7,29} + 2p_{7,93} + p_{7,61} + 2p_{7,3} + 3p_{7,67} + 4p_{7,35} + 2p_{7,99} + p_{6,19} \\ \quad + p_{7,115} + p_{7,11} + 4p_{7,43} + p_{7,27} + 2p_{7,91} + p_{7,71} + p_{7,39} + 2p_{7,23} \\ \quad + p_{7,87} + p_{6,15} + p_{7,47} + 2p_{7,95} + p_{7,63} + 2p_{7,127}) \end{array}}$$

$$p_{8,121} = \frac{1}{2}p_{7,121} - \frac{1}{2}\sqrt{\begin{array}{l} p_{7,121}^2 - 4(p_{7,0} + 2p_{7,96} + 2p_{7,80} + p_{7,112} + p_{7,8} + 2p_{7,72} \\ \quad + p_{6,40} + p_{7,88} + 2p_{6,56} + 2p_{7,52} + p_{7,116} + 2p_{7,76} + p_{6,44} + p_{6,28} \\ \quad + 2p_{7,60} + p_{7,124} + 2p_{7,66} + 2p_{7,34} + 3p_{7,98} + p_{6,18} + 5p_{7,50} \\ \quad + 2p_{7,114} + 2p_{6,26} + 4p_{7,58} + p_{7,122} + p_{7,38} + 2p_{7,102} + 3p_{7,22} \\ \quad + p_{6,54} + 2p_{7,110} + p_{7,30} + 2p_{7,94} + p_{7,1} + 2p_{6,33} + 2p_{7,81} + p_{7,49} \\ \quad + p_{6,9} + p_{7,41} + 2p_{7,121} + 2p_{7,69} + 2p_{7,101} + p_{6,53} + p_{7,13} + p_{7,109} \\ \quad + 2p_{7,29} + 3p_{7,93} + p_{7,125} + 3p_{7,3} + 2p_{7,67} + 2p_{7,35} + 4p_{7,99} + p_{6,19} \\ \quad + p_{7,51} + p_{7,75} + 4p_{7,107} + 2p_{7,27} + p_{7,91} + p_{7,7} + p_{7,103} + p_{7,23} \\ \quad + 2p_{7,87} + p_{6,15} + p_{7,111} + 2p_{7,31} + 2p_{7,63} + p_{7,127}) \end{array}}$$

$$p_{8,249} = \frac{1}{2}p_{7,121} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,121}^2 - 4(p_{7,0} + 2p_{7,96} + 2p_{7,80} + p_{7,112} + p_{7,8} + 2p_{7,72}\\ &+ p_{6,40} + p_{7,88} + 2p_{6,56} + 2p_{7,52} + p_{7,116} + 2p_{7,76} + p_{6,44} + p_{6,28}\\ &+ 2p_{7,60} + p_{7,124} + 2p_{7,66} + 2p_{7,34} + 3p_{7,98} + p_{6,18} + 5p_{7,50}\\ &+ 2p_{7,114} + 2p_{6,26} + 4p_{7,58} + p_{7,122} + p_{7,38} + 2p_{7,102} + 3p_{7,22}\\ &+ p_{6,54} + 2p_{7,110} + p_{7,30} + 2p_{7,94} + p_{7,1} + 2p_{6,33} + 2p_{7,81} + p_{7,49}\\ &+ p_{6,9} + p_{7,41} + 2p_{7,121} + 2p_{7,69} + 2p_{7,101} + p_{6,53} + p_{7,13} + p_{7,109}\\ &+ 2p_{7,29} + 3p_{7,93} + p_{7,125} + 3p_{7,3} + 2p_{7,67} + 2p_{7,35} + 4p_{7,99} + p_{6,19}\\ &+ p_{7,51} + p_{7,75} + 4p_{7,107} + 2p_{7,27} + p_{7,91} + p_{7,7} + p_{7,103} + p_{7,23}\\ &+ 2p_{7,87} + p_{6,15} + p_{7,111} + 2p_{7,31} + 2p_{7,63} + p_{7,127})\end{aligned}}$$

$$p_{8,5} = \frac{1}{2}p_{7,5} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,5}^2 - 4(p_{7,0} + 2p_{7,64} + p_{7,8} + 2p_{7,72} + p_{6,40} + 2p_{7,88} + p_{6,56}\\ &+ 2p_{6,4} + p_{7,100} + p_{7,20} + 2p_{7,84} + p_{6,52} + p_{7,12} + 2p_{7,108} + 2p_{7,92}\\ &+ p_{7,124} + p_{6,2} + 3p_{7,34} + p_{7,50} + 2p_{7,114} + p_{7,42} + 2p_{7,106} + 2p_{7,122}\\ &+ p_{7,6} + 4p_{7,70} + 2p_{6,38} + 2p_{7,78} + 2p_{7,46} + 3p_{7,110} + p_{6,30} + 5p_{7,62}\\ &+ 2p_{7,126} + p_{6,1} + 2p_{7,81} + 2p_{7,113} + p_{7,9} + 2p_{7,41} + 3p_{7,105} + p_{7,25}\\ &+ p_{7,121} + 2p_{7,5} + p_{6,21} + p_{7,53} + p_{7,13} + 2p_{6,45} + 2p_{7,93} + p_{7,61}\\ &+ p_{7,35} + 2p_{7,99} + p_{7,19} + p_{7,115} + p_{7,11} + 2p_{7,75} + 2p_{7,43} + p_{6,27}\\ &+ p_{7,123} + 2p_{7,39} + p_{7,103} + p_{7,87} + 4p_{7,119} + 3p_{7,15} + 2p_{7,79}\\ &+ 2p_{7,47} + 4p_{7,111} + p_{6,31} + p_{7,63})\end{aligned}}$$

$$p_{8,133} = \frac{1}{2}p_{7,5} - \frac{1}{2}\sqrt{\begin{aligned}&p_{7,5}^2 - 4(p_{7,0} + 2p_{7,64} + p_{7,8} + 2p_{7,72} + p_{6,40} + 2p_{7,88} + p_{6,56}\\ &+ 2p_{6,4} + p_{7,100} + p_{7,20} + 2p_{7,84} + p_{6,52} + p_{7,12} + 2p_{7,108} + 2p_{7,92}\\ &+ p_{7,124} + p_{6,2} + 3p_{7,34} + p_{7,50} + 2p_{7,114} + p_{7,42} + 2p_{7,106} + 2p_{7,122}\\ &+ p_{7,6} + 4p_{7,70} + 2p_{6,38} + 2p_{7,78} + 2p_{7,46} + 3p_{7,110} + p_{6,30} + 5p_{7,62}\\ &+ 2p_{7,126} + p_{6,1} + 2p_{7,81} + 2p_{7,113} + p_{7,9} + 2p_{7,41} + 3p_{7,105} + p_{7,25}\\ &+ p_{7,121} + 2p_{7,5} + p_{6,21} + p_{7,53} + p_{7,13} + 2p_{6,45} + 2p_{7,93} + p_{7,61}\\ &+ p_{7,35} + 2p_{7,99} + p_{7,19} + p_{7,115} + p_{7,11} + 2p_{7,75} + 2p_{7,43} + p_{6,27}\\ &+ p_{7,123} + 2p_{7,39} + p_{7,103} + p_{7,87} + 4p_{7,119} + 3p_{7,15} + 2p_{7,79}\\ &+ 2p_{7,47} + 4p_{7,111} + p_{6,31} + p_{7,63})\end{aligned}}$$

$$p_{8,69} = \frac{1}{2}p_{7,69} - \frac{1}{2}\sqrt{\begin{aligned}&p_{7,69}^2 - 4(2p_{7,0} + p_{7,64} + 2p_{7,8} + p_{7,72} + p_{6,40} + 2p_{7,24}\\ &+ p_{6,56} + 2p_{6,4} + p_{7,36} + 2p_{7,20} + p_{7,84} + p_{6,52} + p_{7,76} + 2p_{7,44}\\ &+ 2p_{7,28} + p_{7,60} + p_{6,2} + 3p_{7,98} + 2p_{7,50} + p_{7,114} + 2p_{7,42} + p_{7,106}\\ &+ 2p_{7,58} + 4p_{7,6} + p_{7,70} + 2p_{6,38} + 2p_{7,14} + 3p_{7,46} + 2p_{7,110} + p_{6,30}\\ &+ 2p_{7,62} + 5p_{7,126} + p_{6,1} + 2p_{7,17} + 2p_{7,49} + p_{7,73} + 3p_{7,41} + 2p_{7,105}\\ &+ p_{7,89} + p_{7,57} + 2p_{7,69} + p_{6,21} + p_{7,117} + p_{7,77} + 2p_{6,45} + 2p_{7,29}\\ &+ p_{7,125} + 2p_{7,35} + p_{7,99} + p_{7,83} + p_{7,51} + 2p_{7,11} + p_{7,75} + 2p_{7,107}\\ &+ p_{6,27} + p_{7,59} + p_{7,39} + 2p_{7,103} + p_{7,23} + 4p_{7,55} + 2p_{7,15} + 3p_{7,79}\\ &+ 4p_{7,47} + 2p_{7,111} + p_{6,31} + p_{7,127})\end{aligned}}$$

$$p_{8,197}=\frac{1}{2}p_{7,69}+\frac{1}{2}\sqrt{\begin{aligned}&p_{7,69}^2-4(2p_{7,0}+p_{7,64}+2p_{7,8}+p_{7,72}+p_{6,40}+2p_{7,24}\\&+p_{6,56}+2p_{6,4}+p_{7,36}+2p_{7,20}+p_{7,84}+p_{6,52}+p_{7,76}+2p_{7,44}\\&+2p_{7,28}+p_{7,60}+p_{6,2}+3p_{7,98}+2p_{7,50}+p_{7,114}+2p_{7,42}+p_{7,106}\\&+2p_{7,58}+4p_{7,6}+p_{7,70}+2p_{6,38}+2p_{7,14}+3p_{7,46}+2p_{7,110}+p_{6,30}\\&+2p_{7,62}+5p_{7,126}+p_{6,1}+2p_{7,17}+2p_{7,49}+p_{7,73}+3p_{7,41}+2p_{7,105}\\&+p_{7,89}+p_{7,57}+2p_{7,69}+p_{6,21}+p_{7,117}+p_{7,77}+2p_{6,45}+2p_{7,29}\\&+p_{7,125}+2p_{7,35}+p_{7,99}+p_{7,83}+p_{7,51}+2p_{7,11}+p_{7,75}+2p_{7,107}\\&+p_{6,27}+p_{7,59}+p_{7,39}+2p_{7,103}+p_{7,23}+4p_{7,55}+2p_{7,15}+3p_{7,79}\\&+4p_{7,47}+2p_{7,111}+p_{6,31}+p_{7,127})\end{aligned}}$$

$$p_{8,37}=\frac{1}{2}p_{7,37}-\frac{1}{2}\sqrt{\begin{aligned}&p_{7,37}^2-4(p_{7,32}+2p_{7,96}+p_{6,8}+p_{7,40}+2p_{7,104}+p_{6,24}\\&+2p_{7,120}+p_{7,4}+2p_{6,36}+p_{6,20}+p_{7,52}+2p_{7,116}+2p_{7,12}+p_{7,44}\\&+p_{7,28}+2p_{7,124}+3p_{7,66}+p_{6,34}+2p_{7,18}+p_{7,82}+2p_{7,10}+p_{7,74}\\&+2p_{7,26}+2p_{6,6}+p_{7,38}+4p_{7,102}+3p_{7,14}+2p_{7,78}+2p_{7,110}\\&+2p_{7,30}+5p_{7,94}+p_{6,62}+p_{6,33}+2p_{7,17}+2p_{7,113}+3p_{7,9}+2p_{7,73}\\&+p_{7,41}+p_{7,25}+p_{7,57}+2p_{7,37}+p_{7,85}+p_{6,53}+2p_{6,13}+p_{7,45}\\&+p_{7,93}+2p_{7,125}+2p_{7,3}+p_{7,67}+p_{7,19}+p_{7,51}+2p_{7,75}+p_{7,43}\\&+2p_{7,107}+p_{7,27}+p_{6,59}+p_{7,7}+2p_{7,71}+4p_{7,23}+p_{7,119}+4p_{7,15}\\&+2p_{7,79}+3p_{7,47}+2p_{7,111}+p_{7,95}+p_{6,63})\end{aligned}}$$

$$p_{8,165}=\frac{1}{2}p_{7,37}+\frac{1}{2}\sqrt{\begin{aligned}&p_{7,37}^2-4(p_{7,32}+2p_{7,96}+p_{6,8}+p_{7,40}+2p_{7,104}+p_{6,24}\\&+2p_{7,120}+p_{7,4}+2p_{6,36}+p_{6,20}+p_{7,52}+2p_{7,116}+2p_{7,12}+p_{7,44}\\&+p_{7,28}+2p_{7,124}+3p_{7,66}+p_{6,34}+2p_{7,18}+p_{7,82}+2p_{7,10}+p_{7,74}\\&+2p_{7,26}+2p_{6,6}+p_{7,38}+4p_{7,102}+3p_{7,14}+2p_{7,78}+2p_{7,110}\\&+2p_{7,30}+5p_{7,94}+p_{6,62}+p_{6,33}+2p_{7,17}+2p_{7,113}+3p_{7,9}+2p_{7,73}\\&+p_{7,41}+p_{7,25}+p_{7,57}+2p_{7,37}+p_{7,85}+p_{6,53}+2p_{6,13}+p_{7,45}\\&+p_{7,93}+2p_{7,125}+2p_{7,3}+p_{7,67}+p_{7,19}+p_{7,51}+2p_{7,75}+p_{7,43}\\&+2p_{7,107}+p_{7,27}+p_{6,59}+p_{7,7}+2p_{7,71}+4p_{7,23}+p_{7,119}+4p_{7,15}\\&+2p_{7,79}+3p_{7,47}+2p_{7,111}+p_{7,95}+p_{6,63})\end{aligned}}$$

$$p_{8,101}=\frac{1}{2}p_{7,101}+\frac{1}{2}\sqrt{\begin{aligned}&p_{7,101}^2-4(2p_{7,32}+p_{7,96}+p_{6,8}+2p_{7,40}+p_{7,104}+p_{6,24}\\&+2p_{7,56}+p_{7,68}+2p_{6,36}+p_{6,20}+2p_{7,52}+p_{7,116}+2p_{7,76}+p_{7,108}\\&+p_{7,92}+2p_{7,60}+3p_{7,2}+p_{6,34}+p_{7,18}+2p_{7,82}+p_{7,10}+2p_{7,74}\\&+2p_{7,90}+2p_{6,6}+4p_{7,38}+p_{7,102}+2p_{7,14}+3p_{7,78}+2p_{7,46}+5p_{7,30}\\&+2p_{7,94}+p_{6,62}+p_{6,33}+2p_{7,81}+2p_{7,49}+2p_{7,9}+3p_{7,73}+p_{7,105}\\&+p_{7,89}+p_{7,121}+2p_{7,101}+p_{7,21}+p_{6,53}+2p_{6,13}+p_{7,109}+p_{7,29}\\&+2p_{7,61}+p_{7,3}+2p_{7,67}+p_{7,83}+p_{7,115}+2p_{7,11}+2p_{7,43}+p_{7,107}\\&+p_{7,91}+p_{6,59}+2p_{7,7}+p_{7,71}+4p_{7,87}+p_{7,55}+2p_{7,15}+4p_{7,79}\\&+2p_{7,47}+3p_{7,111}+p_{7,31}+p_{6,63})\end{aligned}}$$

$$p_{8,229} = \frac{1}{2}p_{7,101} - \frac{1}{2}\sqrt{\begin{aligned} & p_{7,101}^2 - 4(2p_{7,32} + p_{7,96} + p_{6,8} + 2p_{7,40} + p_{7,104} + p_{6,24} \\ & + 2p_{7,56} + p_{7,68} + 2p_{6,36} + p_{6,20} + 2p_{7,52} + p_{7,116} + 2p_{7,76} + p_{7,108} \\ & + p_{7,92} + 2p_{7,60} + 3p_{7,2} + p_{6,34} + p_{7,18} + 2p_{7,82} + p_{7,10} + 2p_{7,74} \\ & + 2p_{7,90} + 2p_{6,6} + 4p_{7,38} + p_{7,102} + 2p_{7,14} + 3p_{7,78} + 2p_{7,46} + 5p_{7,30} \\ & + 2p_{7,94} + p_{6,62} + p_{6,33} + 2p_{7,81} + 2p_{7,49} + 2p_{7,9} + 3p_{7,73} + p_{7,105} \\ & + p_{7,89} + p_{7,121} + 2p_{7,101} + p_{7,21} + p_{6,53} + 2p_{6,13} + p_{7,109} + p_{7,29} \\ & + 2p_{7,61} + p_{7,3} + 2p_{7,67} + p_{7,83} + p_{7,115} + 2p_{7,11} + 2p_{7,43} + p_{7,107} \\ & + p_{7,91} + p_{6,59} + 2p_{7,7} + p_{7,71} + 4p_{7,87} + p_{7,55} + 2p_{7,15} + 4p_{7,79} \\ & + 2p_{7,47} + 3p_{7,111} + p_{7,31} + p_{6,63}) \end{aligned}}$$

$$p_{8,21} = \frac{1}{2}p_{7,21} - \frac{1}{2}\sqrt{\begin{aligned} & p_{7,21}^2 - 4(p_{7,16} + 2p_{7,80} + p_{6,8} + 2p_{7,104} + p_{7,24} + 2p_{7,88} \\ & + p_{6,56} + p_{6,4} + p_{7,36} + 2p_{7,100} + 2p_{6,20} + p_{7,116} + p_{7,12} + 2p_{7,108} \\ & + p_{7,28} + 2p_{7,124} + 2p_{7,2} + p_{7,66} + p_{6,18} + 3p_{7,50} + 2p_{7,10} + p_{7,58} \\ & + 2p_{7,122} + p_{7,22} + 4p_{7,86} + 2p_{6,54} + 2p_{7,14} + 5p_{7,78} + p_{6,46} + 2p_{7,94} \\ & + 2p_{7,62} + 3p_{7,126} + 2p_{7,1} + 2p_{7,97} + p_{6,17} + p_{7,9} + p_{7,41} + p_{7,25} \\ & + 2p_{7,57} + 3p_{7,121} + p_{7,69} + p_{6,37} + 2p_{7,21} + p_{7,77} + 2p_{7,109} + p_{7,29} \\ & + 2p_{6,61} + p_{7,3} + p_{7,35} + p_{7,51} + 2p_{7,115} + p_{7,11} + p_{6,43} + p_{7,27} \\ & + 2p_{7,91} + 2p_{7,59} + 4p_{7,7} + p_{7,103} + 2p_{7,55} + p_{7,119} + p_{7,79} + p_{6,47} \\ & + 3p_{7,31} + 2p_{7,95} + 2p_{7,63} + 4p_{7,127}) \end{aligned}}$$

$$p_{8,149} = \frac{1}{2}p_{7,21} + \frac{1}{2}\sqrt{\begin{aligned} & p_{7,21}^2 - 4(p_{7,16} + 2p_{7,80} + p_{6,8} + 2p_{7,104} + p_{7,24} + 2p_{7,88} \\ & + p_{6,56} + p_{6,4} + p_{7,36} + 2p_{7,100} + 2p_{6,20} + p_{7,116} + p_{7,12} + 2p_{7,108} \\ & + p_{7,28} + 2p_{7,124} + 2p_{7,2} + p_{7,66} + p_{6,18} + 3p_{7,50} + 2p_{7,10} + p_{7,58} \\ & + 2p_{7,122} + p_{7,22} + 4p_{7,86} + 2p_{6,54} + 2p_{7,14} + 5p_{7,78} + p_{6,46} + 2p_{7,94} \\ & + 2p_{7,62} + 3p_{7,126} + 2p_{7,1} + 2p_{7,97} + p_{6,17} + p_{7,9} + p_{7,41} + p_{7,25} \\ & + 2p_{7,57} + 3p_{7,121} + p_{7,69} + p_{6,37} + 2p_{7,21} + p_{7,77} + 2p_{7,109} + p_{7,29} \\ & + 2p_{6,61} + p_{7,3} + p_{7,35} + p_{7,51} + 2p_{7,115} + p_{7,11} + p_{6,43} + p_{7,27} \\ & + 2p_{7,91} + 2p_{7,59} + 4p_{7,7} + p_{7,103} + 2p_{7,55} + p_{7,119} + p_{7,79} + p_{6,47} \\ & + 3p_{7,31} + 2p_{7,95} + 2p_{7,63} + 4p_{7,127}) \end{aligned}}$$

$$p_{8,85} = \frac{1}{2}p_{7,85} - \frac{1}{2}\sqrt{\begin{aligned} & p_{7,85}^2 - 4(2p_{7,16} + p_{7,80} + p_{6,8} + 2p_{7,40} + 2p_{7,24} + p_{7,88} \\ & + p_{6,56} + p_{6,4} + 2p_{7,36} + p_{7,100} + 2p_{6,20} + p_{7,52} + p_{7,76} + 2p_{7,44} \\ & + p_{7,92} + 2p_{7,60} + p_{7,2} + 2p_{7,66} + p_{6,18} + 3p_{7,114} + 2p_{7,74} + 2p_{7,58} \\ & + p_{7,122} + 4p_{7,22} + p_{7,86} + 2p_{6,54} + 5p_{7,14} + 2p_{7,78} + p_{6,46} + 2p_{7,30} \\ & + 3p_{7,62} + 2p_{7,126} + 2p_{7,65} + 2p_{7,33} + p_{6,17} + p_{7,73} + p_{7,105} + p_{7,89} \\ & + 3p_{7,57} + 2p_{7,121} + p_{7,5} + p_{6,37} + 2p_{7,85} + p_{7,13} + 2p_{7,45} + p_{7,93} \\ & + 2p_{6,61} + p_{7,67} + p_{7,99} + 2p_{7,51} + p_{7,115} + p_{7,75} + p_{6,43} + 2p_{7,27} \\ & + p_{7,91} + 2p_{7,123} + 4p_{7,71} + p_{7,39} + p_{7,55} + 2p_{7,119} + p_{7,15} + p_{6,47} \\ & + 2p_{7,31} + 3p_{7,95} + 4p_{7,63} + 2p_{7,127}) \end{aligned}}$$

$$p_{8,213} = \frac{1}{2}p_{7,85} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,85}^2 - 4(2p_{7,16} + p_{7,80} + p_{6,8} + 2p_{7,40} + 2p_{7,24} + p_{7,88}\\&+ p_{6,56} + p_{6,4} + 2p_{7,36} + p_{7,100} + 2p_{6,20} + p_{7,52} + p_{7,76} + 2p_{7,44}\\&+ p_{7,92} + 2p_{7,60} + p_{7,2} + 2p_{7,66} + p_{6,18} + 3p_{7,114} + 2p_{7,74} + 2p_{7,58}\\&+ p_{7,122} + 4p_{7,22} + p_{7,86} + 2p_{6,54} + 5p_{7,14} + 2p_{7,78} + p_{6,46} + 2p_{7,30}\\&+ 3p_{7,62} + 2p_{7,126} + 2p_{7,65} + 2p_{7,33} + p_{6,17} + p_{7,73} + p_{7,105} + p_{7,89}\\&+ 3p_{7,57} + 2p_{7,121} + p_{7,5} + p_{6,37} + 2p_{7,85} + p_{7,13} + 2p_{7,45} + p_{7,93}\\&+ 2p_{6,61} + p_{7,67} + p_{7,99} + 2p_{7,51} + p_{7,115} + p_{7,75} + p_{6,43} + 2p_{7,27}\\&+ p_{7,91} + 2p_{7,123} + 4p_{7,71} + p_{7,39} + p_{7,55} + 2p_{7,119} + p_{7,15} + p_{6,47}\\&+ 2p_{7,31} + 3p_{7,95} + 4p_{7,63} + 2p_{7,127})\end{aligned}}$$

$$p_{8,53} = \frac{1}{2}p_{7,53} - \frac{1}{2}\sqrt{\begin{aligned}&p_{7,53}^2 - 4(p_{7,48} + 2p_{7,112} + 2p_{7,8} + p_{6,40} + p_{6,24} + p_{7,56}\\&+ 2p_{7,120} + 2p_{7,4} + p_{7,68} + p_{6,36} + p_{7,20} + 2p_{6,52} + 2p_{7,12} + p_{7,44}\\&+ 2p_{7,28} + p_{7,60} + 2p_{7,34} + p_{7,98} + 3p_{7,82} + p_{6,50} + 2p_{7,42} + 2p_{7,26}\\&+ p_{7,90} + 2p_{6,22} + p_{7,54} + 4p_{7,118} + p_{6,14} + 2p_{7,46} + 5p_{7,110} + 3p_{7,30}\\&+ 2p_{7,94} + 2p_{7,126} + 2p_{7,1} + 2p_{7,33} + p_{6,49} + p_{7,73} + p_{7,41} + 3p_{7,25}\\&+ 2p_{7,89} + p_{7,57} + p_{6,5} + p_{7,101} + 2p_{7,53} + 2p_{7,13} + p_{7,109} + 2p_{6,29}\\&+ p_{7,61} + p_{7,67} + p_{7,35} + 2p_{7,19} + p_{7,83} + p_{6,11} + p_{7,43} + 2p_{7,91}\\&+ p_{7,59} + 2p_{7,123} + p_{7,7} + 4p_{7,39} + p_{7,23} + 2p_{7,87} + p_{6,15} + p_{7,111}\\&+ 4p_{7,31} + 2p_{7,95} + 3p_{7,63} + 2p_{7,127})\end{aligned}}$$

$$p_{8,181} = \frac{1}{2}p_{7,53} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,53}^2 - 4(p_{7,48} + 2p_{7,112} + 2p_{7,8} + p_{6,40} + p_{6,24} + p_{7,56}\\&+ 2p_{7,120} + 2p_{7,4} + p_{7,68} + p_{6,36} + p_{7,20} + 2p_{6,52} + 2p_{7,12} + p_{7,44}\\&+ 2p_{7,28} + p_{7,60} + 2p_{7,34} + p_{7,98} + 3p_{7,82} + p_{6,50} + 2p_{7,42} + 2p_{7,26}\\&+ p_{7,90} + 2p_{6,22} + p_{7,54} + 4p_{7,118} + p_{6,14} + 2p_{7,46} + 5p_{7,110} + 3p_{7,30}\\&+ 2p_{7,94} + 2p_{7,126} + 2p_{7,1} + 2p_{7,33} + p_{6,49} + p_{7,73} + p_{7,41} + 3p_{7,25}\\&+ 2p_{7,89} + p_{7,57} + p_{6,5} + p_{7,101} + 2p_{7,53} + 2p_{7,13} + p_{7,109} + 2p_{6,29}\\&+ p_{7,61} + p_{7,67} + p_{7,35} + 2p_{7,19} + p_{7,83} + p_{6,11} + p_{7,43} + 2p_{7,91}\\&+ p_{7,59} + 2p_{7,123} + p_{7,7} + 4p_{7,39} + p_{7,23} + 2p_{7,87} + p_{6,15} + p_{7,111}\\&+ 4p_{7,31} + 2p_{7,95} + 3p_{7,63} + 2p_{7,127})\end{aligned}}$$

$$p_{8,117} = \frac{1}{2}p_{7,117} - \frac{1}{2}\sqrt{\begin{aligned}&p_{7,117}^2 - 4(2p_{7,48} + p_{7,112} + 2p_{7,72} + p_{6,40} + p_{6,24} + 2p_{7,56}\\&+ p_{7,120} + p_{7,4} + 2p_{7,68} + p_{6,36} + p_{7,84} + 2p_{6,52} + 2p_{7,76} + p_{7,108}\\&+ 2p_{7,92} + p_{7,124} + p_{7,34} + 2p_{7,98} + 3p_{7,18} + p_{6,50} + 2p_{7,106} + p_{7,26}\\&+ 2p_{7,90} + 2p_{6,22} + 4p_{7,54} + p_{7,118} + p_{6,14} + 5p_{7,46} + 2p_{7,110}\\&+ 2p_{7,30} + 3p_{7,94} + 2p_{7,62} + 2p_{7,65} + 2p_{7,97} + p_{6,49} + p_{7,9} + p_{7,105}\\&+ 2p_{7,25} + 3p_{7,89} + p_{7,121} + p_{6,5} + p_{7,37} + 2p_{7,117} + 2p_{7,77} + p_{7,45}\\&+ 2p_{6,29} + p_{7,125} + p_{7,3} + p_{7,99} + p_{7,19} + 2p_{7,83} + p_{6,11} + p_{7,107}\\&+ 2p_{7,27} + 2p_{7,59} + p_{7,123} + p_{7,71} + 4p_{7,103} + 2p_{7,23} + p_{7,87} + p_{6,15}\\&+ p_{7,47} + 2p_{7,31} + 4p_{7,95} + 2p_{7,63} + 3p_{7,127})\end{aligned}}$$

$$p_{8,245} = \frac{1}{2}p_{7,117} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,117}^2 - 4(2p_{7,48} + p_{7,112} + 2p_{7,72} + p_{6,40} + p_{6,24} + 2p_{7,56}\\ &+ p_{7,120} + p_{7,4} + 2p_{7,68} + p_{6,36} + p_{7,84} + 2p_{6,52} + 2p_{7,76} + p_{7,108}\\ &+ 2p_{7,92} + p_{7,124} + p_{7,34} + 2p_{7,98} + 3p_{7,18} + p_{6,50} + 2p_{7,106} + p_{7,26}\\ &+ 2p_{7,90} + 2p_{6,22} + 4p_{7,54} + p_{7,118} + p_{6,14} + 5p_{7,46} + 2p_{7,110}\\ &+ 2p_{7,30} + 3p_{7,94} + 2p_{7,62} + 2p_{7,65} + 2p_{7,97} + p_{6,49} + p_{7,9} + p_{7,105}\\ &+ 2p_{7,25} + 3p_{7,89} + p_{7,121} + p_{6,5} + p_{7,37} + 2p_{7,117} + 2p_{7,77} + p_{7,45}\\ &+ 2p_{6,29} + p_{7,125} + p_{7,3} + p_{7,99} + p_{7,19} + 2p_{7,83} + p_{6,11} + p_{7,107}\\ &+ 2p_{7,27} + 2p_{7,59} + p_{7,123} + p_{7,71} + 4p_{7,103} + 2p_{7,23} + p_{7,87} + p_{6,15}\\ &+ p_{7,47} + 2p_{7,31} + 4p_{7,95} + 2p_{7,63} + 3p_{7,127})\end{aligned}}$$

$$p_{8,13} = \frac{1}{2}p_{7,13} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,13}^2 - 4(p_{6,0} + 2p_{7,96} + p_{7,16} + 2p_{7,80} + p_{6,48} + p_{7,8}\\ &+ 2p_{7,72} + p_{7,4} + 2p_{7,100} + p_{7,20} + 2p_{7,116} + 2p_{6,12} + p_{7,108} + p_{7,28}\\ &+ 2p_{7,92} + p_{6,60} + 2p_{7,2} + p_{7,50} + 2p_{7,114} + p_{6,10} + 3p_{7,42} + p_{7,58}\\ &+ 2p_{7,122} + 2p_{7,6} + 5p_{7,70} + p_{6,38} + 2p_{7,86} + 2p_{7,54} + 3p_{7,118} + p_{7,14}\\ &+ 4p_{7,78} + 2p_{6,46} + p_{7,1} + p_{7,33} + p_{7,17} + 2p_{7,49} + 3p_{7,113} + p_{6,9}\\ &+ 2p_{7,89} + 2p_{7,121} + p_{7,69} + 2p_{7,101} + p_{7,21} + 2p_{6,53} + 2p_{7,13} + p_{6,29}\\ &+ p_{7,61} + p_{7,3} + p_{6,35} + p_{7,19} + 2p_{7,83} + 2p_{7,51} + p_{7,43} + 2p_{7,107}\\ &+ p_{7,27} + p_{7,123} + p_{7,71} + p_{6,39} + 3p_{7,23} + 2p_{7,87} + 2p_{7,55} + 4p_{7,119}\\ &+ 2p_{7,47} + p_{7,111} + p_{7,95} + 4p_{7,127})\end{aligned}}$$

$$p_{8,141} = \frac{1}{2}p_{7,13} - \frac{1}{2}\sqrt{\begin{aligned}&p_{7,13}^2 - 4(p_{6,0} + 2p_{7,96} + p_{7,16} + 2p_{7,80} + p_{6,48} + p_{7,8}\\ &+ 2p_{7,72} + p_{7,4} + 2p_{7,100} + p_{7,20} + 2p_{7,116} + 2p_{6,12} + p_{7,108} + p_{7,28}\\ &+ 2p_{7,92} + p_{6,60} + 2p_{7,2} + p_{7,50} + 2p_{7,114} + p_{6,10} + 3p_{7,42} + p_{7,58}\\ &+ 2p_{7,122} + 2p_{7,6} + 5p_{7,70} + p_{6,38} + 2p_{7,86} + 2p_{7,54} + 3p_{7,118} + p_{7,14}\\ &+ 4p_{7,78} + 2p_{6,46} + p_{7,1} + p_{7,33} + p_{7,17} + 2p_{7,49} + 3p_{7,113} + p_{6,9}\\ &+ 2p_{7,89} + 2p_{7,121} + p_{7,69} + 2p_{7,101} + p_{7,21} + 2p_{6,53} + 2p_{7,13} + p_{6,29}\\ &+ p_{7,61} + p_{7,3} + p_{6,35} + p_{7,19} + 2p_{7,83} + 2p_{7,51} + p_{7,43} + 2p_{7,107}\\ &+ p_{7,27} + p_{7,123} + p_{7,71} + p_{6,39} + 3p_{7,23} + 2p_{7,87} + 2p_{7,55} + 4p_{7,119}\\ &+ 2p_{7,47} + p_{7,111} + p_{7,95} + 4p_{7,127})\end{aligned}}$$

$$p_{8,77} = \frac{1}{2}p_{7,77} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,77}^2 - 4(p_{6,0} + 2p_{7,32} + 2p_{7,16} + p_{7,80} + p_{6,48} + 2p_{7,8}\\ &+ p_{7,72} + p_{7,68} + 2p_{7,36} + p_{7,84} + 2p_{7,52} + 2p_{6,12} + p_{7,44} + 2p_{7,28}\\ &+ p_{7,92} + p_{6,60} + 2p_{7,66} + 2p_{7,50} + p_{7,114} + p_{6,10} + 3p_{7,106} + 2p_{7,58}\\ &+ p_{7,122} + 5p_{7,6} + 2p_{7,70} + p_{6,38} + 2p_{7,22} + 3p_{7,54} + 2p_{7,118}\\ &+ 4p_{7,14} + p_{7,78} + 2p_{6,46} + p_{7,65} + p_{7,97} + p_{7,81} + 3p_{7,49} + 2p_{7,113}\\ &+ p_{6,9} + 2p_{7,25} + 2p_{7,57} + p_{7,5} + 2p_{7,37} + p_{7,85} + 2p_{6,53} + 2p_{7,77}\\ &+ p_{6,29} + p_{7,125} + p_{7,67} + p_{6,35} + 2p_{7,19} + p_{7,83} + 2p_{7,115} + 2p_{7,43}\\ &+ p_{7,107} + p_{7,91} + p_{7,59} + p_{7,7} + p_{6,39} + 2p_{7,23} + 3p_{7,87} + 4p_{7,55}\\ &+ 2p_{7,119} + p_{7,47} + 2p_{7,111} + p_{7,31} + 4p_{7,63})\end{aligned}}$$

$$p_{8,205} = \frac{1}{2}p_{7,77} - \frac{1}{2}\sqrt{\begin{array}{l} p_{7,77}^2 - 4(p_{6,0} + 2p_{7,32} + 2p_{7,16} + p_{7,80} + p_{6,48} + 2p_{7,8} \\ \quad + p_{7,72} + p_{7,68} + 2p_{7,36} + p_{7,84} + 2p_{7,52} + 2p_{6,12} + p_{7,44} + 2p_{7,28} \\ \quad + p_{7,92} + p_{6,60} + 2p_{7,66} + 2p_{7,50} + p_{7,114} + p_{6,10} + 3p_{7,106} + 2p_{7,58} \\ \quad + p_{7,122} + 5p_{7,6} + 2p_{7,70} + p_{6,38} + 2p_{7,22} + 3p_{7,54} + 2p_{7,118} \\ \quad + 4p_{7,14} + p_{7,78} + 2p_{6,46} + p_{7,65} + p_{7,97} + p_{7,81} + 3p_{7,49} + 2p_{7,113} \\ \quad + p_{6,9} + 2p_{7,25} + 2p_{7,57} + p_{7,5} + 2p_{7,37} + p_{7,85} + 2p_{6,53} + 2p_{7,77} \\ \quad + p_{6,29} + p_{7,125} + p_{7,67} + p_{6,35} + 2p_{7,19} + p_{7,83} + 2p_{7,115} + 2p_{7,43} \\ \quad + p_{7,107} + p_{7,91} + p_{7,59} + p_{7,7} + p_{6,39} + 2p_{7,23} + 3p_{7,87} + 4p_{7,55} \\ \quad + 2p_{7,119} + p_{7,47} + 2p_{7,111} + p_{7,31} + 4p_{7,63}) \end{array}}$$

$$p_{8,45} = \frac{1}{2}p_{7,45} - \frac{1}{2}\sqrt{\begin{array}{l} p_{7,45}^2 - 4(2p_{7,0} + p_{6,32} + p_{6,16} + p_{7,48} + 2p_{7,112} + p_{7,40} \\ \quad + 2p_{7,104} + 2p_{7,4} + p_{7,36} + 2p_{7,20} + p_{7,52} + p_{7,12} + 2p_{6,44} + p_{6,28} \\ \quad + p_{7,60} + 2p_{7,124} + 2p_{7,34} + 2p_{7,18} + p_{7,82} + 3p_{7,74} + p_{6,42} + 2p_{7,26} \\ \quad + p_{7,90} + p_{6,6} + 2p_{7,38} + 5p_{7,102} + 3p_{7,22} + 2p_{7,86} + 2p_{7,118} + 2p_{6,14} \\ \quad + p_{7,46} + 4p_{7,110} + p_{7,65} + p_{7,33} + 3p_{7,17} + 2p_{7,81} + p_{7,49} + p_{6,41} \\ \quad + 2p_{7,25} + 2p_{7,121} + 2p_{7,5} + p_{7,101} + 2p_{6,21} + p_{7,53} + 2p_{7,45} + p_{7,93} \\ \quad + p_{6,61} + p_{6,3} + p_{7,35} + 2p_{7,83} + p_{7,51} + 2p_{7,115} + 2p_{7,11} + p_{7,75} \\ \quad + p_{7,27} + p_{7,59} + p_{6,7} + p_{7,103} + 4p_{7,23} + 2p_{7,87} + 3p_{7,55} + 2p_{7,119} \\ \quad + p_{7,15} + 2p_{7,79} + 4p_{7,31} + p_{7,127}) \end{array}}$$

$$p_{8,173} = \frac{1}{2}p_{7,45} + \frac{1}{2}\sqrt{\begin{array}{l} p_{7,45}^2 - 4(2p_{7,0} + p_{6,32} + p_{6,16} + p_{7,48} + 2p_{7,112} + p_{7,40} \\ \quad + 2p_{7,104} + 2p_{7,4} + p_{7,36} + 2p_{7,20} + p_{7,52} + p_{7,12} + 2p_{6,44} + p_{6,28} \\ \quad + p_{7,60} + 2p_{7,124} + 2p_{7,34} + 2p_{7,18} + p_{7,82} + 3p_{7,74} + p_{6,42} + 2p_{7,26} \\ \quad + p_{7,90} + p_{6,6} + 2p_{7,38} + 5p_{7,102} + 3p_{7,22} + 2p_{7,86} + 2p_{7,118} + 2p_{6,14} \\ \quad + p_{7,46} + 4p_{7,110} + p_{7,65} + p_{7,33} + 3p_{7,17} + 2p_{7,81} + p_{7,49} + p_{6,41} \\ \quad + 2p_{7,25} + 2p_{7,121} + 2p_{7,5} + p_{7,101} + 2p_{6,21} + p_{7,53} + 2p_{7,45} + p_{7,93} \\ \quad + p_{6,61} + p_{6,3} + p_{7,35} + 2p_{7,83} + p_{7,51} + 2p_{7,115} + 2p_{7,11} + p_{7,75} \\ \quad + p_{7,27} + p_{7,59} + p_{6,7} + p_{7,103} + 4p_{7,23} + 2p_{7,87} + 3p_{7,55} + 2p_{7,119} \\ \quad + p_{7,15} + 2p_{7,79} + 4p_{7,31} + p_{7,127}) \end{array}}$$

$$p_{8,109} = \frac{1}{2}p_{7,109} + \frac{1}{2}\sqrt{\begin{array}{l} p_{7,109}^2 - 4(2p_{7,64} + p_{6,32} + p_{6,16} + 2p_{7,48} + p_{7,112} + 2p_{7,40} \\ \quad + p_{7,104} + 2p_{7,68} + p_{7,100} + 2p_{7,84} + p_{7,116} + p_{7,76} + 2p_{6,44} + p_{6,28} \\ \quad + 2p_{7,60} + p_{7,124} + 2p_{7,98} + p_{7,18} + 2p_{7,82} + 3p_{7,10} + p_{6,42} + p_{7,26} \\ \quad + 2p_{7,90} + p_{6,6} + 5p_{7,38} + 2p_{7,102} + 2p_{7,22} + 3p_{7,86} + 2p_{7,54} + 2p_{6,14} \\ \quad + 4p_{7,46} + p_{7,110} + p_{7,1} + p_{7,97} + 2p_{7,17} + 3p_{7,81} + p_{7,113} + p_{6,41} \\ \quad + 2p_{7,89} + 2p_{7,57} + 2p_{7,69} + p_{7,37} + 2p_{6,21} + p_{7,117} + 2p_{7,109} + p_{7,29} \\ \quad + p_{6,61} + p_{6,3} + p_{7,99} + 2p_{7,19} + 2p_{7,51} + p_{7,115} + p_{7,11} + 2p_{7,75} \\ \quad + p_{7,91} + p_{7,123} + p_{6,7} + p_{7,39} + 2p_{7,23} + 4p_{7,87} + 2p_{7,55} + 3p_{7,119} \\ \quad + 2p_{7,15} + p_{7,79} + 4p_{7,95} + p_{7,63}) \end{array}}$$

$$p_{8,237} = \frac{1}{2}p_{7,109} - \frac{1}{2}\sqrt{\begin{aligned}&p_{7,109}^2 - 4(2p_{7,64} + p_{6,32} + p_{6,16} + 2p_{7,48} + p_{7,112} + 2p_{7,40}\\ &+ p_{7,104} + 2p_{7,68} + p_{7,100} + 2p_{7,84} + p_{7,116} + p_{7,76} + 2p_{6,44} + p_{6,28}\\ &+ 2p_{7,60} + p_{7,124} + 2p_{7,98} + p_{7,18} + 2p_{7,82} + 3p_{7,10} + p_{6,42} + p_{7,26}\\ &+ 2p_{7,90} + p_{6,6} + 5p_{7,38} + 2p_{7,102} + 2p_{7,22} + 3p_{7,86} + 2p_{7,54} + 2p_{6,14}\\ &+ 4p_{7,46} + p_{7,110} + p_{7,1} + p_{7,97} + 2p_{7,17} + 3p_{7,81} + p_{7,113} + p_{6,41}\\ &+ 2p_{7,89} + 2p_{7,57} + 2p_{7,69} + p_{7,37} + 2p_{6,21} + p_{7,117} + 2p_{7,109} + p_{7,29}\\ &+ p_{6,61} + p_{6,3} + p_{7,99} + 2p_{7,19} + 2p_{7,51} + p_{7,115} + p_{7,11} + 2p_{7,75}\\ &+ p_{7,91} + p_{7,123} + p_{6,7} + p_{7,39} + 2p_{7,23} + 4p_{7,87} + 2p_{7,55} + 3p_{7,119}\\ &+ 2p_{7,15} + p_{7,79} + 4p_{7,95} + p_{7,63})\end{aligned}}$$

$$p_{8,29} = \frac{1}{2}p_{7,29} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,29}^2 - 4(p_{6,0} + p_{7,32} + 2p_{7,96} + p_{6,16} + 2p_{7,112} + p_{7,24}\\ &+ 2p_{7,88} + 2p_{7,4} + p_{7,36} + p_{7,20} + 2p_{7,116} + p_{6,12} + p_{7,44} + 2p_{7,108}\\ &+ 2p_{6,28} + p_{7,124} + 2p_{7,2} + p_{7,66} + 2p_{7,18} + 2p_{7,10} + p_{7,74} + p_{6,26}\\ &+ 3p_{7,58} + 3p_{7,6} + 2p_{7,70} + 2p_{7,102} + 2p_{7,22} + 5p_{7,86} + p_{6,54} + p_{7,30}\\ &+ 4p_{7,94} + 2p_{6,62} + 3p_{7,1} + 2p_{7,65} + p_{7,33} + p_{7,17} + p_{7,49} + 2p_{7,9}\\ &+ 2p_{7,105} + p_{6,25} + 2p_{6,5} + p_{7,37} + p_{7,85} + 2p_{7,117} + p_{7,77} + p_{6,45}\\ &+ 2p_{7,29} + 2p_{7,67} + p_{7,35} + 2p_{7,99} + p_{7,19} + p_{6,51} + p_{7,11} + p_{7,43}\\ &+ p_{7,59} + 2p_{7,123} + 4p_{7,7} + 2p_{7,71} + 3p_{7,39} + 2p_{7,103} + p_{7,87} + p_{6,55}\\ &+ 4p_{7,15} + p_{7,111} + 2p_{7,63} + p_{7,127})\end{aligned}}$$

$$p_{8,157} = \frac{1}{2}p_{7,29} - \frac{1}{2}\sqrt{\begin{aligned}&p_{7,29}^2 - 4(p_{6,0} + p_{7,32} + 2p_{7,96} + p_{6,16} + 2p_{7,112} + p_{7,24}\\ &+ 2p_{7,88} + 2p_{7,4} + p_{7,36} + p_{7,20} + 2p_{7,116} + p_{6,12} + p_{7,44} + 2p_{7,108}\\ &+ 2p_{6,28} + p_{7,124} + 2p_{7,2} + p_{7,66} + 2p_{7,18} + 2p_{7,10} + p_{7,74} + p_{6,26}\\ &+ 3p_{7,58} + 3p_{7,6} + 2p_{7,70} + 2p_{7,102} + 2p_{7,22} + 5p_{7,86} + p_{6,54} + p_{7,30}\\ &+ 4p_{7,94} + 2p_{6,62} + 3p_{7,1} + 2p_{7,65} + p_{7,33} + p_{7,17} + p_{7,49} + 2p_{7,9}\\ &+ 2p_{7,105} + p_{6,25} + 2p_{6,5} + p_{7,37} + p_{7,85} + 2p_{7,117} + p_{7,77} + p_{6,45}\\ &+ 2p_{7,29} + 2p_{7,67} + p_{7,35} + 2p_{7,99} + p_{7,19} + p_{6,51} + p_{7,11} + p_{7,43}\\ &+ p_{7,59} + 2p_{7,123} + 4p_{7,7} + 2p_{7,71} + 3p_{7,39} + 2p_{7,103} + p_{7,87} + p_{6,55}\\ &+ 4p_{7,15} + p_{7,111} + 2p_{7,63} + p_{7,127})\end{aligned}}$$

$$p_{8,93} = \frac{1}{2}p_{7,93} - \frac{1}{2}\sqrt{\begin{aligned}&p_{7,93}^2 - 4(p_{6,0} + 2p_{7,32} + p_{7,96} + p_{6,16} + 2p_{7,48} + 2p_{7,24}\\ &+ p_{7,88} + 2p_{7,68} + p_{7,100} + p_{7,84} + 2p_{7,52} + p_{6,12} + 2p_{7,44} + p_{7,108}\\ &+ 2p_{6,28} + p_{7,60} + p_{7,2} + 2p_{7,66} + 2p_{7,82} + p_{7,10} + 2p_{7,74} + p_{6,26}\\ &+ 3p_{7,122} + 2p_{7,6} + 3p_{7,70} + 2p_{7,38} + 5p_{7,22} + 2p_{7,86} + p_{6,54}\\ &+ 4p_{7,30} + p_{7,94} + 2p_{6,62} + 2p_{7,1} + 3p_{7,65} + p_{7,97} + p_{7,81} + p_{7,113}\\ &+ 2p_{7,73} + 2p_{7,41} + p_{6,25} + 2p_{6,5} + p_{7,101} + p_{7,21} + 2p_{7,53} + p_{7,13}\\ &+ p_{6,45} + 2p_{7,93} + 2p_{7,3} + 2p_{7,35} + p_{7,99} + p_{7,83} + p_{6,51} + p_{7,75}\\ &+ p_{7,107} + 2p_{7,59} + p_{7,123} + 2p_{7,7} + 4p_{7,71} + 2p_{7,39} + 3p_{7,103}\\ &+ p_{7,23} + p_{6,55} + 4p_{7,79} + p_{7,47} + p_{7,63} + 2p_{7,127})\end{aligned}}$$

$$p_{8,221} = \frac{1}{2}p_{7,93} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,93}^2 - 4(p_{6,0} + 2p_{7,32} + p_{7,96} + p_{6,16} + 2p_{7,48} + 2p_{7,24}\\ &+ p_{7,88} + 2p_{7,68} + p_{7,100} + p_{7,84} + 2p_{7,52} + p_{6,12} + 2p_{7,44} + p_{7,108}\\ &+ 2p_{6,28} + p_{7,60} + p_{7,2} + 2p_{7,66} + 2p_{7,82} + p_{7,10} + 2p_{7,74} + p_{6,26}\\ &+ 3p_{7,122} + 2p_{7,6} + 3p_{7,70} + 2p_{7,38} + 5p_{7,22} + 2p_{7,86} + p_{6,54}\\ &+ 4p_{7,30} + p_{7,94} + 2p_{6,62} + 2p_{7,1} + 3p_{7,65} + p_{7,97} + p_{7,81} + p_{7,113}\\ &+ 2p_{7,73} + 2p_{7,41} + p_{6,25} + 2p_{6,5} + p_{7,101} + p_{7,21} + 2p_{7,53} + p_{7,13}\\ &+ p_{6,45} + 2p_{7,93} + 2p_{7,3} + 2p_{7,35} + p_{7,99} + p_{7,83} + p_{6,51} + p_{7,75}\\ &+ p_{7,107} + 2p_{7,59} + p_{7,123} + 2p_{7,7} + 4p_{7,71} + 2p_{7,39} + 3p_{7,103}\\ &+ p_{7,23} + p_{6,55} + 4p_{7,79} + p_{7,47} + p_{7,63} + 2p_{7,127})\end{aligned}}$$

$$p_{8,61} = \frac{1}{2}p_{7,61} - \frac{1}{2}\sqrt{\begin{aligned}&p_{7,61}^2 - 4(2p_{7,0} + p_{7,64} + p_{6,32} + 2p_{7,16} + p_{6,48} + p_{7,56}\\ &+ 2p_{7,120} + p_{7,68} + 2p_{7,36} + 2p_{7,20} + p_{7,52} + 2p_{7,12} + p_{7,76} + p_{6,44}\\ &+ p_{7,28} + 2p_{6,60} + 2p_{7,34} + p_{7,98} + 2p_{7,50} + 2p_{7,42} + p_{7,106} + 3p_{7,90}\\ &+ p_{6,58} + 2p_{7,6} + 3p_{7,38} + 2p_{7,102} + p_{6,22} + 2p_{7,54} + 5p_{7,118}\\ &+ 2p_{6,30} + p_{7,62} + 4p_{7,126} + p_{7,65} + 3p_{7,33} + 2p_{7,97} + p_{7,81} + p_{7,49}\\ &+ 2p_{7,9} + 2p_{7,41} + p_{6,57} + p_{7,69} + 2p_{6,37} + 2p_{7,21} + p_{7,117} + p_{6,13}\\ &+ p_{7,109} + 2p_{7,61} + 2p_{7,3} + p_{7,67} + 2p_{7,99} + p_{6,19} + p_{7,51} + p_{7,75}\\ &+ p_{7,43} + 2p_{7,27} + p_{7,91} + 2p_{7,7} + 3p_{7,71} + 4p_{7,39} + 2p_{7,103} + p_{6,23}\\ &+ p_{7,119} + p_{7,15} + 4p_{7,47} + p_{7,31} + 2p_{7,95})\end{aligned}}$$

$$p_{8,189} = \frac{1}{2}p_{7,61} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,61}^2 - 4(2p_{7,0} + p_{7,64} + p_{6,32} + 2p_{7,16} + p_{6,48} + p_{7,56}\\ &+ 2p_{7,120} + p_{7,68} + 2p_{7,36} + 2p_{7,20} + p_{7,52} + 2p_{7,12} + p_{7,76} + p_{6,44}\\ &+ p_{7,28} + 2p_{6,60} + 2p_{7,34} + p_{7,98} + 2p_{7,50} + 2p_{7,42} + p_{7,106} + 3p_{7,90}\\ &+ p_{6,58} + 2p_{7,6} + 3p_{7,38} + 2p_{7,102} + p_{6,22} + 2p_{7,54} + 5p_{7,118}\\ &+ 2p_{6,30} + p_{7,62} + 4p_{7,126} + p_{7,65} + 3p_{7,33} + 2p_{7,97} + p_{7,81} + p_{7,49}\\ &+ 2p_{7,9} + 2p_{7,41} + p_{6,57} + p_{7,69} + 2p_{6,37} + 2p_{7,21} + p_{7,117} + p_{6,13}\\ &+ p_{7,109} + 2p_{7,61} + 2p_{7,3} + p_{7,67} + 2p_{7,99} + p_{6,19} + p_{7,51} + p_{7,75}\\ &+ p_{7,43} + 2p_{7,27} + p_{7,91} + 2p_{7,7} + 3p_{7,71} + 4p_{7,39} + 2p_{7,103} + p_{6,23}\\ &+ p_{7,119} + p_{7,15} + 4p_{7,47} + p_{7,31} + 2p_{7,95})\end{aligned}}$$

$$p_{8,125} = \frac{1}{2}p_{7,125} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,125}^2 - 4(p_{7,0} + 2p_{7,64} + p_{6,32} + 2p_{7,80} + p_{6,48} + 2p_{7,56}\\ &+ p_{7,120} + p_{7,4} + 2p_{7,100} + 2p_{7,84} + p_{7,116} + p_{7,12} + 2p_{7,76} + p_{6,44}\\ &+ p_{7,92} + 2p_{6,60} + p_{7,34} + 2p_{7,98} + 2p_{7,114} + p_{7,42} + 2p_{7,106} + 3p_{7,26}\\ &+ p_{6,58} + 2p_{7,70} + 2p_{7,38} + 3p_{7,102} + p_{6,22} + 5p_{7,54} + 2p_{7,118}\\ &+ 2p_{6,30} + 4p_{7,62} + p_{7,126} + p_{7,1} + 2p_{7,33} + 3p_{7,97} + p_{7,17} + p_{7,113}\\ &+ 2p_{7,73} + 2p_{7,105} + p_{6,57} + p_{7,5} + 2p_{6,37} + 2p_{7,85} + p_{7,53} + p_{6,13}\\ &+ p_{7,45} + 2p_{7,125} + p_{7,3} + 2p_{7,67} + 2p_{7,35} + p_{6,19} + p_{7,115} + p_{7,11}\\ &+ p_{7,107} + p_{7,27} + 2p_{7,91} + 3p_{7,7} + 2p_{7,71} + 2p_{7,39} + 4p_{7,103} + p_{6,23}\\ &+ p_{7,55} + p_{7,79} + 4p_{7,111} + 2p_{7,31} + p_{7,95})\end{aligned}}$$

$$p_{8,253} = \frac{1}{2}p_{7,125} - \frac{1}{2}\sqrt{\begin{aligned}&p_{7,125}^2 - 4(p_{7,0} + 2p_{7,64} + p_{6,32} + 2p_{7,80} + p_{6,48} + 2p_{7,56}\\ &+ p_{7,120} + p_{7,4} + 2p_{7,100} + 2p_{7,84} + p_{7,116} + p_{7,12} + 2p_{7,76} + p_{6,44}\\ &+ p_{7,92} + 2p_{6,60} + p_{7,34} + 2p_{7,98} + 2p_{7,114} + p_{7,42} + 2p_{7,106} + 3p_{7,26}\\ &+ p_{6,58} + 2p_{7,70} + 2p_{7,38} + 3p_{7,102} + p_{6,22} + 5p_{7,54} + 2p_{7,118}\\ &+ 2p_{6,30} + 4p_{7,62} + p_{7,126} + p_{7,1} + 2p_{7,33} + 3p_{7,97} + p_{7,17} + p_{7,113}\\ &+ 2p_{7,73} + 2p_{7,105} + p_{6,57} + p_{7,5} + 2p_{6,37} + 2p_{7,85} + p_{7,53} + p_{6,13}\\ &+ p_{7,45} + 2p_{7,125} + p_{7,3} + 2p_{7,67} + 2p_{7,35} + p_{6,19} + p_{7,115} + p_{7,11}\\ &+ p_{7,107} + p_{7,27} + 2p_{7,91} + 3p_{7,7} + 2p_{7,71} + 2p_{7,39} + 4p_{7,103} + p_{6,23}\\ &+ p_{7,55} + p_{7,79} + 4p_{7,111} + 2p_{7,31} + p_{7,95})\end{aligned}}$$

$$p_{8,3} = \frac{1}{2}p_{7,3} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,3}^2 - 4(p_{6,0} + 3p_{7,32} + p_{7,48} + 2p_{7,112} + p_{7,40} + 2p_{7,104}\\ &+ 2p_{7,120} + p_{7,4} + 4p_{7,68} + 2p_{6,36} + 2p_{7,76} + 2p_{7,44} + 3p_{7,108} + p_{6,28}\\ &+ 5p_{7,60} + 2p_{7,124} + 2p_{6,2} + p_{7,98} + p_{7,18} + 2p_{7,82} + p_{6,50} + p_{7,10}\\ &+ 2p_{7,106} + 2p_{7,90} + p_{7,122} + p_{7,6} + 2p_{7,70} + p_{6,38} + 2p_{7,86} + p_{6,54}\\ &+ 2p_{7,62} + p_{7,126} + p_{7,33} + 2p_{7,97} + p_{7,17} + p_{7,113} + p_{7,9} + 2p_{7,73}\\ &+ 2p_{7,41} + p_{6,25} + p_{7,121} + 2p_{7,37} + p_{7,101} + p_{7,85} + 4p_{7,117} + 3p_{7,13}\\ &+ 2p_{7,77} + 2p_{7,45} + 4p_{7,109} + p_{6,29} + p_{7,61} + 2p_{7,3} + p_{6,19} + p_{7,51}\\ &+ p_{7,11} + 2p_{6,43} + 2p_{7,91} + p_{7,59} + p_{7,7} + 2p_{7,39} + 3p_{7,103} + p_{7,23}\\ &+ p_{7,119} + 2p_{7,79} + 2p_{7,111} + p_{6,63})\end{aligned}}$$

$$p_{8,131} = \frac{1}{2}p_{7,3} - \frac{1}{2}\sqrt{\begin{aligned}&p_{7,3}^2 - 4(p_{6,0} + 3p_{7,32} + p_{7,48} + 2p_{7,112} + p_{7,40} + 2p_{7,104}\\ &+ 2p_{7,120} + p_{7,4} + 4p_{7,68} + 2p_{6,36} + 2p_{7,76} + 2p_{7,44} + 3p_{7,108} + p_{6,28}\\ &+ 5p_{7,60} + 2p_{7,124} + 2p_{6,2} + p_{7,98} + p_{7,18} + 2p_{7,82} + p_{6,50} + p_{7,10}\\ &+ 2p_{7,106} + 2p_{7,90} + p_{7,122} + p_{7,6} + 2p_{7,70} + p_{6,38} + 2p_{7,86} + p_{6,54}\\ &+ 2p_{7,62} + p_{7,126} + p_{7,33} + 2p_{7,97} + p_{7,17} + p_{7,113} + p_{7,9} + 2p_{7,73}\\ &+ 2p_{7,41} + p_{6,25} + p_{7,121} + 2p_{7,37} + p_{7,101} + p_{7,85} + 4p_{7,117} + 3p_{7,13}\\ &+ 2p_{7,77} + 2p_{7,45} + 4p_{7,109} + p_{6,29} + p_{7,61} + 2p_{7,3} + p_{6,19} + p_{7,51}\\ &+ p_{7,11} + 2p_{6,43} + 2p_{7,91} + p_{7,59} + p_{7,7} + 2p_{7,39} + 3p_{7,103} + p_{7,23}\\ &+ p_{7,119} + 2p_{7,79} + 2p_{7,111} + p_{6,63})\end{aligned}}$$

$$p_{8,67} = \frac{1}{2}p_{7,67} - \frac{1}{2}\sqrt{\begin{aligned}&p_{7,67}^2 - 4(p_{6,0} + 3p_{7,96} + 2p_{7,48} + p_{7,112} + 2p_{7,40} + p_{7,104}\\ &+ 2p_{7,56} + 4p_{7,4} + p_{7,68} + 2p_{6,36} + 2p_{7,12} + 3p_{7,44} + 2p_{7,108} + p_{6,28}\\ &+ 2p_{7,60} + 5p_{7,124} + 2p_{6,2} + p_{7,34} + 2p_{7,18} + p_{7,82} + p_{6,50} + p_{7,74}\\ &+ 2p_{7,42} + 2p_{7,26} + p_{7,58} + 2p_{7,6} + p_{7,70} + p_{6,38} + 2p_{7,22} + p_{6,54}\\ &+ p_{7,62} + 2p_{7,126} + 2p_{7,33} + p_{7,97} + p_{7,81} + p_{7,49} + 2p_{7,9} + p_{7,73}\\ &+ 2p_{7,105} + p_{6,25} + p_{7,57} + p_{7,37} + 2p_{7,101} + p_{7,21} + 4p_{7,53} + 2p_{7,13}\\ &+ 3p_{7,77} + 4p_{7,45} + 2p_{7,109} + p_{6,29} + p_{7,125} + 2p_{7,67} + p_{6,19} + p_{7,115}\\ &+ p_{7,75} + 2p_{6,43} + 2p_{7,27} + p_{7,123} + p_{7,71} + 3p_{7,39} + 2p_{7,103} + p_{7,87}\\ &+ p_{7,55} + 2p_{7,15} + 2p_{7,47} + p_{6,63})\end{aligned}}$$

$$p_{8,195} = \frac{1}{2}p_{7,67} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,67}^2 - 4(p_{6,0} + 3p_{7,96} + 2p_{7,48} + p_{7,112} + 2p_{7,40} + p_{7,104}\\ &+ 2p_{7,56} + 4p_{7,4} + p_{7,68} + 2p_{6,36} + 2p_{7,12} + 3p_{7,44} + 2p_{7,108} + p_{6,28}\\ &+ 2p_{7,60} + 5p_{7,124} + 2p_{6,2} + p_{7,34} + 2p_{7,18} + p_{7,82} + p_{6,50} + p_{7,74}\\ &+ 2p_{7,42} + 2p_{7,26} + p_{7,58} + 2p_{7,6} + p_{7,70} + p_{6,38} + 2p_{7,22} + p_{6,54}\\ &+ p_{7,62} + 2p_{7,126} + 2p_{7,33} + p_{7,97} + p_{7,81} + p_{7,49} + 2p_{7,9} + p_{7,73}\\ &+ 2p_{7,105} + p_{6,25} + p_{7,57} + p_{7,37} + 2p_{7,101} + p_{7,21} + 4p_{7,53} + 2p_{7,13}\\ &+ 3p_{7,77} + 4p_{7,45} + 2p_{7,109} + p_{6,29} + p_{7,125} + 2p_{7,67} + p_{6,19} + p_{7,115}\\ &+ p_{7,75} + 2p_{6,43} + 2p_{7,27} + p_{7,123} + p_{7,71} + 3p_{7,39} + 2p_{7,103} + p_{7,87}\\ &+ p_{7,55} + 2p_{7,15} + 2p_{7,47} + p_{6,63})\end{aligned}}$$

$$p_{8,35} = \frac{1}{2}p_{7,35} - \frac{1}{2}\sqrt{\begin{aligned}&p_{7,35}^2 - 4(3p_{7,64} + p_{6,32} + 2p_{7,16} + p_{7,80} + 2p_{7,8} + p_{7,72}\\ &+ 2p_{7,24} + 2p_{6,4} + p_{7,36} + 4p_{7,100} + 3p_{7,12} + 2p_{7,76} + 2p_{7,108}\\ &+ 2p_{7,28} + 5p_{7,92} + p_{6,60} + p_{7,2} + 2p_{6,34} + p_{6,18} + p_{7,50} + 2p_{7,114}\\ &+ 2p_{7,10} + p_{7,42} + p_{7,26} + 2p_{7,122} + p_{6,6} + p_{7,38} + 2p_{7,102} + p_{6,22}\\ &+ 2p_{7,118} + p_{7,30} + 2p_{7,94} + 2p_{7,1} + p_{7,65} + p_{7,17} + p_{7,49} + 2p_{7,73}\\ &+ p_{7,41} + 2p_{7,105} + p_{7,25} + p_{6,57} + p_{7,5} + 2p_{7,69} + 4p_{7,21} + p_{7,117}\\ &+ 4p_{7,13} + 2p_{7,77} + 3p_{7,45} + 2p_{7,109} + p_{7,93} + p_{6,61} + 2p_{7,35} + p_{7,83}\\ &+ p_{6,51} + 2p_{6,11} + p_{7,43} + p_{7,91} + 2p_{7,123} + 3p_{7,7} + 2p_{7,71} + p_{7,39}\\ &+ p_{7,23} + p_{7,55} + 2p_{7,15} + 2p_{7,111} + p_{6,31})\end{aligned}}$$

$$p_{8,163} = \frac{1}{2}p_{7,35} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,35}^2 - 4(3p_{7,64} + p_{6,32} + 2p_{7,16} + p_{7,80} + 2p_{7,8} + p_{7,72}\\ &+ 2p_{7,24} + 2p_{6,4} + p_{7,36} + 4p_{7,100} + 3p_{7,12} + 2p_{7,76} + 2p_{7,108}\\ &+ 2p_{7,28} + 5p_{7,92} + p_{6,60} + p_{7,2} + 2p_{6,34} + p_{6,18} + p_{7,50} + 2p_{7,114}\\ &+ 2p_{7,10} + p_{7,42} + p_{7,26} + 2p_{7,122} + p_{6,6} + p_{7,38} + 2p_{7,102} + p_{6,22}\\ &+ 2p_{7,118} + p_{7,30} + 2p_{7,94} + 2p_{7,1} + p_{7,65} + p_{7,17} + p_{7,49} + 2p_{7,73}\\ &+ p_{7,41} + 2p_{7,105} + p_{7,25} + p_{6,57} + p_{7,5} + 2p_{7,69} + 4p_{7,21} + p_{7,117}\\ &+ 4p_{7,13} + 2p_{7,77} + 3p_{7,45} + 2p_{7,109} + p_{7,93} + p_{6,61} + 2p_{7,35} + p_{7,83}\\ &+ p_{6,51} + 2p_{6,11} + p_{7,43} + p_{7,91} + 2p_{7,123} + 3p_{7,7} + 2p_{7,71} + p_{7,39}\\ &+ p_{7,23} + p_{7,55} + 2p_{7,15} + 2p_{7,111} + p_{6,31})\end{aligned}}$$

$$p_{8,99} = \frac{1}{2}p_{7,99} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,99}^2 - 4(3p_{7,0} + p_{6,32} + p_{7,16} + 2p_{7,80} + p_{7,8} + 2p_{7,72}\\ &+ 2p_{7,88} + 2p_{6,4} + 4p_{7,36} + p_{7,100} + 2p_{7,12} + 3p_{7,76} + 2p_{7,44}\\ &+ 5p_{7,28} + 2p_{7,92} + p_{6,60} + p_{7,66} + 2p_{6,34} + p_{6,18} + 2p_{7,50} + p_{7,114}\\ &+ 2p_{7,74} + p_{7,106} + p_{7,90} + 2p_{7,58} + p_{6,6} + 2p_{7,38} + p_{7,102} + p_{6,22}\\ &+ 2p_{7,54} + 2p_{7,30} + p_{7,94} + p_{7,1} + 2p_{7,65} + p_{7,81} + p_{7,113} + 2p_{7,9}\\ &+ 2p_{7,41} + p_{7,105} + p_{7,89} + p_{6,57} + 2p_{7,5} + p_{7,69} + 4p_{7,85} + p_{7,53}\\ &+ 2p_{7,13} + 4p_{7,77} + 2p_{7,45} + 3p_{7,109} + p_{7,29} + p_{6,61} + 2p_{7,99} + p_{7,19}\\ &+ p_{6,51} + 2p_{6,11} + p_{7,107} + p_{7,27} + 2p_{7,59} + 2p_{7,7} + 3p_{7,71} + p_{7,103}\\ &+ p_{7,87} + p_{7,119} + 2p_{7,79} + 2p_{7,47} + p_{6,31})\end{aligned}}$$

$$p_{8,227} = \frac{1}{2}p_{7,99} - \frac{1}{2}\sqrt{\begin{aligned}&p_{7,99}^2 - 4(3p_{7,0} + p_{6,32} + p_{7,16} + 2p_{7,80} + p_{7,8} + 2p_{7,72}\\&+ 2p_{7,88} + 2p_{6,4} + 4p_{7,36} + p_{7,100} + 2p_{7,12} + 3p_{7,76} + 2p_{7,44}\\&+ 5p_{7,28} + 2p_{7,92} + p_{6,60} + p_{7,66} + 2p_{6,34} + p_{6,18} + 2p_{7,50} + p_{7,114}\\&+ 2p_{7,74} + p_{7,106} + p_{7,90} + 2p_{7,58} + p_{6,6} + 2p_{7,38} + p_{7,102} + p_{6,22}\\&+ 2p_{7,54} + 2p_{7,30} + p_{7,94} + p_{7,1} + 2p_{7,65} + p_{7,81} + p_{7,113} + 2p_{7,9}\\&+ 2p_{7,41} + p_{7,105} + p_{7,89} + p_{6,57} + 2p_{7,5} + p_{7,69} + 4p_{7,85} + p_{7,53}\\&+ 2p_{7,13} + 4p_{7,77} + 2p_{7,45} + 3p_{7,109} + p_{7,29} + p_{6,61} + 2p_{7,99} + p_{7,19}\\&+ p_{6,51} + 2p_{6,11} + p_{7,107} + p_{7,27} + 2p_{7,59} + 2p_{7,7} + 3p_{7,71} + p_{7,103}\\&+ p_{7,87} + p_{7,119} + 2p_{7,79} + 2p_{7,47} + p_{6,31})\end{aligned}}$$

$$p_{8,19} = \frac{1}{2}p_{7,19} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,19}^2 - 4(2p_{7,0} + p_{7,64} + p_{6,16} + 3p_{7,48} + 2p_{7,8} + p_{7,56}\\&+ 2p_{7,120} + p_{7,20} + 4p_{7,84} + 2p_{6,52} + 2p_{7,12} + 5p_{7,76} + p_{6,44} + 2p_{7,92}\\&+ 2p_{7,60} + 3p_{7,124} + p_{6,2} + p_{7,34} + 2p_{7,98} + 2p_{6,18} + p_{7,114} + p_{7,10}\\&+ 2p_{7,106} + p_{7,26} + 2p_{7,122} + p_{6,6} + 2p_{7,102} + p_{7,22} + 2p_{7,86} + p_{6,54}\\&+ p_{7,14} + 2p_{7,78} + p_{7,1} + p_{7,33} + p_{7,49} + 2p_{7,113} + p_{7,9} + p_{6,41}\\&+ p_{7,25} + 2p_{7,89} + 2p_{7,57} + 4p_{7,5} + p_{7,101} + 2p_{7,53} + p_{7,117} + p_{7,77}\\&+ p_{6,45} + 3p_{7,29} + 2p_{7,93} + 2p_{7,61} + 4p_{7,125} + p_{7,67} + p_{6,35} + 2p_{7,19}\\&+ p_{7,75} + 2p_{7,107} + p_{7,27} + 2p_{6,59} + p_{7,7} + p_{7,39} + p_{7,23} + 2p_{7,55}\\&+ 3p_{7,119} + p_{6,15} + 2p_{7,95} + 2p_{7,127})\end{aligned}}$$

$$p_{8,147} = \frac{1}{2}p_{7,19} - \frac{1}{2}\sqrt{\begin{aligned}&p_{7,19}^2 - 4(2p_{7,0} + p_{7,64} + p_{6,16} + 3p_{7,48} + 2p_{7,8} + p_{7,56}\\&+ 2p_{7,120} + p_{7,20} + 4p_{7,84} + 2p_{6,52} + 2p_{7,12} + 5p_{7,76} + p_{6,44} + 2p_{7,92}\\&+ 2p_{7,60} + 3p_{7,124} + p_{6,2} + p_{7,34} + 2p_{7,98} + 2p_{6,18} + p_{7,114} + p_{7,10}\\&+ 2p_{7,106} + p_{7,26} + 2p_{7,122} + p_{6,6} + 2p_{7,102} + p_{7,22} + 2p_{7,86} + p_{6,54}\\&+ p_{7,14} + 2p_{7,78} + p_{7,1} + p_{7,33} + p_{7,49} + 2p_{7,113} + p_{7,9} + p_{6,41}\\&+ p_{7,25} + 2p_{7,89} + 2p_{7,57} + 4p_{7,5} + p_{7,101} + 2p_{7,53} + p_{7,117} + p_{7,77}\\&+ p_{6,45} + 3p_{7,29} + 2p_{7,93} + 2p_{7,61} + 4p_{7,125} + p_{7,67} + p_{6,35} + 2p_{7,19}\\&+ p_{7,75} + 2p_{7,107} + p_{7,27} + 2p_{6,59} + p_{7,7} + p_{7,39} + p_{7,23} + 2p_{7,55}\\&+ 3p_{7,119} + p_{6,15} + 2p_{7,95} + 2p_{7,127})\end{aligned}}$$

$$p_{8,83} = \frac{1}{2}p_{7,83} - \frac{1}{2}\sqrt{\begin{aligned}&p_{7,83}^2 - 4(p_{7,0} + 2p_{7,64} + p_{6,16} + 3p_{7,112} + 2p_{7,72} + 2p_{7,56}\\&+ p_{7,120} + 4p_{7,20} + p_{7,84} + 2p_{6,52} + 5p_{7,12} + 2p_{7,76} + p_{6,44} + 2p_{7,28}\\&+ 3p_{7,60} + 2p_{7,124} + p_{6,2} + 2p_{7,34} + p_{7,98} + 2p_{6,18} + p_{7,50} + p_{7,74}\\&+ 2p_{7,42} + p_{7,90} + 2p_{7,58} + p_{6,6} + 2p_{7,38} + 2p_{7,22} + p_{7,86} + p_{6,54}\\&+ 2p_{7,14} + p_{7,78} + p_{7,65} + p_{7,97} + 2p_{7,49} + p_{7,113} + p_{7,73} + p_{6,41}\\&+ 2p_{7,25} + p_{7,89} + 2p_{7,121} + 4p_{7,69} + p_{7,37} + p_{7,53} + 2p_{7,117} + p_{7,13}\\&+ p_{6,45} + 2p_{7,29} + 3p_{7,93} + 4p_{7,61} + 2p_{7,125} + p_{7,3} + p_{6,35} + 2p_{7,83}\\&+ p_{7,11} + 2p_{7,43} + p_{7,91} + 2p_{6,59} + p_{7,71} + p_{7,103} + p_{7,87} + 3p_{7,55}\\&+ 2p_{7,119} + p_{6,15} + 2p_{7,31} + 2p_{7,63})\end{aligned}}$$

$$p_{8,211} = \frac{1}{2}p_{7,83} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,83}^2 - 4(p_{7,0} + 2p_{7,64} + p_{6,16} + 3p_{7,112} + 2p_{7,72} + 2p_{7,56}\\ &+ p_{7,120} + 4p_{7,20} + p_{7,84} + 2p_{6,52} + 5p_{7,12} + 2p_{7,76} + p_{6,44} + 2p_{7,28}\\ &+ 3p_{7,60} + 2p_{7,124} + p_{6,2} + 2p_{7,34} + p_{7,98} + 2p_{6,18} + p_{7,50} + p_{7,74}\\ &+ 2p_{7,42} + p_{7,90} + 2p_{7,58} + p_{6,6} + 2p_{7,38} + 2p_{7,22} + p_{7,86} + p_{6,54}\\ &+ 2p_{7,14} + p_{7,78} + p_{7,65} + p_{7,97} + 2p_{7,49} + p_{7,113} + p_{7,73} + p_{6,41}\\ &+ 2p_{7,25} + p_{7,89} + 2p_{7,121} + 4p_{7,69} + p_{7,37} + p_{7,53} + 2p_{7,117} + p_{7,13}\\ &+ p_{6,45} + 2p_{7,29} + 3p_{7,93} + 4p_{7,61} + 2p_{7,125} + p_{7,3} + p_{6,35} + 2p_{7,83}\\ &+ p_{7,11} + 2p_{7,43} + p_{7,91} + 2p_{6,59} + p_{7,71} + p_{7,103} + p_{7,87} + 3p_{7,55}\\ &+ 2p_{7,119} + p_{6,15} + 2p_{7,31} + 2p_{7,63})\end{aligned}}$$

$$p_{8,51} = \frac{1}{2}p_{7,51} - \frac{1}{2}\sqrt{\begin{aligned}&p_{7,51}^2 - 4(2p_{7,32} + p_{7,96} + 3p_{7,80} + p_{6,48} + 2p_{7,40} + 2p_{7,24}\\ &+ p_{7,88} + 2p_{6,20} + p_{7,52} + 4p_{7,116} + p_{6,12} + 2p_{7,44} + 5p_{7,108} + 3p_{7,28}\\ &+ 2p_{7,92} + 2p_{7,124} + 2p_{7,2} + p_{7,66} + p_{6,34} + p_{7,18} + 2p_{6,50} + 2p_{7,10}\\ &+ p_{7,42} + 2p_{7,26} + p_{7,58} + 2p_{7,6} + p_{6,38} + p_{6,22} + p_{7,54} + 2p_{7,118}\\ &+ p_{7,46} + 2p_{7,110} + p_{7,65} + p_{7,33} + 2p_{7,17} + p_{7,81} + p_{6,9} + p_{7,41}\\ &+ 2p_{7,89} + p_{7,57} + 2p_{7,121} + p_{7,5} + 4p_{7,37} + p_{7,21} + 2p_{7,85} + p_{6,13}\\ &+ p_{7,109} + 4p_{7,29} + 2p_{7,93} + 3p_{7,61} + 2p_{7,125} + p_{6,3} + p_{7,99} + 2p_{7,51}\\ &+ 2p_{7,11} + p_{7,107} + 2p_{6,27} + p_{7,59} + p_{7,71} + p_{7,39} + 3p_{7,23} + 2p_{7,87}\\ &+ p_{7,55} + p_{6,47} + 2p_{7,31} + 2p_{7,127})\end{aligned}}$$

$$p_{8,179} = \frac{1}{2}p_{7,51} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,51}^2 - 4(2p_{7,32} + p_{7,96} + 3p_{7,80} + p_{6,48} + 2p_{7,40} + 2p_{7,24}\\ &+ p_{7,88} + 2p_{6,20} + p_{7,52} + 4p_{7,116} + p_{6,12} + 2p_{7,44} + 5p_{7,108} + 3p_{7,28}\\ &+ 2p_{7,92} + 2p_{7,124} + 2p_{7,2} + p_{7,66} + p_{6,34} + p_{7,18} + 2p_{6,50} + 2p_{7,10}\\ &+ p_{7,42} + 2p_{7,26} + p_{7,58} + 2p_{7,6} + p_{6,38} + p_{6,22} + p_{7,54} + 2p_{7,118}\\ &+ p_{7,46} + 2p_{7,110} + p_{7,65} + p_{7,33} + 2p_{7,17} + p_{7,81} + p_{6,9} + p_{7,41}\\ &+ 2p_{7,89} + p_{7,57} + 2p_{7,121} + p_{7,5} + 4p_{7,37} + p_{7,21} + 2p_{7,85} + p_{6,13}\\ &+ p_{7,109} + 4p_{7,29} + 2p_{7,93} + 3p_{7,61} + 2p_{7,125} + p_{6,3} + p_{7,99} + 2p_{7,51}\\ &+ 2p_{7,11} + p_{7,107} + 2p_{6,27} + p_{7,59} + p_{7,71} + p_{7,39} + 3p_{7,23} + 2p_{7,87}\\ &+ p_{7,55} + p_{6,47} + 2p_{7,31} + 2p_{7,127})\end{aligned}}$$

$$p_{8,115} = \frac{1}{2}p_{7,115} - \frac{1}{2}\sqrt{\begin{aligned}&p_{7,115}^2 - 4(p_{7,32} + 2p_{7,96} + 3p_{7,16} + p_{6,48} + 2p_{7,104} + p_{7,24}\\ &+ 2p_{7,88} + 2p_{6,20} + 4p_{7,52} + p_{7,116} + p_{6,12} + 5p_{7,44} + 2p_{7,108}\\ &+ 2p_{7,28} + 3p_{7,92} + 2p_{7,60} + p_{7,2} + 2p_{7,66} + p_{6,34} + p_{7,82} + 2p_{6,50}\\ &+ 2p_{7,74} + p_{7,106} + 2p_{7,90} + p_{7,122} + 2p_{7,70} + p_{6,38} + p_{6,22} + 2p_{7,54}\\ &+ p_{7,118} + 2p_{7,46} + p_{7,110} + p_{7,1} + p_{7,97} + p_{7,17} + 2p_{7,81} + p_{6,9}\\ &+ p_{7,105} + 2p_{7,25} + 2p_{7,57} + p_{7,121} + p_{7,69} + 4p_{7,101} + 2p_{7,21} + p_{7,85}\\ &+ p_{6,13} + p_{7,45} + 2p_{7,29} + 4p_{7,93} + 2p_{7,61} + 3p_{7,125} + p_{6,3} + p_{7,35}\\ &+ 2p_{7,115} + 2p_{7,75} + p_{7,43} + 2p_{6,27} + p_{7,123} + p_{7,7} + p_{7,103} + 2p_{7,23}\\ &+ 3p_{7,87} + p_{7,119} + p_{6,47} + 2p_{7,95} + 2p_{7,63})\end{aligned}}$$

$$p_{8,243} = \frac{1}{2}p_{7,115} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,115}^2 - 4(p_{7,32} + 2p_{7,96} + 3p_{7,16} + p_{6,48} + 2p_{7,104} + p_{7,24}\\ &+ 2p_{7,88} + 2p_{6,20} + 4p_{7,52} + p_{7,116} + p_{6,12} + 5p_{7,44} + 2p_{7,108}\\ &+ 2p_{7,28} + 3p_{7,92} + 2p_{7,60} + p_{7,2} + 2p_{7,66} + p_{6,34} + p_{7,82} + 2p_{6,50}\\ &+ 2p_{7,74} + p_{7,106} + 2p_{7,90} + p_{7,122} + 2p_{7,70} + p_{6,38} + p_{6,22} + 2p_{7,54}\\ &+ p_{7,118} + 2p_{7,46} + p_{7,110} + p_{7,1} + p_{7,97} + p_{7,17} + 2p_{7,81} + p_{6,9}\\ &+ p_{7,105} + 2p_{7,25} + 2p_{7,57} + p_{7,121} + p_{7,69} + 4p_{7,101} + 2p_{7,21} + p_{7,85}\\ &+ p_{6,13} + p_{7,45} + 2p_{7,29} + 4p_{7,93} + 2p_{7,61} + 3p_{7,125} + p_{6,3} + p_{7,35}\\ &+ 2p_{7,115} + 2p_{7,75} + p_{7,43} + 2p_{6,27} + p_{7,123} + p_{7,7} + p_{7,103} + 2p_{7,23}\\ &+ 3p_{7,87} + p_{7,119} + p_{6,47} + 2p_{7,95} + 2p_{7,63})\end{aligned}}$$

$$p_{8,11} = \frac{1}{2}p_{7,11} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,11}^2 - 4(2p_{7,0} + p_{7,48} + 2p_{7,112} + p_{6,8} + 3p_{7,40} + p_{7,56}\\ &+ 2p_{7,120} + 2p_{7,4} + 5p_{7,68} + p_{6,36} + 2p_{7,84} + 2p_{7,52} + 3p_{7,116} + p_{7,12}\\ &+ 4p_{7,76} + 2p_{6,44} + p_{7,2} + 2p_{7,98} + p_{7,18} + 2p_{7,114} + 2p_{6,10} + p_{7,106}\\ &+ p_{7,26} + 2p_{7,90} + p_{6,58} + p_{7,6} + 2p_{7,70} + p_{7,14} + 2p_{7,78} + p_{6,46}\\ &+ 2p_{7,94} + p_{6,62} + p_{7,1} + p_{6,33} + p_{7,17} + 2p_{7,81} + 2p_{7,49} + p_{7,41}\\ &+ 2p_{7,105} + p_{7,25} + p_{7,121} + p_{7,69} + p_{6,37} + 3p_{7,21} + 2p_{7,85} + 2p_{7,53}\\ &+ 4p_{7,117} + 2p_{7,45} + p_{7,109} + p_{7,93} + 4p_{7,125} + p_{7,67} + 2p_{7,99} + p_{7,19}\\ &+ 2p_{6,51} + 2p_{7,11} + p_{6,27} + p_{7,59} + p_{6,7} + 2p_{7,87} + 2p_{7,119} + p_{7,15}\\ &+ 2p_{7,47} + 3p_{7,111} + p_{7,31} + p_{7,127})\end{aligned}}$$

$$p_{8,139} = \frac{1}{2}p_{7,11} - \frac{1}{2}\sqrt{\begin{aligned}&p_{7,11}^2 - 4(2p_{7,0} + p_{7,48} + 2p_{7,112} + p_{6,8} + 3p_{7,40} + p_{7,56}\\ &+ 2p_{7,120} + 2p_{7,4} + 5p_{7,68} + p_{6,36} + 2p_{7,84} + 2p_{7,52} + 3p_{7,116} + p_{7,12}\\ &+ 4p_{7,76} + 2p_{6,44} + p_{7,2} + 2p_{7,98} + p_{7,18} + 2p_{7,114} + 2p_{6,10} + p_{7,106}\\ &+ p_{7,26} + 2p_{7,90} + p_{6,58} + p_{7,6} + 2p_{7,70} + p_{7,14} + 2p_{7,78} + p_{6,46}\\ &+ 2p_{7,94} + p_{6,62} + p_{7,1} + p_{6,33} + p_{7,17} + 2p_{7,81} + 2p_{7,49} + p_{7,41}\\ &+ 2p_{7,105} + p_{7,25} + p_{7,121} + p_{7,69} + p_{6,37} + 3p_{7,21} + 2p_{7,85} + 2p_{7,53}\\ &+ 4p_{7,117} + 2p_{7,45} + p_{7,109} + p_{7,93} + 4p_{7,125} + p_{7,67} + 2p_{7,99} + p_{7,19}\\ &+ 2p_{6,51} + 2p_{7,11} + p_{6,27} + p_{7,59} + p_{6,7} + 2p_{7,87} + 2p_{7,119} + p_{7,15}\\ &+ 2p_{7,47} + 3p_{7,111} + p_{7,31} + p_{7,127})\end{aligned}}$$

$$p_{8,75} = \frac{1}{2}p_{7,75} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,75}^2 - 4(2p_{7,64} + 2p_{7,48} + p_{7,112} + p_{6,8} + 3p_{7,104} + 2p_{7,56}\\ &+ p_{7,120} + 5p_{7,4} + 2p_{7,68} + p_{6,36} + 2p_{7,20} + 3p_{7,52} + 2p_{7,116}\\ &+ 4p_{7,12} + p_{7,76} + 2p_{6,44} + p_{7,66} + 2p_{7,34} + p_{7,82} + 2p_{7,50} + 2p_{6,10}\\ &+ p_{7,42} + 2p_{7,26} + p_{7,90} + p_{6,58} + 2p_{7,6} + p_{7,70} + 2p_{7,14} + p_{7,78}\\ &+ p_{6,46} + 2p_{7,30} + p_{6,62} + p_{7,65} + p_{6,33} + 2p_{7,17} + p_{7,81} + 2p_{7,113}\\ &+ 2p_{7,41} + p_{7,105} + p_{7,89} + p_{7,57} + p_{7,5} + p_{6,37} + 2p_{7,21} + 3p_{7,85}\\ &+ 4p_{7,53} + 2p_{7,117} + p_{7,45} + 2p_{7,109} + p_{7,29} + 4p_{7,61} + p_{7,3} + 2p_{7,35}\\ &+ p_{7,83} + 2p_{6,51} + 2p_{7,75} + p_{6,27} + p_{7,123} + p_{6,7} + 2p_{7,23} + 2p_{7,55}\\ &+ p_{7,79} + 3p_{7,47} + 2p_{7,111} + p_{7,95} + p_{7,63})\end{aligned}}$$

$$p_{8,203} = \frac{1}{2}p_{7,75} - \frac{1}{2}\sqrt{\begin{aligned}&p_{7,75}^2 - 4(2p_{7,64} + 2p_{7,48} + p_{7,112} + p_{6,8} + 3p_{7,104} + 2p_{7,56}\\ &+ p_{7,120} + 5p_{7,4} + 2p_{7,68} + p_{6,36} + 2p_{7,20} + 3p_{7,52} + 2p_{7,116}\\ &+ 4p_{7,12} + p_{7,76} + 2p_{6,44} + p_{7,66} + 2p_{7,34} + p_{7,82} + 2p_{7,50} + 2p_{6,10}\\ &+ p_{7,42} + 2p_{7,26} + p_{7,90} + p_{6,58} + 2p_{7,6} + p_{7,70} + 2p_{7,14} + p_{7,78}\\ &+ p_{6,46} + 2p_{7,30} + p_{6,62} + p_{7,65} + p_{6,33} + 2p_{7,17} + p_{7,81} + 2p_{7,113}\\ &+ 2p_{7,41} + p_{7,105} + p_{7,89} + p_{7,57} + p_{7,5} + p_{6,37} + 2p_{7,21} + 3p_{7,85}\\ &+ 4p_{7,53} + 2p_{7,117} + p_{7,45} + 2p_{7,109} + p_{7,29} + 4p_{7,61} + p_{7,3} + 2p_{7,35}\\ &+ p_{7,83} + 2p_{6,51} + 2p_{7,75} + p_{6,27} + p_{7,123} + p_{6,7} + 2p_{7,23} + 2p_{7,55}\\ &+ p_{7,79} + 3p_{7,47} + 2p_{7,111} + p_{7,95} + p_{7,63})\end{aligned}}$$

$$p_{8,43} = \frac{1}{2}p_{7,43} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,43}^2 - 4(2p_{7,32} + 2p_{7,16} + p_{7,80} + 3p_{7,72} + p_{6,40} + 2p_{7,24}\\ &+ p_{7,88} + p_{6,4} + 2p_{7,36} + 5p_{7,100} + 3p_{7,20} + 2p_{7,84} + 2p_{7,116} + 2p_{6,12}\\ &+ p_{7,44} + 4p_{7,108} + 2p_{7,2} + p_{7,34} + 2p_{7,18} + p_{7,50} + p_{7,10} + 2p_{6,42}\\ &+ p_{6,26} + p_{7,58} + 2p_{7,122} + p_{7,38} + 2p_{7,102} + p_{6,14} + p_{7,46} + 2p_{7,110}\\ &+ p_{6,30} + 2p_{7,126} + p_{6,1} + p_{7,33} + 2p_{7,81} + p_{7,49} + 2p_{7,113} + 2p_{7,9}\\ &+ p_{7,73} + p_{7,25} + p_{7,57} + p_{6,5} + p_{7,101} + 4p_{7,21} + 2p_{7,85} + 3p_{7,53}\\ &+ 2p_{7,117} + p_{7,13} + 2p_{7,77} + 4p_{7,29} + p_{7,125} + 2p_{7,3} + p_{7,99} + 2p_{6,19}\\ &+ p_{7,51} + 2p_{7,43} + p_{7,91} + p_{6,59} + p_{6,39} + 2p_{7,23} + 2p_{7,119} + 3p_{7,15}\\ &+ 2p_{7,79} + p_{7,47} + p_{7,31} + p_{7,63})\end{aligned}}$$

$$p_{8,171} = \frac{1}{2}p_{7,43} - \frac{1}{2}\sqrt{\begin{aligned}&p_{7,43}^2 - 4(2p_{7,32} + 2p_{7,16} + p_{7,80} + 3p_{7,72} + p_{6,40} + 2p_{7,24}\\ &+ p_{7,88} + p_{6,4} + 2p_{7,36} + 5p_{7,100} + 3p_{7,20} + 2p_{7,84} + 2p_{7,116} + 2p_{6,12}\\ &+ p_{7,44} + 4p_{7,108} + 2p_{7,2} + p_{7,34} + 2p_{7,18} + p_{7,50} + p_{7,10} + 2p_{6,42}\\ &+ p_{6,26} + p_{7,58} + 2p_{7,122} + p_{7,38} + 2p_{7,102} + p_{6,14} + p_{7,46} + 2p_{7,110}\\ &+ p_{6,30} + 2p_{7,126} + p_{6,1} + p_{7,33} + 2p_{7,81} + p_{7,49} + 2p_{7,113} + 2p_{7,9}\\ &+ p_{7,73} + p_{7,25} + p_{7,57} + p_{6,5} + p_{7,101} + 4p_{7,21} + 2p_{7,85} + 3p_{7,53}\\ &+ 2p_{7,117} + p_{7,13} + 2p_{7,77} + 4p_{7,29} + p_{7,125} + 2p_{7,3} + p_{7,99} + 2p_{6,19}\\ &+ p_{7,51} + 2p_{7,43} + p_{7,91} + p_{6,59} + p_{6,39} + 2p_{7,23} + 2p_{7,119} + 3p_{7,15}\\ &+ 2p_{7,79} + p_{7,47} + p_{7,31} + p_{7,63})\end{aligned}}$$

$$p_{8,107} = \frac{1}{2}p_{7,107} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,107}^2 - 4(2p_{7,96} + p_{7,16} + 2p_{7,80} + 3p_{7,8} + p_{6,40} + p_{7,24}\\ &+ 2p_{7,88} + p_{6,4} + 5p_{7,36} + 2p_{7,100} + 2p_{7,20} + 3p_{7,84} + 2p_{7,52} + 2p_{6,12}\\ &+ 4p_{7,44} + p_{7,108} + 2p_{7,66} + p_{7,98} + 2p_{7,82} + p_{7,114} + p_{7,74} + 2p_{6,42}\\ &+ p_{6,26} + 2p_{7,58} + p_{7,122} + 2p_{7,38} + p_{7,102} + p_{6,14} + 2p_{7,46} + p_{7,110}\\ &+ p_{6,30} + 2p_{7,62} + p_{6,1} + p_{7,97} + 2p_{7,17} + 2p_{7,49} + p_{7,113} + p_{7,9}\\ &+ 2p_{7,73} + p_{7,89} + p_{7,121} + p_{6,5} + p_{7,37} + 2p_{7,21} + 4p_{7,85} + 2p_{7,53}\\ &+ 3p_{7,117} + 2p_{7,13} + p_{7,77} + 4p_{7,93} + p_{7,61} + 2p_{7,67} + p_{7,35} + 2p_{6,19}\\ &+ p_{7,115} + 2p_{7,107} + p_{7,27} + p_{6,59} + p_{6,39} + 2p_{7,87} + 2p_{7,55} + 2p_{7,15}\\ &+ 3p_{7,79} + p_{7,111} + p_{7,95} + p_{7,127})\end{aligned}}$$

$$p_{8,235} = \frac{1}{2}p_{7,107} - \frac{1}{2}\sqrt{\begin{aligned}&p_{7,107}^2 - 4(2p_{7,96} + p_{7,16} + 2p_{7,80} + 3p_{7,8} + p_{6,40} + p_{7,24}\\&+ 2p_{7,88} + p_{6,4} + 5p_{7,36} + 2p_{7,100} + 2p_{7,20} + 3p_{7,84} + 2p_{7,52} + 2p_{6,12}\\&+ 4p_{7,44} + p_{7,108} + 2p_{7,66} + p_{7,98} + 2p_{7,82} + p_{7,114} + p_{7,74} + 2p_{6,42}\\&+ p_{6,26} + 2p_{7,58} + p_{7,122} + 2p_{7,38} + p_{7,102} + p_{6,14} + 2p_{7,46} + p_{7,110}\\&+ p_{6,30} + 2p_{7,62} + p_{6,1} + p_{7,97} + 2p_{7,17} + 2p_{7,49} + p_{7,113} + p_{7,9}\\&+ 2p_{7,73} + p_{7,89} + p_{7,121} + p_{6,5} + p_{7,37} + 2p_{7,21} + 4p_{7,85} + 2p_{7,53}\\&+ 3p_{7,117} + 2p_{7,13} + p_{7,77} + 4p_{7,93} + p_{7,61} + 2p_{7,67} + p_{7,35} + 2p_{6,19}\\&+ p_{7,115} + 2p_{7,107} + p_{7,27} + p_{6,59} + p_{6,39} + 2p_{7,87} + 2p_{7,55} + 2p_{7,15}\\&+ 3p_{7,79} + p_{7,111} + p_{7,95} + p_{7,127})\end{aligned}}$$

$$p_{8,27} = \frac{1}{2}p_{7,27} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,27}^2 - 4(2p_{7,0} + p_{7,64} + 2p_{7,16} + 2p_{7,8} + p_{7,72} + p_{6,24}\\&+ 3p_{7,56} + 3p_{7,4} + 2p_{7,68} + 2p_{7,100} + 2p_{7,20} + 5p_{7,84} + p_{6,52} + p_{7,28}\\&+ 4p_{7,92} + 2p_{6,60} + 2p_{7,2} + p_{7,34} + p_{7,18} + 2p_{7,114} + p_{6,10} + p_{7,42}\\&+ 2p_{7,106} + 2p_{6,26} + p_{7,122} + p_{7,22} + 2p_{7,86} + p_{6,14} + 2p_{7,110}\\&+ p_{7,30} + 2p_{7,94} + p_{6,62} + 2p_{7,65} + p_{7,33} + 2p_{7,97} + p_{7,17} + p_{6,49}\\&+ p_{7,9} + p_{7,41} + p_{7,57} + 2p_{7,121} + 4p_{7,5} + 2p_{7,69} + 3p_{7,37} + 2p_{7,101}\\&+ p_{7,85} + p_{6,53} + 4p_{7,13} + p_{7,109} + 2p_{7,61} + p_{7,125} + 2p_{6,3} + p_{7,35}\\&+ p_{7,83} + 2p_{7,115} + p_{7,75} + p_{6,43} + 2p_{7,27} + 2p_{7,7} + 2p_{7,103} + p_{6,23}\\&+ p_{7,15} + p_{7,47} + p_{7,31} + 2p_{7,63} + 3p_{7,127})\end{aligned}}$$

$$p_{8,155} = \frac{1}{2}p_{7,27} - \frac{1}{2}\sqrt{\begin{aligned}&p_{7,27}^2 - 4(2p_{7,0} + p_{7,64} + 2p_{7,16} + 2p_{7,8} + p_{7,72} + p_{6,24}\\&+ 3p_{7,56} + 3p_{7,4} + 2p_{7,68} + 2p_{7,100} + 2p_{7,20} + 5p_{7,84} + p_{6,52} + p_{7,28}\\&+ 4p_{7,92} + 2p_{6,60} + 2p_{7,2} + p_{7,34} + p_{7,18} + 2p_{7,114} + p_{6,10} + p_{7,42}\\&+ 2p_{7,106} + 2p_{6,26} + p_{7,122} + p_{7,22} + 2p_{7,86} + p_{6,14} + 2p_{7,110}\\&+ p_{7,30} + 2p_{7,94} + p_{6,62} + 2p_{7,65} + p_{7,33} + 2p_{7,97} + p_{7,17} + p_{6,49}\\&+ p_{7,9} + p_{7,41} + p_{7,57} + 2p_{7,121} + 4p_{7,5} + 2p_{7,69} + 3p_{7,37} + 2p_{7,101}\\&+ p_{7,85} + p_{6,53} + 4p_{7,13} + p_{7,109} + 2p_{7,61} + p_{7,125} + 2p_{6,3} + p_{7,35}\\&+ p_{7,83} + 2p_{7,115} + p_{7,75} + p_{6,43} + 2p_{7,27} + 2p_{7,7} + 2p_{7,103} + p_{6,23}\\&+ p_{7,15} + p_{7,47} + p_{7,31} + 2p_{7,63} + 3p_{7,127})\end{aligned}}$$

$$p_{8,91} = \frac{1}{2}p_{7,91} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,91}^2 - 4(p_{7,0} + 2p_{7,64} + 2p_{7,80} + p_{7,8} + 2p_{7,72} + p_{6,24}\\&+ 3p_{7,120} + 2p_{7,4} + 3p_{7,68} + 2p_{7,36} + 5p_{7,20} + 2p_{7,84} + p_{6,52}\\&+ 4p_{7,28} + p_{7,92} + 2p_{6,60} + 2p_{7,66} + p_{7,98} + p_{7,82} + 2p_{7,50} + p_{6,10}\\&+ 2p_{7,42} + p_{7,106} + 2p_{6,26} + p_{7,58} + 2p_{7,22} + p_{7,86} + p_{6,14} + 2p_{7,46}\\&+ 2p_{7,30} + p_{7,94} + p_{6,62} + 2p_{7,1} + 2p_{7,33} + p_{7,97} + p_{7,81} + p_{6,49}\\&+ p_{7,73} + p_{7,105} + 2p_{7,57} + p_{7,121} + 2p_{7,5} + 4p_{7,69} + 2p_{7,37}\\&+ 3p_{7,101} + p_{7,21} + p_{6,53} + 4p_{7,77} + p_{7,45} + p_{7,61} + 2p_{7,125} + 2p_{6,3}\\&+ p_{7,99} + p_{7,19} + 2p_{7,51} + p_{7,11} + p_{6,43} + 2p_{7,91} + 2p_{7,71} + 2p_{7,39}\\&+ p_{6,23} + p_{7,79} + p_{7,111} + p_{7,95} + 3p_{7,63} + 2p_{7,127})\end{aligned}}$$

$$p_{8,219} = \frac{1}{2}p_{7,91} - \frac{1}{2}\sqrt{\begin{aligned}&p_{7,91}^2 - 4(p_{7,0} + 2p_{7,64} + 2p_{7,80} + p_{7,8} + 2p_{7,72} + p_{6,24}\\&+ 3p_{7,120} + 2p_{7,4} + 3p_{7,68} + 2p_{7,36} + 5p_{7,20} + 2p_{7,84} + p_{6,52}\\&+ 4p_{7,28} + p_{7,92} + 2p_{6,60} + 2p_{7,66} + p_{7,98} + p_{7,82} + 2p_{7,50} + p_{6,10}\\&+ 2p_{7,42} + p_{7,106} + 2p_{6,26} + p_{7,58} + 2p_{7,22} + p_{7,86} + p_{6,14} + 2p_{7,46}\\&+ 2p_{7,30} + p_{7,94} + p_{6,62} + 2p_{7,1} + 2p_{7,33} + p_{7,97} + p_{7,81} + p_{6,49}\\&+ p_{7,73} + p_{7,105} + 2p_{7,57} + p_{7,121} + 2p_{7,5} + 4p_{7,69} + 2p_{7,37}\\&+ 3p_{7,101} + p_{7,21} + p_{6,53} + 4p_{7,77} + p_{7,45} + p_{7,61} + 2p_{7,125} + 2p_{6,3}\\&+ p_{7,99} + p_{7,19} + 2p_{7,51} + p_{7,11} + p_{6,43} + 2p_{7,91} + 2p_{7,71} + 2p_{7,39}\\&+ p_{6,23} + p_{7,79} + p_{7,111} + p_{7,95} + 3p_{7,63} + 2p_{7,127})\end{aligned}}$$

$$p_{8,59} = \frac{1}{2}p_{7,59} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,59}^2 - 4(2p_{7,32} + p_{7,96} + 2p_{7,48} + 2p_{7,40} + p_{7,104} + 3p_{7,88}\\&+ p_{6,56} + 2p_{7,4} + 3p_{7,36} + 2p_{7,100} + p_{6,20} + 2p_{7,52} + 5p_{7,116} + 2p_{6,28}\\&+ p_{7,60} + 4p_{7,124} + p_{7,66} + 2p_{7,34} + 2p_{7,18} + p_{7,50} + 2p_{7,10} + p_{7,74}\\&+ p_{6,42} + p_{7,26} + 2p_{6,58} + p_{7,54} + 2p_{7,118} + 2p_{7,14} + p_{6,46} + p_{6,30}\\&+ p_{7,62} + 2p_{7,126} + 2p_{7,1} + p_{7,65} + 2p_{7,97} + p_{6,17} + p_{7,49} + p_{7,73}\\&+ p_{7,41} + 2p_{7,25} + p_{7,89} + 2p_{7,5} + 3p_{7,69} + 4p_{7,37} + 2p_{7,101} + p_{6,21}\\&+ p_{7,117} + p_{7,13} + 4p_{7,45} + p_{7,29} + 2p_{7,93} + p_{7,67} + 2p_{6,35} + 2p_{7,19}\\&+ p_{7,115} + p_{6,11} + p_{7,107} + 2p_{7,59} + 2p_{7,7} + 2p_{7,39} + p_{6,55} + p_{7,79}\\&+ p_{7,47} + 3p_{7,31} + 2p_{7,95} + p_{7,63})\end{aligned}}$$

$$p_{8,187} = \frac{1}{2}p_{7,59} - \frac{1}{2}\sqrt{\begin{aligned}&p_{7,59}^2 - 4(2p_{7,32} + p_{7,96} + 2p_{7,48} + 2p_{7,40} + p_{7,104} + 3p_{7,88}\\&+ p_{6,56} + 2p_{7,4} + 3p_{7,36} + 2p_{7,100} + p_{6,20} + 2p_{7,52} + 5p_{7,116} + 2p_{6,28}\\&+ p_{7,60} + 4p_{7,124} + p_{7,66} + 2p_{7,34} + 2p_{7,18} + p_{7,50} + 2p_{7,10} + p_{7,74}\\&+ p_{6,42} + p_{7,26} + 2p_{6,58} + p_{7,54} + 2p_{7,118} + 2p_{7,14} + p_{6,46} + p_{6,30}\\&+ p_{7,62} + 2p_{7,126} + 2p_{7,1} + p_{7,65} + 2p_{7,97} + p_{6,17} + p_{7,49} + p_{7,73}\\&+ p_{7,41} + 2p_{7,25} + p_{7,89} + 2p_{7,5} + 3p_{7,69} + 4p_{7,37} + 2p_{7,101} + p_{6,21}\\&+ p_{7,117} + p_{7,13} + 4p_{7,45} + p_{7,29} + 2p_{7,93} + p_{7,67} + 2p_{6,35} + 2p_{7,19}\\&+ p_{7,115} + p_{6,11} + p_{7,107} + 2p_{7,59} + 2p_{7,7} + 2p_{7,39} + p_{6,55} + p_{7,79}\\&+ p_{7,47} + 3p_{7,31} + 2p_{7,95} + p_{7,63})\end{aligned}}$$

$$p_{8,123} = \frac{1}{2}p_{7,123} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,123}^2 - 4(p_{7,32} + 2p_{7,96} + 2p_{7,112} + p_{7,40} + 2p_{7,104} + 3p_{7,24}\\&+ p_{6,56} + 2p_{7,68} + 2p_{7,36} + 3p_{7,100} + p_{6,20} + 5p_{7,52} + 2p_{7,116}\\&+ 2p_{6,28} + 4p_{7,60} + p_{7,124} + p_{7,2} + 2p_{7,98} + 2p_{7,82} + p_{7,114} + p_{7,10}\\&+ 2p_{7,74} + p_{6,42} + p_{7,90} + 2p_{6,58} + 2p_{7,54} + p_{7,118} + 2p_{7,78} + p_{6,46}\\&+ p_{6,30} + 2p_{7,62} + p_{7,126} + p_{7,1} + 2p_{7,65} + 2p_{7,33} + p_{6,17} + p_{7,113}\\&+ p_{7,9} + p_{7,105} + p_{7,25} + 2p_{7,89} + 3p_{7,5} + 2p_{7,69} + 2p_{7,37} + 4p_{7,101}\\&+ p_{6,21} + p_{7,53} + p_{7,77} + 4p_{7,109} + 2p_{7,29} + p_{7,93} + p_{7,3} + 2p_{6,35}\\&+ 2p_{7,83} + p_{7,51} + p_{6,11} + p_{7,43} + 2p_{7,123} + 2p_{7,71} + 2p_{7,103} + p_{6,55}\\&+ p_{7,15} + p_{7,111} + 2p_{7,31} + 3p_{7,95} + p_{7,127})\end{aligned}}$$

$$p_{8,251} = \frac{1}{2}p_{7,123} - \frac{1}{2}\sqrt{\begin{aligned}&p_{7,123}^2 - 4(p_{7,32} + 2p_{7,96} + 2p_{7,112} + p_{7,40} + 2p_{7,104} + 3p_{7,24}\\ &+ p_{6,56} + 2p_{7,68} + 2p_{7,36} + 3p_{7,100} + p_{6,20} + 5p_{7,52} + 2p_{7,116}\\ &+ 2p_{6,28} + 4p_{7,60} + p_{7,124} + p_{7,2} + 2p_{7,98} + 2p_{7,82} + p_{7,114} + p_{7,10}\\ &+ 2p_{7,74} + p_{6,42} + p_{7,90} + 2p_{6,58} + 2p_{7,54} + p_{7,118} + 2p_{7,78} + p_{6,46}\\ &+ p_{6,30} + 2p_{7,62} + p_{7,126} + p_{7,1} + 2p_{7,65} + 2p_{7,33} + p_{6,17} + p_{7,113}\\ &+ p_{7,9} + p_{7,105} + p_{7,25} + 2p_{7,89} + 3p_{7,5} + 2p_{7,69} + 2p_{7,37} + 4p_{7,101}\\ &+ p_{6,21} + p_{7,53} + p_{7,77} + 4p_{7,109} + 2p_{7,29} + p_{7,93} + p_{7,3} + 2p_{6,35}\\ &+ 2p_{7,83} + p_{7,51} + p_{6,11} + p_{7,43} + 2p_{7,123} + 2p_{7,71} + 2p_{7,103} + p_{6,55}\\ &+ p_{7,15} + p_{7,111} + 2p_{7,31} + 3p_{7,95} + p_{7,127})\end{aligned}}$$

$$p_{8,7} = \frac{1}{2}p_{7,7} - \frac{1}{2}\sqrt{\begin{aligned}&p_{7,7}^2 - 4(2p_{7,0} + 5p_{7,64} + p_{6,32} + 2p_{7,80} + 2p_{7,48} + 3p_{7,112}\\ &+ p_{7,8} + 4p_{7,72} + 2p_{6,40} + p_{6,4} + 3p_{7,36} + p_{7,52} + 2p_{7,116} + p_{7,44}\\ &+ 2p_{7,108} + 2p_{7,124} + p_{7,2} + 2p_{7,66} + p_{7,10} + 2p_{7,74} + p_{6,42} + 2p_{7,90}\\ &+ p_{6,58} + 2p_{6,6} + p_{7,102} + p_{7,22} + 2p_{7,86} + p_{6,54} + p_{7,14} + 2p_{7,110}\\ &+ 2p_{7,94} + p_{7,126} + p_{7,65} + p_{6,33} + 3p_{7,17} + 2p_{7,81} + 2p_{7,49} + 4p_{7,113}\\ &+ 2p_{7,41} + p_{7,105} + p_{7,89} + 4p_{7,121} + p_{7,37} + 2p_{7,101} + p_{7,21} + p_{7,117}\\ &+ p_{7,13} + 2p_{7,77} + 2p_{7,45} + p_{6,29} + p_{7,125} + p_{6,3} + 2p_{7,83} + 2p_{7,115}\\ &+ p_{7,11} + 2p_{7,43} + 3p_{7,107} + p_{7,27} + p_{7,123} + 2p_{7,7} + p_{6,23} + p_{7,55}\\ &+ p_{7,15} + 2p_{6,47} + 2p_{7,95} + p_{7,63})\end{aligned}}$$

$$p_{8,135} = \frac{1}{2}p_{7,7} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,7}^2 - 4(2p_{7,0} + 5p_{7,64} + p_{6,32} + 2p_{7,80} + 2p_{7,48} + 3p_{7,112}\\ &+ p_{7,8} + 4p_{7,72} + 2p_{6,40} + p_{6,4} + 3p_{7,36} + p_{7,52} + 2p_{7,116} + p_{7,44}\\ &+ 2p_{7,108} + 2p_{7,124} + p_{7,2} + 2p_{7,66} + p_{7,10} + 2p_{7,74} + p_{6,42} + 2p_{7,90}\\ &+ p_{6,58} + 2p_{6,6} + p_{7,102} + p_{7,22} + 2p_{7,86} + p_{6,54} + p_{7,14} + 2p_{7,110}\\ &+ 2p_{7,94} + p_{7,126} + p_{7,65} + p_{6,33} + 3p_{7,17} + 2p_{7,81} + 2p_{7,49} + 4p_{7,113}\\ &+ 2p_{7,41} + p_{7,105} + p_{7,89} + 4p_{7,121} + p_{7,37} + 2p_{7,101} + p_{7,21} + p_{7,117}\\ &+ p_{7,13} + 2p_{7,77} + 2p_{7,45} + p_{6,29} + p_{7,125} + p_{6,3} + 2p_{7,83} + 2p_{7,115}\\ &+ p_{7,11} + 2p_{7,43} + 3p_{7,107} + p_{7,27} + p_{7,123} + 2p_{7,7} + p_{6,23} + p_{7,55}\\ &+ p_{7,15} + 2p_{6,47} + 2p_{7,95} + p_{7,63})\end{aligned}}$$

$$p_{8,71} = \frac{1}{2}p_{7,71} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,71}^2 - 4(5p_{7,0} + 2p_{7,64} + p_{6,32} + 2p_{7,16} + 3p_{7,48} + 2p_{7,112}\\ &+ 4p_{7,8} + p_{7,72} + 2p_{6,40} + p_{6,4} + 3p_{7,100} + 2p_{7,52} + p_{7,116} + 2p_{7,44}\\ &+ p_{7,108} + 2p_{7,60} + 2p_{7,2} + p_{7,66} + 2p_{7,10} + p_{7,74} + p_{6,42} + 2p_{7,26}\\ &+ p_{6,58} + 2p_{6,6} + p_{7,38} + 2p_{7,22} + p_{7,86} + p_{6,54} + p_{7,78} + 2p_{7,46}\\ &+ 2p_{7,30} + p_{7,62} + p_{7,1} + p_{6,33} + 2p_{7,17} + 3p_{7,81} + 4p_{7,49} + 2p_{7,113}\\ &+ p_{7,41} + 2p_{7,105} + p_{7,25} + 4p_{7,57} + 2p_{7,37} + p_{7,101} + p_{7,85} + p_{7,53}\\ &+ 2p_{7,13} + p_{7,77} + 2p_{7,109} + p_{6,29} + p_{7,61} + p_{6,3} + 2p_{7,19} + 2p_{7,51}\\ &+ p_{7,75} + 3p_{7,43} + 2p_{7,107} + p_{7,91} + p_{7,59} + 2p_{7,71} + p_{6,23} + p_{7,119}\\ &+ p_{7,79} + 2p_{6,47} + 2p_{7,31} + p_{7,127})\end{aligned}}$$

$$p_{8,199} = \frac{1}{2}p_{7,71} - \frac{1}{2}\sqrt{\begin{aligned}&p_{7,71}^2 - 4(5p_{7,0} + 2p_{7,64} + p_{6,32} + 2p_{7,16} + 3p_{7,48} + 2p_{7,112}\\ &+ 4p_{7,8} + p_{7,72} + 2p_{6,40} + p_{6,4} + 3p_{7,100} + 2p_{7,52} + p_{7,116} + 2p_{7,44}\\ &+ p_{7,108} + 2p_{7,60} + 2p_{7,2} + p_{7,66} + 2p_{7,10} + p_{7,74} + p_{6,42} + 2p_{7,26}\\ &+ p_{6,58} + 2p_{6,6} + p_{7,38} + 2p_{7,22} + p_{7,86} + p_{6,54} + p_{7,78} + 2p_{7,46}\\ &+ 2p_{7,30} + p_{7,62} + p_{7,1} + p_{6,33} + 2p_{7,17} + 3p_{7,81} + 4p_{7,49} + 2p_{7,113}\\ &+ p_{7,41} + 2p_{7,105} + p_{7,25} + 4p_{7,57} + 2p_{7,37} + p_{7,101} + p_{7,85} + p_{7,53}\\ &+ 2p_{7,13} + p_{7,77} + 2p_{7,109} + p_{6,29} + p_{7,61} + p_{6,3} + 2p_{7,19} + 2p_{7,51}\\ &+ p_{7,75} + 3p_{7,43} + 2p_{7,107} + p_{7,91} + p_{7,59} + 2p_{7,71} + p_{6,23} + p_{7,119}\\ &+ p_{7,79} + 2p_{6,47} + 2p_{7,31} + p_{7,127})\end{aligned}}$$

$$p_{8,39} = \frac{1}{2}p_{7,39} - \frac{1}{2}\sqrt{\begin{aligned}&p_{7,39}^2 - 4(p_{6,0} + 2p_{7,32} + 5p_{7,96} + 3p_{7,16} + 2p_{7,80} + 2p_{7,112}\\ &+ 2p_{6,8} + p_{7,40} + 4p_{7,104} + 3p_{7,68} + p_{6,36} + 2p_{7,20} + p_{7,84} + 2p_{7,12}\\ &+ p_{7,76} + 2p_{7,28} + p_{7,34} + 2p_{7,98} + p_{6,10} + p_{7,42} + 2p_{7,106} + p_{6,26}\\ &+ 2p_{7,122} + p_{7,6} + 2p_{6,38} + p_{6,22} + p_{7,54} + 2p_{7,118} + 2p_{7,14} + p_{7,46}\\ &+ p_{7,30} + 2p_{7,126} + p_{6,1} + p_{7,97} + 4p_{7,17} + 2p_{7,81} + 3p_{7,49} + 2p_{7,113}\\ &+ p_{7,9} + 2p_{7,73} + 4p_{7,25} + p_{7,121} + 2p_{7,5} + p_{7,69} + p_{7,21} + p_{7,53}\\ &+ 2p_{7,77} + p_{7,45} + 2p_{7,109} + p_{7,29} + p_{6,61} + p_{6,35} + 2p_{7,19} + 2p_{7,115}\\ &+ 3p_{7,11} + 2p_{7,75} + p_{7,43} + p_{7,27} + p_{7,59} + 2p_{7,39} + p_{7,87} + p_{6,55}\\ &+ 2p_{6,15} + p_{7,47} + p_{7,95} + 2p_{7,127})\end{aligned}}$$

$$p_{8,167} = \frac{1}{2}p_{7,39} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,39}^2 - 4(p_{6,0} + 2p_{7,32} + 5p_{7,96} + 3p_{7,16} + 2p_{7,80} + 2p_{7,112}\\ &+ 2p_{6,8} + p_{7,40} + 4p_{7,104} + 3p_{7,68} + p_{6,36} + 2p_{7,20} + p_{7,84} + 2p_{7,12}\\ &+ p_{7,76} + 2p_{7,28} + p_{7,34} + 2p_{7,98} + p_{6,10} + p_{7,42} + 2p_{7,106} + p_{6,26}\\ &+ 2p_{7,122} + p_{7,6} + 2p_{6,38} + p_{6,22} + p_{7,54} + 2p_{7,118} + 2p_{7,14} + p_{7,46}\\ &+ p_{7,30} + 2p_{7,126} + p_{6,1} + p_{7,97} + 4p_{7,17} + 2p_{7,81} + 3p_{7,49} + 2p_{7,113}\\ &+ p_{7,9} + 2p_{7,73} + 4p_{7,25} + p_{7,121} + 2p_{7,5} + p_{7,69} + p_{7,21} + p_{7,53}\\ &+ 2p_{7,77} + p_{7,45} + 2p_{7,109} + p_{7,29} + p_{6,61} + p_{6,35} + 2p_{7,19} + 2p_{7,115}\\ &+ 3p_{7,11} + 2p_{7,75} + p_{7,43} + p_{7,27} + p_{7,59} + 2p_{7,39} + p_{7,87} + p_{6,55}\\ &+ 2p_{6,15} + p_{7,47} + p_{7,95} + 2p_{7,127})\end{aligned}}$$

$$p_{8,103} = \frac{1}{2}p_{7,103} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,103}^2 - 4(p_{6,0} + 5p_{7,32} + 2p_{7,96} + 2p_{7,16} + 3p_{7,80} + 2p_{7,48}\\ &+ 2p_{6,8} + 4p_{7,40} + p_{7,104} + 3p_{7,4} + p_{6,36} + p_{7,20} + 2p_{7,84} + p_{7,12}\\ &+ 2p_{7,76} + 2p_{7,92} + 2p_{7,34} + p_{7,98} + p_{6,10} + 2p_{7,42} + p_{7,106} + p_{6,26}\\ &+ 2p_{7,58} + p_{7,70} + 2p_{6,38} + p_{6,22} + 2p_{7,54} + p_{7,118} + 2p_{7,78} + p_{7,110}\\ &+ p_{7,94} + 2p_{7,62} + p_{6,1} + p_{7,33} + 2p_{7,17} + 4p_{7,81} + 2p_{7,49} + 3p_{7,113}\\ &+ 2p_{7,9} + p_{7,73} + 4p_{7,89} + p_{7,57} + p_{7,5} + 2p_{7,69} + p_{7,85} + p_{7,117}\\ &+ 2p_{7,13} + 2p_{7,45} + p_{7,109} + p_{7,93} + p_{6,61} + p_{6,35} + 2p_{7,83} + 2p_{7,51}\\ &+ 2p_{7,11} + 3p_{7,75} + p_{7,107} + p_{7,91} + p_{7,123} + 2p_{7,103} + p_{7,23} + p_{6,55}\\ &+ 2p_{6,15} + p_{7,111} + p_{7,31} + 2p_{7,63})\end{aligned}}$$

$$p_{8,231} = \frac{1}{2}p_{7,103} - \frac{1}{2}\sqrt{\begin{array}{l} p_{7,103}^2 - 4(p_{6,0} + 5p_{7,32} + 2p_{7,96} + 2p_{7,16} + 3p_{7,80} + 2p_{7,48} \\ + 2p_{6,8} + 4p_{7,40} + p_{7,104} + 3p_{7,4} + p_{6,36} + p_{7,20} + 2p_{7,84} + p_{7,12} \\ + 2p_{7,76} + 2p_{7,92} + 2p_{7,34} + p_{7,98} + p_{6,10} + 2p_{7,42} + p_{7,106} + p_{6,26} \\ + 2p_{7,58} + p_{7,70} + 2p_{6,38} + p_{6,22} + 2p_{7,54} + p_{7,118} + 2p_{7,78} + p_{7,110} \\ + p_{7,94} + 2p_{7,62} + p_{6,1} + p_{7,33} + 2p_{7,17} + 4p_{7,81} + 2p_{7,49} + 3p_{7,113} \\ + 2p_{7,9} + p_{7,73} + 4p_{7,89} + p_{7,57} + p_{7,5} + 2p_{7,69} + p_{7,85} + p_{7,117} \\ + 2p_{7,13} + 2p_{7,45} + p_{7,109} + p_{7,93} + p_{6,61} + p_{6,35} + 2p_{7,83} + 2p_{7,51} \\ + 2p_{7,11} + 3p_{7,75} + p_{7,107} + p_{7,91} + p_{7,123} + 2p_{7,103} + p_{7,23} + p_{6,55} \\ + 2p_{6,15} + p_{7,111} + p_{7,31} + 2p_{7,63}) \end{array}}$$

$$p_{8,23} = \frac{1}{2}p_{7,23} + \frac{1}{2}\sqrt{\begin{array}{l} p_{7,23}^2 - 4(3p_{7,0} + 2p_{7,64} + 2p_{7,96} + 2p_{7,16} + 5p_{7,80} + p_{6,48} \\ + p_{7,24} + 4p_{7,88} + 2p_{6,56} + 2p_{7,4} + p_{7,68} + p_{6,20} + 3p_{7,52} + 2p_{7,12} \\ + p_{7,60} + 2p_{7,124} + p_{7,18} + 2p_{7,82} + p_{6,10} + 2p_{7,106} + p_{7,26} + 2p_{7,90} \\ + p_{6,58} + p_{6,6} + p_{7,38} + 2p_{7,102} + 2p_{6,22} + p_{7,118} + p_{7,14} + 2p_{7,110} \\ + p_{7,30} + 2p_{7,126} + 4p_{7,1} + 2p_{7,65} + 3p_{7,33} + 2p_{7,97} + p_{7,81} + p_{6,49} \\ + 4p_{7,9} + p_{7,105} + 2p_{7,57} + p_{7,121} + p_{7,5} + p_{7,37} + p_{7,53} + 2p_{7,117} \\ + p_{7,13} + p_{6,45} + p_{7,29} + 2p_{7,93} + 2p_{7,61} + 2p_{7,3} + 2p_{7,99} + p_{6,19} \\ + p_{7,11} + p_{7,43} + p_{7,27} + 2p_{7,59} + 3p_{7,123} + p_{7,71} + p_{6,39} + 2p_{7,23} \\ + p_{7,79} + 2p_{7,111} + p_{7,31} + 2p_{6,63}) \end{array}}$$

$$p_{8,151} = \frac{1}{2}p_{7,23} - \frac{1}{2}\sqrt{\begin{array}{l} p_{7,23}^2 - 4(3p_{7,0} + 2p_{7,64} + 2p_{7,96} + 2p_{7,16} + 5p_{7,80} + p_{6,48} \\ + p_{7,24} + 4p_{7,88} + 2p_{6,56} + 2p_{7,4} + p_{7,68} + p_{6,20} + 3p_{7,52} + 2p_{7,12} \\ + p_{7,60} + 2p_{7,124} + p_{7,18} + 2p_{7,82} + p_{6,10} + 2p_{7,106} + p_{7,26} + 2p_{7,90} \\ + p_{6,58} + p_{6,6} + p_{7,38} + 2p_{7,102} + 2p_{6,22} + p_{7,118} + p_{7,14} + 2p_{7,110} \\ + p_{7,30} + 2p_{7,126} + 4p_{7,1} + 2p_{7,65} + 3p_{7,33} + 2p_{7,97} + p_{7,81} + p_{6,49} \\ + 4p_{7,9} + p_{7,105} + 2p_{7,57} + p_{7,121} + p_{7,5} + p_{7,37} + p_{7,53} + 2p_{7,117} \\ + p_{7,13} + p_{6,45} + p_{7,29} + 2p_{7,93} + 2p_{7,61} + 2p_{7,3} + 2p_{7,99} + p_{6,19} \\ + p_{7,11} + p_{7,43} + p_{7,27} + 2p_{7,59} + 3p_{7,123} + p_{7,71} + p_{6,39} + 2p_{7,23} \\ + p_{7,79} + 2p_{7,111} + p_{7,31} + 2p_{6,63}) \end{array}}$$

$$p_{8,87} = \frac{1}{2}p_{7,87} - \frac{1}{2}\sqrt{\begin{array}{l} p_{7,87}^2 - 4(2p_{7,0} + 3p_{7,64} + 2p_{7,32} + 5p_{7,16} + 2p_{7,80} + p_{6,48} \\ + 4p_{7,24} + p_{7,88} + 2p_{6,56} + p_{7,4} + 2p_{7,68} + p_{6,20} + 3p_{7,116} + 2p_{7,76} \\ + 2p_{7,60} + p_{7,124} + 2p_{7,18} + p_{7,82} + p_{6,10} + 2p_{7,42} + 2p_{7,26} + p_{7,90} \\ + p_{6,58} + p_{6,6} + 2p_{7,38} + p_{7,102} + 2p_{6,22} + p_{7,54} + p_{7,78} + 2p_{7,46} \\ + p_{7,94} + 2p_{7,62} + 2p_{7,1} + 4p_{7,65} + 2p_{7,33} + 3p_{7,97} + p_{7,17} + p_{6,49} \\ + 4p_{7,73} + p_{7,41} + p_{7,57} + 2p_{7,121} + p_{7,69} + p_{7,101} + 2p_{7,53} + p_{7,117} \\ + p_{7,77} + p_{6,45} + 2p_{7,29} + p_{7,93} + 2p_{7,125} + 2p_{7,67} + 2p_{7,35} + p_{6,19} \\ + p_{7,75} + p_{7,107} + p_{7,91} + 3p_{7,59} + 2p_{7,123} + p_{7,7} + p_{6,39} + 2p_{7,87} \\ + p_{7,15} + 2p_{7,47} + p_{7,95} + 2p_{6,63}) \end{array}}$$

$$p_{8,215} = \frac{1}{2}p_{7,87} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,87}^2 - 4(2p_{7,0} + 3p_{7,64} + 2p_{7,32} + 5p_{7,16} + 2p_{7,80} + p_{6,48}\\&+ 4p_{7,24} + p_{7,88} + 2p_{6,56} + p_{7,4} + 2p_{7,68} + p_{6,20} + 3p_{7,116} + 2p_{7,76}\\&+ 2p_{7,60} + p_{7,124} + 2p_{7,18} + p_{7,82} + p_{6,10} + 2p_{7,42} + 2p_{7,26} + p_{7,90}\\&+ p_{6,58} + p_{6,6} + 2p_{7,38} + p_{7,102} + 2p_{6,22} + p_{7,54} + p_{7,78} + 2p_{7,46}\\&+ p_{7,94} + 2p_{7,62} + 2p_{7,1} + 4p_{7,65} + 2p_{7,33} + 3p_{7,97} + p_{7,17} + p_{6,49}\\&+ 4p_{7,73} + p_{7,41} + p_{7,57} + 2p_{7,121} + p_{7,69} + p_{7,101} + 2p_{7,53} + p_{7,117}\\&+ p_{7,77} + p_{6,45} + 2p_{7,29} + p_{7,93} + 2p_{7,125} + 2p_{7,67} + 2p_{7,35} + p_{6,19}\\&+ p_{7,75} + p_{7,107} + p_{7,91} + 3p_{7,59} + 2p_{7,123} + p_{7,7} + p_{6,39} + 2p_{7,87}\\&+ p_{7,15} + 2p_{7,47} + p_{7,95} + 2p_{6,63})\end{aligned}}$$

$$p_{8,55} = \frac{1}{2}p_{7,55} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,55}^2 - 4(2p_{7,0} + 3p_{7,32} + 2p_{7,96} + p_{6,16} + 2p_{7,48} + 5p_{7,112}\\&+ 2p_{6,24} + p_{7,56} + 4p_{7,120} + 2p_{7,36} + p_{7,100} + 3p_{7,84} + p_{6,52}\\&+ 2p_{7,44} + 2p_{7,28} + p_{7,92} + p_{7,50} + 2p_{7,114} + 2p_{7,10} + p_{6,42} + p_{6,26}\\&+ p_{7,58} + 2p_{7,122} + 2p_{7,6} + p_{7,70} + p_{6,38} + p_{7,22} + 2p_{6,54} + 2p_{7,14}\\&+ p_{7,46} + 2p_{7,30} + p_{7,62} + 2p_{7,1} + 3p_{7,65} + 4p_{7,33} + 2p_{7,97} + p_{6,17}\\&+ p_{7,113} + p_{7,9} + 4p_{7,41} + p_{7,25} + 2p_{7,89} + p_{7,69} + p_{7,37} + 2p_{7,21}\\&+ p_{7,85} + p_{6,13} + p_{7,45} + 2p_{7,93} + p_{7,61} + 2p_{7,125} + 2p_{7,3} + 2p_{7,35}\\&+ p_{6,51} + p_{7,75} + p_{7,43} + 3p_{7,27} + 2p_{7,91} + p_{7,59} + p_{6,7} + p_{7,103}\\&+ 2p_{7,55} + 2p_{7,15} + p_{7,111} + 2p_{6,31} + p_{7,63})\end{aligned}}$$

$$p_{8,183} = \frac{1}{2}p_{7,55} - \frac{1}{2}\sqrt{\begin{aligned}&p_{7,55}^2 - 4(2p_{7,0} + 3p_{7,32} + 2p_{7,96} + p_{6,16} + 2p_{7,48} + 5p_{7,112}\\&+ 2p_{6,24} + p_{7,56} + 4p_{7,120} + 2p_{7,36} + p_{7,100} + 3p_{7,84} + p_{6,52}\\&+ 2p_{7,44} + 2p_{7,28} + p_{7,92} + p_{7,50} + 2p_{7,114} + 2p_{7,10} + p_{6,42} + p_{6,26}\\&+ p_{7,58} + 2p_{7,122} + 2p_{7,6} + p_{7,70} + p_{6,38} + p_{7,22} + 2p_{6,54} + 2p_{7,14}\\&+ p_{7,46} + 2p_{7,30} + p_{7,62} + 2p_{7,1} + 3p_{7,65} + 4p_{7,33} + 2p_{7,97} + p_{6,17}\\&+ p_{7,113} + p_{7,9} + 4p_{7,41} + p_{7,25} + 2p_{7,89} + p_{7,69} + p_{7,37} + 2p_{7,21}\\&+ p_{7,85} + p_{6,13} + p_{7,45} + 2p_{7,93} + p_{7,61} + 2p_{7,125} + 2p_{7,3} + 2p_{7,35}\\&+ p_{6,51} + p_{7,75} + p_{7,43} + 3p_{7,27} + 2p_{7,91} + p_{7,59} + p_{6,7} + p_{7,103}\\&+ 2p_{7,55} + 2p_{7,15} + p_{7,111} + 2p_{6,31} + p_{7,63})\end{aligned}}$$

$$p_{8,119} = \frac{1}{2}p_{7,119} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,119}^2 - 4(2p_{7,64} + 2p_{7,32} + 3p_{7,96} + p_{6,16} + 5p_{7,48} + 2p_{7,112}\\&+ 2p_{6,24} + 4p_{7,56} + p_{7,120} + p_{7,36} + 2p_{7,100} + 3p_{7,20} + p_{6,52}\\&+ 2p_{7,108} + p_{7,28} + 2p_{7,92} + 2p_{7,50} + p_{7,114} + 2p_{7,74} + p_{6,42} + p_{6,26}\\&+ 2p_{7,58} + p_{7,122} + p_{7,6} + 2p_{7,70} + p_{6,38} + p_{7,86} + 2p_{6,54} + 2p_{7,78}\\&+ p_{7,110} + 2p_{7,94} + p_{7,126} + 3p_{7,1} + 2p_{7,65} + 2p_{7,33} + 4p_{7,97} + p_{6,17}\\&+ p_{7,49} + p_{7,73} + 4p_{7,105} + 2p_{7,25} + p_{7,89} + p_{7,5} + p_{7,101} + p_{7,21}\\&+ 2p_{7,85} + p_{6,13} + p_{7,109} + 2p_{7,29} + 2p_{7,61} + p_{7,125} + 2p_{7,67} + 2p_{7,99}\\&+ p_{6,51} + p_{7,11} + p_{7,107} + 2p_{7,27} + 3p_{7,91} + p_{7,123} + p_{6,7} + p_{7,39}\\&+ 2p_{7,119} + 2p_{7,79} + p_{7,47} + 2p_{6,31} + p_{7,127})\end{aligned}}$$

$$p_{8,247} = \frac{1}{2}p_{7,119} - \frac{1}{2}\sqrt{\begin{aligned}&p_{7,119}^2 - 4(2p_{7,64} + 2p_{7,32} + 3p_{7,96} + p_{6,16} + 5p_{7,48} + 2p_{7,112}\\ &+ 2p_{6,24} + 4p_{7,56} + p_{7,120} + p_{7,36} + 2p_{7,100} + 3p_{7,20} + p_{6,52}\\ &+ 2p_{7,108} + p_{7,28} + 2p_{7,92} + 2p_{7,50} + p_{7,114} + 2p_{7,74} + p_{6,42} + p_{6,26}\\ &+ 2p_{7,58} + p_{7,122} + p_{7,6} + 2p_{7,70} + p_{6,38} + p_{7,86} + 2p_{6,54} + 2p_{7,78}\\ &+ p_{7,110} + 2p_{7,94} + p_{7,126} + 3p_{7,1} + 2p_{7,65} + 2p_{7,33} + 4p_{7,97} + p_{6,17}\\ &+ p_{7,49} + p_{7,73} + 4p_{7,105} + 2p_{7,25} + p_{7,89} + p_{7,5} + p_{7,101} + p_{7,21}\\ &+ 2p_{7,85} + p_{6,13} + p_{7,109} + 2p_{7,29} + 2p_{7,61} + p_{7,125} + 2p_{7,67} + 2p_{7,99}\\ &+ p_{6,51} + p_{7,11} + p_{7,107} + 2p_{7,27} + 3p_{7,91} + p_{7,123} + p_{6,7} + p_{7,39}\\ &+ 2p_{7,119} + 2p_{7,79} + p_{7,47} + 2p_{6,31} + p_{7,127})\end{aligned}}$$

$$p_{8,15} = \frac{1}{2}p_{7,15} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,15}^2 - 4(p_{7,16} + 4p_{7,80} + 2p_{6,48} + 2p_{7,8} + 5p_{7,72} + p_{6,40}\\ &+ 2p_{7,88} + 2p_{7,56} + 3p_{7,120} + 2p_{7,4} + p_{7,52} + 2p_{7,116} + p_{6,12} + 3p_{7,44}\\ &+ p_{7,60} + 2p_{7,124} + p_{6,2} + 2p_{7,98} + p_{7,18} + 2p_{7,82} + p_{6,50} + p_{7,10}\\ &+ 2p_{7,74} + p_{7,6} + 2p_{7,102} + p_{7,22} + 2p_{7,118} + 2p_{6,14} + p_{7,110} + p_{7,30}\\ &+ 2p_{7,94} + p_{6,62} + 4p_{7,1} + p_{7,97} + 2p_{7,49} + p_{7,113} + p_{7,73} + p_{6,41}\\ &+ 3p_{7,25} + 2p_{7,89} + 2p_{7,57} + 4p_{7,121} + p_{7,5} + p_{6,37} + p_{7,21} + 2p_{7,85}\\ &+ 2p_{7,53} + p_{7,45} + 2p_{7,109} + p_{7,29} + p_{7,125} + p_{7,3} + p_{7,35} + p_{7,19}\\ &+ 2p_{7,51} + 3p_{7,115} + p_{6,11} + 2p_{7,91} + 2p_{7,123} + p_{7,71} + 2p_{7,103}\\ &+ p_{7,23} + 2p_{6,55} + 2p_{7,15} + p_{6,31} + p_{7,63})\end{aligned}}$$

$$p_{8,143} = \frac{1}{2}p_{7,15} - \frac{1}{2}\sqrt{\begin{aligned}&p_{7,15}^2 - 4(p_{7,16} + 4p_{7,80} + 2p_{6,48} + 2p_{7,8} + 5p_{7,72} + p_{6,40}\\ &+ 2p_{7,88} + 2p_{7,56} + 3p_{7,120} + 2p_{7,4} + p_{7,52} + 2p_{7,116} + p_{6,12} + 3p_{7,44}\\ &+ p_{7,60} + 2p_{7,124} + p_{6,2} + 2p_{7,98} + p_{7,18} + 2p_{7,82} + p_{6,50} + p_{7,10}\\ &+ 2p_{7,74} + p_{7,6} + 2p_{7,102} + p_{7,22} + 2p_{7,118} + 2p_{6,14} + p_{7,110} + p_{7,30}\\ &+ 2p_{7,94} + p_{6,62} + 4p_{7,1} + p_{7,97} + 2p_{7,49} + p_{7,113} + p_{7,73} + p_{6,41}\\ &+ 3p_{7,25} + 2p_{7,89} + 2p_{7,57} + 4p_{7,121} + p_{7,5} + p_{6,37} + p_{7,21} + 2p_{7,85}\\ &+ 2p_{7,53} + p_{7,45} + 2p_{7,109} + p_{7,29} + p_{7,125} + p_{7,3} + p_{7,35} + p_{7,19}\\ &+ 2p_{7,51} + 3p_{7,115} + p_{6,11} + 2p_{7,91} + 2p_{7,123} + p_{7,71} + 2p_{7,103}\\ &+ p_{7,23} + 2p_{6,55} + 2p_{7,15} + p_{6,31} + p_{7,63})\end{aligned}}$$

$$p_{8,79} = \frac{1}{2}p_{7,79} - \frac{1}{2}\sqrt{\begin{aligned}&p_{7,79}^2 - 4(4p_{7,16} + p_{7,80} + 2p_{6,48} + 5p_{7,8} + 2p_{7,72} + p_{6,40}\\ &+ 2p_{7,24} + 3p_{7,56} + 2p_{7,120} + 2p_{7,68} + 2p_{7,52} + p_{7,116} + p_{6,12}\\ &+ 3p_{7,108} + 2p_{7,60} + p_{7,124} + p_{6,2} + 2p_{7,34} + 2p_{7,18} + p_{7,82} + p_{6,50}\\ &+ 2p_{7,10} + p_{7,74} + p_{7,70} + 2p_{7,38} + p_{7,86} + 2p_{7,54} + 2p_{6,14} + p_{7,46}\\ &+ 2p_{7,30} + p_{7,94} + p_{6,62} + 4p_{7,65} + p_{7,33} + p_{7,49} + 2p_{7,113} + p_{7,9}\\ &+ p_{6,41} + 2p_{7,25} + 3p_{7,89} + 4p_{7,57} + 2p_{7,121} + p_{7,69} + p_{6,37} + 2p_{7,21}\\ &+ p_{7,85} + 2p_{7,117} + 2p_{7,45} + p_{7,109} + p_{7,93} + p_{7,61} + p_{7,67} + p_{7,99}\\ &+ p_{7,83} + 3p_{7,51} + 2p_{7,115} + p_{6,11} + 2p_{7,27} + 2p_{7,59} + p_{7,7} + 2p_{7,39}\\ &+ p_{7,87} + 2p_{6,55} + 2p_{7,79} + p_{6,31} + p_{7,127})\end{aligned}}$$

$$p_{8,207} = \frac{1}{2}p_{7,79} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,79}^2 - 4(4p_{7,16} + p_{7,80} + 2p_{6,48} + 5p_{7,8} + 2p_{7,72} + p_{6,40}\\&+ 2p_{7,24} + 3p_{7,56} + 2p_{7,120} + 2p_{7,68} + 2p_{7,52} + p_{7,116} + p_{6,12}\\&+ 3p_{7,108} + 2p_{7,60} + p_{7,124} + p_{6,2} + 2p_{7,34} + 2p_{7,18} + p_{7,82} + p_{6,50}\\&+ 2p_{7,10} + p_{7,74} + p_{7,70} + 2p_{7,38} + p_{7,86} + 2p_{7,54} + 2p_{6,14} + p_{7,46}\\&+ 2p_{7,30} + p_{7,94} + p_{6,62} + 4p_{7,65} + p_{7,33} + p_{7,49} + 2p_{7,113} + p_{7,9}\\&+ p_{6,41} + 2p_{7,25} + 3p_{7,89} + 4p_{7,57} + 2p_{7,121} + p_{7,69} + p_{6,37} + 2p_{7,21}\\&+ p_{7,85} + 2p_{7,117} + 2p_{7,45} + p_{7,109} + p_{7,93} + p_{7,61} + p_{7,67} + p_{7,99}\\&+ p_{7,83} + 3p_{7,51} + 2p_{7,115} + p_{6,11} + 2p_{7,27} + 2p_{7,59} + p_{7,7} + 2p_{7,39}\\&+ p_{7,87} + 2p_{6,55} + 2p_{7,79} + p_{6,31} + p_{7,127})\end{aligned}}$$

$$p_{8,47} = \frac{1}{2}p_{7,47} - \frac{1}{2}\sqrt{\begin{aligned}&p_{7,47}^2 - 4(2p_{6,16} + p_{7,48} + 4p_{7,112} + p_{6,8} + 2p_{7,40} + 5p_{7,104}\\&+ 3p_{7,24} + 2p_{7,88} + 2p_{7,120} + 2p_{7,36} + 2p_{7,20} + p_{7,84} + 3p_{7,76}\\&+ p_{6,44} + 2p_{7,28} + p_{7,92} + 2p_{7,2} + p_{6,34} + p_{6,18} + p_{7,50} + 2p_{7,114}\\&+ p_{7,42} + 2p_{7,106} + 2p_{7,6} + p_{7,38} + 2p_{7,22} + p_{7,54} + p_{7,14} + 2p_{6,46}\\&+ p_{6,30} + p_{7,62} + 2p_{7,126} + p_{7,1} + 4p_{7,33} + p_{7,17} + 2p_{7,81} + p_{6,9}\\&+ p_{7,105} + 4p_{7,25} + 2p_{7,89} + 3p_{7,57} + 2p_{7,121} + p_{6,5} + p_{7,37} + 2p_{7,85}\\&+ p_{7,53} + 2p_{7,117} + 2p_{7,13} + p_{7,77} + p_{7,29} + p_{7,61} + p_{7,67} + p_{7,35}\\&+ 3p_{7,19} + 2p_{7,83} + p_{7,51} + p_{6,43} + 2p_{7,27} + 2p_{7,123} + 2p_{7,7} + p_{7,103}\\&+ 2p_{6,23} + p_{7,55} + 2p_{7,47} + p_{7,95} + p_{6,63})\end{aligned}}$$

$$p_{8,175} = \frac{1}{2}p_{7,47} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,47}^2 - 4(2p_{6,16} + p_{7,48} + 4p_{7,112} + p_{6,8} + 2p_{7,40} + 5p_{7,104}\\&+ 3p_{7,24} + 2p_{7,88} + 2p_{7,120} + 2p_{7,36} + 2p_{7,20} + p_{7,84} + 3p_{7,76}\\&+ p_{6,44} + 2p_{7,28} + p_{7,92} + 2p_{7,2} + p_{6,34} + p_{6,18} + p_{7,50} + 2p_{7,114}\\&+ p_{7,42} + 2p_{7,106} + 2p_{7,6} + p_{7,38} + 2p_{7,22} + p_{7,54} + p_{7,14} + 2p_{6,46}\\&+ p_{6,30} + p_{7,62} + 2p_{7,126} + p_{7,1} + 4p_{7,33} + p_{7,17} + 2p_{7,81} + p_{6,9}\\&+ p_{7,105} + 4p_{7,25} + 2p_{7,89} + 3p_{7,57} + 2p_{7,121} + p_{6,5} + p_{7,37} + 2p_{7,85}\\&+ p_{7,53} + 2p_{7,117} + 2p_{7,13} + p_{7,77} + p_{7,29} + p_{7,61} + p_{7,67} + p_{7,35}\\&+ 3p_{7,19} + 2p_{7,83} + p_{7,51} + p_{6,43} + 2p_{7,27} + 2p_{7,123} + 2p_{7,7} + p_{7,103}\\&+ 2p_{6,23} + p_{7,55} + 2p_{7,47} + p_{7,95} + p_{6,63})\end{aligned}}$$

$$p_{8,111} = \frac{1}{2}p_{7,111} - \frac{1}{2}\sqrt{\begin{aligned}&p_{7,111}^2 - 4(2p_{6,16} + 4p_{7,48} + p_{7,112} + p_{6,8} + 5p_{7,40} + 2p_{7,104}\\&+ 2p_{7,24} + 3p_{7,88} + 2p_{7,56} + 2p_{7,100} + p_{7,20} + 2p_{7,84} + 3p_{7,12} + p_{6,44}\\&+ p_{7,28} + 2p_{7,92} + 2p_{7,66} + p_{6,34} + p_{6,18} + 2p_{7,50} + p_{7,114} + 2p_{7,42}\\&+ p_{7,106} + 2p_{7,70} + p_{7,102} + 2p_{7,86} + p_{7,118} + p_{7,78} + 2p_{6,46} + p_{6,30}\\&+ 2p_{7,62} + p_{7,126} + p_{7,65} + 4p_{7,97} + 2p_{7,17} + p_{7,81} + p_{6,9} + p_{7,41}\\&+ 2p_{7,25} + 4p_{7,89} + 2p_{7,57} + 3p_{7,121} + p_{6,5} + p_{7,101} + 2p_{7,21} + 2p_{7,53}\\&+ p_{7,117} + p_{7,13} + 2p_{7,77} + p_{7,93} + p_{7,125} + p_{7,3} + p_{7,99} + 2p_{7,19}\\&+ 3p_{7,83} + p_{7,115} + p_{6,43} + 2p_{7,91} + 2p_{7,59} + 2p_{7,71} + p_{7,39} + 2p_{6,23}\\&+ p_{7,119} + 2p_{7,111} + p_{7,31} + p_{6,63})\end{aligned}}$$

$$p_{8,239} = \frac{1}{2}p_{7,111} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,111}^2 - 4(2p_{6,16} + 4p_{7,48} + p_{7,112} + p_{6,8} + 5p_{7,40} + 2p_{7,104}\\&+ 2p_{7,24} + 3p_{7,88} + 2p_{7,56} + 2p_{7,100} + p_{7,20} + 2p_{7,84} + 3p_{7,12} + p_{6,44}\\&+ p_{7,28} + 2p_{7,92} + 2p_{7,66} + p_{6,34} + p_{6,18} + 2p_{7,50} + p_{7,114} + 2p_{7,42}\\&+ p_{7,106} + 2p_{7,70} + p_{7,102} + 2p_{7,86} + p_{7,118} + p_{7,78} + 2p_{6,46} + p_{6,30}\\&+ 2p_{7,62} + p_{7,126} + p_{7,65} + 4p_{7,97} + 2p_{7,17} + p_{7,81} + p_{6,9} + p_{7,41}\\&+ 2p_{7,25} + 4p_{7,89} + 2p_{7,57} + 3p_{7,121} + p_{6,5} + p_{7,101} + 2p_{7,21} + 2p_{7,53}\\&+ p_{7,117} + p_{7,13} + 2p_{7,77} + p_{7,93} + p_{7,125} + p_{7,3} + p_{7,99} + 2p_{7,19}\\&+ 3p_{7,83} + p_{7,115} + p_{6,43} + 2p_{7,91} + 2p_{7,59} + 2p_{7,71} + p_{7,39} + 2p_{6,23}\\&+ p_{7,119} + 2p_{7,111} + p_{7,31} + p_{6,63})\end{aligned}}$$

$$p_{8,31} = \frac{1}{2}p_{7,31} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,31}^2 - 4(2p_{6,0} + p_{7,32} + 4p_{7,96} + 3p_{7,8} + 2p_{7,72} + 2p_{7,104}\\&+ 2p_{7,24} + 5p_{7,88} + p_{6,56} + 2p_{7,4} + p_{7,68} + 2p_{7,20} + 2p_{7,12} + p_{7,76}\\&+ p_{6,28} + 3p_{7,60} + p_{6,2} + p_{7,34} + 2p_{7,98} + p_{6,18} + 2p_{7,114} + p_{7,26}\\&+ 2p_{7,90} + 2p_{7,6} + p_{7,38} + p_{7,22} + 2p_{7,118} + p_{6,14} + p_{7,46} + 2p_{7,110}\\&+ 2p_{6,30} + p_{7,126} + p_{7,1} + 2p_{7,65} + 4p_{7,17} + p_{7,113} + 4p_{7,9} + 2p_{7,73}\\&+ 3p_{7,41} + 2p_{7,105} + p_{7,89} + p_{6,57} + 2p_{7,69} + p_{7,37} + 2p_{7,101} + p_{7,21}\\&+ p_{6,53} + p_{7,13} + p_{7,45} + p_{7,61} + 2p_{7,125} + 3p_{7,3} + 2p_{7,67} + p_{7,35}\\&+ p_{7,19} + p_{7,51} + 2p_{7,11} + 2p_{7,107} + p_{6,27} + 2p_{6,7} + p_{7,39} + p_{7,87}\\&+ 2p_{7,119} + p_{7,79} + p_{6,47} + 2p_{7,31})\end{aligned}}$$

$$p_{8,159} = \frac{1}{2}p_{7,31} - \frac{1}{2}\sqrt{\begin{aligned}&p_{7,31}^2 - 4(2p_{6,0} + p_{7,32} + 4p_{7,96} + 3p_{7,8} + 2p_{7,72} + 2p_{7,104}\\&+ 2p_{7,24} + 5p_{7,88} + p_{6,56} + 2p_{7,4} + p_{7,68} + 2p_{7,20} + 2p_{7,12} + p_{7,76}\\&+ p_{6,28} + 3p_{7,60} + p_{6,2} + p_{7,34} + 2p_{7,98} + p_{6,18} + 2p_{7,114} + p_{7,26}\\&+ 2p_{7,90} + 2p_{7,6} + p_{7,38} + p_{7,22} + 2p_{7,118} + p_{6,14} + p_{7,46} + 2p_{7,110}\\&+ 2p_{6,30} + p_{7,126} + p_{7,1} + 2p_{7,65} + 4p_{7,17} + p_{7,113} + 4p_{7,9} + 2p_{7,73}\\&+ 3p_{7,41} + 2p_{7,105} + p_{7,89} + p_{6,57} + 2p_{7,69} + p_{7,37} + 2p_{7,101} + p_{7,21}\\&+ p_{6,53} + p_{7,13} + p_{7,45} + p_{7,61} + 2p_{7,125} + 3p_{7,3} + 2p_{7,67} + p_{7,35}\\&+ p_{7,19} + p_{7,51} + 2p_{7,11} + 2p_{7,107} + p_{6,27} + 2p_{6,7} + p_{7,39} + p_{7,87}\\&+ 2p_{7,119} + p_{7,79} + p_{6,47} + 2p_{7,31})\end{aligned}}$$

$$p_{8,95} = \frac{1}{2}p_{7,95} - \frac{1}{2}\sqrt{\begin{aligned}&p_{7,95}^2 - 4(2p_{6,0} + 4p_{7,32} + p_{7,96} + 2p_{7,8} + 3p_{7,72} + 2p_{7,40}\\&+ 5p_{7,24} + 2p_{7,88} + p_{6,56} + p_{7,4} + 2p_{7,68} + 2p_{7,84} + p_{7,12} + 2p_{7,76}\\&+ p_{6,28} + 3p_{7,124} + p_{6,2} + 2p_{7,34} + p_{7,98} + p_{6,18} + 2p_{7,50} + 2p_{7,26}\\&+ p_{7,90} + 2p_{7,70} + p_{7,102} + p_{7,86} + 2p_{7,54} + p_{6,14} + 2p_{7,46} + p_{7,110}\\&+ 2p_{6,30} + p_{7,62} + 2p_{7,1} + p_{7,65} + 4p_{7,81} + p_{7,49} + 2p_{7,9} + 4p_{7,73}\\&+ 2p_{7,41} + 3p_{7,105} + p_{7,25} + p_{6,57} + 2p_{7,5} + 2p_{7,37} + p_{7,101} + p_{7,85}\\&+ p_{6,53} + p_{7,77} + p_{7,109} + 2p_{7,61} + p_{7,125} + 2p_{7,3} + 3p_{7,67} + p_{7,99}\\&+ p_{7,83} + p_{7,115} + 2p_{7,75} + 2p_{7,43} + p_{6,27} + 2p_{6,7} + p_{7,103} + p_{7,23}\\&+ 2p_{7,55} + p_{7,15} + p_{6,47} + 2p_{7,95})\end{aligned}}$$

$$p_{8,223} = \frac{1}{2}p_{7,95} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,95}^2 - 4(2p_{6,0} + 4p_{7,32} + p_{7,96} + 2p_{7,8} + 3p_{7,72} + 2p_{7,40}\\ &+ 5p_{7,24} + 2p_{7,88} + p_{6,56} + p_{7,4} + 2p_{7,68} + 2p_{7,84} + p_{7,12} + 2p_{7,76}\\ &+ p_{6,28} + 3p_{7,124} + p_{6,2} + 2p_{7,34} + p_{7,98} + p_{6,18} + 2p_{7,50} + 2p_{7,26}\\ &+ p_{7,90} + 2p_{7,70} + p_{7,102} + p_{7,86} + 2p_{7,54} + p_{6,14} + 2p_{7,46} + p_{7,110}\\ &+ 2p_{6,30} + p_{7,62} + 2p_{7,1} + p_{7,65} + 4p_{7,81} + p_{7,49} + 2p_{7,9} + 4p_{7,73}\\ &+ 2p_{7,41} + 3p_{7,105} + p_{7,25} + p_{6,57} + 2p_{7,5} + 2p_{7,37} + p_{7,101} + p_{7,85}\\ &+ p_{6,53} + p_{7,77} + p_{7,109} + 2p_{7,61} + p_{7,125} + 2p_{7,3} + 3p_{7,67} + p_{7,99}\\ &+ p_{7,83} + p_{7,115} + 2p_{7,75} + 2p_{7,43} + p_{6,27} + 2p_{6,7} + p_{7,103} + p_{7,23}\\ &+ 2p_{7,55} + p_{7,15} + p_{6,47} + 2p_{7,95})\end{aligned}}$$

$$p_{8,63} = \frac{1}{2}p_{7,63} - \frac{1}{2}\sqrt{\begin{aligned}&p_{7,63}^2 - 4(4p_{7,0} + p_{7,64} + 2p_{6,32} + 2p_{7,8} + 3p_{7,40} + 2p_{7,104}\\ &+ p_{6,24} + 2p_{7,56} + 5p_{7,120} + 2p_{7,36} + p_{7,100} + 2p_{7,52} + 2p_{7,44}\\ &+ p_{7,108} + 3p_{7,92} + p_{6,60} + 2p_{7,2} + p_{7,66} + p_{6,34} + 2p_{7,18} + p_{6,50}\\ &+ p_{7,58} + 2p_{7,122} + p_{7,70} + 2p_{7,38} + 2p_{7,22} + p_{7,54} + 2p_{7,14} + p_{7,78}\\ &+ p_{6,46} + p_{7,30} + 2p_{6,62} + p_{7,33} + 2p_{7,97} + p_{7,17} + 4p_{7,49} + 2p_{7,9}\\ &+ 3p_{7,73} + 4p_{7,41} + 2p_{7,105} + p_{6,25} + p_{7,121} + 2p_{7,5} + p_{7,69} + 2p_{7,101}\\ &+ p_{6,21} + p_{7,53} + p_{7,77} + p_{7,45} + 2p_{7,29} + p_{7,93} + p_{7,67} + 3p_{7,35}\\ &+ 2p_{7,99} + p_{7,83} + p_{7,51} + 2p_{7,11} + 2p_{7,43} + p_{6,59} + p_{7,71} + 2p_{6,39}\\ &+ 2p_{7,23} + p_{7,119} + p_{6,15} + p_{7,111} + 2p_{7,63})\end{aligned}}$$

$$p_{8,191} = \frac{1}{2}p_{7,63} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,63}^2 - 4(4p_{7,0} + p_{7,64} + 2p_{6,32} + 2p_{7,8} + 3p_{7,40} + 2p_{7,104}\\ &+ p_{6,24} + 2p_{7,56} + 5p_{7,120} + 2p_{7,36} + p_{7,100} + 2p_{7,52} + 2p_{7,44}\\ &+ p_{7,108} + 3p_{7,92} + p_{6,60} + 2p_{7,2} + p_{7,66} + p_{6,34} + 2p_{7,18} + p_{6,50}\\ &+ p_{7,58} + 2p_{7,122} + p_{7,70} + 2p_{7,38} + 2p_{7,22} + p_{7,54} + 2p_{7,14} + p_{7,78}\\ &+ p_{6,46} + p_{7,30} + 2p_{6,62} + p_{7,33} + 2p_{7,97} + p_{7,17} + 4p_{7,49} + 2p_{7,9}\\ &+ 3p_{7,73} + 4p_{7,41} + 2p_{7,105} + p_{6,25} + p_{7,121} + 2p_{7,5} + p_{7,69} + 2p_{7,101}\\ &+ p_{6,21} + p_{7,53} + p_{7,77} + p_{7,45} + 2p_{7,29} + p_{7,93} + p_{7,67} + 3p_{7,35}\\ &+ 2p_{7,99} + p_{7,83} + p_{7,51} + 2p_{7,11} + 2p_{7,43} + p_{6,59} + p_{7,71} + 2p_{6,39}\\ &+ 2p_{7,23} + p_{7,119} + p_{6,15} + p_{7,111} + 2p_{7,63})\end{aligned}}$$

$$p_{8,127} = \frac{1}{2}p_{7,127} + \frac{1}{2}\sqrt{\begin{aligned}&p_{7,127}^2 - 4(p_{7,0} + 4p_{7,64} + 2p_{6,32} + 2p_{7,72} + 2p_{7,40} + 3p_{7,104}\\ &+ p_{6,24} + 5p_{7,56} + 2p_{7,120} + p_{7,36} + 2p_{7,100} + 2p_{7,116} + p_{7,44}\\ &+ 2p_{7,108} + 3p_{7,28} + p_{6,60} + p_{7,2} + 2p_{7,66} + p_{6,34} + 2p_{7,82} + p_{6,50}\\ &+ 2p_{7,58} + p_{7,122} + p_{7,6} + 2p_{7,102} + 2p_{7,86} + p_{7,118} + p_{7,14} + 2p_{7,78}\\ &+ p_{6,46} + p_{7,94} + 2p_{6,62} + 2p_{7,33} + p_{7,97} + p_{7,81} + 4p_{7,113} + 3p_{7,9}\\ &+ 2p_{7,73} + 2p_{7,41} + 4p_{7,105} + p_{6,25} + p_{7,57} + p_{7,5} + 2p_{7,69} + 2p_{7,37}\\ &+ p_{6,21} + p_{7,117} + p_{7,13} + p_{7,109} + p_{7,29} + 2p_{7,93} + p_{7,3} + 2p_{7,35}\\ &+ 3p_{7,99} + p_{7,19} + p_{7,115} + 2p_{7,75} + 2p_{7,107} + p_{6,59} + p_{7,7} + 2p_{6,39}\\ &+ 2p_{7,87} + p_{7,55} + p_{6,15} + p_{7,47} + 2p_{7,127})\end{aligned}}$$

$$p_{8,255} = \frac{1}{2}p_{7,127} - \frac{1}{2}\sqrt{\begin{array}{l} p_{7,127}^2 - 4(p_{7,0} + 4p_{7,64} + 2p_{6,32} + 2p_{7,72} + 2p_{7,40} + 3p_{7,104} \\ + p_{6,24} + 5p_{7,56} + 2p_{7,120} + p_{7,36} + 2p_{7,100} + 2p_{7,116} + p_{7,44} \\ + 2p_{7,108} + 3p_{7,28} + p_{6,60} + p_{7,2} + 2p_{7,66} + p_{6,34} + 2p_{7,82} + p_{6,50} \\ + 2p_{7,58} + p_{7,122} + p_{7,6} + 2p_{7,102} + 2p_{7,86} + p_{7,118} + p_{7,14} + 2p_{7,78} \\ + p_{6,46} + p_{7,94} + 2p_{6,62} + 2p_{7,33} + p_{7,97} + p_{7,81} + 4p_{7,113} + 3p_{7,9} \\ + 2p_{7,73} + 2p_{7,41} + 4p_{7,105} + p_{6,25} + p_{7,57} + p_{7,5} + 2p_{7,69} + 2p_{7,37} \\ + p_{6,21} + p_{7,117} + p_{7,13} + p_{7,109} + p_{7,29} + 2p_{7,93} + p_{7,3} + 2p_{7,35} \\ + 3p_{7,99} + p_{7,19} + p_{7,115} + 2p_{7,75} + 2p_{7,107} + p_{6,59} + p_{7,7} + 2p_{6,39} \\ + 2p_{7,87} + p_{7,55} + p_{6,15} + p_{7,47} + 2p_{7,127}) \end{array}}$$

$$p_{9,0} = \frac{1}{2}p_{8,0} + \frac{1}{2}\sqrt{\begin{array}{l} p_{8,0}^2 - 4(p_{8,128} + p_{8,112} + p_{8,200} + p_{8,88} + p_{8,56} + p_{8,4} \\ + p_{8,68} + p_{7,84} + p_{8,44} + 2p_{7,28} + p_{8,188} + p_{7,124} + p_{8,146} + 3p_{8,82} \\ + p_{8,50} + p_{8,106} + p_{8,186} + p_{8,250} + p_{8,70} + p_{7,14} + p_{8,78} + p_{8,30} \\ + p_{8,65} + p_{8,33} + p_{8,81} + p_{8,41} + p_{8,233} + p_{8,89} + 2p_{8,185} + p_{8,37} \\ + p_{8,53} + p_{8,117} + 2p_{8,245} + p_{8,173} + p_{8,109} + p_{8,29} + p_{8,61} \\ + p_{8,253} + 2p_{8,3} + p_{8,195} + p_{8,19} + p_{8,51} + p_{8,243} + p_{8,43} + p_{8,219} \\ + p_{7,59} + p_{7,7} + p_{8,39} + p_{8,231} + p_{8,79} + p_{8,175}) \end{array}}$$

$$p_{9,256} = \frac{1}{2}p_{8,0} - \frac{1}{2}\sqrt{\begin{array}{l} p_{8,0}^2 - 4(p_{8,128} + p_{8,112} + p_{8,200} + p_{8,88} + p_{8,56} + p_{8,4} \\ + p_{8,68} + p_{7,84} + p_{8,44} + 2p_{7,28} + p_{8,188} + p_{7,124} + p_{8,146} + 3p_{8,82} \\ + p_{8,50} + p_{8,106} + p_{8,186} + p_{8,250} + p_{8,70} + p_{7,14} + p_{8,78} + p_{8,30} \\ + p_{8,65} + p_{8,33} + p_{8,81} + p_{8,41} + p_{8,233} + p_{8,89} + 2p_{8,185} + p_{8,37} \\ + p_{8,53} + p_{8,117} + 2p_{8,245} + p_{8,173} + p_{8,109} + p_{8,29} + p_{8,61} \\ + p_{8,253} + 2p_{8,3} + p_{8,195} + p_{8,19} + p_{8,51} + p_{8,243} + p_{8,43} + p_{8,219} \\ + p_{7,59} + p_{7,7} + p_{8,39} + p_{8,231} + p_{8,79} + p_{8,175}) \end{array}}$$

$$p_{9,128} = \frac{1}{2}p_{8,128} - \frac{1}{2}\sqrt{\begin{array}{l} p_{8,128}^2 - 4(p_{8,0} + p_{8,240} + p_{8,72} + p_{8,216} + p_{8,184} + p_{8,132} \\ + p_{8,196} + p_{7,84} + p_{8,172} + 2p_{7,28} + p_{8,60} + p_{7,124} + p_{8,18} + 3p_{8,210} \\ + p_{8,178} + p_{8,234} + p_{8,58} + p_{8,122} + p_{8,198} + p_{7,14} + p_{8,206} + p_{8,158} \\ + p_{8,193} + p_{8,161} + p_{8,209} + p_{8,169} + p_{8,105} + p_{8,217} + 2p_{8,57} + p_{8,165} \\ + p_{8,181} + 2p_{8,117} + p_{8,245} + p_{8,45} + p_{8,237} + p_{8,157} + p_{8,189} + p_{8,125} \\ + 2p_{8,131} + p_{8,67} + p_{8,147} + p_{8,179} + p_{8,115} + p_{8,171} + p_{8,91} + p_{7,59} \\ + p_{7,7} + p_{8,167} + p_{8,103} + p_{8,207} + p_{8,47}) \end{array}}$$

$$p_{9,384} = \frac{1}{2}p_{8,128} + \frac{1}{2}\sqrt{\begin{array}{l} p_{8,128}^2 - 4(p_{8,0} + p_{8,240} + p_{8,72} + p_{8,216} + p_{8,184} + p_{8,132} \\ + p_{8,196} + p_{7,84} + p_{8,172} + 2p_{7,28} + p_{8,60} + p_{7,124} + p_{8,18} + 3p_{8,210} \\ + p_{8,178} + p_{8,234} + p_{8,58} + p_{8,122} + p_{8,198} + p_{7,14} + p_{8,206} + p_{8,158} \\ + p_{8,193} + p_{8,161} + p_{8,209} + p_{8,169} + p_{8,105} + p_{8,217} + 2p_{8,57} + p_{8,165} \\ + p_{8,181} + 2p_{8,117} + p_{8,245} + p_{8,45} + p_{8,237} + p_{8,157} + p_{8,189} + p_{8,125} \\ + 2p_{8,131} + p_{8,67} + p_{8,147} + p_{8,179} + p_{8,115} + p_{8,171} + p_{8,91} + p_{7,59} \\ + p_{7,7} + p_{8,167} + p_{8,103} + p_{8,207} + p_{8,47}) \end{array}}$$

$$p_{9,64} = \frac{1}{2}p_{8,64} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,64}^2 - 4(p_{8,192} + p_{8,176} + p_{8,8} + p_{8,152} + p_{8,120} + p_{8,132}\\ &+ p_{8,68} + p_{7,20} + p_{8,108} + 2p_{7,92} + p_{7,60} + p_{8,252} + 3p_{8,146} + p_{8,210}\\ &+ p_{8,114} + p_{8,170} + p_{8,58} + p_{8,250} + p_{8,134} + p_{8,142} + p_{7,78} + p_{8,94}\\ &+ p_{8,129} + p_{8,97} + p_{8,145} + p_{8,41} + p_{8,105} + p_{8,153} + 2p_{8,249} + p_{8,101}\\ &+ 2p_{8,53} + p_{8,181} + p_{8,117} + p_{8,173} + p_{8,237} + p_{8,93} + p_{8,61} + p_{8,125}\\ &+ p_{8,3} + 2p_{8,67} + p_{8,83} + p_{8,51} + p_{8,115} + p_{8,107} + p_{8,27} + p_{7,123}\\ &+ p_{7,71} + p_{8,39} + p_{8,103} + p_{8,143} + p_{8,239})\end{aligned}}$$

$$p_{9,320} = \frac{1}{2}p_{8,64} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,64}^2 - 4(p_{8,192} + p_{8,176} + p_{8,8} + p_{8,152} + p_{8,120} + p_{8,132}\\ &+ p_{8,68} + p_{7,20} + p_{8,108} + 2p_{7,92} + p_{7,60} + p_{8,252} + 3p_{8,146} + p_{8,210}\\ &+ p_{8,114} + p_{8,170} + p_{8,58} + p_{8,250} + p_{8,134} + p_{8,142} + p_{7,78} + p_{8,94}\\ &+ p_{8,129} + p_{8,97} + p_{8,145} + p_{8,41} + p_{8,105} + p_{8,153} + 2p_{8,249} + p_{8,101}\\ &+ 2p_{8,53} + p_{8,181} + p_{8,117} + p_{8,173} + p_{8,237} + p_{8,93} + p_{8,61} + p_{8,125}\\ &+ p_{8,3} + 2p_{8,67} + p_{8,83} + p_{8,51} + p_{8,115} + p_{8,107} + p_{8,27} + p_{7,123}\\ &+ p_{7,71} + p_{8,39} + p_{8,103} + p_{8,143} + p_{8,239})\end{aligned}}$$

$$p_{9,192} = \frac{1}{2}p_{8,192} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,192}^2 - 4(p_{8,64} + p_{8,48} + p_{8,136} + p_{8,24} + p_{8,248} + p_{8,4}\\ &+ p_{8,196} + p_{7,20} + p_{8,236} + 2p_{7,92} + p_{7,60} + p_{8,124} + 3p_{8,18} + p_{8,82}\\ &+ p_{8,242} + p_{8,42} + p_{8,186} + p_{8,122} + p_{8,6} + p_{8,14} + p_{7,78} + p_{8,222}\\ &+ p_{8,1} + p_{8,225} + p_{8,17} + p_{8,169} + p_{8,233} + p_{8,25} + 2p_{8,121} + p_{8,229}\\ &+ p_{8,53} + 2p_{8,181} + p_{8,245} + p_{8,45} + p_{8,109} + p_{8,221} + p_{8,189} + p_{8,253}\\ &+ p_{8,131} + 2p_{8,195} + p_{8,211} + p_{8,179} + p_{8,243} + p_{8,235} + p_{8,155}\\ &+ p_{7,123} + p_{7,71} + p_{8,167} + p_{8,231} + p_{8,15} + p_{8,111})\end{aligned}}$$

$$p_{9,448} = \frac{1}{2}p_{8,192} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,192}^2 - 4(p_{8,64} + p_{8,48} + p_{8,136} + p_{8,24} + p_{8,248} + p_{8,4}\\ &+ p_{8,196} + p_{7,20} + p_{8,236} + 2p_{7,92} + p_{7,60} + p_{8,124} + 3p_{8,18} + p_{8,82}\\ &+ p_{8,242} + p_{8,42} + p_{8,186} + p_{8,122} + p_{8,6} + p_{8,14} + p_{7,78} + p_{8,222}\\ &+ p_{8,1} + p_{8,225} + p_{8,17} + p_{8,169} + p_{8,233} + p_{8,25} + 2p_{8,121} + p_{8,229}\\ &+ p_{8,53} + 2p_{8,181} + p_{8,245} + p_{8,45} + p_{8,109} + p_{8,221} + p_{8,189} + p_{8,253}\\ &+ p_{8,131} + 2p_{8,195} + p_{8,211} + p_{8,179} + p_{8,243} + p_{8,235} + p_{8,155}\\ &+ p_{7,123} + p_{7,71} + p_{8,167} + p_{8,231} + p_{8,15} + p_{8,111})\end{aligned}}$$

$$p_{9,32} = \frac{1}{2}p_{8,32} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,32}^2 - 4(p_{8,160} + p_{8,144} + p_{8,232} + p_{8,88} + p_{8,120} + p_{8,36}\\ &+ p_{8,100} + p_{7,116} + p_{8,76} + p_{7,28} + p_{8,220} + 2p_{7,60} + p_{8,82} + p_{8,178}\\ &+ 3p_{8,114} + p_{8,138} + p_{8,26} + p_{8,218} + p_{8,102} + p_{7,46} + p_{8,110} + p_{8,62}\\ &+ p_{8,65} + p_{8,97} + p_{8,113} + p_{8,9} + p_{8,73} + 2p_{8,217} + p_{8,121} + p_{8,69}\\ &+ 2p_{8,21} + p_{8,149} + p_{8,85} + p_{8,141} + p_{8,205} + p_{8,29} + p_{8,93} + p_{8,61}\\ &+ 2p_{8,35} + p_{8,227} + p_{8,19} + p_{8,83} + p_{8,51} + p_{8,75} + p_{7,91} + p_{8,251}\\ &+ p_{8,7} + p_{8,71} + p_{7,39} + p_{8,207} + p_{8,111})\end{aligned}}$$

$$p_{9,288} = \frac{1}{2}p_{8,32} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,32}^2 - 4(p_{8,160} + p_{8,144} + p_{8,232} + p_{8,88} + p_{8,120} + p_{8,36}\\ &+ p_{8,100} + p_{7,116} + p_{8,76} + p_{7,28} + p_{8,220} + 2p_{7,60} + p_{8,82} + p_{8,178}\\ &+ 3p_{8,114} + p_{8,138} + p_{8,26} + p_{8,218} + p_{8,102} + p_{7,46} + p_{8,110} + p_{8,62}\\ &+ p_{8,65} + p_{8,97} + p_{8,113} + p_{8,9} + p_{8,73} + 2p_{8,217} + p_{8,121} + p_{8,69}\\ &+ 2p_{8,21} + p_{8,149} + p_{8,85} + p_{8,141} + p_{8,205} + p_{8,29} + p_{8,93} + p_{8,61}\\ &+ 2p_{8,35} + p_{8,227} + p_{8,19} + p_{8,83} + p_{8,51} + p_{8,75} + p_{7,91} + p_{8,251}\\ &+ p_{8,7} + p_{8,71} + p_{7,39} + p_{8,207} + p_{8,111})\end{aligned}}$$

$$p_{9,160} = \frac{1}{2}p_{8,160} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,160}^2 - 4(p_{8,32} + p_{8,16} + p_{8,104} + p_{8,216} + p_{8,248} + p_{8,164}\\ &+ p_{8,228} + p_{7,116} + p_{8,204} + p_{7,28} + p_{8,92} + 2p_{7,60} + p_{8,210} + p_{8,50}\\ &+ 3p_{8,242} + p_{8,10} + p_{8,154} + p_{8,90} + p_{8,230} + p_{7,46} + p_{8,238} + p_{8,190}\\ &+ p_{8,193} + p_{8,225} + p_{8,241} + p_{8,137} + p_{8,201} + 2p_{8,89} + p_{8,249} + p_{8,197}\\ &+ p_{8,21} + 2p_{8,149} + p_{8,213} + p_{8,13} + p_{8,77} + p_{8,157} + p_{8,221} + p_{8,189}\\ &+ 2p_{8,163} + p_{8,99} + p_{8,147} + p_{8,211} + p_{8,179} + p_{8,203} + p_{7,91} + p_{8,123}\\ &+ p_{8,135} + p_{8,199} + p_{7,39} + p_{8,79} + p_{8,239})\end{aligned}}$$

$$p_{9,416} = \frac{1}{2}p_{8,160} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,160}^2 - 4(p_{8,32} + p_{8,16} + p_{8,104} + p_{8,216} + p_{8,248} + p_{8,164}\\ &+ p_{8,228} + p_{7,116} + p_{8,204} + p_{7,28} + p_{8,92} + 2p_{7,60} + p_{8,210} + p_{8,50}\\ &+ 3p_{8,242} + p_{8,10} + p_{8,154} + p_{8,90} + p_{8,230} + p_{7,46} + p_{8,238} + p_{8,190}\\ &+ p_{8,193} + p_{8,225} + p_{8,241} + p_{8,137} + p_{8,201} + 2p_{8,89} + p_{8,249} + p_{8,197}\\ &+ p_{8,21} + 2p_{8,149} + p_{8,213} + p_{8,13} + p_{8,77} + p_{8,157} + p_{8,221} + p_{8,189}\\ &+ 2p_{8,163} + p_{8,99} + p_{8,147} + p_{8,211} + p_{8,179} + p_{8,203} + p_{7,91} + p_{8,123}\\ &+ p_{8,135} + p_{8,199} + p_{7,39} + p_{8,79} + p_{8,239})\end{aligned}}$$

$$p_{9,96} = \frac{1}{2}p_{8,96} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,96}^2 - 4(p_{8,224} + p_{8,208} + p_{8,40} + p_{8,152} + p_{8,184} + p_{8,164}\\ &+ p_{8,100} + p_{7,52} + p_{8,140} + p_{8,28} + p_{7,92} + 2p_{7,124} + p_{8,146} + 3p_{8,178}\\ &+ p_{8,242} + p_{8,202} + p_{8,26} + p_{8,90} + p_{8,166} + p_{8,174} + p_{7,110} + p_{8,126}\\ &+ p_{8,129} + p_{8,161} + p_{8,177} + p_{8,137} + p_{8,73} + 2p_{8,25} + p_{8,185} + p_{8,133}\\ &+ p_{8,149} + 2p_{8,85} + p_{8,213} + p_{8,13} + p_{8,205} + p_{8,157} + p_{8,93} + p_{8,125}\\ &+ p_{8,35} + 2p_{8,99} + p_{8,147} + p_{8,83} + p_{8,115} + p_{8,139} + p_{7,27} + p_{8,59}\\ &+ p_{8,135} + p_{8,71} + p_{7,103} + p_{8,15} + p_{8,175})\end{aligned}}$$

$$p_{9,352} = \frac{1}{2}p_{8,96} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,96}^2 - 4(p_{8,224} + p_{8,208} + p_{8,40} + p_{8,152} + p_{8,184} + p_{8,164}\\ &+ p_{8,100} + p_{7,52} + p_{8,140} + p_{8,28} + p_{7,92} + 2p_{7,124} + p_{8,146} + 3p_{8,178}\\ &+ p_{8,242} + p_{8,202} + p_{8,26} + p_{8,90} + p_{8,166} + p_{8,174} + p_{7,110} + p_{8,126}\\ &+ p_{8,129} + p_{8,161} + p_{8,177} + p_{8,137} + p_{8,73} + 2p_{8,25} + p_{8,185} + p_{8,133}\\ &+ p_{8,149} + 2p_{8,85} + p_{8,213} + p_{8,13} + p_{8,205} + p_{8,157} + p_{8,93} + p_{8,125}\\ &+ p_{8,35} + 2p_{8,99} + p_{8,147} + p_{8,83} + p_{8,115} + p_{8,139} + p_{7,27} + p_{8,59}\\ &+ p_{8,135} + p_{8,71} + p_{7,103} + p_{8,15} + p_{8,175})\end{aligned}}$$

$$p_{9,224} = \frac{1}{2}p_{8,224} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,224}^2 - 4(p_{8,96} + p_{8,80} + p_{8,168} + p_{8,24} + p_{8,56} + p_{8,36}\\ &+ p_{8,228} + p_{7,52} + p_{8,12} + p_{8,156} + p_{7,92} + 2p_{7,124} + p_{8,18} + 3p_{8,50}\\ &+ p_{8,114} + p_{8,74} + p_{8,154} + p_{8,218} + p_{8,38} + p_{8,46} + p_{7,110} + p_{8,254}\\ &+ p_{8,1} + p_{8,33} + p_{8,49} + p_{8,9} + p_{8,201} + 2p_{8,153} + p_{8,57} + p_{8,5}\\ &+ p_{8,21} + p_{8,85} + 2p_{8,213} + p_{8,141} + p_{8,77} + p_{8,29} + p_{8,221} + p_{8,253}\\ &+ p_{8,163} + 2p_{8,227} + p_{8,19} + p_{8,211} + p_{8,243} + p_{8,11} + p_{7,27} + p_{8,187}\\ &+ p_{8,7} + p_{8,199} + p_{7,103} + p_{8,143} + p_{8,47})\end{aligned}}$$

$$p_{9,480} = \frac{1}{2}p_{8,224} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,224}^2 - 4(p_{8,96} + p_{8,80} + p_{8,168} + p_{8,24} + p_{8,56} + p_{8,36}\\ &+ p_{8,228} + p_{7,52} + p_{8,12} + p_{8,156} + p_{7,92} + 2p_{7,124} + p_{8,18} + 3p_{8,50}\\ &+ p_{8,114} + p_{8,74} + p_{8,154} + p_{8,218} + p_{8,38} + p_{8,46} + p_{7,110} + p_{8,254}\\ &+ p_{8,1} + p_{8,33} + p_{8,49} + p_{8,9} + p_{8,201} + 2p_{8,153} + p_{8,57} + p_{8,5}\\ &+ p_{8,21} + p_{8,85} + 2p_{8,213} + p_{8,141} + p_{8,77} + p_{8,29} + p_{8,221} + p_{8,253}\\ &+ p_{8,163} + 2p_{8,227} + p_{8,19} + p_{8,211} + p_{8,243} + p_{8,11} + p_{7,27} + p_{8,187}\\ &+ p_{8,7} + p_{8,199} + p_{7,103} + p_{8,143} + p_{8,47})\end{aligned}}$$

$$p_{9,16} = \frac{1}{2}p_{8,16} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,16}^2 - 4(p_{8,128} + p_{8,144} + p_{8,72} + p_{8,104} + p_{8,216} + p_{7,100}\\ &+ p_{8,20} + p_{8,84} + p_{7,12} + p_{8,204} + 2p_{7,44} + p_{8,60} + p_{8,66} + p_{8,162}\\ &+ 3p_{8,98} + p_{8,10} + p_{8,202} + p_{8,122} + p_{8,86} + p_{8,46} + p_{7,30} + p_{8,94}\\ &+ p_{8,97} + p_{8,81} + p_{8,49} + 2p_{8,201} + p_{8,105} + p_{8,57} + p_{8,249} + 2p_{8,5}\\ &+ p_{8,133} + p_{8,69} + p_{8,53} + p_{8,13} + p_{8,77} + p_{8,45} + p_{8,189} + p_{8,125}\\ &+ p_{8,3} + p_{8,67} + p_{8,35} + 2p_{8,19} + p_{8,211} + p_{7,75} + p_{8,235} + p_{8,59}\\ &+ p_{7,23} + p_{8,55} + p_{8,247} + p_{8,95} + p_{8,191})\end{aligned}}$$

$$p_{9,272} = \frac{1}{2}p_{8,16} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,16}^2 - 4(p_{8,128} + p_{8,144} + p_{8,72} + p_{8,104} + p_{8,216} + p_{7,100}\\ &+ p_{8,20} + p_{8,84} + p_{7,12} + p_{8,204} + 2p_{7,44} + p_{8,60} + p_{8,66} + p_{8,162}\\ &+ 3p_{8,98} + p_{8,10} + p_{8,202} + p_{8,122} + p_{8,86} + p_{8,46} + p_{7,30} + p_{8,94}\\ &+ p_{8,97} + p_{8,81} + p_{8,49} + 2p_{8,201} + p_{8,105} + p_{8,57} + p_{8,249} + 2p_{8,5}\\ &+ p_{8,133} + p_{8,69} + p_{8,53} + p_{8,13} + p_{8,77} + p_{8,45} + p_{8,189} + p_{8,125}\\ &+ p_{8,3} + p_{8,67} + p_{8,35} + 2p_{8,19} + p_{8,211} + p_{7,75} + p_{8,235} + p_{8,59}\\ &+ p_{7,23} + p_{8,55} + p_{8,247} + p_{8,95} + p_{8,191})\end{aligned}}$$

$$p_{9,144} = \frac{1}{2}p_{8,144} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,144}^2 - 4(p_{8,0} + p_{8,16} + p_{8,200} + p_{8,232} + p_{8,88} + p_{7,100}\\ &+ p_{8,148} + p_{8,212} + p_{7,12} + p_{8,76} + 2p_{7,44} + p_{8,188} + p_{8,194} + p_{8,34}\\ &+ 3p_{8,226} + p_{8,138} + p_{8,74} + p_{8,250} + p_{8,214} + p_{8,174} + p_{7,30} + p_{8,222}\\ &+ p_{8,225} + p_{8,209} + p_{8,177} + 2p_{8,73} + p_{8,233} + p_{8,185} + p_{8,121} + p_{8,5}\\ &+ 2p_{8,133} + p_{8,197} + p_{8,181} + p_{8,141} + p_{8,205} + p_{8,173} + p_{8,61} + p_{8,253}\\ &+ p_{8,131} + p_{8,195} + p_{8,163} + 2p_{8,147} + p_{8,83} + p_{7,75} + p_{8,107} + p_{8,187}\\ &+ p_{7,23} + p_{8,183} + p_{8,119} + p_{8,223} + p_{8,63})\end{aligned}}$$

$$p_{9,400} = \frac{1}{2}p_{8,144} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,144}^2 - 4(p_{8,0} + p_{8,16} + p_{8,200} + p_{8,232} + p_{8,88} + p_{7,100}\\ &+ p_{8,148} + p_{8,212} + p_{7,12} + p_{8,76} + 2p_{7,44} + p_{8,188} + p_{8,194} + p_{8,34}\\ &+ 3p_{8,226} + p_{8,138} + p_{8,74} + p_{8,250} + p_{8,214} + p_{8,174} + p_{7,30} + p_{8,222}\\ &+ p_{8,225} + p_{8,209} + p_{8,177} + 2p_{8,73} + p_{8,233} + p_{8,185} + p_{8,121} + p_{8,5}\\ &+ 2p_{8,133} + p_{8,197} + p_{8,181} + p_{8,141} + p_{8,205} + p_{8,173} + p_{8,61} + p_{8,253}\\ &+ p_{8,131} + p_{8,195} + p_{8,163} + 2p_{8,147} + p_{8,83} + p_{7,75} + p_{8,107} + p_{8,187}\\ &+ p_{7,23} + p_{8,183} + p_{8,119} + p_{8,223} + p_{8,63})\end{aligned}}$$

$$p_{9,80} = \frac{1}{2}p_{8,80} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,80}^2 - 4(p_{8,192} + p_{8,208} + p_{8,136} + p_{8,168} + p_{8,24} + p_{7,36}\\ &+ p_{8,148} + p_{8,84} + p_{8,12} + p_{7,76} + 2p_{7,108} + p_{8,124} + p_{8,130} + 3p_{8,162}\\ &+ p_{8,226} + p_{8,10} + p_{8,74} + p_{8,186} + p_{8,150} + p_{8,110} + p_{8,158} + p_{7,94}\\ &+ p_{8,161} + p_{8,145} + p_{8,113} + 2p_{8,9} + p_{8,169} + p_{8,57} + p_{8,121} + p_{8,133}\\ &+ 2p_{8,69} + p_{8,197} + p_{8,117} + p_{8,141} + p_{8,77} + p_{8,109} + p_{8,189} + p_{8,253}\\ &+ p_{8,131} + p_{8,67} + p_{8,99} + p_{8,19} + 2p_{8,83} + p_{7,11} + p_{8,43} + p_{8,123}\\ &+ p_{7,87} + p_{8,55} + p_{8,119} + p_{8,159} + p_{8,255})\end{aligned}}$$

$$p_{9,336} = \frac{1}{2}p_{8,80} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,80}^2 - 4(p_{8,192} + p_{8,208} + p_{8,136} + p_{8,168} + p_{8,24} + p_{7,36}\\ &+ p_{8,148} + p_{8,84} + p_{8,12} + p_{7,76} + 2p_{7,108} + p_{8,124} + p_{8,130} + 3p_{8,162}\\ &+ p_{8,226} + p_{8,10} + p_{8,74} + p_{8,186} + p_{8,150} + p_{8,110} + p_{8,158} + p_{7,94}\\ &+ p_{8,161} + p_{8,145} + p_{8,113} + 2p_{8,9} + p_{8,169} + p_{8,57} + p_{8,121} + p_{8,133}\\ &+ 2p_{8,69} + p_{8,197} + p_{8,117} + p_{8,141} + p_{8,77} + p_{8,109} + p_{8,189} + p_{8,253}\\ &+ p_{8,131} + p_{8,67} + p_{8,99} + p_{8,19} + 2p_{8,83} + p_{7,11} + p_{8,43} + p_{8,123}\\ &+ p_{7,87} + p_{8,55} + p_{8,119} + p_{8,159} + p_{8,255})\end{aligned}}$$

$$p_{9,208} = \frac{1}{2}p_{8,208} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,208}^2 - 4(p_{8,64} + p_{8,80} + p_{8,8} + p_{8,40} + p_{8,152} + p_{7,36}\\ &+ p_{8,20} + p_{8,212} + p_{8,140} + p_{7,76} + 2p_{7,108} + p_{8,252} + p_{8,2} + 3p_{8,34}\\ &+ p_{8,98} + p_{8,138} + p_{8,202} + p_{8,58} + p_{8,22} + p_{8,238} + p_{8,30} + p_{7,94}\\ &+ p_{8,33} + p_{8,17} + p_{8,241} + 2p_{8,137} + p_{8,41} + p_{8,185} + p_{8,249} + p_{8,5}\\ &+ p_{8,69} + 2p_{8,197} + p_{8,245} + p_{8,13} + p_{8,205} + p_{8,237} + p_{8,61} + p_{8,125}\\ &+ p_{8,3} + p_{8,195} + p_{8,227} + p_{8,147} + 2p_{8,211} + p_{7,11} + p_{8,171} + p_{8,251}\\ &+ p_{7,87} + p_{8,183} + p_{8,247} + p_{8,31} + p_{8,127})\end{aligned}}$$

$$p_{9,464} = \frac{1}{2}p_{8,208} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,208}^2 - 4(p_{8,64} + p_{8,80} + p_{8,8} + p_{8,40} + p_{8,152} + p_{7,36}\\ &+ p_{8,20} + p_{8,212} + p_{8,140} + p_{7,76} + 2p_{7,108} + p_{8,252} + p_{8,2} + 3p_{8,34}\\ &+ p_{8,98} + p_{8,138} + p_{8,202} + p_{8,58} + p_{8,22} + p_{8,238} + p_{8,30} + p_{7,94}\\ &+ p_{8,33} + p_{8,17} + p_{8,241} + 2p_{8,137} + p_{8,41} + p_{8,185} + p_{8,249} + p_{8,5}\\ &+ p_{8,69} + 2p_{8,197} + p_{8,245} + p_{8,13} + p_{8,205} + p_{8,237} + p_{8,61} + p_{8,125}\\ &+ p_{8,3} + p_{8,195} + p_{8,227} + p_{8,147} + 2p_{8,211} + p_{7,11} + p_{8,171} + p_{8,251}\\ &+ p_{7,87} + p_{8,183} + p_{8,247} + p_{8,31} + p_{8,127})\end{aligned}}$$

$$p_{9,48} = \frac{1}{2}p_{8,48} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,48}^2 - 4(p_{8,160} + p_{8,176} + p_{8,136} + p_{8,104} + p_{8,248} + p_{7,4}\\ &+ p_{8,52} + p_{8,116} + 2p_{7,76} + p_{7,44} + p_{8,236} + p_{8,92} + 3p_{8,130} + p_{8,194}\\ &+ p_{8,98} + p_{8,42} + p_{8,234} + p_{8,154} + p_{8,118} + p_{8,78} + p_{7,62} + p_{8,126}\\ &+ p_{8,129} + p_{8,81} + p_{8,113} + p_{8,137} + 2p_{8,233} + p_{8,25} + p_{8,89} + 2p_{8,37}\\ &+ p_{8,165} + p_{8,101} + p_{8,85} + p_{8,77} + p_{8,45} + p_{8,109} + p_{8,157} + p_{8,221}\\ &+ p_{8,67} + p_{8,35} + p_{8,99} + 2p_{8,51} + p_{8,243} + p_{8,11} + p_{7,107} + p_{8,91}\\ &+ p_{8,23} + p_{8,87} + p_{7,55} + p_{8,223} + p_{8,127})\end{aligned}}$$

$$p_{9,304} = \frac{1}{2}p_{8,48} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,48}^2 - 4(p_{8,160} + p_{8,176} + p_{8,136} + p_{8,104} + p_{8,248} + p_{7,4}\\ &+ p_{8,52} + p_{8,116} + 2p_{7,76} + p_{7,44} + p_{8,236} + p_{8,92} + 3p_{8,130} + p_{8,194}\\ &+ p_{8,98} + p_{8,42} + p_{8,234} + p_{8,154} + p_{8,118} + p_{8,78} + p_{7,62} + p_{8,126}\\ &+ p_{8,129} + p_{8,81} + p_{8,113} + p_{8,137} + 2p_{8,233} + p_{8,25} + p_{8,89} + 2p_{8,37}\\ &+ p_{8,165} + p_{8,101} + p_{8,85} + p_{8,77} + p_{8,45} + p_{8,109} + p_{8,157} + p_{8,221}\\ &+ p_{8,67} + p_{8,35} + p_{8,99} + 2p_{8,51} + p_{8,243} + p_{8,11} + p_{7,107} + p_{8,91}\\ &+ p_{8,23} + p_{8,87} + p_{7,55} + p_{8,223} + p_{8,127})\end{aligned}}$$

$$p_{9,176} = \frac{1}{2}p_{8,176} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,176}^2 - 4(p_{8,32} + p_{8,48} + p_{8,8} + p_{8,232} + p_{8,120} + p_{7,4}\\ &+ p_{8,180} + p_{8,244} + 2p_{7,76} + p_{7,44} + p_{8,108} + p_{8,220} + 3p_{8,2} + p_{8,66}\\ &+ p_{8,226} + p_{8,170} + p_{8,106} + p_{8,26} + p_{8,246} + p_{8,206} + p_{7,62} + p_{8,254}\\ &+ p_{8,1} + p_{8,209} + p_{8,241} + p_{8,9} + 2p_{8,105} + p_{8,153} + p_{8,217} + p_{8,37}\\ &+ 2p_{8,165} + p_{8,229} + p_{8,213} + p_{8,205} + p_{8,173} + p_{8,237} + p_{8,29} + p_{8,93}\\ &+ p_{8,195} + p_{8,163} + p_{8,227} + 2p_{8,179} + p_{8,115} + p_{8,139} + p_{7,107}\\ &+ p_{8,219} + p_{8,151} + p_{8,215} + p_{7,55} + p_{8,95} + p_{8,255})\end{aligned}}$$

$$p_{9,432} = \frac{1}{2}p_{8,176} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,176}^2 - 4(p_{8,32} + p_{8,48} + p_{8,8} + p_{8,232} + p_{8,120} + p_{7,4}\\ &+ p_{8,180} + p_{8,244} + 2p_{7,76} + p_{7,44} + p_{8,108} + p_{8,220} + 3p_{8,2} + p_{8,66}\\ &+ p_{8,226} + p_{8,170} + p_{8,106} + p_{8,26} + p_{8,246} + p_{8,206} + p_{7,62} + p_{8,254}\\ &+ p_{8,1} + p_{8,209} + p_{8,241} + p_{8,9} + 2p_{8,105} + p_{8,153} + p_{8,217} + p_{8,37}\\ &+ 2p_{8,165} + p_{8,229} + p_{8,213} + p_{8,205} + p_{8,173} + p_{8,237} + p_{8,29} + p_{8,93}\\ &+ p_{8,195} + p_{8,163} + p_{8,227} + 2p_{8,179} + p_{8,115} + p_{8,139} + p_{7,107}\\ &+ p_{8,219} + p_{8,151} + p_{8,215} + p_{7,55} + p_{8,95} + p_{8,255})\end{aligned}}$$

$$p_{9,112} = \frac{1}{2}p_{8,112} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,112}^2 - 4(p_{8,224} + p_{8,240} + p_{8,200} + p_{8,168} + p_{8,56} + p_{7,68}\\ &+ p_{8,180} + p_{8,116} + 2p_{7,12} + p_{8,44} + p_{7,108} + p_{8,156} + p_{8,2} + 3p_{8,194}\\ &+ p_{8,162} + p_{8,42} + p_{8,106} + p_{8,218} + p_{8,182} + p_{8,142} + p_{8,190} + p_{7,126}\\ &+ p_{8,193} + p_{8,145} + p_{8,177} + p_{8,201} + 2p_{8,41} + p_{8,153} + p_{8,89} + p_{8,165}\\ &+ 2p_{8,101} + p_{8,229} + p_{8,149} + p_{8,141} + p_{8,173} + p_{8,109} + p_{8,29} + p_{8,221}\\ &+ p_{8,131} + p_{8,163} + p_{8,99} + p_{8,51} + 2p_{8,115} + p_{8,75} + p_{7,43} + p_{8,155}\\ &+ p_{8,151} + p_{8,87} + p_{7,119} + p_{8,31} + p_{8,191})\end{aligned}}$$

$$p_{9,368} = \frac{1}{2}p_{8,112} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,112}^2 - 4(p_{8,224} + p_{8,240} + p_{8,200} + p_{8,168} + p_{8,56} + p_{7,68}\\ &+ p_{8,180} + p_{8,116} + 2p_{7,12} + p_{8,44} + p_{7,108} + p_{8,156} + p_{8,2} + 3p_{8,194}\\ &+ p_{8,162} + p_{8,42} + p_{8,106} + p_{8,218} + p_{8,182} + p_{8,142} + p_{8,190} + p_{7,126}\\ &+ p_{8,193} + p_{8,145} + p_{8,177} + p_{8,201} + 2p_{8,41} + p_{8,153} + p_{8,89} + p_{8,165}\\ &+ 2p_{8,101} + p_{8,229} + p_{8,149} + p_{8,141} + p_{8,173} + p_{8,109} + p_{8,29} + p_{8,221}\\ &+ p_{8,131} + p_{8,163} + p_{8,99} + p_{8,51} + 2p_{8,115} + p_{8,75} + p_{7,43} + p_{8,155}\\ &+ p_{8,151} + p_{8,87} + p_{7,119} + p_{8,31} + p_{8,191})\end{aligned}}$$

$$p_{9,240} = \frac{1}{2}p_{8,240} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,240}^2 - 4(p_{8,96} + p_{8,112} + p_{8,72} + p_{8,40} + p_{8,184} + p_{7,68}\\ &+ p_{8,52} + p_{8,244} + 2p_{7,12} + p_{8,172} + p_{7,108} + p_{8,28} + p_{8,130} + 3p_{8,66}\\ &+ p_{8,34} + p_{8,170} + p_{8,234} + p_{8,90} + p_{8,54} + p_{8,14} + p_{8,62} + p_{7,126}\\ &+ p_{8,65} + p_{8,17} + p_{8,49} + p_{8,73} + 2p_{8,169} + p_{8,25} + p_{8,217} + p_{8,37}\\ &+ p_{8,101} + 2p_{8,229} + p_{8,21} + p_{8,13} + p_{8,45} + p_{8,237} + p_{8,157} + p_{8,93}\\ &+ p_{8,3} + p_{8,35} + p_{8,227} + p_{8,179} + 2p_{8,243} + p_{8,203} + p_{7,43} + p_{8,27}\\ &+ p_{8,23} + p_{8,215} + p_{7,119} + p_{8,159} + p_{8,63})\end{aligned}}$$

$$p_{9,496} = \frac{1}{2}p_{8,240} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,240}^2 - 4(p_{8,96} + p_{8,112} + p_{8,72} + p_{8,40} + p_{8,184} + p_{7,68}\\ &+ p_{8,52} + p_{8,244} + 2p_{7,12} + p_{8,172} + p_{7,108} + p_{8,28} + p_{8,130} + 3p_{8,66}\\ &+ p_{8,34} + p_{8,170} + p_{8,234} + p_{8,90} + p_{8,54} + p_{8,14} + p_{8,62} + p_{7,126}\\ &+ p_{8,65} + p_{8,17} + p_{8,49} + p_{8,73} + 2p_{8,169} + p_{8,25} + p_{8,217} + p_{8,37}\\ &+ p_{8,101} + 2p_{8,229} + p_{8,21} + p_{8,13} + p_{8,45} + p_{8,237} + p_{8,157} + p_{8,93}\\ &+ p_{8,3} + p_{8,35} + p_{8,227} + p_{8,179} + 2p_{8,243} + p_{8,203} + p_{7,43} + p_{8,27}\\ &+ p_{8,23} + p_{8,215} + p_{7,119} + p_{8,159} + p_{8,63})\end{aligned}}$$

$$p_{9,8} = \frac{1}{2}p_{8,8} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,8}^2 - 4(p_{8,64} + p_{8,96} + p_{8,208} + p_{8,136} + p_{8,120} + p_{7,4}\\ &+ p_{8,196} + 2p_{7,36} + p_{8,52} + p_{8,12} + p_{8,76} + p_{7,92} + p_{8,2} + p_{8,194}\\ &+ p_{8,114} + p_{8,154} + 3p_{8,90} + p_{8,58} + p_{8,38} + p_{7,22} + p_{8,86} + p_{8,78}\\ &+ 2p_{8,193} + p_{8,97} + p_{8,49} + p_{8,241} + p_{8,73} + p_{8,41} + p_{8,89} + p_{8,5}\\ &+ p_{8,69} + p_{8,37} + p_{8,181} + p_{8,117} + p_{8,45} + p_{8,61} + p_{8,125} + 2p_{8,253}\\ &+ p_{7,67} + p_{8,227} + p_{8,51} + 2p_{8,11} + p_{8,203} + p_{8,27} + p_{8,59} + p_{8,251}\\ &+ p_{8,87} + p_{8,183} + p_{7,15} + p_{8,47} + p_{8,239})\end{aligned}}$$

$$p_{9,264} = \frac{1}{2}p_{8,8} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,8}^2 - 4(p_{8,64} + p_{8,96} + p_{8,208} + p_{8,136} + p_{8,120} + p_{7,4}\\ &+ p_{8,196} + 2p_{7,36} + p_{8,52} + p_{8,12} + p_{8,76} + p_{7,92} + p_{8,2} + p_{8,194}\\ &+ p_{8,114} + p_{8,154} + 3p_{8,90} + p_{8,58} + p_{8,38} + p_{7,22} + p_{8,86} + p_{8,78}\\ &+ 2p_{8,193} + p_{8,97} + p_{8,49} + p_{8,241} + p_{8,73} + p_{8,41} + p_{8,89} + p_{8,5}\\ &+ p_{8,69} + p_{8,37} + p_{8,181} + p_{8,117} + p_{8,45} + p_{8,61} + p_{8,125} + 2p_{8,253}\\ &+ p_{7,67} + p_{8,227} + p_{8,51} + 2p_{8,11} + p_{8,203} + p_{8,27} + p_{8,59} + p_{8,251}\\ &+ p_{8,87} + p_{8,183} + p_{7,15} + p_{8,47} + p_{8,239})\end{aligned}}$$

$$p_{9,136} = \frac{1}{2}p_{8,136} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,136}^2 - 4(p_{8,192} + p_{8,224} + p_{8,80} + p_{8,8} + p_{8,248} + p_{7,4}\\&+ p_{8,68} + 2p_{7,36} + p_{8,180} + p_{8,140} + p_{8,204} + p_{7,92} + p_{8,130} + p_{8,66}\\&+ p_{8,242} + p_{8,26} + 3p_{8,218} + p_{8,186} + p_{8,166} + p_{7,22} + p_{8,214} + p_{8,206}\\&+ 2p_{8,65} + p_{8,225} + p_{8,177} + p_{8,113} + p_{8,201} + p_{8,169} + p_{8,217} + p_{8,133}\\&+ p_{8,197} + p_{8,165} + p_{8,53} + p_{8,245} + p_{8,173} + p_{8,189} + 2p_{8,125} + p_{8,253}\\&+ p_{7,67} + p_{8,99} + p_{8,179} + 2p_{8,139} + p_{8,75} + p_{8,155} + p_{8,187} + p_{8,123}\\&+ p_{8,215} + p_{8,55} + p_{7,15} + p_{8,175} + p_{8,111})\end{aligned}}$$

$$p_{9,392} = \frac{1}{2}p_{8,136} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,136}^2 - 4(p_{8,192} + p_{8,224} + p_{8,80} + p_{8,8} + p_{8,248} + p_{7,4}\\&+ p_{8,68} + 2p_{7,36} + p_{8,180} + p_{8,140} + p_{8,204} + p_{7,92} + p_{8,130} + p_{8,66}\\&+ p_{8,242} + p_{8,26} + 3p_{8,218} + p_{8,186} + p_{8,166} + p_{7,22} + p_{8,214} + p_{8,206}\\&+ 2p_{8,65} + p_{8,225} + p_{8,177} + p_{8,113} + p_{8,201} + p_{8,169} + p_{8,217} + p_{8,133}\\&+ p_{8,197} + p_{8,165} + p_{8,53} + p_{8,245} + p_{8,173} + p_{8,189} + 2p_{8,125} + p_{8,253}\\&+ p_{7,67} + p_{8,99} + p_{8,179} + 2p_{8,139} + p_{8,75} + p_{8,155} + p_{8,187} + p_{8,123}\\&+ p_{8,215} + p_{8,55} + p_{7,15} + p_{8,175} + p_{8,111})\end{aligned}}$$

$$p_{9,72} = \frac{1}{2}p_{8,72} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,72}^2 - 4(p_{8,128} + p_{8,160} + p_{8,16} + p_{8,200} + p_{8,184} + p_{8,4}\\&+ p_{7,68} + 2p_{7,100} + p_{8,116} + p_{8,140} + p_{8,76} + p_{7,28} + p_{8,2} + p_{8,66}\\&+ p_{8,178} + 3p_{8,154} + p_{8,218} + p_{8,122} + p_{8,102} + p_{8,150} + p_{7,86}\\&+ p_{8,142} + 2p_{8,1} + p_{8,161} + p_{8,49} + p_{8,113} + p_{8,137} + p_{8,105} + p_{8,153}\\&+ p_{8,133} + p_{8,69} + p_{8,101} + p_{8,181} + p_{8,245} + p_{8,109} + 2p_{8,61} + p_{8,189}\\&+ p_{8,125} + p_{7,3} + p_{8,35} + p_{8,115} + p_{8,11} + 2p_{8,75} + p_{8,91} + p_{8,59}\\&+ p_{8,123} + p_{8,151} + p_{8,247} + p_{7,79} + p_{8,47} + p_{8,111})\end{aligned}}$$

$$p_{9,328} = \frac{1}{2}p_{8,72} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,72}^2 - 4(p_{8,128} + p_{8,160} + p_{8,16} + p_{8,200} + p_{8,184} + p_{8,4}\\&+ p_{7,68} + 2p_{7,100} + p_{8,116} + p_{8,140} + p_{8,76} + p_{7,28} + p_{8,2} + p_{8,66}\\&+ p_{8,178} + 3p_{8,154} + p_{8,218} + p_{8,122} + p_{8,102} + p_{8,150} + p_{7,86}\\&+ p_{8,142} + 2p_{8,1} + p_{8,161} + p_{8,49} + p_{8,113} + p_{8,137} + p_{8,105} + p_{8,153}\\&+ p_{8,133} + p_{8,69} + p_{8,101} + p_{8,181} + p_{8,245} + p_{8,109} + 2p_{8,61} + p_{8,189}\\&+ p_{8,125} + p_{7,3} + p_{8,35} + p_{8,115} + p_{8,11} + 2p_{8,75} + p_{8,91} + p_{8,59}\\&+ p_{8,123} + p_{8,151} + p_{8,247} + p_{7,79} + p_{8,47} + p_{8,111})\end{aligned}}$$

$$p_{9,200} = \frac{1}{2}p_{8,200} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,200}^2 - 4(p_{8,0} + p_{8,32} + p_{8,144} + p_{8,72} + p_{8,56} + p_{8,132}\\&+ p_{7,68} + 2p_{7,100} + p_{8,244} + p_{8,12} + p_{8,204} + p_{7,28} + p_{8,130} + p_{8,194}\\&+ p_{8,50} + 3p_{8,26} + p_{8,90} + p_{8,250} + p_{8,230} + p_{8,22} + p_{7,86} + p_{8,14}\\&+ 2p_{8,129} + p_{8,33} + p_{8,177} + p_{8,241} + p_{8,9} + p_{8,233} + p_{8,25} + p_{8,5}\\&+ p_{8,197} + p_{8,229} + p_{8,53} + p_{8,117} + p_{8,237} + p_{8,61} + 2p_{8,189} + p_{8,253}\\&+ p_{7,3} + p_{8,163} + p_{8,243} + p_{8,139} + 2p_{8,203} + p_{8,219} + p_{8,187} + p_{8,251}\\&+ p_{8,23} + p_{8,119} + p_{7,79} + p_{8,175} + p_{8,239})\end{aligned}}$$

$$p_{9,456}=\frac{1}{2}p_{8,200}+\frac{1}{2}\sqrt{\begin{aligned}&p_{8,200}^2-4(p_{8,0}+p_{8,32}+p_{8,144}+p_{8,72}+p_{8,56}+p_{8,132}\\&+p_{7,68}+2p_{7,100}+p_{8,244}+p_{8,12}+p_{8,204}+p_{7,28}+p_{8,130}+p_{8,194}\\&+p_{8,50}+3p_{8,26}+p_{8,90}+p_{8,250}+p_{8,230}+p_{8,22}+p_{7,86}+p_{8,14}\\&+2p_{8,129}+p_{8,33}+p_{8,177}+p_{8,241}+p_{8,9}+p_{8,233}+p_{8,25}+p_{8,5}\\&+p_{8,197}+p_{8,229}+p_{8,53}+p_{8,117}+p_{8,237}+p_{8,61}+2p_{8,189}+p_{8,253}\\&+p_{7,3}+p_{8,163}+p_{8,243}+p_{8,139}+2p_{8,203}+p_{8,219}+p_{8,187}+p_{8,251}\\&+p_{8,23}+p_{8,119}+p_{7,79}+p_{8,175}+p_{8,239})\end{aligned}}$$

$$p_{9,40}=\frac{1}{2}p_{8,40}-\frac{1}{2}\sqrt{\begin{aligned}&p_{8,40}^2-4(p_{8,128}+p_{8,96}+p_{8,240}+p_{8,168}+p_{8,152}+2p_{7,68}\\&+p_{7,36}+p_{8,228}+p_{8,84}+p_{8,44}+p_{8,108}+p_{7,124}+p_{8,34}+p_{8,226}\\&+p_{8,146}+p_{8,90}+p_{8,186}+3p_{8,122}+p_{8,70}+p_{7,54}+p_{8,118}+p_{8,110}\\&+p_{8,129}+2p_{8,225}+p_{8,17}+p_{8,81}+p_{8,73}+p_{8,105}+p_{8,121}+p_{8,69}\\&+p_{8,37}+p_{8,101}+p_{8,149}+p_{8,213}+p_{8,77}+2p_{8,29}+p_{8,157}+p_{8,93}\\&+p_{8,3}+p_{7,99}+p_{8,83}+2p_{8,43}+p_{8,235}+p_{8,27}+p_{8,91}+p_{8,59}\\&+p_{8,215}+p_{8,119}+p_{8,15}+p_{8,79}+p_{7,47})\end{aligned}}$$

$$p_{9,296}=\frac{1}{2}p_{8,40}+\frac{1}{2}\sqrt{\begin{aligned}&p_{8,40}^2-4(p_{8,128}+p_{8,96}+p_{8,240}+p_{8,168}+p_{8,152}+2p_{7,68}\\&+p_{7,36}+p_{8,228}+p_{8,84}+p_{8,44}+p_{8,108}+p_{7,124}+p_{8,34}+p_{8,226}\\&+p_{8,146}+p_{8,90}+p_{8,186}+3p_{8,122}+p_{8,70}+p_{7,54}+p_{8,118}+p_{8,110}\\&+p_{8,129}+2p_{8,225}+p_{8,17}+p_{8,81}+p_{8,73}+p_{8,105}+p_{8,121}+p_{8,69}\\&+p_{8,37}+p_{8,101}+p_{8,149}+p_{8,213}+p_{8,77}+2p_{8,29}+p_{8,157}+p_{8,93}\\&+p_{8,3}+p_{7,99}+p_{8,83}+2p_{8,43}+p_{8,235}+p_{8,27}+p_{8,91}+p_{8,59}\\&+p_{8,215}+p_{8,119}+p_{8,15}+p_{8,79}+p_{7,47})\end{aligned}}$$

$$p_{9,168}=\frac{1}{2}p_{8,168}-\frac{1}{2}\sqrt{\begin{aligned}&p_{8,168}^2-4(p_{8,0}+p_{8,224}+p_{8,112}+p_{8,40}+p_{8,24}+2p_{7,68}\\&+p_{7,36}+p_{8,100}+p_{8,212}+p_{8,172}+p_{8,236}+p_{7,124}+p_{8,162}+p_{8,98}\\&+p_{8,18}+p_{8,218}+p_{8,58}+3p_{8,250}+p_{8,198}+p_{7,54}+p_{8,246}+p_{8,238}\\&+p_{8,1}+2p_{8,97}+p_{8,145}+p_{8,209}+p_{8,201}+p_{8,233}+p_{8,249}+p_{8,197}\\&+p_{8,165}+p_{8,229}+p_{8,21}+p_{8,85}+p_{8,205}+p_{8,29}+2p_{8,157}+p_{8,221}\\&+p_{8,131}+p_{7,99}+p_{8,211}+2p_{8,171}+p_{8,107}+p_{8,155}+p_{8,219}+p_{8,187}\\&+p_{8,87}+p_{8,247}+p_{8,143}+p_{8,207}+p_{7,47})\end{aligned}}$$

$$p_{9,424}=\frac{1}{2}p_{8,168}+\frac{1}{2}\sqrt{\begin{aligned}&p_{8,168}^2-4(p_{8,0}+p_{8,224}+p_{8,112}+p_{8,40}+p_{8,24}+2p_{7,68}\\&+p_{7,36}+p_{8,100}+p_{8,212}+p_{8,172}+p_{8,236}+p_{7,124}+p_{8,162}+p_{8,98}\\&+p_{8,18}+p_{8,218}+p_{8,58}+3p_{8,250}+p_{8,198}+p_{7,54}+p_{8,246}+p_{8,238}\\&+p_{8,1}+2p_{8,97}+p_{8,145}+p_{8,209}+p_{8,201}+p_{8,233}+p_{8,249}+p_{8,197}\\&+p_{8,165}+p_{8,229}+p_{8,21}+p_{8,85}+p_{8,205}+p_{8,29}+2p_{8,157}+p_{8,221}\\&+p_{8,131}+p_{7,99}+p_{8,211}+2p_{8,171}+p_{8,107}+p_{8,155}+p_{8,219}+p_{8,187}\\&+p_{8,87}+p_{8,247}+p_{8,143}+p_{8,207}+p_{7,47})\end{aligned}}$$

$$p_{9,104} = \frac{1}{2}p_{8,104} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,104}^2 - 4(p_{8,192} + p_{8,160} + p_{8,48} + p_{8,232} + p_{8,216} + 2p_{7,4}\\&+ p_{8,36} + p_{7,100} + p_{8,148} + p_{8,172} + p_{8,108} + p_{7,60} + p_{8,34} + p_{8,98}\\&+ p_{8,210} + p_{8,154} + 3p_{8,186} + p_{8,250} + p_{8,134} + p_{8,182} + p_{7,118}\\&+ p_{8,174} + p_{8,193} + 2p_{8,33} + p_{8,145} + p_{8,81} + p_{8,137} + p_{8,169} + p_{8,185}\\&+ p_{8,133} + p_{8,165} + p_{8,101} + p_{8,21} + p_{8,213} + p_{8,141} + p_{8,157} + 2p_{8,93}\\&+ p_{8,221} + p_{8,67} + p_{7,35} + p_{8,147} + p_{8,43} + 2p_{8,107} + p_{8,155} + p_{8,91}\\&+ p_{8,123} + p_{8,23} + p_{8,183} + p_{8,143} + p_{8,79} + p_{7,111})\end{aligned}}$$

$$p_{9,360} = \frac{1}{2}p_{8,104} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,104}^2 - 4(p_{8,192} + p_{8,160} + p_{8,48} + p_{8,232} + p_{8,216} + 2p_{7,4}\\&+ p_{8,36} + p_{7,100} + p_{8,148} + p_{8,172} + p_{8,108} + p_{7,60} + p_{8,34} + p_{8,98}\\&+ p_{8,210} + p_{8,154} + 3p_{8,186} + p_{8,250} + p_{8,134} + p_{8,182} + p_{7,118}\\&+ p_{8,174} + p_{8,193} + 2p_{8,33} + p_{8,145} + p_{8,81} + p_{8,137} + p_{8,169} + p_{8,185}\\&+ p_{8,133} + p_{8,165} + p_{8,101} + p_{8,21} + p_{8,213} + p_{8,141} + p_{8,157} + 2p_{8,93}\\&+ p_{8,221} + p_{8,67} + p_{7,35} + p_{8,147} + p_{8,43} + 2p_{8,107} + p_{8,155} + p_{8,91}\\&+ p_{8,123} + p_{8,23} + p_{8,183} + p_{8,143} + p_{8,79} + p_{7,111})\end{aligned}}$$

$$p_{9,232} = \frac{1}{2}p_{8,232} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,232}^2 - 4(p_{8,64} + p_{8,32} + p_{8,176} + p_{8,104} + p_{8,88} + 2p_{7,4}\\&+ p_{8,164} + p_{7,100} + p_{8,20} + p_{8,44} + p_{8,236} + p_{7,60} + p_{8,162} + p_{8,226}\\&+ p_{8,82} + p_{8,26} + 3p_{8,58} + p_{8,122} + p_{8,6} + p_{8,54} + p_{7,118} + p_{8,46}\\&+ p_{8,65} + 2p_{8,161} + p_{8,17} + p_{8,209} + p_{8,9} + p_{8,41} + p_{8,57} + p_{8,5}\\&+ p_{8,37} + p_{8,229} + p_{8,149} + p_{8,85} + p_{8,13} + p_{8,29} + p_{8,93} + 2p_{8,221}\\&+ p_{8,195} + p_{7,35} + p_{8,19} + p_{8,171} + 2p_{8,235} + p_{8,27} + p_{8,219} + p_{8,251}\\&+ p_{8,151} + p_{8,55} + p_{8,15} + p_{8,207} + p_{7,111})\end{aligned}}$$

$$p_{9,488} = \frac{1}{2}p_{8,232} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,232}^2 - 4(p_{8,64} + p_{8,32} + p_{8,176} + p_{8,104} + p_{8,88} + 2p_{7,4}\\&+ p_{8,164} + p_{7,100} + p_{8,20} + p_{8,44} + p_{8,236} + p_{7,60} + p_{8,162} + p_{8,226}\\&+ p_{8,82} + p_{8,26} + 3p_{8,58} + p_{8,122} + p_{8,6} + p_{8,54} + p_{7,118} + p_{8,46}\\&+ p_{8,65} + 2p_{8,161} + p_{8,17} + p_{8,209} + p_{8,9} + p_{8,41} + p_{8,57} + p_{8,5}\\&+ p_{8,37} + p_{8,229} + p_{8,149} + p_{8,85} + p_{8,13} + p_{8,29} + p_{8,93} + 2p_{8,221}\\&+ p_{8,195} + p_{7,35} + p_{8,19} + p_{8,171} + 2p_{8,235} + p_{8,27} + p_{8,219} + p_{8,251}\\&+ p_{8,151} + p_{8,55} + p_{8,15} + p_{8,207} + p_{7,111})\end{aligned}}$$

$$p_{9,24} = \frac{1}{2}p_{8,24} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,24}^2 - 4(p_{8,224} + p_{8,80} + p_{8,112} + p_{8,136} + p_{8,152} + p_{8,68}\\&+ p_{7,20} + p_{8,212} + 2p_{7,52} + p_{7,108} + p_{8,28} + p_{8,92} + p_{8,130} + p_{8,18}\\&+ p_{8,210} + p_{8,74} + p_{8,170} + 3p_{8,106} + p_{7,38} + p_{8,102} + p_{8,54} + p_{8,94}\\&+ p_{8,1} + p_{8,65} + 2p_{8,209} + p_{8,113} + p_{8,105} + p_{8,89} + p_{8,57} + p_{8,133}\\&+ p_{8,197} + p_{8,21} + p_{8,85} + p_{8,53} + 2p_{8,13} + p_{8,141} + p_{8,77} + p_{8,61}\\&+ p_{8,67} + p_{7,83} + p_{8,243} + p_{8,11} + p_{8,75} + p_{8,43} + 2p_{8,27} + p_{8,219}\\&+ p_{8,199} + p_{8,103} + p_{7,31} + p_{8,63} + p_{8,255})\end{aligned}}$$

$$p_{9,280} = \frac{1}{2}p_{8,24} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,24}^2 - 4(p_{8,224} + p_{8,80} + p_{8,112} + p_{8,136} + p_{8,152} + p_{8,68}\\ &+ p_{7,20} + p_{8,212} + 2p_{7,52} + p_{7,108} + p_{8,28} + p_{8,92} + p_{8,130} + p_{8,18}\\ &+ p_{8,210} + p_{8,74} + p_{8,170} + 3p_{8,106} + p_{7,38} + p_{8,102} + p_{8,54} + p_{8,94}\\ &+ p_{8,1} + p_{8,65} + 2p_{8,209} + p_{8,113} + p_{8,105} + p_{8,89} + p_{8,57} + p_{8,133}\\ &+ p_{8,197} + p_{8,21} + p_{8,85} + p_{8,53} + 2p_{8,13} + p_{8,141} + p_{8,77} + p_{8,61}\\ &+ p_{8,67} + p_{7,83} + p_{8,243} + p_{8,11} + p_{8,75} + p_{8,43} + 2p_{8,27} + p_{8,219}\\ &+ p_{8,199} + p_{8,103} + p_{7,31} + p_{8,63} + p_{8,255})\end{aligned}}$$

$$p_{9,152} = \frac{1}{2}p_{8,152} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,152}^2 - 4(p_{8,96} + p_{8,208} + p_{8,240} + p_{8,8} + p_{8,24} + p_{8,196}\\ &+ p_{7,20} + p_{8,84} + 2p_{7,52} + p_{7,108} + p_{8,156} + p_{8,220} + p_{8,2} + p_{8,146}\\ &+ p_{8,82} + p_{8,202} + p_{8,42} + 3p_{8,234} + p_{7,38} + p_{8,230} + p_{8,182} + p_{8,222}\\ &+ p_{8,129} + p_{8,193} + 2p_{8,81} + p_{8,241} + p_{8,233} + p_{8,217} + p_{8,185} + p_{8,5}\\ &+ p_{8,69} + p_{8,149} + p_{8,213} + p_{8,181} + p_{8,13} + 2p_{8,141} + p_{8,205} + p_{8,189}\\ &+ p_{8,195} + p_{7,83} + p_{8,115} + p_{8,139} + p_{8,203} + p_{8,171} + 2p_{8,155} + p_{8,91}\\ &+ p_{8,71} + p_{8,231} + p_{7,31} + p_{8,191} + p_{8,127})\end{aligned}}$$

$$p_{9,408} = \frac{1}{2}p_{8,152} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,152}^2 - 4(p_{8,96} + p_{8,208} + p_{8,240} + p_{8,8} + p_{8,24} + p_{8,196}\\ &+ p_{7,20} + p_{8,84} + 2p_{7,52} + p_{7,108} + p_{8,156} + p_{8,220} + p_{8,2} + p_{8,146}\\ &+ p_{8,82} + p_{8,202} + p_{8,42} + 3p_{8,234} + p_{7,38} + p_{8,230} + p_{8,182} + p_{8,222}\\ &+ p_{8,129} + p_{8,193} + 2p_{8,81} + p_{8,241} + p_{8,233} + p_{8,217} + p_{8,185} + p_{8,5}\\ &+ p_{8,69} + p_{8,149} + p_{8,213} + p_{8,181} + p_{8,13} + 2p_{8,141} + p_{8,205} + p_{8,189}\\ &+ p_{8,195} + p_{7,83} + p_{8,115} + p_{8,139} + p_{8,203} + p_{8,171} + 2p_{8,155} + p_{8,91}\\ &+ p_{8,71} + p_{8,231} + p_{7,31} + p_{8,191} + p_{8,127})\end{aligned}}$$

$$p_{9,88} = \frac{1}{2}p_{8,88} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,88}^2 - 4(p_{8,32} + p_{8,144} + p_{8,176} + p_{8,200} + p_{8,216} + p_{8,132}\\ &+ p_{8,20} + p_{7,84} + 2p_{7,116} + p_{7,44} + p_{8,156} + p_{8,92} + p_{8,194} + p_{8,18}\\ &+ p_{8,82} + p_{8,138} + 3p_{8,170} + p_{8,234} + p_{8,166} + p_{7,102} + p_{8,118}\\ &+ p_{8,158} + p_{8,129} + p_{8,65} + 2p_{8,17} + p_{8,177} + p_{8,169} + p_{8,153} + p_{8,121}\\ &+ p_{8,5} + p_{8,197} + p_{8,149} + p_{8,85} + p_{8,117} + p_{8,141} + 2p_{8,77} + p_{8,205}\\ &+ p_{8,125} + p_{8,131} + p_{7,19} + p_{8,51} + p_{8,139} + p_{8,75} + p_{8,107} + p_{8,27}\\ &+ 2p_{8,91} + p_{8,7} + p_{8,167} + p_{7,95} + p_{8,63} + p_{8,127})\end{aligned}}$$

$$p_{9,344} = \frac{1}{2}p_{8,88} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,88}^2 - 4(p_{8,32} + p_{8,144} + p_{8,176} + p_{8,200} + p_{8,216} + p_{8,132}\\ &+ p_{8,20} + p_{7,84} + 2p_{7,116} + p_{7,44} + p_{8,156} + p_{8,92} + p_{8,194} + p_{8,18}\\ &+ p_{8,82} + p_{8,138} + 3p_{8,170} + p_{8,234} + p_{8,166} + p_{7,102} + p_{8,118}\\ &+ p_{8,158} + p_{8,129} + p_{8,65} + 2p_{8,17} + p_{8,177} + p_{8,169} + p_{8,153} + p_{8,121}\\ &+ p_{8,5} + p_{8,197} + p_{8,149} + p_{8,85} + p_{8,117} + p_{8,141} + 2p_{8,77} + p_{8,205}\\ &+ p_{8,125} + p_{8,131} + p_{7,19} + p_{8,51} + p_{8,139} + p_{8,75} + p_{8,107} + p_{8,27}\\ &+ 2p_{8,91} + p_{8,7} + p_{8,167} + p_{7,95} + p_{8,63} + p_{8,127})\end{aligned}}$$

$$p_{9,216} = \frac{1}{2}p_{8,216} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,216}^2 - 4(p_{8,160} + p_{8,16} + p_{8,48} + p_{8,72} + p_{8,88} + p_{8,4}\\ &+ p_{8,148} + p_{7,84} + 2p_{7,116} + p_{7,44} + p_{8,28} + p_{8,220} + p_{8,66} + p_{8,146}\\ &+ p_{8,210} + p_{8,10} + 3p_{8,42} + p_{8,106} + p_{8,38} + p_{7,102} + p_{8,246} + p_{8,30}\\ &+ p_{8,1} + p_{8,193} + 2p_{8,145} + p_{8,49} + p_{8,41} + p_{8,25} + p_{8,249} + p_{8,133}\\ &+ p_{8,69} + p_{8,21} + p_{8,213} + p_{8,245} + p_{8,13} + p_{8,77} + 2p_{8,205} + p_{8,253}\\ &+ p_{8,3} + p_{7,19} + p_{8,179} + p_{8,11} + p_{8,203} + p_{8,235} + p_{8,155} + 2p_{8,219}\\ &+ p_{8,135} + p_{8,39} + p_{7,95} + p_{8,191} + p_{8,255})\end{aligned}}$$

$$p_{9,472} = \frac{1}{2}p_{8,216} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,216}^2 - 4(p_{8,160} + p_{8,16} + p_{8,48} + p_{8,72} + p_{8,88} + p_{8,4}\\ &+ p_{8,148} + p_{7,84} + 2p_{7,116} + p_{7,44} + p_{8,28} + p_{8,220} + p_{8,66} + p_{8,146}\\ &+ p_{8,210} + p_{8,10} + 3p_{8,42} + p_{8,106} + p_{8,38} + p_{7,102} + p_{8,246} + p_{8,30}\\ &+ p_{8,1} + p_{8,193} + 2p_{8,145} + p_{8,49} + p_{8,41} + p_{8,25} + p_{8,249} + p_{8,133}\\ &+ p_{8,69} + p_{8,21} + p_{8,213} + p_{8,245} + p_{8,13} + p_{8,77} + 2p_{8,205} + p_{8,253}\\ &+ p_{8,3} + p_{7,19} + p_{8,179} + p_{8,11} + p_{8,203} + p_{8,235} + p_{8,155} + 2p_{8,219}\\ &+ p_{8,135} + p_{8,39} + p_{7,95} + p_{8,191} + p_{8,255})\end{aligned}}$$

$$p_{9,56} = \frac{1}{2}p_{8,56} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,56}^2 - 4(p_{8,0} + p_{8,144} + p_{8,112} + p_{8,168} + p_{8,184} + p_{8,100}\\ &+ 2p_{7,84} + p_{7,52} + p_{8,244} + p_{7,12} + p_{8,60} + p_{8,124} + p_{8,162} + p_{8,50}\\ &+ p_{8,242} + 3p_{8,138} + p_{8,202} + p_{8,106} + p_{8,134} + p_{7,70} + p_{8,86} + p_{8,126}\\ &+ p_{8,33} + p_{8,97} + p_{8,145} + 2p_{8,241} + p_{8,137} + p_{8,89} + p_{8,121} + p_{8,165}\\ &+ p_{8,229} + p_{8,85} + p_{8,53} + p_{8,117} + 2p_{8,45} + p_{8,173} + p_{8,109} + p_{8,93}\\ &+ p_{8,99} + p_{8,19} + p_{7,115} + p_{8,75} + p_{8,43} + p_{8,107} + 2p_{8,59} + p_{8,251}\\ &+ p_{8,135} + p_{8,231} + p_{8,31} + p_{8,95} + p_{7,63})\end{aligned}}$$

$$p_{9,312} = \frac{1}{2}p_{8,56} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,56}^2 - 4(p_{8,0} + p_{8,144} + p_{8,112} + p_{8,168} + p_{8,184} + p_{8,100}\\ &+ 2p_{7,84} + p_{7,52} + p_{8,244} + p_{7,12} + p_{8,60} + p_{8,124} + p_{8,162} + p_{8,50}\\ &+ p_{8,242} + 3p_{8,138} + p_{8,202} + p_{8,106} + p_{8,134} + p_{7,70} + p_{8,86} + p_{8,126}\\ &+ p_{8,33} + p_{8,97} + p_{8,145} + 2p_{8,241} + p_{8,137} + p_{8,89} + p_{8,121} + p_{8,165}\\ &+ p_{8,229} + p_{8,85} + p_{8,53} + p_{8,117} + 2p_{8,45} + p_{8,173} + p_{8,109} + p_{8,93}\\ &+ p_{8,99} + p_{8,19} + p_{7,115} + p_{8,75} + p_{8,43} + p_{8,107} + 2p_{8,59} + p_{8,251}\\ &+ p_{8,135} + p_{8,231} + p_{8,31} + p_{8,95} + p_{7,63})\end{aligned}}$$

$$p_{9,184} = \frac{1}{2}p_{8,184} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,184}^2 - 4(p_{8,128} + p_{8,16} + p_{8,240} + p_{8,40} + p_{8,56} + p_{8,228}\\ &+ 2p_{7,84} + p_{7,52} + p_{8,116} + p_{7,12} + p_{8,188} + p_{8,252} + p_{8,34} + p_{8,178}\\ &+ p_{8,114} + 3p_{8,10} + p_{8,74} + p_{8,234} + p_{8,6} + p_{7,70} + p_{8,214} + p_{8,254}\\ &+ p_{8,161} + p_{8,225} + p_{8,17} + 2p_{8,113} + p_{8,9} + p_{8,217} + p_{8,249} + p_{8,37}\\ &+ p_{8,101} + p_{8,213} + p_{8,181} + p_{8,245} + p_{8,45} + 2p_{8,173} + p_{8,237} + p_{8,221}\\ &+ p_{8,227} + p_{8,147} + p_{7,115} + p_{8,203} + p_{8,171} + p_{8,235} + 2p_{8,187}\\ &+ p_{8,123} + p_{8,7} + p_{8,103} + p_{8,159} + p_{8,223} + p_{7,63})\end{aligned}}$$

$$p_{9,440} = \frac{1}{2}p_{8,184} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,184}^2 - 4(p_{8,128} + p_{8,16} + p_{8,240} + p_{8,40} + p_{8,56} + p_{8,228}\\&+ 2p_{7,84} + p_{7,52} + p_{8,116} + p_{7,12} + p_{8,188} + p_{8,252} + p_{8,34} + p_{8,178}\\&+ p_{8,114} + 3p_{8,10} + p_{8,74} + p_{8,234} + p_{8,6} + p_{7,70} + p_{8,214} + p_{8,254}\\&+ p_{8,161} + p_{8,225} + p_{8,17} + 2p_{8,113} + p_{8,9} + p_{8,217} + p_{8,249} + p_{8,37}\\&+ p_{8,101} + p_{8,213} + p_{8,181} + p_{8,245} + p_{8,45} + 2p_{8,173} + p_{8,237} + p_{8,221}\\&+ p_{8,227} + p_{8,147} + p_{7,115} + p_{8,203} + p_{8,171} + p_{8,235} + 2p_{8,187}\\&+ p_{8,123} + p_{8,7} + p_{8,103} + p_{8,159} + p_{8,223} + p_{7,63})\end{aligned}}$$

$$p_{9,120} = \frac{1}{2}p_{8,120} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,120}^2 - 4(p_{8,64} + p_{8,208} + p_{8,176} + p_{8,232} + p_{8,248} + p_{8,164}\\&+ 2p_{7,20} + p_{8,52} + p_{7,116} + p_{7,76} + p_{8,188} + p_{8,124} + p_{8,226} + p_{8,50}\\&+ p_{8,114} + p_{8,10} + 3p_{8,202} + p_{8,170} + p_{7,6} + p_{8,198} + p_{8,150} + p_{8,190}\\&+ p_{8,161} + p_{8,97} + p_{8,209} + 2p_{8,49} + p_{8,201} + p_{8,153} + p_{8,185} + p_{8,37}\\&+ p_{8,229} + p_{8,149} + p_{8,181} + p_{8,117} + p_{8,173} + 2p_{8,109} + p_{8,237}\\&+ p_{8,157} + p_{8,163} + p_{8,83} + p_{7,51} + p_{8,139} + p_{8,171} + p_{8,107} + p_{8,59}\\&+ 2p_{8,123} + p_{8,199} + p_{8,39} + p_{8,159} + p_{8,95} + p_{7,127})\end{aligned}}$$

$$p_{9,376} = \frac{1}{2}p_{8,120} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,120}^2 - 4(p_{8,64} + p_{8,208} + p_{8,176} + p_{8,232} + p_{8,248} + p_{8,164}\\&+ 2p_{7,20} + p_{8,52} + p_{7,116} + p_{7,76} + p_{8,188} + p_{8,124} + p_{8,226} + p_{8,50}\\&+ p_{8,114} + p_{8,10} + 3p_{8,202} + p_{8,170} + p_{7,6} + p_{8,198} + p_{8,150} + p_{8,190}\\&+ p_{8,161} + p_{8,97} + p_{8,209} + 2p_{8,49} + p_{8,201} + p_{8,153} + p_{8,185} + p_{8,37}\\&+ p_{8,229} + p_{8,149} + p_{8,181} + p_{8,117} + p_{8,173} + 2p_{8,109} + p_{8,237}\\&+ p_{8,157} + p_{8,163} + p_{8,83} + p_{7,51} + p_{8,139} + p_{8,171} + p_{8,107} + p_{8,59}\\&+ 2p_{8,123} + p_{8,199} + p_{8,39} + p_{8,159} + p_{8,95} + p_{7,127})\end{aligned}}$$

$$p_{9,248} = \frac{1}{2}p_{8,248} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,248}^2 - 4(p_{8,192} + p_{8,80} + p_{8,48} + p_{8,104} + p_{8,120} + p_{8,36}\\&+ 2p_{7,20} + p_{8,180} + p_{7,116} + p_{7,76} + p_{8,60} + p_{8,252} + p_{8,98} + p_{8,178}\\&+ p_{8,242} + p_{8,138} + 3p_{8,74} + p_{8,42} + p_{7,6} + p_{8,70} + p_{8,22} + p_{8,62}\\&+ p_{8,33} + p_{8,225} + p_{8,81} + 2p_{8,177} + p_{8,73} + p_{8,25} + p_{8,57} + p_{8,165}\\&+ p_{8,101} + p_{8,21} + p_{8,53} + p_{8,245} + p_{8,45} + p_{8,109} + 2p_{8,237} + p_{8,29}\\&+ p_{8,35} + p_{8,211} + p_{7,51} + p_{8,11} + p_{8,43} + p_{8,235} + p_{8,187} + 2p_{8,251}\\&+ p_{8,71} + p_{8,167} + p_{8,31} + p_{8,223} + p_{7,127})\end{aligned}}$$

$$p_{9,504} = \frac{1}{2}p_{8,248} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,248}^2 - 4(p_{8,192} + p_{8,80} + p_{8,48} + p_{8,104} + p_{8,120} + p_{8,36}\\&+ 2p_{7,20} + p_{8,180} + p_{7,116} + p_{7,76} + p_{8,60} + p_{8,252} + p_{8,98} + p_{8,178}\\&+ p_{8,242} + p_{8,138} + 3p_{8,74} + p_{8,42} + p_{7,6} + p_{8,70} + p_{8,22} + p_{8,62}\\&+ p_{8,33} + p_{8,225} + p_{8,81} + 2p_{8,177} + p_{8,73} + p_{8,25} + p_{8,57} + p_{8,165}\\&+ p_{8,101} + p_{8,21} + p_{8,53} + p_{8,245} + p_{8,45} + p_{8,109} + 2p_{8,237} + p_{8,29}\\&+ p_{8,35} + p_{8,211} + p_{7,51} + p_{8,11} + p_{8,43} + p_{8,235} + p_{8,187} + 2p_{8,251}\\&+ p_{8,71} + p_{8,167} + p_{8,31} + p_{8,223} + p_{7,127})\end{aligned}}$$

$$p_{9,4} = \frac{1}{2}p_{8,4} + \frac{1}{2}\sqrt{\begin{array}{l} p_{8,4}^2 - 4(p_{7,0} + p_{8,192} + 2p_{7,32} + p_{8,48} + p_{8,8} + p_{8,72} \\ + p_{7,88} + p_{8,132} + p_{8,116} + p_{8,204} + p_{8,92} + p_{8,60} + p_{8,34} + p_{7,18} \\ + p_{8,82} + p_{8,74} + p_{8,150} + 3p_{8,86} + p_{8,54} + p_{8,110} + p_{8,190} + p_{8,254} \\ + p_{8,1} + p_{8,65} + p_{8,33} + p_{8,177} + p_{8,113} + p_{8,41} + p_{8,57} + p_{8,121} \\ + 2p_{8,249} + p_{8,69} + p_{8,37} + p_{8,85} + p_{8,45} + p_{8,237} + p_{8,93} + 2p_{8,189} \\ + p_{8,83} + p_{8,179} + p_{7,11} + p_{8,43} + p_{8,235} + 2p_{8,7} + p_{8,199} + p_{8,23} \\ + p_{8,55} + p_{8,247} + p_{8,47} + p_{8,223} + p_{7,63}) \end{array}}$$

$$p_{9,260} = \frac{1}{2}p_{8,4} - \frac{1}{2}\sqrt{\begin{array}{l} p_{8,4}^2 - 4(p_{7,0} + p_{8,192} + 2p_{7,32} + p_{8,48} + p_{8,8} + p_{8,72} \\ + p_{7,88} + p_{8,132} + p_{8,116} + p_{8,204} + p_{8,92} + p_{8,60} + p_{8,34} + p_{7,18} \\ + p_{8,82} + p_{8,74} + p_{8,150} + 3p_{8,86} + p_{8,54} + p_{8,110} + p_{8,190} + p_{8,254} \\ + p_{8,1} + p_{8,65} + p_{8,33} + p_{8,177} + p_{8,113} + p_{8,41} + p_{8,57} + p_{8,121} \\ + 2p_{8,249} + p_{8,69} + p_{8,37} + p_{8,85} + p_{8,45} + p_{8,237} + p_{8,93} + 2p_{8,189} \\ + p_{8,83} + p_{8,179} + p_{7,11} + p_{8,43} + p_{8,235} + 2p_{8,7} + p_{8,199} + p_{8,23} \\ + p_{8,55} + p_{8,247} + p_{8,47} + p_{8,223} + p_{7,63}) \end{array}}$$

$$p_{9,132} = \frac{1}{2}p_{8,132} + \frac{1}{2}\sqrt{\begin{array}{l} p_{8,132}^2 - 4(p_{7,0} + p_{8,64} + 2p_{7,32} + p_{8,176} + p_{8,136} + p_{8,200} \\ + p_{7,88} + p_{8,4} + p_{8,244} + p_{8,76} + p_{8,220} + p_{8,188} + p_{8,162} + p_{7,18} \\ + p_{8,210} + p_{8,202} + p_{8,22} + 3p_{8,214} + p_{8,182} + p_{8,238} + p_{8,62} + p_{8,126} \\ + p_{8,129} + p_{8,193} + p_{8,161} + p_{8,49} + p_{8,241} + p_{8,169} + p_{8,185} + 2p_{8,121} \\ + p_{8,249} + p_{8,197} + p_{8,165} + p_{8,213} + p_{8,173} + p_{8,109} + p_{8,221} + 2p_{8,61} \\ + p_{8,211} + p_{8,51} + p_{7,11} + p_{8,171} + p_{8,107} + 2p_{8,135} + p_{8,71} + p_{8,151} \\ + p_{8,183} + p_{8,119} + p_{8,175} + p_{8,95} + p_{7,63}) \end{array}}$$

$$p_{9,388} = \frac{1}{2}p_{8,132} - \frac{1}{2}\sqrt{\begin{array}{l} p_{8,132}^2 - 4(p_{7,0} + p_{8,64} + 2p_{7,32} + p_{8,176} + p_{8,136} + p_{8,200} \\ + p_{7,88} + p_{8,4} + p_{8,244} + p_{8,76} + p_{8,220} + p_{8,188} + p_{8,162} + p_{7,18} \\ + p_{8,210} + p_{8,202} + p_{8,22} + 3p_{8,214} + p_{8,182} + p_{8,238} + p_{8,62} + p_{8,126} \\ + p_{8,129} + p_{8,193} + p_{8,161} + p_{8,49} + p_{8,241} + p_{8,169} + p_{8,185} + 2p_{8,121} \\ + p_{8,249} + p_{8,197} + p_{8,165} + p_{8,213} + p_{8,173} + p_{8,109} + p_{8,221} + 2p_{8,61} \\ + p_{8,211} + p_{8,51} + p_{7,11} + p_{8,171} + p_{8,107} + 2p_{8,135} + p_{8,71} + p_{8,151} \\ + p_{8,183} + p_{8,119} + p_{8,175} + p_{8,95} + p_{7,63}) \end{array}}$$

$$p_{9,68} = \frac{1}{2}p_{8,68} - \frac{1}{2}\sqrt{\begin{array}{l} p_{8,68}^2 - 4(p_{8,0} + p_{7,64} + 2p_{7,96} + p_{8,112} + p_{8,136} + p_{8,72} \\ + p_{7,24} + p_{8,196} + p_{8,180} + p_{8,12} + p_{8,156} + p_{8,124} + p_{8,98} + p_{8,146} \\ + p_{7,82} + p_{8,138} + 3p_{8,150} + p_{8,214} + p_{8,118} + p_{8,174} + p_{8,62} + p_{8,254} \\ + p_{8,129} + p_{8,65} + p_{8,97} + p_{8,177} + p_{8,241} + p_{8,105} + 2p_{8,57} + p_{8,185} \\ + p_{8,121} + p_{8,133} + p_{8,101} + p_{8,149} + p_{8,45} + p_{8,109} + p_{8,157} \\ + 2p_{8,253} + p_{8,147} + p_{8,243} + p_{7,75} + p_{8,43} + p_{8,107} + p_{8,7} + 2p_{8,71} \\ + p_{8,87} + p_{8,55} + p_{8,119} + p_{8,111} + p_{8,31} + p_{7,127}) \end{array}}$$

$$p_{9,324} = \frac{1}{2}p_{8,68} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,68}^2 - 4(p_{8,0} + p_{7,64} + 2p_{7,96} + p_{8,112} + p_{8,136} + p_{8,72}\\ &+ p_{7,24} + p_{8,196} + p_{8,180} + p_{8,12} + p_{8,156} + p_{8,124} + p_{8,98} + p_{8,146}\\ &+ p_{7,82} + p_{8,138} + 3p_{8,150} + p_{8,214} + p_{8,118} + p_{8,174} + p_{8,62} + p_{8,254}\\ &+ p_{8,129} + p_{8,65} + p_{8,97} + p_{8,177} + p_{8,241} + p_{8,105} + 2p_{8,57} + p_{8,185}\\ &+ p_{8,121} + p_{8,133} + p_{8,101} + p_{8,149} + p_{8,45} + p_{8,109} + p_{8,157}\\ &+ 2p_{8,253} + p_{8,147} + p_{8,243} + p_{7,75} + p_{8,43} + p_{8,107} + p_{8,7} + 2p_{8,71}\\ &+ p_{8,87} + p_{8,55} + p_{8,119} + p_{8,111} + p_{8,31} + p_{7,127})\end{aligned}}$$

$$p_{9,196} = \frac{1}{2}p_{8,196} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,196}^2 - 4(p_{8,128} + p_{7,64} + 2p_{7,96} + p_{8,240} + p_{8,8} + p_{8,200}\\ &+ p_{7,24} + p_{8,68} + p_{8,52} + p_{8,140} + p_{8,28} + p_{8,252} + p_{8,226} + p_{8,18}\\ &+ p_{7,82} + p_{8,10} + 3p_{8,22} + p_{8,86} + p_{8,246} + p_{8,46} + p_{8,190} + p_{8,126}\\ &+ p_{8,1} + p_{8,193} + p_{8,225} + p_{8,49} + p_{8,113} + p_{8,233} + p_{8,57} + 2p_{8,185}\\ &+ p_{8,249} + p_{8,5} + p_{8,229} + p_{8,21} + p_{8,173} + p_{8,237} + p_{8,29} + 2p_{8,125}\\ &+ p_{8,19} + p_{8,115} + p_{7,75} + p_{8,171} + p_{8,235} + p_{8,135} + 2p_{8,199} + p_{8,215}\\ &+ p_{8,183} + p_{8,247} + p_{8,239} + p_{8,159} + p_{7,127})\end{aligned}}$$

$$p_{9,452} = \frac{1}{2}p_{8,196} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,196}^2 - 4(p_{8,128} + p_{7,64} + 2p_{7,96} + p_{8,240} + p_{8,8} + p_{8,200}\\ &+ p_{7,24} + p_{8,68} + p_{8,52} + p_{8,140} + p_{8,28} + p_{8,252} + p_{8,226} + p_{8,18}\\ &+ p_{7,82} + p_{8,10} + 3p_{8,22} + p_{8,86} + p_{8,246} + p_{8,46} + p_{8,190} + p_{8,126}\\ &+ p_{8,1} + p_{8,193} + p_{8,225} + p_{8,49} + p_{8,113} + p_{8,233} + p_{8,57} + 2p_{8,185}\\ &+ p_{8,249} + p_{8,5} + p_{8,229} + p_{8,21} + p_{8,173} + p_{8,237} + p_{8,29} + 2p_{8,125}\\ &+ p_{8,19} + p_{8,115} + p_{7,75} + p_{8,171} + p_{8,235} + p_{8,135} + 2p_{8,199} + p_{8,215}\\ &+ p_{8,183} + p_{8,247} + p_{8,239} + p_{8,159} + p_{7,127})\end{aligned}}$$

$$p_{9,36} = \frac{1}{2}p_{8,36} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,36}^2 - 4(2p_{7,64} + p_{7,32} + p_{8,224} + p_{8,80} + p_{8,40} + p_{8,104}\\ &+ p_{7,120} + p_{8,164} + p_{8,148} + p_{8,236} + p_{8,92} + p_{8,124} + p_{8,66} + p_{7,50}\\ &+ p_{8,114} + p_{8,106} + p_{8,86} + p_{8,182} + 3p_{8,118} + p_{8,142} + p_{8,30}\\ &+ p_{8,222} + p_{8,65} + p_{8,33} + p_{8,97} + p_{8,145} + p_{8,209} + p_{8,73} + 2p_{8,25}\\ &+ p_{8,153} + p_{8,89} + p_{8,69} + p_{8,101} + p_{8,117} + p_{8,13} + p_{8,77} + 2p_{8,221}\\ &+ p_{8,125} + p_{8,211} + p_{8,115} + p_{8,11} + p_{8,75} + p_{7,43} + 2p_{8,39} + p_{8,231}\\ &+ p_{8,23} + p_{8,87} + p_{8,55} + p_{8,79} + p_{7,95} + p_{8,255})\end{aligned}}$$

$$p_{9,292} = \frac{1}{2}p_{8,36} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,36}^2 - 4(2p_{7,64} + p_{7,32} + p_{8,224} + p_{8,80} + p_{8,40} + p_{8,104}\\ &+ p_{7,120} + p_{8,164} + p_{8,148} + p_{8,236} + p_{8,92} + p_{8,124} + p_{8,66} + p_{7,50}\\ &+ p_{8,114} + p_{8,106} + p_{8,86} + p_{8,182} + 3p_{8,118} + p_{8,142} + p_{8,30}\\ &+ p_{8,222} + p_{8,65} + p_{8,33} + p_{8,97} + p_{8,145} + p_{8,209} + p_{8,73} + 2p_{8,25}\\ &+ p_{8,153} + p_{8,89} + p_{8,69} + p_{8,101} + p_{8,117} + p_{8,13} + p_{8,77} + 2p_{8,221}\\ &+ p_{8,125} + p_{8,211} + p_{8,115} + p_{8,11} + p_{8,75} + p_{7,43} + 2p_{8,39} + p_{8,231}\\ &+ p_{8,23} + p_{8,87} + p_{8,55} + p_{8,79} + p_{7,95} + p_{8,255})\end{aligned}}$$

$$p_{9,164} = \frac{1}{2}p_{8,164} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,164}^2 - 4(2p_{7,64} + p_{7,32} + p_{8,96} + p_{8,208} + p_{8,168} + p_{8,232}\\&+ p_{7,120} + p_{8,36} + p_{8,20} + p_{8,108} + p_{8,220} + p_{8,252} + p_{8,194} + p_{7,50}\\&+ p_{8,242} + p_{8,234} + p_{8,214} + p_{8,54} + 3p_{8,246} + p_{8,14} + p_{8,158} + p_{8,94}\\&+ p_{8,193} + p_{8,161} + p_{8,225} + p_{8,17} + p_{8,81} + p_{8,201} + p_{8,25} + 2p_{8,153}\\&+ p_{8,217} + p_{8,197} + p_{8,229} + p_{8,245} + p_{8,141} + p_{8,205} + 2p_{8,93} + p_{8,253}\\&+ p_{8,83} + p_{8,243} + p_{8,139} + p_{8,203} + p_{7,43} + 2p_{8,167} + p_{8,103} + p_{8,151}\\&+ p_{8,215} + p_{8,183} + p_{8,207} + p_{7,95} + p_{8,127})\end{aligned}}$$

$$p_{9,420} = \frac{1}{2}p_{8,164} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,164}^2 - 4(2p_{7,64} + p_{7,32} + p_{8,96} + p_{8,208} + p_{8,168} + p_{8,232}\\&+ p_{7,120} + p_{8,36} + p_{8,20} + p_{8,108} + p_{8,220} + p_{8,252} + p_{8,194} + p_{7,50}\\&+ p_{8,242} + p_{8,234} + p_{8,214} + p_{8,54} + 3p_{8,246} + p_{8,14} + p_{8,158} + p_{8,94}\\&+ p_{8,193} + p_{8,161} + p_{8,225} + p_{8,17} + p_{8,81} + p_{8,201} + p_{8,25} + 2p_{8,153}\\&+ p_{8,217} + p_{8,197} + p_{8,229} + p_{8,245} + p_{8,141} + p_{8,205} + 2p_{8,93} + p_{8,253}\\&+ p_{8,83} + p_{8,243} + p_{8,139} + p_{8,203} + p_{7,43} + 2p_{8,167} + p_{8,103} + p_{8,151}\\&+ p_{8,215} + p_{8,183} + p_{8,207} + p_{7,95} + p_{8,127})\end{aligned}}$$

$$p_{9,100} = \frac{1}{2}p_{8,100} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,100}^2 - 4(2p_{7,0} + p_{8,32} + p_{7,96} + p_{8,144} + p_{8,168} + p_{8,104}\\&+ p_{7,56} + p_{8,228} + p_{8,212} + p_{8,44} + p_{8,156} + p_{8,188} + p_{8,130} + p_{8,178}\\&+ p_{7,114} + p_{8,170} + p_{8,150} + 3p_{8,182} + p_{8,246} + p_{8,206} + p_{8,30} + p_{8,94}\\&+ p_{8,129} + p_{8,161} + p_{8,97} + p_{8,17} + p_{8,209} + p_{8,137} + p_{8,153} + 2p_{8,89}\\&+ p_{8,217} + p_{8,133} + p_{8,165} + p_{8,181} + p_{8,141} + p_{8,77} + 2p_{8,29} + p_{8,189}\\&+ p_{8,19} + p_{8,179} + p_{8,139} + p_{8,75} + p_{7,107} + p_{8,39} + 2p_{8,103} + p_{8,151}\\&+ p_{8,87} + p_{8,119} + p_{8,143} + p_{7,31} + p_{8,63})\end{aligned}}$$

$$p_{9,356} = \frac{1}{2}p_{8,100} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,100}^2 - 4(2p_{7,0} + p_{8,32} + p_{7,96} + p_{8,144} + p_{8,168} + p_{8,104}\\&+ p_{7,56} + p_{8,228} + p_{8,212} + p_{8,44} + p_{8,156} + p_{8,188} + p_{8,130} + p_{8,178}\\&+ p_{7,114} + p_{8,170} + p_{8,150} + 3p_{8,182} + p_{8,246} + p_{8,206} + p_{8,30} + p_{8,94}\\&+ p_{8,129} + p_{8,161} + p_{8,97} + p_{8,17} + p_{8,209} + p_{8,137} + p_{8,153} + 2p_{8,89}\\&+ p_{8,217} + p_{8,133} + p_{8,165} + p_{8,181} + p_{8,141} + p_{8,77} + 2p_{8,29} + p_{8,189}\\&+ p_{8,19} + p_{8,179} + p_{8,139} + p_{8,75} + p_{7,107} + p_{8,39} + 2p_{8,103} + p_{8,151}\\&+ p_{8,87} + p_{8,119} + p_{8,143} + p_{7,31} + p_{8,63})\end{aligned}}$$

$$p_{9,228} = \frac{1}{2}p_{8,228} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,228}^2 - 4(2p_{7,0} + p_{8,160} + p_{7,96} + p_{8,16} + p_{8,40} + p_{8,232}\\&+ p_{7,56} + p_{8,100} + p_{8,84} + p_{8,172} + p_{8,28} + p_{8,60} + p_{8,2} + p_{8,50}\\&+ p_{7,114} + p_{8,42} + p_{8,22} + 3p_{8,54} + p_{8,118} + p_{8,78} + p_{8,158} + p_{8,222}\\&+ p_{8,1} + p_{8,33} + p_{8,225} + p_{8,145} + p_{8,81} + p_{8,9} + p_{8,25} + p_{8,89}\\&+ 2p_{8,217} + p_{8,5} + p_{8,37} + p_{8,53} + p_{8,13} + p_{8,205} + 2p_{8,157} + p_{8,61}\\&+ p_{8,147} + p_{8,51} + p_{8,11} + p_{8,203} + p_{7,107} + p_{8,167} + 2p_{8,231}\\&+ p_{8,23} + p_{8,215} + p_{8,247} + p_{8,15} + p_{7,31} + p_{8,191})\end{aligned}}$$

$$p_{9,484} = \frac{1}{2}p_{8,228} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,228}^2 - 4(2p_{7,0} + p_{8,160} + p_{7,96} + p_{8,16} + p_{8,40} + p_{8,232} \\ &+ p_{7,56} + p_{8,100} + p_{8,84} + p_{8,172} + p_{8,28} + p_{8,60} + p_{8,2} + p_{8,50} \\ &+ p_{7,114} + p_{8,42} + p_{8,22} + 3p_{8,54} + p_{8,118} + p_{8,78} + p_{8,158} + p_{8,222} \\ &+ p_{8,1} + p_{8,33} + p_{8,225} + p_{8,145} + p_{8,81} + p_{8,9} + p_{8,25} + p_{8,89} \\ &+ 2p_{8,217} + p_{8,5} + p_{8,37} + p_{8,53} + p_{8,13} + p_{8,205} + 2p_{8,157} + p_{8,61} \\ &+ p_{8,147} + p_{8,51} + p_{8,11} + p_{8,203} + p_{7,107} + p_{8,167} + 2p_{8,231} \\ &+ p_{8,23} + p_{8,215} + p_{8,247} + p_{8,15} + p_{7,31} + p_{8,191})\end{aligned}}$$

$$p_{9,20} = \frac{1}{2}p_{8,20} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,20}^2 - 4(p_{8,64} + p_{7,16} + p_{8,208} + 2p_{7,48} + p_{7,104} + p_{8,24} \\ &+ p_{8,88} + p_{8,132} + p_{8,148} + p_{8,76} + p_{8,108} + p_{8,220} + p_{7,34} + p_{8,98} \\ &+ p_{8,50} + p_{8,90} + p_{8,70} + p_{8,166} + 3p_{8,102} + p_{8,14} + p_{8,206} + p_{8,126} \\ &+ p_{8,129} + p_{8,193} + p_{8,17} + p_{8,81} + p_{8,49} + 2p_{8,9} + p_{8,137} + p_{8,73} \\ &+ p_{8,57} + p_{8,101} + p_{8,85} + p_{8,53} + 2p_{8,205} + p_{8,109} + p_{8,61} + p_{8,253} \\ &+ p_{8,195} + p_{8,99} + p_{7,27} + p_{8,59} + p_{8,251} + p_{8,7} + p_{8,71} + p_{8,39} \\ &+ 2p_{8,23} + p_{8,215} + p_{7,79} + p_{8,239} + p_{8,63})\end{aligned}}$$

$$p_{9,276} = \frac{1}{2}p_{8,20} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,20}^2 - 4(p_{8,64} + p_{7,16} + p_{8,208} + 2p_{7,48} + p_{7,104} + p_{8,24} \\ &+ p_{8,88} + p_{8,132} + p_{8,148} + p_{8,76} + p_{8,108} + p_{8,220} + p_{7,34} + p_{8,98} \\ &+ p_{8,50} + p_{8,90} + p_{8,70} + p_{8,166} + 3p_{8,102} + p_{8,14} + p_{8,206} + p_{8,126} \\ &+ p_{8,129} + p_{8,193} + p_{8,17} + p_{8,81} + p_{8,49} + 2p_{8,9} + p_{8,137} + p_{8,73} \\ &+ p_{8,57} + p_{8,101} + p_{8,85} + p_{8,53} + 2p_{8,205} + p_{8,109} + p_{8,61} + p_{8,253} \\ &+ p_{8,195} + p_{8,99} + p_{7,27} + p_{8,59} + p_{8,251} + p_{8,7} + p_{8,71} + p_{8,39} \\ &+ 2p_{8,23} + p_{8,215} + p_{7,79} + p_{8,239} + p_{8,63})\end{aligned}}$$

$$p_{9,148} = \frac{1}{2}p_{8,148} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,148}^2 - 4(p_{8,192} + p_{7,16} + p_{8,80} + 2p_{7,48} + p_{7,104} + p_{8,152} \\ &+ p_{8,216} + p_{8,4} + p_{8,20} + p_{8,204} + p_{8,236} + p_{8,92} + p_{7,34} + p_{8,226} \\ &+ p_{8,178} + p_{8,218} + p_{8,198} + p_{8,38} + 3p_{8,230} + p_{8,142} + p_{8,78} + p_{8,254} \\ &+ p_{8,1} + p_{8,65} + p_{8,145} + p_{8,209} + p_{8,177} + p_{8,9} + 2p_{8,137} + p_{8,201} \\ &+ p_{8,185} + p_{8,229} + p_{8,213} + p_{8,181} + 2p_{8,77} + p_{8,237} + p_{8,189} + p_{8,125} \\ &+ p_{8,67} + p_{8,227} + p_{7,27} + p_{8,187} + p_{8,123} + p_{8,135} + p_{8,199} + p_{8,167} \\ &+ 2p_{8,151} + p_{8,87} + p_{7,79} + p_{8,111} + p_{8,191})\end{aligned}}$$

$$p_{9,404} = \frac{1}{2}p_{8,148} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,148}^2 - 4(p_{8,192} + p_{7,16} + p_{8,80} + 2p_{7,48} + p_{7,104} + p_{8,152} \\ &+ p_{8,216} + p_{8,4} + p_{8,20} + p_{8,204} + p_{8,236} + p_{8,92} + p_{7,34} + p_{8,226} \\ &+ p_{8,178} + p_{8,218} + p_{8,198} + p_{8,38} + 3p_{8,230} + p_{8,142} + p_{8,78} + p_{8,254} \\ &+ p_{8,1} + p_{8,65} + p_{8,145} + p_{8,209} + p_{8,177} + p_{8,9} + 2p_{8,137} + p_{8,201} \\ &+ p_{8,185} + p_{8,229} + p_{8,213} + p_{8,181} + 2p_{8,77} + p_{8,237} + p_{8,189} + p_{8,125} \\ &+ p_{8,67} + p_{8,227} + p_{7,27} + p_{8,187} + p_{8,123} + p_{8,135} + p_{8,199} + p_{8,167} \\ &+ 2p_{8,151} + p_{8,87} + p_{7,79} + p_{8,111} + p_{8,191})\end{aligned}}$$

$$p_{9,84} = \frac{1}{2}p_{8,84} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,84}^2 - 4(p_{8,128} + p_{8,16} + p_{7,80} + 2p_{7,112} + p_{7,40} + p_{8,152}\\&+ p_{8,88} + p_{8,196} + p_{8,212} + p_{8,140} + p_{8,172} + p_{8,28} + p_{8,162} + p_{7,98}\\&+ p_{8,114} + p_{8,154} + p_{8,134} + 3p_{8,166} + p_{8,230} + p_{8,14} + p_{8,78} + p_{8,190}\\&+ p_{8,1} + p_{8,193} + p_{8,145} + p_{8,81} + p_{8,113} + p_{8,137} + 2p_{8,73} + p_{8,201}\\&+ p_{8,121} + p_{8,165} + p_{8,149} + p_{8,117} + 2p_{8,13} + p_{8,173} + p_{8,61} + p_{8,125}\\&+ p_{8,3} + p_{8,163} + p_{7,91} + p_{8,59} + p_{8,123} + p_{8,135} + p_{8,71} + p_{8,103}\\&+ p_{8,23} + 2p_{8,87} + p_{7,15} + p_{8,47} + p_{8,127})\end{aligned}}$$

$$p_{9,340} = \frac{1}{2}p_{8,84} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,84}^2 - 4(p_{8,128} + p_{8,16} + p_{7,80} + 2p_{7,112} + p_{7,40} + p_{8,152}\\&+ p_{8,88} + p_{8,196} + p_{8,212} + p_{8,140} + p_{8,172} + p_{8,28} + p_{8,162} + p_{7,98}\\&+ p_{8,114} + p_{8,154} + p_{8,134} + 3p_{8,166} + p_{8,230} + p_{8,14} + p_{8,78} + p_{8,190}\\&+ p_{8,1} + p_{8,193} + p_{8,145} + p_{8,81} + p_{8,113} + p_{8,137} + 2p_{8,73} + p_{8,201}\\&+ p_{8,121} + p_{8,165} + p_{8,149} + p_{8,117} + 2p_{8,13} + p_{8,173} + p_{8,61} + p_{8,125}\\&+ p_{8,3} + p_{8,163} + p_{7,91} + p_{8,59} + p_{8,123} + p_{8,135} + p_{8,71} + p_{8,103}\\&+ p_{8,23} + 2p_{8,87} + p_{7,15} + p_{8,47} + p_{8,127})\end{aligned}}$$

$$p_{9,212} = \frac{1}{2}p_{8,212} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,212}^2 - 4(p_{8,0} + p_{8,144} + p_{7,80} + 2p_{7,112} + p_{7,40} + p_{8,24}\\&+ p_{8,216} + p_{8,68} + p_{8,84} + p_{8,12} + p_{8,44} + p_{8,156} + p_{8,34} + p_{7,98}\\&+ p_{8,242} + p_{8,26} + p_{8,6} + 3p_{8,38} + p_{8,102} + p_{8,142} + p_{8,206} + p_{8,62}\\&+ p_{8,129} + p_{8,65} + p_{8,17} + p_{8,209} + p_{8,241} + p_{8,9} + p_{8,73} + 2p_{8,201}\\&+ p_{8,249} + p_{8,37} + p_{8,21} + p_{8,245} + 2p_{8,141} + p_{8,45} + p_{8,189} + p_{8,253}\\&+ p_{8,131} + p_{8,35} + p_{7,91} + p_{8,187} + p_{8,251} + p_{8,7} + p_{8,199} + p_{8,231}\\&+ p_{8,151} + 2p_{8,215} + p_{7,15} + p_{8,175} + p_{8,255})\end{aligned}}$$

$$p_{9,468} = \frac{1}{2}p_{8,212} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,212}^2 - 4(p_{8,0} + p_{8,144} + p_{7,80} + 2p_{7,112} + p_{7,40} + p_{8,24}\\&+ p_{8,216} + p_{8,68} + p_{8,84} + p_{8,12} + p_{8,44} + p_{8,156} + p_{8,34} + p_{7,98}\\&+ p_{8,242} + p_{8,26} + p_{8,6} + 3p_{8,38} + p_{8,102} + p_{8,142} + p_{8,206} + p_{8,62}\\&+ p_{8,129} + p_{8,65} + p_{8,17} + p_{8,209} + p_{8,241} + p_{8,9} + p_{8,73} + 2p_{8,201}\\&+ p_{8,249} + p_{8,37} + p_{8,21} + p_{8,245} + 2p_{8,141} + p_{8,45} + p_{8,189} + p_{8,253}\\&+ p_{8,131} + p_{8,35} + p_{7,91} + p_{8,187} + p_{8,251} + p_{8,7} + p_{8,199} + p_{8,231}\\&+ p_{8,151} + 2p_{8,215} + p_{7,15} + p_{8,175} + p_{8,255})\end{aligned}}$$

$$p_{9,52} = \frac{1}{2}p_{8,52} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,52}^2 - 4(p_{8,96} + 2p_{7,80} + p_{7,48} + p_{8,240} + p_{7,8} + p_{8,56}\\&+ p_{8,120} + p_{8,164} + p_{8,180} + p_{8,140} + p_{8,108} + p_{8,252} + p_{8,130} + p_{7,66}\\&+ p_{8,82} + p_{8,122} + 3p_{8,134} + p_{8,198} + p_{8,102} + p_{8,46} + p_{8,238} + p_{8,158}\\&+ p_{8,161} + p_{8,225} + p_{8,81} + p_{8,49} + p_{8,113} + 2p_{8,41} + p_{8,169} + p_{8,105}\\&+ p_{8,89} + p_{8,133} + p_{8,85} + p_{8,117} + p_{8,141} + 2p_{8,237} + p_{8,29} + p_{8,93}\\&+ p_{8,131} + p_{8,227} + p_{8,27} + p_{8,91} + p_{7,59} + p_{8,71} + p_{8,39} + p_{8,103}\\&+ 2p_{8,55} + p_{8,247} + p_{8,15} + p_{7,111} + p_{8,95})\end{aligned}}$$

$$p_{9,308} = \frac{1}{2}p_{8,52} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,52}^2 - 4(p_{8,96} + 2p_{7,80} + p_{7,48} + p_{8,240} + p_{7,8} + p_{8,56}\\&+ p_{8,120} + p_{8,164} + p_{8,180} + p_{8,140} + p_{8,108} + p_{8,252} + p_{8,130} + p_{7,66}\\&+ p_{8,82} + p_{8,122} + 3p_{8,134} + p_{8,198} + p_{8,102} + p_{8,46} + p_{8,238} + p_{8,158}\\&+ p_{8,161} + p_{8,225} + p_{8,81} + p_{8,49} + p_{8,113} + 2p_{8,41} + p_{8,169} + p_{8,105}\\&+ p_{8,89} + p_{8,133} + p_{8,85} + p_{8,117} + p_{8,141} + 2p_{8,237} + p_{8,29} + p_{8,93}\\&+ p_{8,131} + p_{8,227} + p_{8,27} + p_{8,91} + p_{7,59} + p_{8,71} + p_{8,39} + p_{8,103}\\&+ 2p_{8,55} + p_{8,247} + p_{8,15} + p_{7,111} + p_{8,95})\end{aligned}}$$

$$p_{9,180} = \frac{1}{2}p_{8,180} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,180}^2 - 4(p_{8,224} + 2p_{7,80} + p_{7,48} + p_{8,112} + p_{7,8} + p_{8,184}\\&+ p_{8,248} + p_{8,36} + p_{8,52} + p_{8,12} + p_{8,236} + p_{8,124} + p_{8,2} + p_{7,66}\\&+ p_{8,210} + p_{8,250} + 3p_{8,6} + p_{8,70} + p_{8,230} + p_{8,174} + p_{8,110} + p_{8,30}\\&+ p_{8,33} + p_{8,97} + p_{8,209} + p_{8,177} + p_{8,241} + p_{8,41} + 2p_{8,169} + p_{8,233}\\&+ p_{8,217} + p_{8,5} + p_{8,213} + p_{8,245} + p_{8,13} + 2p_{8,109} + p_{8,157} + p_{8,221}\\&+ p_{8,3} + p_{8,99} + p_{8,155} + p_{8,219} + p_{7,59} + p_{8,199} + p_{8,167} + p_{8,231}\\&+ 2p_{8,183} + p_{8,119} + p_{8,143} + p_{7,111} + p_{8,223})\end{aligned}}$$

$$p_{9,436} = \frac{1}{2}p_{8,180} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,180}^2 - 4(p_{8,224} + 2p_{7,80} + p_{7,48} + p_{8,112} + p_{7,8} + p_{8,184}\\&+ p_{8,248} + p_{8,36} + p_{8,52} + p_{8,12} + p_{8,236} + p_{8,124} + p_{8,2} + p_{7,66}\\&+ p_{8,210} + p_{8,250} + 3p_{8,6} + p_{8,70} + p_{8,230} + p_{8,174} + p_{8,110} + p_{8,30}\\&+ p_{8,33} + p_{8,97} + p_{8,209} + p_{8,177} + p_{8,241} + p_{8,41} + 2p_{8,169} + p_{8,233}\\&+ p_{8,217} + p_{8,5} + p_{8,213} + p_{8,245} + p_{8,13} + 2p_{8,109} + p_{8,157} + p_{8,221}\\&+ p_{8,3} + p_{8,99} + p_{8,155} + p_{8,219} + p_{7,59} + p_{8,199} + p_{8,167} + p_{8,231}\\&+ 2p_{8,183} + p_{8,119} + p_{8,143} + p_{7,111} + p_{8,223})\end{aligned}}$$

$$p_{9,116} = \frac{1}{2}p_{8,116} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,116}^2 - 4(p_{8,160} + 2p_{7,16} + p_{8,48} + p_{7,112} + p_{7,72} + p_{8,184}\\&+ p_{8,120} + p_{8,228} + p_{8,244} + p_{8,204} + p_{8,172} + p_{8,60} + p_{7,2} + p_{8,194}\\&+ p_{8,146} + p_{8,186} + p_{8,6} + 3p_{8,198} + p_{8,166} + p_{8,46} + p_{8,110} + p_{8,222}\\&+ p_{8,33} + p_{8,225} + p_{8,145} + p_{8,177} + p_{8,113} + p_{8,169} + 2p_{8,105} + p_{8,233}\\&+ p_{8,153} + p_{8,197} + p_{8,149} + p_{8,181} + p_{8,205} + 2p_{8,45} + p_{8,157} + p_{8,93}\\&+ p_{8,195} + p_{8,35} + p_{8,155} + p_{8,91} + p_{7,123} + p_{8,135} + p_{8,167} + p_{8,103}\\&+ p_{8,55} + 2p_{8,119} + p_{8,79} + p_{7,47} + p_{8,159})\end{aligned}}$$

$$p_{9,372} = \frac{1}{2}p_{8,116} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,116}^2 - 4(p_{8,160} + 2p_{7,16} + p_{8,48} + p_{7,112} + p_{7,72} + p_{8,184}\\&+ p_{8,120} + p_{8,228} + p_{8,244} + p_{8,204} + p_{8,172} + p_{8,60} + p_{7,2} + p_{8,194}\\&+ p_{8,146} + p_{8,186} + p_{8,6} + 3p_{8,198} + p_{8,166} + p_{8,46} + p_{8,110} + p_{8,222}\\&+ p_{8,33} + p_{8,225} + p_{8,145} + p_{8,177} + p_{8,113} + p_{8,169} + 2p_{8,105} + p_{8,233}\\&+ p_{8,153} + p_{8,197} + p_{8,149} + p_{8,181} + p_{8,205} + 2p_{8,45} + p_{8,157} + p_{8,93}\\&+ p_{8,195} + p_{8,35} + p_{8,155} + p_{8,91} + p_{7,123} + p_{8,135} + p_{8,167} + p_{8,103}\\&+ p_{8,55} + 2p_{8,119} + p_{8,79} + p_{7,47} + p_{8,159})\end{aligned}}$$

$$p_{9,244} = \frac{1}{2}p_{8,244} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,244}^2 - 4(p_{8,32} + 2p_{7,16} + p_{8,176} + p_{7,112} + p_{7,72} + p_{8,56}\\ &+ p_{8,248} + p_{8,100} + p_{8,116} + p_{8,76} + p_{8,44} + p_{8,188} + p_{7,2} + p_{8,66}\\ &+ p_{8,18} + p_{8,58} + p_{8,134} + 3p_{8,70} + p_{8,38} + p_{8,174} + p_{8,238} + p_{8,94}\\ &+ p_{8,161} + p_{8,97} + p_{8,17} + p_{8,49} + p_{8,241} + p_{8,41} + p_{8,105} + 2p_{8,233}\\ &+ p_{8,25} + p_{8,69} + p_{8,21} + p_{8,53} + p_{8,77} + 2p_{8,173} + p_{8,29} + p_{8,221}\\ &+ p_{8,67} + p_{8,163} + p_{8,27} + p_{8,219} + p_{7,123} + p_{8,7} + p_{8,39} + p_{8,231}\\ &+ p_{8,183} + 2p_{8,247} + p_{8,207} + p_{7,47} + p_{8,31})\end{aligned}}$$

$$p_{9,500} = \frac{1}{2}p_{8,244} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,244}^2 - 4(p_{8,32} + 2p_{7,16} + p_{8,176} + p_{7,112} + p_{7,72} + p_{8,56}\\ &+ p_{8,248} + p_{8,100} + p_{8,116} + p_{8,76} + p_{8,44} + p_{8,188} + p_{7,2} + p_{8,66}\\ &+ p_{8,18} + p_{8,58} + p_{8,134} + 3p_{8,70} + p_{8,38} + p_{8,174} + p_{8,238} + p_{8,94}\\ &+ p_{8,161} + p_{8,97} + p_{8,17} + p_{8,49} + p_{8,241} + p_{8,41} + p_{8,105} + 2p_{8,233}\\ &+ p_{8,25} + p_{8,69} + p_{8,21} + p_{8,53} + p_{8,77} + 2p_{8,173} + p_{8,29} + p_{8,221}\\ &+ p_{8,67} + p_{8,163} + p_{8,27} + p_{8,219} + p_{7,123} + p_{8,7} + p_{8,39} + p_{8,231}\\ &+ p_{8,183} + 2p_{8,247} + p_{8,207} + p_{7,47} + p_{8,31})\end{aligned}}$$

$$p_{9,12} = \frac{1}{2}p_{8,12} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,12}^2 - 4(p_{7,96} + p_{8,16} + p_{8,80} + p_{7,8} + p_{8,200} + 2p_{7,40}\\ &+ p_{8,56} + p_{8,68} + p_{8,100} + p_{8,212} + p_{8,140} + p_{8,124} + p_{8,82} + p_{8,42}\\ &+ p_{7,26} + p_{8,90} + p_{8,6} + p_{8,198} + p_{8,118} + p_{8,158} + 3p_{8,94} + p_{8,62}\\ &+ 2p_{8,1} + p_{8,129} + p_{8,65} + p_{8,49} + p_{8,9} + p_{8,73} + p_{8,41} + p_{8,185}\\ &+ p_{8,121} + 2p_{8,197} + p_{8,101} + p_{8,53} + p_{8,245} + p_{8,77} + p_{8,45} + p_{8,93}\\ &+ p_{7,19} + p_{8,51} + p_{8,243} + p_{8,91} + p_{8,187} + p_{7,71} + p_{8,231} + p_{8,55}\\ &+ 2p_{8,15} + p_{8,207} + p_{8,31} + p_{8,63} + p_{8,255})\end{aligned}}$$

$$p_{9,268} = \frac{1}{2}p_{8,12} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,12}^2 - 4(p_{7,96} + p_{8,16} + p_{8,80} + p_{7,8} + p_{8,200} + 2p_{7,40}\\ &+ p_{8,56} + p_{8,68} + p_{8,100} + p_{8,212} + p_{8,140} + p_{8,124} + p_{8,82} + p_{8,42}\\ &+ p_{7,26} + p_{8,90} + p_{8,6} + p_{8,198} + p_{8,118} + p_{8,158} + 3p_{8,94} + p_{8,62}\\ &+ 2p_{8,1} + p_{8,129} + p_{8,65} + p_{8,49} + p_{8,9} + p_{8,73} + p_{8,41} + p_{8,185}\\ &+ p_{8,121} + 2p_{8,197} + p_{8,101} + p_{8,53} + p_{8,245} + p_{8,77} + p_{8,45} + p_{8,93}\\ &+ p_{7,19} + p_{8,51} + p_{8,243} + p_{8,91} + p_{8,187} + p_{7,71} + p_{8,231} + p_{8,55}\\ &+ 2p_{8,15} + p_{8,207} + p_{8,31} + p_{8,63} + p_{8,255})\end{aligned}}$$

$$p_{9,140} = \frac{1}{2}p_{8,140} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,140}^2 - 4(p_{7,96} + p_{8,144} + p_{8,208} + p_{7,8} + p_{8,72} + 2p_{7,40}\\ &+ p_{8,184} + p_{8,196} + p_{8,228} + p_{8,84} + p_{8,12} + p_{8,252} + p_{8,210} + p_{8,170}\\ &+ p_{7,26} + p_{8,218} + p_{8,134} + p_{8,70} + p_{8,246} + p_{8,30} + 3p_{8,222} + p_{8,190}\\ &+ p_{8,1} + 2p_{8,129} + p_{8,193} + p_{8,177} + p_{8,137} + p_{8,201} + p_{8,169} + p_{8,57}\\ &+ p_{8,249} + 2p_{8,69} + p_{8,229} + p_{8,181} + p_{8,117} + p_{8,205} + p_{8,173} + p_{8,221}\\ &+ p_{7,19} + p_{8,179} + p_{8,115} + p_{8,219} + p_{8,59} + p_{7,71} + p_{8,103} + p_{8,183}\\ &+ 2p_{8,143} + p_{8,79} + p_{8,159} + p_{8,191} + p_{8,127})\end{aligned}}$$

$$p_{9,396} = \frac{1}{2}p_{8,140} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,140}^2 - 4(p_{7,96} + p_{8,144} + p_{8,208} + p_{7,8} + p_{8,72} + 2p_{7,40}\\&+ p_{8,184} + p_{8,196} + p_{8,228} + p_{8,84} + p_{8,12} + p_{8,252} + p_{8,210} + p_{8,170}\\&+ p_{7,26} + p_{8,218} + p_{8,134} + p_{8,70} + p_{8,246} + p_{8,30} + 3p_{8,222} + p_{8,190}\\&+ p_{8,1} + 2p_{8,129} + p_{8,193} + p_{8,177} + p_{8,137} + p_{8,201} + p_{8,169} + p_{8,57}\\&+ p_{8,249} + 2p_{8,69} + p_{8,229} + p_{8,181} + p_{8,117} + p_{8,205} + p_{8,173} + p_{8,221}\\&+ p_{7,19} + p_{8,179} + p_{8,115} + p_{8,219} + p_{8,59} + p_{7,71} + p_{8,103} + p_{8,183}\\&+ 2p_{8,143} + p_{8,79} + p_{8,159} + p_{8,191} + p_{8,127})\end{aligned}}$$

$$p_{9,76} = \frac{1}{2}p_{8,76} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,76}^2 - 4(p_{7,32} + p_{8,144} + p_{8,80} + p_{8,8} + p_{7,72} + 2p_{7,104}\\&+ p_{8,120} + p_{8,132} + p_{8,164} + p_{8,20} + p_{8,204} + p_{8,188} + p_{8,146} + p_{8,106}\\&+ p_{8,154} + p_{7,90} + p_{8,6} + p_{8,70} + p_{8,182} + 3p_{8,158} + p_{8,222} + p_{8,126}\\&+ p_{8,129} + 2p_{8,65} + p_{8,193} + p_{8,113} + p_{8,137} + p_{8,73} + p_{8,105} + p_{8,185}\\&+ p_{8,249} + 2p_{8,5} + p_{8,165} + p_{8,53} + p_{8,117} + p_{8,141} + p_{8,109} + p_{8,157}\\&+ p_{7,83} + p_{8,51} + p_{8,115} + p_{8,155} + p_{8,251} + p_{7,7} + p_{8,39} + p_{8,119}\\&+ p_{8,15} + 2p_{8,79} + p_{8,95} + p_{8,63} + p_{8,127})\end{aligned}}$$

$$p_{9,332} = \frac{1}{2}p_{8,76} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,76}^2 - 4(p_{7,32} + p_{8,144} + p_{8,80} + p_{8,8} + p_{7,72} + 2p_{7,104}\\&+ p_{8,120} + p_{8,132} + p_{8,164} + p_{8,20} + p_{8,204} + p_{8,188} + p_{8,146} + p_{8,106}\\&+ p_{8,154} + p_{7,90} + p_{8,6} + p_{8,70} + p_{8,182} + 3p_{8,158} + p_{8,222} + p_{8,126}\\&+ p_{8,129} + 2p_{8,65} + p_{8,193} + p_{8,113} + p_{8,137} + p_{8,73} + p_{8,105} + p_{8,185}\\&+ p_{8,249} + 2p_{8,5} + p_{8,165} + p_{8,53} + p_{8,117} + p_{8,141} + p_{8,109} + p_{8,157}\\&+ p_{7,83} + p_{8,51} + p_{8,115} + p_{8,155} + p_{8,251} + p_{7,7} + p_{8,39} + p_{8,119}\\&+ p_{8,15} + 2p_{8,79} + p_{8,95} + p_{8,63} + p_{8,127})\end{aligned}}$$

$$p_{9,204} = \frac{1}{2}p_{8,204} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,204}^2 - 4(p_{7,32} + p_{8,16} + p_{8,208} + p_{8,136} + p_{7,72} + 2p_{7,104}\\&+ p_{8,248} + p_{8,4} + p_{8,36} + p_{8,148} + p_{8,76} + p_{8,60} + p_{8,18} + p_{8,234}\\&+ p_{8,26} + p_{7,90} + p_{8,134} + p_{8,198} + p_{8,54} + 3p_{8,30} + p_{8,94} + p_{8,254}\\&+ p_{8,1} + p_{8,65} + 2p_{8,193} + p_{8,241} + p_{8,9} + p_{8,201} + p_{8,233} + p_{8,57}\\&+ p_{8,121} + 2p_{8,133} + p_{8,37} + p_{8,181} + p_{8,245} + p_{8,13} + p_{8,237} + p_{8,29}\\&+ p_{7,83} + p_{8,179} + p_{8,243} + p_{8,27} + p_{8,123} + p_{7,7} + p_{8,167} + p_{8,247}\\&+ p_{8,143} + 2p_{8,207} + p_{8,223} + p_{8,191} + p_{8,255})\end{aligned}}$$

$$p_{9,460} = \frac{1}{2}p_{8,204} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,204}^2 - 4(p_{7,32} + p_{8,16} + p_{8,208} + p_{8,136} + p_{7,72} + 2p_{7,104}\\&+ p_{8,248} + p_{8,4} + p_{8,36} + p_{8,148} + p_{8,76} + p_{8,60} + p_{8,18} + p_{8,234}\\&+ p_{8,26} + p_{7,90} + p_{8,134} + p_{8,198} + p_{8,54} + 3p_{8,30} + p_{8,94} + p_{8,254}\\&+ p_{8,1} + p_{8,65} + 2p_{8,193} + p_{8,241} + p_{8,9} + p_{8,201} + p_{8,233} + p_{8,57}\\&+ p_{8,121} + 2p_{8,133} + p_{8,37} + p_{8,181} + p_{8,245} + p_{8,13} + p_{8,237} + p_{8,29}\\&+ p_{7,83} + p_{8,179} + p_{8,243} + p_{8,27} + p_{8,123} + p_{7,7} + p_{8,167} + p_{8,247}\\&+ p_{8,143} + 2p_{8,207} + p_{8,223} + p_{8,191} + p_{8,255})\end{aligned}}$$

$$p_{9,44} = \frac{1}{2}p_{8,44} + \frac{1}{2}\sqrt{\begin{array}{l} p_{8,44}^2 - 4(p_{7,0} + p_{8,48} + p_{8,112} + 2p_{7,72} + p_{7,40} + p_{8,232} \\ + p_{8,88} + p_{8,132} + p_{8,100} + p_{8,244} + p_{8,172} + p_{8,156} + p_{8,114} + p_{8,74} \\ + p_{7,58} + p_{8,122} + p_{8,38} + p_{8,230} + p_{8,150} + p_{8,94} + p_{8,190} + 3p_{8,126} \\ + 2p_{8,33} + p_{8,161} + p_{8,97} + p_{8,81} + p_{8,73} + p_{8,41} + p_{8,105} + p_{8,153} \\ + p_{8,217} + p_{8,133} + 2p_{8,229} + p_{8,21} + p_{8,85} + p_{8,77} + p_{8,109} + p_{8,125} \\ + p_{8,19} + p_{8,83} + p_{7,51} + p_{8,219} + p_{8,123} + p_{8,7} + p_{7,103} + p_{8,87} \\ + 2p_{8,47} + p_{8,239} + p_{8,31} + p_{8,95} + p_{8,63}) \end{array}}$$

$$p_{9,300} = \frac{1}{2}p_{8,44} - \frac{1}{2}\sqrt{\begin{array}{l} p_{8,44}^2 - 4(p_{7,0} + p_{8,48} + p_{8,112} + 2p_{7,72} + p_{7,40} + p_{8,232} \\ + p_{8,88} + p_{8,132} + p_{8,100} + p_{8,244} + p_{8,172} + p_{8,156} + p_{8,114} + p_{8,74} \\ + p_{7,58} + p_{8,122} + p_{8,38} + p_{8,230} + p_{8,150} + p_{8,94} + p_{8,190} + 3p_{8,126} \\ + 2p_{8,33} + p_{8,161} + p_{8,97} + p_{8,81} + p_{8,73} + p_{8,41} + p_{8,105} + p_{8,153} \\ + p_{8,217} + p_{8,133} + 2p_{8,229} + p_{8,21} + p_{8,85} + p_{8,77} + p_{8,109} + p_{8,125} \\ + p_{8,19} + p_{8,83} + p_{7,51} + p_{8,219} + p_{8,123} + p_{8,7} + p_{7,103} + p_{8,87} \\ + 2p_{8,47} + p_{8,239} + p_{8,31} + p_{8,95} + p_{8,63}) \end{array}}$$

$$p_{9,172} = \frac{1}{2}p_{8,172} - \frac{1}{2}\sqrt{\begin{array}{l} p_{8,172}^2 - 4(p_{7,0} + p_{8,176} + p_{8,240} + 2p_{7,72} + p_{7,40} + p_{8,104} \\ + p_{8,216} + p_{8,4} + p_{8,228} + p_{8,116} + p_{8,44} + p_{8,28} + p_{8,242} + p_{8,202} \\ + p_{7,58} + p_{8,250} + p_{8,166} + p_{8,102} + p_{8,22} + p_{8,222} + p_{8,62} + 3p_{8,254} \\ + p_{8,33} + 2p_{8,161} + p_{8,225} + p_{8,209} + p_{8,201} + p_{8,169} + p_{8,233} + p_{8,25} \\ + p_{8,89} + p_{8,5} + 2p_{8,101} + p_{8,149} + p_{8,213} + p_{8,205} + p_{8,237} + p_{8,253} \\ + p_{8,147} + p_{8,211} + p_{7,51} + p_{8,91} + p_{8,251} + p_{8,135} + p_{7,103} + p_{8,215} \\ + 2p_{8,175} + p_{8,111} + p_{8,159} + p_{8,223} + p_{8,191}) \end{array}}$$

$$p_{9,428} = \frac{1}{2}p_{8,172} + \frac{1}{2}\sqrt{\begin{array}{l} p_{8,172}^2 - 4(p_{7,0} + p_{8,176} + p_{8,240} + 2p_{7,72} + p_{7,40} + p_{8,104} \\ + p_{8,216} + p_{8,4} + p_{8,228} + p_{8,116} + p_{8,44} + p_{8,28} + p_{8,242} + p_{8,202} \\ + p_{7,58} + p_{8,250} + p_{8,166} + p_{8,102} + p_{8,22} + p_{8,222} + p_{8,62} + 3p_{8,254} \\ + p_{8,33} + 2p_{8,161} + p_{8,225} + p_{8,209} + p_{8,201} + p_{8,169} + p_{8,233} + p_{8,25} \\ + p_{8,89} + p_{8,5} + 2p_{8,101} + p_{8,149} + p_{8,213} + p_{8,205} + p_{8,237} + p_{8,253} \\ + p_{8,147} + p_{8,211} + p_{7,51} + p_{8,91} + p_{8,251} + p_{8,135} + p_{7,103} + p_{8,215} \\ + 2p_{8,175} + p_{8,111} + p_{8,159} + p_{8,223} + p_{8,191}) \end{array}}$$

$$p_{9,108} = \frac{1}{2}p_{8,108} - \frac{1}{2}\sqrt{\begin{array}{l} p_{8,108}^2 - 4(p_{7,64} + p_{8,176} + p_{8,112} + 2p_{7,8} + p_{8,40} + p_{7,104} \\ + p_{8,152} + p_{8,196} + p_{8,164} + p_{8,52} + p_{8,236} + p_{8,220} + p_{8,178} + p_{8,138} \\ + p_{8,186} + p_{7,122} + p_{8,38} + p_{8,102} + p_{8,214} + p_{8,158} + 3p_{8,190} + p_{8,254} \\ + p_{8,161} + 2p_{8,97} + p_{8,225} + p_{8,145} + p_{8,137} + p_{8,169} + p_{8,105} + p_{8,25} \\ + p_{8,217} + p_{8,197} + 2p_{8,37} + p_{8,149} + p_{8,85} + p_{8,141} + p_{8,173} + p_{8,189} \\ + p_{8,147} + p_{8,83} + p_{7,115} + p_{8,27} + p_{8,187} + p_{8,71} + p_{7,39} + p_{8,151} \\ + p_{8,47} + 2p_{8,111} + p_{8,159} + p_{8,95} + p_{8,127}) \end{array}}$$

$$p_{9,364} = \frac{1}{2}p_{8,108} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,108}^2 - 4(p_{7,64} + p_{8,176} + p_{8,112} + 2p_{7,8} + p_{8,40} + p_{7,104}\\&+ p_{8,152} + p_{8,196} + p_{8,164} + p_{8,52} + p_{8,236} + p_{8,220} + p_{8,178} + p_{8,138}\\&+ p_{8,186} + p_{7,122} + p_{8,38} + p_{8,102} + p_{8,214} + p_{8,158} + 3p_{8,190} + p_{8,254}\\&+ p_{8,161} + 2p_{8,97} + p_{8,225} + p_{8,145} + p_{8,137} + p_{8,169} + p_{8,105} + p_{8,25}\\&+ p_{8,217} + p_{8,197} + 2p_{8,37} + p_{8,149} + p_{8,85} + p_{8,141} + p_{8,173} + p_{8,189}\\&+ p_{8,147} + p_{8,83} + p_{7,115} + p_{8,27} + p_{8,187} + p_{8,71} + p_{7,39} + p_{8,151}\\&+ p_{8,47} + 2p_{8,111} + p_{8,159} + p_{8,95} + p_{8,127})\end{aligned}}$$

$$p_{9,236} = \frac{1}{2}p_{8,236} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,236}^2 - 4(p_{7,64} + p_{8,48} + p_{8,240} + 2p_{7,8} + p_{8,168} + p_{7,104}\\&+ p_{8,24} + p_{8,68} + p_{8,36} + p_{8,180} + p_{8,108} + p_{8,92} + p_{8,50} + p_{8,10}\\&+ p_{8,58} + p_{7,122} + p_{8,166} + p_{8,230} + p_{8,86} + p_{8,30} + 3p_{8,62} + p_{8,126}\\&+ p_{8,33} + p_{8,97} + 2p_{8,225} + p_{8,17} + p_{8,9} + p_{8,41} + p_{8,233} + p_{8,153}\\&+ p_{8,89} + p_{8,69} + 2p_{8,165} + p_{8,21} + p_{8,213} + p_{8,13} + p_{8,45} + p_{8,61}\\&+ p_{8,19} + p_{8,211} + p_{7,115} + p_{8,155} + p_{8,59} + p_{8,199} + p_{7,39} + p_{8,23}\\&+ p_{8,175} + 2p_{8,239} + p_{8,31} + p_{8,223} + p_{8,255})\end{aligned}}$$

$$p_{9,492} = \frac{1}{2}p_{8,236} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,236}^2 - 4(p_{7,64} + p_{8,48} + p_{8,240} + 2p_{7,8} + p_{8,168} + p_{7,104}\\&+ p_{8,24} + p_{8,68} + p_{8,36} + p_{8,180} + p_{8,108} + p_{8,92} + p_{8,50} + p_{8,10}\\&+ p_{8,58} + p_{7,122} + p_{8,166} + p_{8,230} + p_{8,86} + p_{8,30} + 3p_{8,62} + p_{8,126}\\&+ p_{8,33} + p_{8,97} + 2p_{8,225} + p_{8,17} + p_{8,9} + p_{8,41} + p_{8,233} + p_{8,153}\\&+ p_{8,89} + p_{8,69} + 2p_{8,165} + p_{8,21} + p_{8,213} + p_{8,13} + p_{8,45} + p_{8,61}\\&+ p_{8,19} + p_{8,211} + p_{7,115} + p_{8,155} + p_{8,59} + p_{8,199} + p_{7,39} + p_{8,23}\\&+ p_{8,175} + 2p_{8,239} + p_{8,31} + p_{8,223} + p_{8,255})\end{aligned}}$$

$$p_{9,28} = \frac{1}{2}p_{8,28} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,28}^2 - 4(p_{8,32} + p_{8,96} + p_{7,112} + p_{8,72} + p_{7,24} + p_{8,216}\\&+ 2p_{7,56} + p_{8,228} + p_{8,84} + p_{8,116} + p_{8,140} + p_{8,156} + p_{8,98} + p_{7,42}\\&+ p_{8,106} + p_{8,58} + p_{8,134} + p_{8,22} + p_{8,214} + p_{8,78} + p_{8,174} + 3p_{8,110}\\&+ p_{8,65} + 2p_{8,17} + p_{8,145} + p_{8,81} + p_{8,137} + p_{8,201} + p_{8,25} + p_{8,89}\\&+ p_{8,57} + p_{8,5} + p_{8,69} + 2p_{8,213} + p_{8,117} + p_{8,109} + p_{8,93} + p_{8,61}\\&+ p_{8,3} + p_{8,67} + p_{7,35} + p_{8,203} + p_{8,107} + p_{8,71} + p_{7,87} + p_{8,247}\\&+ p_{8,15} + p_{8,79} + p_{8,47} + 2p_{8,31} + p_{8,223})\end{aligned}}$$

$$p_{9,284} = \frac{1}{2}p_{8,28} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,28}^2 - 4(p_{8,32} + p_{8,96} + p_{7,112} + p_{8,72} + p_{7,24} + p_{8,216}\\&+ 2p_{7,56} + p_{8,228} + p_{8,84} + p_{8,116} + p_{8,140} + p_{8,156} + p_{8,98} + p_{7,42}\\&+ p_{8,106} + p_{8,58} + p_{8,134} + p_{8,22} + p_{8,214} + p_{8,78} + p_{8,174} + 3p_{8,110}\\&+ p_{8,65} + 2p_{8,17} + p_{8,145} + p_{8,81} + p_{8,137} + p_{8,201} + p_{8,25} + p_{8,89}\\&+ p_{8,57} + p_{8,5} + p_{8,69} + 2p_{8,213} + p_{8,117} + p_{8,109} + p_{8,93} + p_{8,61}\\&+ p_{8,3} + p_{8,67} + p_{7,35} + p_{8,203} + p_{8,107} + p_{8,71} + p_{7,87} + p_{8,247}\\&+ p_{8,15} + p_{8,79} + p_{8,47} + 2p_{8,31} + p_{8,223})\end{aligned}}$$

$$p_{9,156} = \frac{1}{2}p_{8,156} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,156}^2 - 4(p_{8,160} + p_{8,224} + p_{7,112} + p_{8,200} + p_{7,24} + p_{8,88}\\ &+ 2p_{7,56} + p_{8,100} + p_{8,212} + p_{8,244} + p_{8,12} + p_{8,28} + p_{8,226} + p_{7,42}\\ &+ p_{8,234} + p_{8,186} + p_{8,6} + p_{8,150} + p_{8,86} + p_{8,206} + p_{8,46} + 3p_{8,238}\\ &+ p_{8,193} + p_{8,17} + 2p_{8,145} + p_{8,209} + p_{8,9} + p_{8,73} + p_{8,153} + p_{8,217}\\ &+ p_{8,185} + p_{8,133} + p_{8,197} + 2p_{8,85} + p_{8,245} + p_{8,237} + p_{8,221} + p_{8,189}\\ &+ p_{8,131} + p_{8,195} + p_{7,35} + p_{8,75} + p_{8,235} + p_{8,199} + p_{7,87} + p_{8,119}\\ &+ p_{8,143} + p_{8,207} + p_{8,175} + 2p_{8,159} + p_{8,95})\end{aligned}}$$

$$p_{9,412} = \frac{1}{2}p_{8,156} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,156}^2 - 4(p_{8,160} + p_{8,224} + p_{7,112} + p_{8,200} + p_{7,24} + p_{8,88}\\ &+ 2p_{7,56} + p_{8,100} + p_{8,212} + p_{8,244} + p_{8,12} + p_{8,28} + p_{8,226} + p_{7,42}\\ &+ p_{8,234} + p_{8,186} + p_{8,6} + p_{8,150} + p_{8,86} + p_{8,206} + p_{8,46} + 3p_{8,238}\\ &+ p_{8,193} + p_{8,17} + 2p_{8,145} + p_{8,209} + p_{8,9} + p_{8,73} + p_{8,153} + p_{8,217}\\ &+ p_{8,185} + p_{8,133} + p_{8,197} + 2p_{8,85} + p_{8,245} + p_{8,237} + p_{8,221} + p_{8,189}\\ &+ p_{8,131} + p_{8,195} + p_{7,35} + p_{8,75} + p_{8,235} + p_{8,199} + p_{7,87} + p_{8,119}\\ &+ p_{8,143} + p_{8,207} + p_{8,175} + 2p_{8,159} + p_{8,95})\end{aligned}}$$

$$p_{9,92} = \frac{1}{2}p_{8,92} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,92}^2 - 4(p_{8,160} + p_{8,96} + p_{7,48} + p_{8,136} + p_{8,24} + p_{7,88}\\ &+ 2p_{7,120} + p_{8,36} + p_{8,148} + p_{8,180} + p_{8,204} + p_{8,220} + p_{8,162}\\ &+ p_{8,170} + p_{7,106} + p_{8,122} + p_{8,198} + p_{8,22} + p_{8,86} + p_{8,142} + 3p_{8,174}\\ &+ p_{8,238} + p_{8,129} + p_{8,145} + 2p_{8,81} + p_{8,209} + p_{8,9} + p_{8,201} + p_{8,153}\\ &+ p_{8,89} + p_{8,121} + p_{8,133} + p_{8,69} + 2p_{8,21} + p_{8,181} + p_{8,173} + p_{8,157}\\ &+ p_{8,125} + p_{8,131} + p_{8,67} + p_{7,99} + p_{8,11} + p_{8,171} + p_{8,135} + p_{7,23}\\ &+ p_{8,55} + p_{8,143} + p_{8,79} + p_{8,111} + p_{8,31} + 2p_{8,95})\end{aligned}}$$

$$p_{9,348} = \frac{1}{2}p_{8,92} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,92}^2 - 4(p_{8,160} + p_{8,96} + p_{7,48} + p_{8,136} + p_{8,24} + p_{7,88}\\ &+ 2p_{7,120} + p_{8,36} + p_{8,148} + p_{8,180} + p_{8,204} + p_{8,220} + p_{8,162}\\ &+ p_{8,170} + p_{7,106} + p_{8,122} + p_{8,198} + p_{8,22} + p_{8,86} + p_{8,142} + 3p_{8,174}\\ &+ p_{8,238} + p_{8,129} + p_{8,145} + 2p_{8,81} + p_{8,209} + p_{8,9} + p_{8,201} + p_{8,153}\\ &+ p_{8,89} + p_{8,121} + p_{8,133} + p_{8,69} + 2p_{8,21} + p_{8,181} + p_{8,173} + p_{8,157}\\ &+ p_{8,125} + p_{8,131} + p_{8,67} + p_{7,99} + p_{8,11} + p_{8,171} + p_{8,135} + p_{7,23}\\ &+ p_{8,55} + p_{8,143} + p_{8,79} + p_{8,111} + p_{8,31} + 2p_{8,95})\end{aligned}}$$

$$p_{9,220} = \frac{1}{2}p_{8,220} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,220}^2 - 4(p_{8,32} + p_{8,224} + p_{7,48} + p_{8,8} + p_{8,152} + p_{7,88}\\ &+ 2p_{7,120} + p_{8,164} + p_{8,20} + p_{8,52} + p_{8,76} + p_{8,92} + p_{8,34} + p_{8,42}\\ &+ p_{7,106} + p_{8,250} + p_{8,70} + p_{8,150} + p_{8,214} + p_{8,14} + 3p_{8,46} + p_{8,110}\\ &+ p_{8,1} + p_{8,17} + p_{8,81} + 2p_{8,209} + p_{8,137} + p_{8,73} + p_{8,25} + p_{8,217}\\ &+ p_{8,249} + p_{8,5} + p_{8,197} + 2p_{8,149} + p_{8,53} + p_{8,45} + p_{8,29} + p_{8,253}\\ &+ p_{8,3} + p_{8,195} + p_{7,99} + p_{8,139} + p_{8,43} + p_{8,7} + p_{7,23} + p_{8,183}\\ &+ p_{8,15} + p_{8,207} + p_{8,239} + p_{8,159} + 2p_{8,223})\end{aligned}}$$

$$p_{9,476} = \frac{1}{2}p_{8,220} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,220}^2 - 4(p_{8,32} + p_{8,224} + p_{7,48} + p_{8,8} + p_{8,152} + p_{7,88}\\ &+ 2p_{7,120} + p_{8,164} + p_{8,20} + p_{8,52} + p_{8,76} + p_{8,92} + p_{8,34} + p_{8,42}\\ &+ p_{7,106} + p_{8,250} + p_{8,70} + p_{8,150} + p_{8,214} + p_{8,14} + 3p_{8,46} + p_{8,110}\\ &+ p_{8,1} + p_{8,17} + p_{8,81} + 2p_{8,209} + p_{8,137} + p_{8,73} + p_{8,25} + p_{8,217}\\ &+ p_{8,249} + p_{8,5} + p_{8,197} + 2p_{8,149} + p_{8,53} + p_{8,45} + p_{8,29} + p_{8,253}\\ &+ p_{8,3} + p_{8,195} + p_{7,99} + p_{8,139} + p_{8,43} + p_{8,7} + p_{7,23} + p_{8,183}\\ &+ p_{8,15} + p_{8,207} + p_{8,239} + p_{8,159} + 2p_{8,223})\end{aligned}}$$

$$p_{9,60} = \frac{1}{2}p_{8,60} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,60}^2 - 4(p_{8,128} + p_{8,64} + p_{7,16} + p_{8,104} + 2p_{7,88} + p_{7,56}\\ &+ p_{8,248} + p_{8,4} + p_{8,148} + p_{8,116} + p_{8,172} + p_{8,188} + p_{8,130} + p_{8,138}\\ &+ p_{7,74} + p_{8,90} + p_{8,166} + p_{8,54} + p_{8,246} + 3p_{8,142} + p_{8,206} + p_{8,110}\\ &+ p_{8,97} + 2p_{8,49} + p_{8,177} + p_{8,113} + p_{8,169} + p_{8,233} + p_{8,89} + p_{8,57}\\ &+ p_{8,121} + p_{8,37} + p_{8,101} + p_{8,149} + 2p_{8,245} + p_{8,141} + p_{8,93} + p_{8,125}\\ &+ p_{7,67} + p_{8,35} + p_{8,99} + p_{8,139} + p_{8,235} + p_{8,103} + p_{8,23} + p_{7,119}\\ &+ p_{8,79} + p_{8,47} + p_{8,111} + 2p_{8,63} + p_{8,255})\end{aligned}}$$

$$p_{9,316} = \frac{1}{2}p_{8,60} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,60}^2 - 4(p_{8,128} + p_{8,64} + p_{7,16} + p_{8,104} + 2p_{7,88} + p_{7,56}\\ &+ p_{8,248} + p_{8,4} + p_{8,148} + p_{8,116} + p_{8,172} + p_{8,188} + p_{8,130} + p_{8,138}\\ &+ p_{7,74} + p_{8,90} + p_{8,166} + p_{8,54} + p_{8,246} + 3p_{8,142} + p_{8,206} + p_{8,110}\\ &+ p_{8,97} + 2p_{8,49} + p_{8,177} + p_{8,113} + p_{8,169} + p_{8,233} + p_{8,89} + p_{8,57}\\ &+ p_{8,121} + p_{8,37} + p_{8,101} + p_{8,149} + 2p_{8,245} + p_{8,141} + p_{8,93} + p_{8,125}\\ &+ p_{7,67} + p_{8,35} + p_{8,99} + p_{8,139} + p_{8,235} + p_{8,103} + p_{8,23} + p_{7,119}\\ &+ p_{8,79} + p_{8,47} + p_{8,111} + 2p_{8,63} + p_{8,255})\end{aligned}}$$

$$p_{9,188} = \frac{1}{2}p_{8,188} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,188}^2 - 4(p_{8,0} + p_{8,192} + p_{7,16} + p_{8,232} + 2p_{7,88} + p_{7,56}\\ &+ p_{8,120} + p_{8,132} + p_{8,20} + p_{8,244} + p_{8,44} + p_{8,60} + p_{8,2} + p_{8,10}\\ &+ p_{7,74} + p_{8,218} + p_{8,38} + p_{8,182} + p_{8,118} + 3p_{8,14} + p_{8,78} + p_{8,238}\\ &+ p_{8,225} + p_{8,49} + 2p_{8,177} + p_{8,241} + p_{8,41} + p_{8,105} + p_{8,217} + p_{8,185}\\ &+ p_{8,249} + p_{8,165} + p_{8,229} + p_{8,21} + 2p_{8,117} + p_{8,13} + p_{8,221} + p_{8,253}\\ &+ p_{7,67} + p_{8,163} + p_{8,227} + p_{8,11} + p_{8,107} + p_{8,231} + p_{8,151} + p_{7,119}\\ &+ p_{8,207} + p_{8,175} + p_{8,239} + 2p_{8,191} + p_{8,127})\end{aligned}}$$

$$p_{9,444} = \frac{1}{2}p_{8,188} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,188}^2 - 4(p_{8,0} + p_{8,192} + p_{7,16} + p_{8,232} + 2p_{7,88} + p_{7,56}\\ &+ p_{8,120} + p_{8,132} + p_{8,20} + p_{8,244} + p_{8,44} + p_{8,60} + p_{8,2} + p_{8,10}\\ &+ p_{7,74} + p_{8,218} + p_{8,38} + p_{8,182} + p_{8,118} + 3p_{8,14} + p_{8,78} + p_{8,238}\\ &+ p_{8,225} + p_{8,49} + 2p_{8,177} + p_{8,241} + p_{8,41} + p_{8,105} + p_{8,217} + p_{8,185}\\ &+ p_{8,249} + p_{8,165} + p_{8,229} + p_{8,21} + 2p_{8,117} + p_{8,13} + p_{8,221} + p_{8,253}\\ &+ p_{7,67} + p_{8,163} + p_{8,227} + p_{8,11} + p_{8,107} + p_{8,231} + p_{8,151} + p_{7,119}\\ &+ p_{8,207} + p_{8,175} + p_{8,239} + 2p_{8,191} + p_{8,127})\end{aligned}}$$

$$p_{9,124} = \frac{1}{2}p_{8,124} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,124}^2 - 4(p_{8,128} + p_{8,192} + p_{7,80} + p_{8,168} + 2p_{7,24} + p_{8,56}\\ &+ p_{7,120} + p_{8,68} + p_{8,212} + p_{8,180} + p_{8,236} + p_{8,252} + p_{8,194} + p_{7,10}\\ &+ p_{8,202} + p_{8,154} + p_{8,230} + p_{8,54} + p_{8,118} + p_{8,14} + 3p_{8,206} + p_{8,174}\\ &+ p_{8,161} + p_{8,177} + 2p_{8,113} + p_{8,241} + p_{8,41} + p_{8,233} + p_{8,153} + p_{8,185}\\ &+ p_{8,121} + p_{8,165} + p_{8,101} + p_{8,213} + 2p_{8,53} + p_{8,205} + p_{8,157} + p_{8,189}\\ &+ p_{7,3} + p_{8,163} + p_{8,99} + p_{8,203} + p_{8,43} + p_{8,167} + p_{8,87} + p_{7,55}\\ &+ p_{8,143} + p_{8,175} + p_{8,111} + p_{8,63} + 2p_{8,127})\end{aligned}}$$

$$p_{9,380} = \frac{1}{2}p_{8,124} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,124}^2 - 4(p_{8,128} + p_{8,192} + p_{7,80} + p_{8,168} + 2p_{7,24} + p_{8,56}\\ &+ p_{7,120} + p_{8,68} + p_{8,212} + p_{8,180} + p_{8,236} + p_{8,252} + p_{8,194} + p_{7,10}\\ &+ p_{8,202} + p_{8,154} + p_{8,230} + p_{8,54} + p_{8,118} + p_{8,14} + 3p_{8,206} + p_{8,174}\\ &+ p_{8,161} + p_{8,177} + 2p_{8,113} + p_{8,241} + p_{8,41} + p_{8,233} + p_{8,153} + p_{8,185}\\ &+ p_{8,121} + p_{8,165} + p_{8,101} + p_{8,213} + 2p_{8,53} + p_{8,205} + p_{8,157} + p_{8,189}\\ &+ p_{7,3} + p_{8,163} + p_{8,99} + p_{8,203} + p_{8,43} + p_{8,167} + p_{8,87} + p_{7,55}\\ &+ p_{8,143} + p_{8,175} + p_{8,111} + p_{8,63} + 2p_{8,127})\end{aligned}}$$

$$p_{9,252} = \frac{1}{2}p_{8,252} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,252}^2 - 4(p_{8,0} + p_{8,64} + p_{7,80} + p_{8,40} + 2p_{7,24} + p_{8,184}\\ &+ p_{7,120} + p_{8,196} + p_{8,84} + p_{8,52} + p_{8,108} + p_{8,124} + p_{8,66} + p_{7,10}\\ &+ p_{8,74} + p_{8,26} + p_{8,102} + p_{8,182} + p_{8,246} + p_{8,142} + 3p_{8,78} + p_{8,46}\\ &+ p_{8,33} + p_{8,49} + p_{8,113} + 2p_{8,241} + p_{8,169} + p_{8,105} + p_{8,25} + p_{8,57}\\ &+ p_{8,249} + p_{8,37} + p_{8,229} + p_{8,85} + 2p_{8,181} + p_{8,77} + p_{8,29} + p_{8,61}\\ &+ p_{7,3} + p_{8,35} + p_{8,227} + p_{8,75} + p_{8,171} + p_{8,39} + p_{8,215} + p_{7,55}\\ &+ p_{8,15} + p_{8,47} + p_{8,239} + p_{8,191} + 2p_{8,255})\end{aligned}}$$

$$p_{9,508} = \frac{1}{2}p_{8,252} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,252}^2 - 4(p_{8,0} + p_{8,64} + p_{7,80} + p_{8,40} + 2p_{7,24} + p_{8,184}\\ &+ p_{7,120} + p_{8,196} + p_{8,84} + p_{8,52} + p_{8,108} + p_{8,124} + p_{8,66} + p_{7,10}\\ &+ p_{8,74} + p_{8,26} + p_{8,102} + p_{8,182} + p_{8,246} + p_{8,142} + 3p_{8,78} + p_{8,46}\\ &+ p_{8,33} + p_{8,49} + p_{8,113} + 2p_{8,241} + p_{8,169} + p_{8,105} + p_{8,25} + p_{8,57}\\ &+ p_{8,249} + p_{8,37} + p_{8,229} + p_{8,85} + 2p_{8,181} + p_{8,77} + p_{8,29} + p_{8,61}\\ &+ p_{7,3} + p_{8,35} + p_{8,227} + p_{8,75} + p_{8,171} + p_{8,39} + p_{8,215} + p_{7,55}\\ &+ p_{8,15} + p_{8,47} + p_{8,239} + p_{8,191} + 2p_{8,255})\end{aligned}}$$

$$p_{9,2} = \frac{1}{2}p_{8,2} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,2}^2 - 4(p_{8,32} + p_{7,16} + p_{8,80} + p_{8,72} + p_{8,148} + 3p_{8,84}\\ &+ p_{8,52} + p_{8,108} + p_{8,188} + p_{8,252} + p_{8,130} + p_{8,114} + p_{8,202}\\ &+ p_{8,90} + p_{8,58} + p_{8,6} + p_{8,70} + p_{7,86} + p_{8,46} + 2p_{7,30} + p_{8,190}\\ &+ p_{7,126} + p_{8,81} + p_{8,177} + p_{7,9} + p_{8,41} + p_{8,233} + 2p_{8,5} + p_{8,197}\\ &+ p_{8,21} + p_{8,53} + p_{8,245} + p_{8,45} + p_{8,221} + p_{7,61} + p_{8,67} + p_{8,35}\\ &+ p_{8,83} + p_{8,43} + p_{8,235} + p_{8,91} + 2p_{8,187} + p_{8,39} + p_{8,55} + p_{8,119}\\ &+ 2p_{8,247} + p_{8,175} + p_{8,111} + p_{8,31} + p_{8,63} + p_{8,255})\end{aligned}}$$

$$p_{9,258} = \frac{1}{2}p_{8,2} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,2}^2 - 4(p_{8,32} + p_{7,16} + p_{8,80} + p_{8,72} + p_{8,148} + 3p_{8,84}\\&+ p_{8,52} + p_{8,108} + p_{8,188} + p_{8,252} + p_{8,130} + p_{8,114} + p_{8,202}\\&+ p_{8,90} + p_{8,58} + p_{8,6} + p_{8,70} + p_{7,86} + p_{8,46} + 2p_{7,30} + p_{8,190}\\&+ p_{7,126} + p_{8,81} + p_{8,177} + p_{7,9} + p_{8,41} + p_{8,233} + 2p_{8,5} + p_{8,197}\\&+ p_{8,21} + p_{8,53} + p_{8,245} + p_{8,45} + p_{8,221} + p_{7,61} + p_{8,67} + p_{8,35}\\&+ p_{8,83} + p_{8,43} + p_{8,235} + p_{8,91} + 2p_{8,187} + p_{8,39} + p_{8,55} + p_{8,119}\\&+ 2p_{8,247} + p_{8,175} + p_{8,111} + p_{8,31} + p_{8,63} + p_{8,255})\end{aligned}}$$

$$p_{9,130} = \frac{1}{2}p_{8,130} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,130}^2 - 4(p_{8,160} + p_{7,16} + p_{8,208} + p_{8,200} + p_{8,20} + 3p_{8,212}\\&+ p_{8,180} + p_{8,236} + p_{8,60} + p_{8,124} + p_{8,2} + p_{8,242} + p_{8,74} + p_{8,218}\\&+ p_{8,186} + p_{8,134} + p_{8,198} + p_{7,86} + p_{8,174} + 2p_{7,30} + p_{8,62} + p_{7,126}\\&+ p_{8,209} + p_{8,49} + p_{7,9} + p_{8,169} + p_{8,105} + 2p_{8,133} + p_{8,69} + p_{8,149}\\&+ p_{8,181} + p_{8,117} + p_{8,173} + p_{8,93} + p_{7,61} + p_{8,195} + p_{8,163} + p_{8,211}\\&+ p_{8,171} + p_{8,107} + p_{8,219} + 2p_{8,59} + p_{8,167} + p_{8,183} + 2p_{8,119}\\&+ p_{8,247} + p_{8,47} + p_{8,239} + p_{8,159} + p_{8,191} + p_{8,127})\end{aligned}}$$

$$p_{9,386} = \frac{1}{2}p_{8,130} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,130}^2 - 4(p_{8,160} + p_{7,16} + p_{8,208} + p_{8,200} + p_{8,20} + 3p_{8,212}\\&+ p_{8,180} + p_{8,236} + p_{8,60} + p_{8,124} + p_{8,2} + p_{8,242} + p_{8,74} + p_{8,218}\\&+ p_{8,186} + p_{8,134} + p_{8,198} + p_{7,86} + p_{8,174} + 2p_{7,30} + p_{8,62} + p_{7,126}\\&+ p_{8,209} + p_{8,49} + p_{7,9} + p_{8,169} + p_{8,105} + 2p_{8,133} + p_{8,69} + p_{8,149}\\&+ p_{8,181} + p_{8,117} + p_{8,173} + p_{8,93} + p_{7,61} + p_{8,195} + p_{8,163} + p_{8,211}\\&+ p_{8,171} + p_{8,107} + p_{8,219} + 2p_{8,59} + p_{8,167} + p_{8,183} + 2p_{8,119}\\&+ p_{8,247} + p_{8,47} + p_{8,239} + p_{8,159} + p_{8,191} + p_{8,127})\end{aligned}}$$

$$p_{9,66} = \frac{1}{2}p_{8,66} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,66}^2 - 4(p_{8,96} + p_{8,144} + p_{7,80} + p_{8,136} + 3p_{8,148} + p_{8,212}\\&+ p_{8,116} + p_{8,172} + p_{8,60} + p_{8,252} + p_{8,194} + p_{8,178} + p_{8,10} + p_{8,154}\\&+ p_{8,122} + p_{8,134} + p_{8,70} + p_{7,22} + p_{8,110} + 2p_{7,94} + p_{7,62} + p_{8,254}\\&+ p_{8,145} + p_{8,241} + p_{7,73} + p_{8,41} + p_{8,105} + p_{8,5} + 2p_{8,69} + p_{8,85}\\&+ p_{8,53} + p_{8,117} + p_{8,109} + p_{8,29} + p_{7,125} + p_{8,131} + p_{8,99} + p_{8,147}\\&+ p_{8,43} + p_{8,107} + p_{8,155} + 2p_{8,251} + p_{8,103} + 2p_{8,55} + p_{8,183}\\&+ p_{8,119} + p_{8,175} + p_{8,239} + p_{8,95} + p_{8,63} + p_{8,127})\end{aligned}}$$

$$p_{9,322} = \frac{1}{2}p_{8,66} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,66}^2 - 4(p_{8,96} + p_{8,144} + p_{7,80} + p_{8,136} + 3p_{8,148} + p_{8,212}\\&+ p_{8,116} + p_{8,172} + p_{8,60} + p_{8,252} + p_{8,194} + p_{8,178} + p_{8,10} + p_{8,154}\\&+ p_{8,122} + p_{8,134} + p_{8,70} + p_{7,22} + p_{8,110} + 2p_{7,94} + p_{7,62} + p_{8,254}\\&+ p_{8,145} + p_{8,241} + p_{7,73} + p_{8,41} + p_{8,105} + p_{8,5} + 2p_{8,69} + p_{8,85}\\&+ p_{8,53} + p_{8,117} + p_{8,109} + p_{8,29} + p_{7,125} + p_{8,131} + p_{8,99} + p_{8,147}\\&+ p_{8,43} + p_{8,107} + p_{8,155} + 2p_{8,251} + p_{8,103} + 2p_{8,55} + p_{8,183}\\&+ p_{8,119} + p_{8,175} + p_{8,239} + p_{8,95} + p_{8,63} + p_{8,127})\end{aligned}}$$

$$p_{9,194} = \frac{1}{2}p_{8,194} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,194}^2 - 4(p_{8,224} + p_{8,16} + p_{7,80} + p_{8,8} + 3p_{8,20} + p_{8,84}\\ &+ p_{8,244} + p_{8,44} + p_{8,188} + p_{8,124} + p_{8,66} + p_{8,50} + p_{8,138} + p_{8,26}\\ &+ p_{8,250} + p_{8,6} + p_{8,198} + p_{7,22} + p_{8,238} + 2p_{7,94} + p_{7,62} + p_{8,126}\\ &+ p_{8,17} + p_{8,113} + p_{7,73} + p_{8,169} + p_{8,233} + p_{8,133} + 2p_{8,197} + p_{8,213}\\ &+ p_{8,181} + p_{8,245} + p_{8,237} + p_{8,157} + p_{7,125} + p_{8,3} + p_{8,227} + p_{8,19}\\ &+ p_{8,171} + p_{8,235} + p_{8,27} + 2p_{8,123} + p_{8,231} + p_{8,55} + 2p_{8,183}\\ &+ p_{8,247} + p_{8,47} + p_{8,111} + p_{8,223} + p_{8,191} + p_{8,255})\end{aligned}}$$

$$p_{9,450} = \frac{1}{2}p_{8,194} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,194}^2 - 4(p_{8,224} + p_{8,16} + p_{7,80} + p_{8,8} + 3p_{8,20} + p_{8,84}\\ &+ p_{8,244} + p_{8,44} + p_{8,188} + p_{8,124} + p_{8,66} + p_{8,50} + p_{8,138} + p_{8,26}\\ &+ p_{8,250} + p_{8,6} + p_{8,198} + p_{7,22} + p_{8,238} + 2p_{7,94} + p_{7,62} + p_{8,126}\\ &+ p_{8,17} + p_{8,113} + p_{7,73} + p_{8,169} + p_{8,233} + p_{8,133} + 2p_{8,197} + p_{8,213}\\ &+ p_{8,181} + p_{8,245} + p_{8,237} + p_{8,157} + p_{7,125} + p_{8,3} + p_{8,227} + p_{8,19}\\ &+ p_{8,171} + p_{8,235} + p_{8,27} + 2p_{8,123} + p_{8,231} + p_{8,55} + 2p_{8,183}\\ &+ p_{8,247} + p_{8,47} + p_{8,111} + p_{8,223} + p_{8,191} + p_{8,255})\end{aligned}}$$

$$p_{9,34} = \frac{1}{2}p_{8,34} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,34}^2 - 4(p_{8,64} + p_{7,48} + p_{8,112} + p_{8,104} + p_{8,84} + p_{8,180}\\ &+ 3p_{8,116} + p_{8,140} + p_{8,28} + p_{8,220} + p_{8,162} + p_{8,146} + p_{8,234}\\ &+ p_{8,90} + p_{8,122} + p_{8,38} + p_{8,102} + p_{7,118} + p_{8,78} + p_{7,30} + p_{8,222}\\ &+ 2p_{7,62} + p_{8,209} + p_{8,113} + p_{8,9} + p_{8,73} + p_{7,41} + 2p_{8,37} + p_{8,229}\\ &+ p_{8,21} + p_{8,85} + p_{8,53} + p_{8,77} + p_{7,93} + p_{8,253} + p_{8,67} + p_{8,99}\\ &+ p_{8,115} + p_{8,11} + p_{8,75} + 2p_{8,219} + p_{8,123} + p_{8,71} + 2p_{8,23} + p_{8,151}\\ &+ p_{8,87} + p_{8,143} + p_{8,207} + p_{8,31} + p_{8,95} + p_{8,63})\end{aligned}}$$

$$p_{9,290} = \frac{1}{2}p_{8,34} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,34}^2 - 4(p_{8,64} + p_{7,48} + p_{8,112} + p_{8,104} + p_{8,84} + p_{8,180}\\ &+ 3p_{8,116} + p_{8,140} + p_{8,28} + p_{8,220} + p_{8,162} + p_{8,146} + p_{8,234}\\ &+ p_{8,90} + p_{8,122} + p_{8,38} + p_{8,102} + p_{7,118} + p_{8,78} + p_{7,30} + p_{8,222}\\ &+ 2p_{7,62} + p_{8,209} + p_{8,113} + p_{8,9} + p_{8,73} + p_{7,41} + 2p_{8,37} + p_{8,229}\\ &+ p_{8,21} + p_{8,85} + p_{8,53} + p_{8,77} + p_{7,93} + p_{8,253} + p_{8,67} + p_{8,99}\\ &+ p_{8,115} + p_{8,11} + p_{8,75} + 2p_{8,219} + p_{8,123} + p_{8,71} + 2p_{8,23} + p_{8,151}\\ &+ p_{8,87} + p_{8,143} + p_{8,207} + p_{8,31} + p_{8,95} + p_{8,63})\end{aligned}}$$

$$p_{9,162} = \frac{1}{2}p_{8,162} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,162}^2 - 4(p_{8,192} + p_{7,48} + p_{8,240} + p_{8,232} + p_{8,212} + p_{8,52}\\ &+ 3p_{8,244} + p_{8,12} + p_{8,156} + p_{8,92} + p_{8,34} + p_{8,18} + p_{8,106} + p_{8,218}\\ &+ p_{8,250} + p_{8,166} + p_{8,230} + p_{7,118} + p_{8,206} + p_{7,30} + p_{8,94} + 2p_{7,62}\\ &+ p_{8,81} + p_{8,241} + p_{8,137} + p_{8,201} + p_{7,41} + 2p_{8,165} + p_{8,101} + p_{8,149}\\ &+ p_{8,213} + p_{8,181} + p_{8,205} + p_{7,93} + p_{8,125} + p_{8,195} + p_{8,227} + p_{8,243}\\ &+ p_{8,139} + p_{8,203} + 2p_{8,91} + p_{8,251} + p_{8,199} + p_{8,23} + 2p_{8,151} + p_{8,215}\\ &+ p_{8,15} + p_{8,79} + p_{8,159} + p_{8,223} + p_{8,191})\end{aligned}}$$

$$p_{9,418} = \frac{1}{2}p_{8,162} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,162}^2 - 4(p_{8,192} + p_{7,48} + p_{8,240} + p_{8,232} + p_{8,212} + p_{8,52}\\ &+ 3p_{8,244} + p_{8,12} + p_{8,156} + p_{8,92} + p_{8,34} + p_{8,18} + p_{8,106} + p_{8,218}\\ &+ p_{8,250} + p_{8,166} + p_{8,230} + p_{7,118} + p_{8,206} + p_{7,30} + p_{8,94} + 2p_{7,62}\\ &+ p_{8,81} + p_{8,241} + p_{8,137} + p_{8,201} + p_{7,41} + 2p_{8,165} + p_{8,101} + p_{8,149}\\ &+ p_{8,213} + p_{8,181} + p_{8,205} + p_{7,93} + p_{8,125} + p_{8,195} + p_{8,227} + p_{8,243}\\ &+ p_{8,139} + p_{8,203} + 2p_{8,91} + p_{8,251} + p_{8,199} + p_{8,23} + 2p_{8,151} + p_{8,215}\\ &+ p_{8,15} + p_{8,79} + p_{8,159} + p_{8,223} + p_{8,191})\end{aligned}}$$

$$p_{9,98} = \frac{1}{2}p_{8,98} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,98}^2 - 4(p_{8,128} + p_{8,176} + p_{7,112} + p_{8,168} + p_{8,148} + 3p_{8,180}\\ &+ p_{8,244} + p_{8,204} + p_{8,28} + p_{8,92} + p_{8,226} + p_{8,210} + p_{8,42} + p_{8,154}\\ &+ p_{8,186} + p_{8,166} + p_{8,102} + p_{7,54} + p_{8,142} + p_{8,30} + p_{7,94} + 2p_{7,126}\\ &+ p_{8,17} + p_{8,177} + p_{8,137} + p_{8,73} + p_{7,105} + p_{8,37} + 2p_{8,101} + p_{8,149}\\ &+ p_{8,85} + p_{8,117} + p_{8,141} + p_{7,29} + p_{8,61} + p_{8,131} + p_{8,163} + p_{8,179}\\ &+ p_{8,139} + p_{8,75} + 2p_{8,27} + p_{8,187} + p_{8,135} + p_{8,151} + 2p_{8,87} + p_{8,215}\\ &+ p_{8,15} + p_{8,207} + p_{8,159} + p_{8,95} + p_{8,127})\end{aligned}}$$

$$p_{9,354} = \frac{1}{2}p_{8,98} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,98}^2 - 4(p_{8,128} + p_{8,176} + p_{7,112} + p_{8,168} + p_{8,148} + 3p_{8,180}\\ &+ p_{8,244} + p_{8,204} + p_{8,28} + p_{8,92} + p_{8,226} + p_{8,210} + p_{8,42} + p_{8,154}\\ &+ p_{8,186} + p_{8,166} + p_{8,102} + p_{7,54} + p_{8,142} + p_{8,30} + p_{7,94} + 2p_{7,126}\\ &+ p_{8,17} + p_{8,177} + p_{8,137} + p_{8,73} + p_{7,105} + p_{8,37} + 2p_{8,101} + p_{8,149}\\ &+ p_{8,85} + p_{8,117} + p_{8,141} + p_{7,29} + p_{8,61} + p_{8,131} + p_{8,163} + p_{8,179}\\ &+ p_{8,139} + p_{8,75} + 2p_{8,27} + p_{8,187} + p_{8,135} + p_{8,151} + 2p_{8,87} + p_{8,215}\\ &+ p_{8,15} + p_{8,207} + p_{8,159} + p_{8,95} + p_{8,127})\end{aligned}}$$

$$p_{9,226} = \frac{1}{2}p_{8,226} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,226}^2 - 4(p_{8,0} + p_{8,48} + p_{7,112} + p_{8,40} + p_{8,20} + 3p_{8,52}\\ &+ p_{8,116} + p_{8,76} + p_{8,156} + p_{8,220} + p_{8,98} + p_{8,82} + p_{8,170} + p_{8,26}\\ &+ p_{8,58} + p_{8,38} + p_{8,230} + p_{7,54} + p_{8,14} + p_{8,158} + p_{7,94} + 2p_{7,126}\\ &+ p_{8,145} + p_{8,49} + p_{8,9} + p_{8,201} + p_{7,105} + p_{8,165} + 2p_{8,229} + p_{8,21}\\ &+ p_{8,213} + p_{8,245} + p_{8,13} + p_{7,29} + p_{8,189} + p_{8,3} + p_{8,35} + p_{8,51}\\ &+ p_{8,11} + p_{8,203} + 2p_{8,155} + p_{8,59} + p_{8,7} + p_{8,23} + p_{8,87} + 2p_{8,215}\\ &+ p_{8,143} + p_{8,79} + p_{8,31} + p_{8,223} + p_{8,255})\end{aligned}}$$

$$p_{9,482} = \frac{1}{2}p_{8,226} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,226}^2 - 4(p_{8,0} + p_{8,48} + p_{7,112} + p_{8,40} + p_{8,20} + 3p_{8,52}\\ &+ p_{8,116} + p_{8,76} + p_{8,156} + p_{8,220} + p_{8,98} + p_{8,82} + p_{8,170} + p_{8,26}\\ &+ p_{8,58} + p_{8,38} + p_{8,230} + p_{7,54} + p_{8,14} + p_{8,158} + p_{7,94} + 2p_{7,126}\\ &+ p_{8,145} + p_{8,49} + p_{8,9} + p_{8,201} + p_{7,105} + p_{8,165} + 2p_{8,229} + p_{8,21}\\ &+ p_{8,213} + p_{8,245} + p_{8,13} + p_{7,29} + p_{8,189} + p_{8,3} + p_{8,35} + p_{8,51}\\ &+ p_{8,11} + p_{8,203} + 2p_{8,155} + p_{8,59} + p_{8,7} + p_{8,23} + p_{8,87} + 2p_{8,215}\\ &+ p_{8,143} + p_{8,79} + p_{8,31} + p_{8,223} + p_{8,255})\end{aligned}}$$

$$p_{9,18} = \frac{1}{2}p_{8,18} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,18}^2 - 4(p_{7,32} + p_{8,96} + p_{8,48} + p_{8,88} + p_{8,68} + p_{8,164}\\&+ 3p_{8,100} + p_{8,12} + p_{8,204} + p_{8,124} + p_{8,130} + p_{8,146} + p_{8,74}\\&+ p_{8,106} + p_{8,218} + p_{7,102} + p_{8,22} + p_{8,86} + p_{7,14} + p_{8,206} + 2p_{7,46}\\&+ p_{8,62} + p_{8,193} + p_{8,97} + p_{7,25} + p_{8,57} + p_{8,249} + p_{8,5} + p_{8,69}\\&+ p_{8,37} + 2p_{8,21} + p_{8,213} + p_{7,77} + p_{8,237} + p_{8,61} + p_{8,99} + p_{8,83}\\&+ p_{8,51} + 2p_{8,203} + p_{8,107} + p_{8,59} + p_{8,251} + 2p_{8,7} + p_{8,135} + p_{8,71}\\&+ p_{8,55} + p_{8,15} + p_{8,79} + p_{8,47} + p_{8,191} + p_{8,127})\end{aligned}}$$

$$p_{9,274} = \frac{1}{2}p_{8,18} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,18}^2 - 4(p_{7,32} + p_{8,96} + p_{8,48} + p_{8,88} + p_{8,68} + p_{8,164}\\&+ 3p_{8,100} + p_{8,12} + p_{8,204} + p_{8,124} + p_{8,130} + p_{8,146} + p_{8,74}\\&+ p_{8,106} + p_{8,218} + p_{7,102} + p_{8,22} + p_{8,86} + p_{7,14} + p_{8,206} + 2p_{7,46}\\&+ p_{8,62} + p_{8,193} + p_{8,97} + p_{7,25} + p_{8,57} + p_{8,249} + p_{8,5} + p_{8,69}\\&+ p_{8,37} + 2p_{8,21} + p_{8,213} + p_{7,77} + p_{8,237} + p_{8,61} + p_{8,99} + p_{8,83}\\&+ p_{8,51} + 2p_{8,203} + p_{8,107} + p_{8,59} + p_{8,251} + 2p_{8,7} + p_{8,135} + p_{8,71}\\&+ p_{8,55} + p_{8,15} + p_{8,79} + p_{8,47} + p_{8,191} + p_{8,127})\end{aligned}}$$

$$p_{9,146} = \frac{1}{2}p_{8,146} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,146}^2 - 4(p_{7,32} + p_{8,224} + p_{8,176} + p_{8,216} + p_{8,196} + p_{8,36}\\&+ 3p_{8,228} + p_{8,140} + p_{8,76} + p_{8,252} + p_{8,2} + p_{8,18} + p_{8,202} + p_{8,234}\\&+ p_{8,90} + p_{7,102} + p_{8,150} + p_{8,214} + p_{7,14} + p_{8,78} + 2p_{7,46} + p_{8,190}\\&+ p_{8,65} + p_{8,225} + p_{7,25} + p_{8,185} + p_{8,121} + p_{8,133} + p_{8,197} + p_{8,165}\\&+ 2p_{8,149} + p_{8,85} + p_{7,77} + p_{8,109} + p_{8,189} + p_{8,227} + p_{8,211} + p_{8,179}\\&+ 2p_{8,75} + p_{8,235} + p_{8,187} + p_{8,123} + p_{8,7} + 2p_{8,135} + p_{8,199} + p_{8,183}\\&+ p_{8,143} + p_{8,207} + p_{8,175} + p_{8,63} + p_{8,255})\end{aligned}}$$

$$p_{9,402} = \frac{1}{2}p_{8,146} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,146}^2 - 4(p_{7,32} + p_{8,224} + p_{8,176} + p_{8,216} + p_{8,196} + p_{8,36}\\&+ 3p_{8,228} + p_{8,140} + p_{8,76} + p_{8,252} + p_{8,2} + p_{8,18} + p_{8,202} + p_{8,234}\\&+ p_{8,90} + p_{7,102} + p_{8,150} + p_{8,214} + p_{7,14} + p_{8,78} + 2p_{7,46} + p_{8,190}\\&+ p_{8,65} + p_{8,225} + p_{7,25} + p_{8,185} + p_{8,121} + p_{8,133} + p_{8,197} + p_{8,165}\\&+ 2p_{8,149} + p_{8,85} + p_{7,77} + p_{8,109} + p_{8,189} + p_{8,227} + p_{8,211} + p_{8,179}\\&+ 2p_{8,75} + p_{8,235} + p_{8,187} + p_{8,123} + p_{8,7} + 2p_{8,135} + p_{8,199} + p_{8,183}\\&+ p_{8,143} + p_{8,207} + p_{8,175} + p_{8,63} + p_{8,255})\end{aligned}}$$

$$p_{9,82} = \frac{1}{2}p_{8,82} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,82}^2 - 4(p_{8,160} + p_{7,96} + p_{8,112} + p_{8,152} + p_{8,132} + 3p_{8,164}\\&+ p_{8,228} + p_{8,12} + p_{8,76} + p_{8,188} + p_{8,194} + p_{8,210} + p_{8,138} + p_{8,170}\\&+ p_{8,26} + p_{7,38} + p_{8,150} + p_{8,86} + p_{8,14} + p_{7,78} + 2p_{7,110} + p_{8,126}\\&+ p_{8,1} + p_{8,161} + p_{7,89} + p_{8,57} + p_{8,121} + p_{8,133} + p_{8,69} + p_{8,101}\\&+ p_{8,21} + 2p_{8,85} + p_{7,13} + p_{8,45} + p_{8,125} + p_{8,163} + p_{8,147} + p_{8,115}\\&+ 2p_{8,11} + p_{8,171} + p_{8,59} + p_{8,123} + p_{8,135} + 2p_{8,71} + p_{8,199} + p_{8,119}\\&+ p_{8,143} + p_{8,79} + p_{8,111} + p_{8,191} + p_{8,255})\end{aligned}}$$

$$p_{9,338} = \frac{1}{2}p_{8,82} + \frac{1}{2}\sqrt{\begin{aligned} &p_{8,82}^2 - 4(p_{8,160} + p_{7,96} + p_{8,112} + p_{8,152} + p_{8,132} + 3p_{8,164} \\ &+ p_{8,228} + p_{8,12} + p_{8,76} + p_{8,188} + p_{8,194} + p_{8,210} + p_{8,138} + p_{8,170} \\ &+ p_{8,26} + p_{7,38} + p_{8,150} + p_{8,86} + p_{8,14} + p_{7,78} + 2p_{7,110} + p_{8,126} \\ &+ p_{8,1} + p_{8,161} + p_{7,89} + p_{8,57} + p_{8,121} + p_{8,133} + p_{8,69} + p_{8,101} \\ &+ p_{8,21} + 2p_{8,85} + p_{7,13} + p_{8,45} + p_{8,125} + p_{8,163} + p_{8,147} + p_{8,115} \\ &+ 2p_{8,11} + p_{8,171} + p_{8,59} + p_{8,123} + p_{8,135} + 2p_{8,71} + p_{8,199} + p_{8,119} \\ &+ p_{8,143} + p_{8,79} + p_{8,111} + p_{8,191} + p_{8,255}) \end{aligned}}$$

$$p_{9,210} = \frac{1}{2}p_{8,210} - \frac{1}{2}\sqrt{\begin{aligned} &p_{8,210}^2 - 4(p_{8,32} + p_{7,96} + p_{8,240} + p_{8,24} + p_{8,4} + 3p_{8,36} \\ &+ p_{8,100} + p_{8,140} + p_{8,204} + p_{8,60} + p_{8,66} + p_{8,82} + p_{8,10} + p_{8,42} \\ &+ p_{8,154} + p_{7,38} + p_{8,22} + p_{8,214} + p_{8,142} + p_{7,78} + 2p_{7,110} + p_{8,254} \\ &+ p_{8,129} + p_{8,33} + p_{7,89} + p_{8,185} + p_{8,249} + p_{8,5} + p_{8,197} + p_{8,229} \\ &+ p_{8,149} + 2p_{8,213} + p_{7,13} + p_{8,173} + p_{8,253} + p_{8,35} + p_{8,19} + p_{8,243} \\ &+ 2p_{8,139} + p_{8,43} + p_{8,187} + p_{8,251} + p_{8,7} + p_{8,71} + 2p_{8,199} + p_{8,247} \\ &+ p_{8,15} + p_{8,207} + p_{8,239} + p_{8,63} + p_{8,127}) \end{aligned}}$$

$$p_{9,466} = \frac{1}{2}p_{8,210} + \frac{1}{2}\sqrt{\begin{aligned} &p_{8,210}^2 - 4(p_{8,32} + p_{7,96} + p_{8,240} + p_{8,24} + p_{8,4} + 3p_{8,36} \\ &+ p_{8,100} + p_{8,140} + p_{8,204} + p_{8,60} + p_{8,66} + p_{8,82} + p_{8,10} + p_{8,42} \\ &+ p_{8,154} + p_{7,38} + p_{8,22} + p_{8,214} + p_{8,142} + p_{7,78} + 2p_{7,110} + p_{8,254} \\ &+ p_{8,129} + p_{8,33} + p_{7,89} + p_{8,185} + p_{8,249} + p_{8,5} + p_{8,197} + p_{8,229} \\ &+ p_{8,149} + 2p_{8,213} + p_{7,13} + p_{8,173} + p_{8,253} + p_{8,35} + p_{8,19} + p_{8,243} \\ &+ 2p_{8,139} + p_{8,43} + p_{8,187} + p_{8,251} + p_{8,7} + p_{8,71} + 2p_{8,199} + p_{8,247} \\ &+ p_{8,15} + p_{8,207} + p_{8,239} + p_{8,63} + p_{8,127}) \end{aligned}}$$

$$p_{9,50} = \frac{1}{2}p_{8,50} - \frac{1}{2}\sqrt{\begin{aligned} &p_{8,50}^2 - 4(p_{8,128} + p_{7,64} + p_{8,80} + p_{8,120} + 3p_{8,132} + p_{8,196} \\ &+ p_{8,100} + p_{8,44} + p_{8,236} + p_{8,156} + p_{8,162} + p_{8,178} + p_{8,138} + p_{8,106} \\ &+ p_{8,250} + p_{7,6} + p_{8,54} + p_{8,118} + 2p_{7,78} + p_{7,46} + p_{8,238} + p_{8,94} \\ &+ p_{8,129} + p_{8,225} + p_{8,25} + p_{8,89} + p_{7,57} + p_{8,69} + p_{8,37} + p_{8,101} \\ &+ 2p_{8,53} + p_{8,245} + p_{8,13} + p_{7,109} + p_{8,93} + p_{8,131} + p_{8,83} + p_{8,115} \\ &+ p_{8,139} + 2p_{8,235} + p_{8,27} + p_{8,91} + 2p_{8,39} + p_{8,167} + p_{8,103} + p_{8,87} \\ &+ p_{8,79} + p_{8,47} + p_{8,111} + p_{8,159} + p_{8,223}) \end{aligned}}$$

$$p_{9,306} = \frac{1}{2}p_{8,50} + \frac{1}{2}\sqrt{\begin{aligned} &p_{8,50}^2 - 4(p_{8,128} + p_{7,64} + p_{8,80} + p_{8,120} + 3p_{8,132} + p_{8,196} \\ &+ p_{8,100} + p_{8,44} + p_{8,236} + p_{8,156} + p_{8,162} + p_{8,178} + p_{8,138} + p_{8,106} \\ &+ p_{8,250} + p_{7,6} + p_{8,54} + p_{8,118} + 2p_{7,78} + p_{7,46} + p_{8,238} + p_{8,94} \\ &+ p_{8,129} + p_{8,225} + p_{8,25} + p_{8,89} + p_{7,57} + p_{8,69} + p_{8,37} + p_{8,101} \\ &+ 2p_{8,53} + p_{8,245} + p_{8,13} + p_{7,109} + p_{8,93} + p_{8,131} + p_{8,83} + p_{8,115} \\ &+ p_{8,139} + 2p_{8,235} + p_{8,27} + p_{8,91} + 2p_{8,39} + p_{8,167} + p_{8,103} + p_{8,87} \\ &+ p_{8,79} + p_{8,47} + p_{8,111} + p_{8,159} + p_{8,223}) \end{aligned}}$$

$$p_{9,178} = \frac{1}{2}p_{8,178} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,178}^2 - 4(p_{8,0} + p_{7,64} + p_{8,208} + p_{8,248} + 3p_{8,4} + p_{8,68}\\ &+ p_{8,228} + p_{8,172} + p_{8,108} + p_{8,28} + p_{8,34} + p_{8,50} + p_{8,10} + p_{8,234}\\ &+ p_{8,122} + p_{7,6} + p_{8,182} + p_{8,246} + 2p_{7,78} + p_{7,46} + p_{8,110} + p_{8,222}\\ &+ p_{8,1} + p_{8,97} + p_{8,153} + p_{8,217} + p_{7,57} + p_{8,197} + p_{8,165} + p_{8,229}\\ &+ 2p_{8,181} + p_{8,117} + p_{8,141} + p_{7,109} + p_{8,221} + p_{8,3} + p_{8,211} + p_{8,243}\\ &+ p_{8,11} + 2p_{8,107} + p_{8,155} + p_{8,219} + p_{8,39} + 2p_{8,167} + p_{8,231}\\ &+ p_{8,215} + p_{8,207} + p_{8,175} + p_{8,239} + p_{8,31} + p_{8,95})\end{aligned}}$$

$$p_{9,434} = \frac{1}{2}p_{8,178} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,178}^2 - 4(p_{8,0} + p_{7,64} + p_{8,208} + p_{8,248} + 3p_{8,4} + p_{8,68}\\ &+ p_{8,228} + p_{8,172} + p_{8,108} + p_{8,28} + p_{8,34} + p_{8,50} + p_{8,10} + p_{8,234}\\ &+ p_{8,122} + p_{7,6} + p_{8,182} + p_{8,246} + 2p_{7,78} + p_{7,46} + p_{8,110} + p_{8,222}\\ &+ p_{8,1} + p_{8,97} + p_{8,153} + p_{8,217} + p_{7,57} + p_{8,197} + p_{8,165} + p_{8,229}\\ &+ 2p_{8,181} + p_{8,117} + p_{8,141} + p_{7,109} + p_{8,221} + p_{8,3} + p_{8,211} + p_{8,243}\\ &+ p_{8,11} + 2p_{8,107} + p_{8,155} + p_{8,219} + p_{8,39} + 2p_{8,167} + p_{8,231}\\ &+ p_{8,215} + p_{8,207} + p_{8,175} + p_{8,239} + p_{8,31} + p_{8,95})\end{aligned}}$$

$$p_{9,114} = \frac{1}{2}p_{8,114} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,114}^2 - 4(p_{7,0} + p_{8,192} + p_{8,144} + p_{8,184} + p_{8,4} + 3p_{8,196}\\ &+ p_{8,164} + p_{8,44} + p_{8,108} + p_{8,220} + p_{8,226} + p_{8,242} + p_{8,202} + p_{8,170}\\ &+ p_{8,58} + p_{7,70} + p_{8,182} + p_{8,118} + 2p_{7,14} + p_{8,46} + p_{7,110} + p_{8,158}\\ &+ p_{8,193} + p_{8,33} + p_{8,153} + p_{8,89} + p_{7,121} + p_{8,133} + p_{8,165} + p_{8,101}\\ &+ p_{8,53} + 2p_{8,117} + p_{8,77} + p_{7,45} + p_{8,157} + p_{8,195} + p_{8,147} + p_{8,179}\\ &+ p_{8,203} + 2p_{8,43} + p_{8,155} + p_{8,91} + p_{8,167} + 2p_{8,103} + p_{8,231} + p_{8,151}\\ &+ p_{8,143} + p_{8,175} + p_{8,111} + p_{8,31} + p_{8,223})\end{aligned}}$$

$$p_{9,370} = \frac{1}{2}p_{8,114} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,114}^2 - 4(p_{7,0} + p_{8,192} + p_{8,144} + p_{8,184} + p_{8,4} + 3p_{8,196}\\ &+ p_{8,164} + p_{8,44} + p_{8,108} + p_{8,220} + p_{8,226} + p_{8,242} + p_{8,202} + p_{8,170}\\ &+ p_{8,58} + p_{7,70} + p_{8,182} + p_{8,118} + 2p_{7,14} + p_{8,46} + p_{7,110} + p_{8,158}\\ &+ p_{8,193} + p_{8,33} + p_{8,153} + p_{8,89} + p_{7,121} + p_{8,133} + p_{8,165} + p_{8,101}\\ &+ p_{8,53} + 2p_{8,117} + p_{8,77} + p_{7,45} + p_{8,157} + p_{8,195} + p_{8,147} + p_{8,179}\\ &+ p_{8,203} + 2p_{8,43} + p_{8,155} + p_{8,91} + p_{8,167} + 2p_{8,103} + p_{8,231} + p_{8,151}\\ &+ p_{8,143} + p_{8,175} + p_{8,111} + p_{8,31} + p_{8,223})\end{aligned}}$$

$$p_{9,242} = \frac{1}{2}p_{8,242} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,242}^2 - 4(p_{7,0} + p_{8,64} + p_{8,16} + p_{8,56} + p_{8,132} + 3p_{8,68}\\ &+ p_{8,36} + p_{8,172} + p_{8,236} + p_{8,92} + p_{8,98} + p_{8,114} + p_{8,74} + p_{8,42}\\ &+ p_{8,186} + p_{7,70} + p_{8,54} + p_{8,246} + 2p_{7,14} + p_{8,174} + p_{7,110} + p_{8,30}\\ &+ p_{8,65} + p_{8,161} + p_{8,25} + p_{8,217} + p_{7,121} + p_{8,5} + p_{8,37} + p_{8,229}\\ &+ p_{8,181} + 2p_{8,245} + p_{8,205} + p_{7,45} + p_{8,29} + p_{8,67} + p_{8,19} + p_{8,51}\\ &+ p_{8,75} + 2p_{8,171} + p_{8,27} + p_{8,219} + p_{8,39} + p_{8,103} + 2p_{8,231} + p_{8,23}\\ &+ p_{8,15} + p_{8,47} + p_{8,239} + p_{8,159} + p_{8,95})\end{aligned}}$$

$$p_{9,498} = \frac{1}{2}p_{8,242} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,242}^2 - 4(p_{7,0} + p_{8,64} + p_{8,16} + p_{8,56} + p_{8,132} + 3p_{8,68}\\ &+ p_{8,36} + p_{8,172} + p_{8,236} + p_{8,92} + p_{8,98} + p_{8,114} + p_{8,74} + p_{8,42}\\ &+ p_{8,186} + p_{7,70} + p_{8,54} + p_{8,246} + 2p_{7,14} + p_{8,174} + p_{7,110} + p_{8,30}\\ &+ p_{8,65} + p_{8,161} + p_{8,25} + p_{8,217} + p_{7,121} + p_{8,5} + p_{8,37} + p_{8,229}\\ &+ p_{8,181} + 2p_{8,245} + p_{8,205} + p_{7,45} + p_{8,29} + p_{8,67} + p_{8,19} + p_{8,51}\\ &+ p_{8,75} + 2p_{8,171} + p_{8,27} + p_{8,219} + p_{8,39} + p_{8,103} + 2p_{8,231} + p_{8,23}\\ &+ p_{8,15} + p_{8,47} + p_{8,239} + p_{8,159} + p_{8,95})\end{aligned}}$$

$$p_{9,10} = \frac{1}{2}p_{8,10} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,10}^2 - 4(p_{8,80} + p_{8,40} + p_{7,24} + p_{8,88} + p_{8,4} + p_{8,196}\\ &+ p_{8,116} + p_{8,156} + 3p_{8,92} + p_{8,60} + p_{8,66} + p_{8,98} + p_{8,210} + p_{8,138}\\ &+ p_{8,122} + p_{7,6} + p_{8,198} + 2p_{7,38} + p_{8,54} + p_{8,14} + p_{8,78} + p_{7,94}\\ &+ p_{7,17} + p_{8,49} + p_{8,241} + p_{8,89} + p_{8,185} + p_{7,69} + p_{8,229} + p_{8,53}\\ &+ 2p_{8,13} + p_{8,205} + p_{8,29} + p_{8,61} + p_{8,253} + 2p_{8,195} + p_{8,99} + p_{8,51}\\ &+ p_{8,243} + p_{8,75} + p_{8,43} + p_{8,91} + p_{8,7} + p_{8,71} + p_{8,39} + p_{8,183}\\ &+ p_{8,119} + p_{8,47} + p_{8,63} + p_{8,127} + 2p_{8,255})\end{aligned}}$$

$$p_{9,266} = \frac{1}{2}p_{8,10} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,10}^2 - 4(p_{8,80} + p_{8,40} + p_{7,24} + p_{8,88} + p_{8,4} + p_{8,196}\\ &+ p_{8,116} + p_{8,156} + 3p_{8,92} + p_{8,60} + p_{8,66} + p_{8,98} + p_{8,210} + p_{8,138}\\ &+ p_{8,122} + p_{7,6} + p_{8,198} + 2p_{7,38} + p_{8,54} + p_{8,14} + p_{8,78} + p_{7,94}\\ &+ p_{7,17} + p_{8,49} + p_{8,241} + p_{8,89} + p_{8,185} + p_{7,69} + p_{8,229} + p_{8,53}\\ &+ 2p_{8,13} + p_{8,205} + p_{8,29} + p_{8,61} + p_{8,253} + 2p_{8,195} + p_{8,99} + p_{8,51}\\ &+ p_{8,243} + p_{8,75} + p_{8,43} + p_{8,91} + p_{8,7} + p_{8,71} + p_{8,39} + p_{8,183}\\ &+ p_{8,119} + p_{8,47} + p_{8,63} + p_{8,127} + 2p_{8,255})\end{aligned}}$$

$$p_{9,138} = \frac{1}{2}p_{8,138} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,138}^2 - 4(p_{8,208} + p_{8,168} + p_{7,24} + p_{8,216} + p_{8,132} + p_{8,68}\\ &+ p_{8,244} + p_{8,28} + 3p_{8,220} + p_{8,188} + p_{8,194} + p_{8,226} + p_{8,82} + p_{8,10}\\ &+ p_{8,250} + p_{7,6} + p_{8,70} + 2p_{7,38} + p_{8,182} + p_{8,142} + p_{8,206} + p_{7,94}\\ &+ p_{7,17} + p_{8,177} + p_{8,113} + p_{8,217} + p_{8,57} + p_{7,69} + p_{8,101} + p_{8,181}\\ &+ 2p_{8,141} + p_{8,77} + p_{8,157} + p_{8,189} + p_{8,125} + 2p_{8,67} + p_{8,227} + p_{8,179}\\ &+ p_{8,115} + p_{8,203} + p_{8,171} + p_{8,219} + p_{8,135} + p_{8,199} + p_{8,167} + p_{8,55}\\ &+ p_{8,247} + p_{8,175} + p_{8,191} + 2p_{8,127} + p_{8,255})\end{aligned}}$$

$$p_{9,394} = \frac{1}{2}p_{8,138} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,138}^2 - 4(p_{8,208} + p_{8,168} + p_{7,24} + p_{8,216} + p_{8,132} + p_{8,68}\\ &+ p_{8,244} + p_{8,28} + 3p_{8,220} + p_{8,188} + p_{8,194} + p_{8,226} + p_{8,82} + p_{8,10}\\ &+ p_{8,250} + p_{7,6} + p_{8,70} + 2p_{7,38} + p_{8,182} + p_{8,142} + p_{8,206} + p_{7,94}\\ &+ p_{7,17} + p_{8,177} + p_{8,113} + p_{8,217} + p_{8,57} + p_{7,69} + p_{8,101} + p_{8,181}\\ &+ 2p_{8,141} + p_{8,77} + p_{8,157} + p_{8,189} + p_{8,125} + 2p_{8,67} + p_{8,227} + p_{8,179}\\ &+ p_{8,115} + p_{8,203} + p_{8,171} + p_{8,219} + p_{8,135} + p_{8,199} + p_{8,167} + p_{8,55}\\ &+ p_{8,247} + p_{8,175} + p_{8,191} + 2p_{8,127} + p_{8,255})\end{aligned}}$$

$$p_{9,74} = \frac{1}{2}p_{8,74} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,74}^2 - 4(p_{8,144} + p_{8,104} + p_{8,152} + p_{7,88} + p_{8,4} + p_{8,68}\\ &+ p_{8,180} + 3p_{8,156} + p_{8,220} + p_{8,124} + p_{8,130} + p_{8,162} + p_{8,18}\\ &+ p_{8,202} + p_{8,186} + p_{8,6} + p_{7,70} + 2p_{7,102} + p_{8,118} + p_{8,142} + p_{8,78}\\ &+ p_{7,30} + p_{7,81} + p_{8,49} + p_{8,113} + p_{8,153} + p_{8,249} + p_{7,5} + p_{8,37}\\ &+ p_{8,117} + p_{8,13} + 2p_{8,77} + p_{8,93} + p_{8,61} + p_{8,125} + 2p_{8,3} + p_{8,163}\\ &+ p_{8,51} + p_{8,115} + p_{8,139} + p_{8,107} + p_{8,155} + p_{8,135} + p_{8,71} + p_{8,103}\\ &+ p_{8,183} + p_{8,247} + p_{8,111} + 2p_{8,63} + p_{8,191} + p_{8,127})\end{aligned}}$$

$$p_{9,330} = \frac{1}{2}p_{8,74} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,74}^2 - 4(p_{8,144} + p_{8,104} + p_{8,152} + p_{7,88} + p_{8,4} + p_{8,68}\\ &+ p_{8,180} + 3p_{8,156} + p_{8,220} + p_{8,124} + p_{8,130} + p_{8,162} + p_{8,18}\\ &+ p_{8,202} + p_{8,186} + p_{8,6} + p_{7,70} + 2p_{7,102} + p_{8,118} + p_{8,142} + p_{8,78}\\ &+ p_{7,30} + p_{7,81} + p_{8,49} + p_{8,113} + p_{8,153} + p_{8,249} + p_{7,5} + p_{8,37}\\ &+ p_{8,117} + p_{8,13} + 2p_{8,77} + p_{8,93} + p_{8,61} + p_{8,125} + 2p_{8,3} + p_{8,163}\\ &+ p_{8,51} + p_{8,115} + p_{8,139} + p_{8,107} + p_{8,155} + p_{8,135} + p_{8,71} + p_{8,103}\\ &+ p_{8,183} + p_{8,247} + p_{8,111} + 2p_{8,63} + p_{8,191} + p_{8,127})\end{aligned}}$$

$$p_{9,202} = \frac{1}{2}p_{8,202} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,202}^2 - 4(p_{8,16} + p_{8,232} + p_{8,24} + p_{7,88} + p_{8,132} + p_{8,196}\\ &+ p_{8,52} + 3p_{8,28} + p_{8,92} + p_{8,252} + p_{8,2} + p_{8,34} + p_{8,146} + p_{8,74}\\ &+ p_{8,58} + p_{8,134} + p_{7,70} + 2p_{7,102} + p_{8,246} + p_{8,14} + p_{8,206} + p_{7,30}\\ &+ p_{7,81} + p_{8,177} + p_{8,241} + p_{8,25} + p_{8,121} + p_{7,5} + p_{8,165} + p_{8,245}\\ &+ p_{8,141} + 2p_{8,205} + p_{8,221} + p_{8,189} + p_{8,253} + 2p_{8,131} + p_{8,35}\\ &+ p_{8,179} + p_{8,243} + p_{8,11} + p_{8,235} + p_{8,27} + p_{8,7} + p_{8,199} + p_{8,231}\\ &+ p_{8,55} + p_{8,119} + p_{8,239} + p_{8,63} + 2p_{8,191} + p_{8,255})\end{aligned}}$$

$$p_{9,458} = \frac{1}{2}p_{8,202} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,202}^2 - 4(p_{8,16} + p_{8,232} + p_{8,24} + p_{7,88} + p_{8,132} + p_{8,196}\\ &+ p_{8,52} + 3p_{8,28} + p_{8,92} + p_{8,252} + p_{8,2} + p_{8,34} + p_{8,146} + p_{8,74}\\ &+ p_{8,58} + p_{8,134} + p_{7,70} + 2p_{7,102} + p_{8,246} + p_{8,14} + p_{8,206} + p_{7,30}\\ &+ p_{7,81} + p_{8,177} + p_{8,241} + p_{8,25} + p_{8,121} + p_{7,5} + p_{8,165} + p_{8,245}\\ &+ p_{8,141} + 2p_{8,205} + p_{8,221} + p_{8,189} + p_{8,253} + 2p_{8,131} + p_{8,35}\\ &+ p_{8,179} + p_{8,243} + p_{8,11} + p_{8,235} + p_{8,27} + p_{8,7} + p_{8,199} + p_{8,231}\\ &+ p_{8,55} + p_{8,119} + p_{8,239} + p_{8,63} + 2p_{8,191} + p_{8,255})\end{aligned}}$$

$$p_{9,42} = \frac{1}{2}p_{8,42} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,42}^2 - 4(p_{8,112} + p_{8,72} + p_{7,56} + p_{8,120} + p_{8,36} + p_{8,228}\\ &+ p_{8,148} + p_{8,92} + p_{8,188} + 3p_{8,124} + p_{8,130} + p_{8,98} + p_{8,242}\\ &+ p_{8,170} + p_{8,154} + 2p_{7,70} + p_{7,38} + p_{8,230} + p_{8,86} + p_{8,46} + p_{8,110}\\ &+ p_{7,126} + p_{8,17} + p_{8,81} + p_{7,49} + p_{8,217} + p_{8,121} + p_{8,5} + p_{7,101}\\ &+ p_{8,85} + 2p_{8,45} + p_{8,237} + p_{8,29} + p_{8,93} + p_{8,61} + p_{8,131} + 2p_{8,227}\\ &+ p_{8,19} + p_{8,83} + p_{8,75} + p_{8,107} + p_{8,123} + p_{8,71} + p_{8,39} + p_{8,103}\\ &+ p_{8,151} + p_{8,215} + p_{8,79} + 2p_{8,31} + p_{8,159} + p_{8,95})\end{aligned}}$$

$$p_{9,298} = \frac{1}{2}p_{8,42} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,42}^2 - 4(p_{8,112} + p_{8,72} + p_{7,56} + p_{8,120} + p_{8,36} + p_{8,228}\\&+ p_{8,148} + p_{8,92} + p_{8,188} + 3p_{8,124} + p_{8,130} + p_{8,98} + p_{8,242}\\&+ p_{8,170} + p_{8,154} + 2p_{7,70} + p_{7,38} + p_{8,230} + p_{8,86} + p_{8,46} + p_{8,110}\\&+ p_{7,126} + p_{8,17} + p_{8,81} + p_{7,49} + p_{8,217} + p_{8,121} + p_{8,5} + p_{7,101}\\&+ p_{8,85} + 2p_{8,45} + p_{8,237} + p_{8,29} + p_{8,93} + p_{8,61} + p_{8,131} + 2p_{8,227}\\&+ p_{8,19} + p_{8,83} + p_{8,75} + p_{8,107} + p_{8,123} + p_{8,71} + p_{8,39} + p_{8,103}\\&+ p_{8,151} + p_{8,215} + p_{8,79} + 2p_{8,31} + p_{8,159} + p_{8,95})\end{aligned}}$$

$$p_{9,170} = \frac{1}{2}p_{8,170} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,170}^2 - 4(p_{8,240} + p_{8,200} + p_{7,56} + p_{8,248} + p_{8,164} + p_{8,100}\\&+ p_{8,20} + p_{8,220} + p_{8,60} + 3p_{8,252} + p_{8,2} + p_{8,226} + p_{8,114} + p_{8,42}\\&+ p_{8,26} + 2p_{7,70} + p_{7,38} + p_{8,102} + p_{8,214} + p_{8,174} + p_{8,238} + p_{7,126}\\&+ p_{8,145} + p_{8,209} + p_{7,49} + p_{8,89} + p_{8,249} + p_{8,133} + p_{7,101} + p_{8,213}\\&+ 2p_{8,173} + p_{8,109} + p_{8,157} + p_{8,221} + p_{8,189} + p_{8,3} + 2p_{8,99} + p_{8,147}\\&+ p_{8,211} + p_{8,203} + p_{8,235} + p_{8,251} + p_{8,199} + p_{8,167} + p_{8,231} + p_{8,23}\\&+ p_{8,87} + p_{8,207} + p_{8,31} + 2p_{8,159} + p_{8,223})\end{aligned}}$$

$$p_{9,426} = \frac{1}{2}p_{8,170} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,170}^2 - 4(p_{8,240} + p_{8,200} + p_{7,56} + p_{8,248} + p_{8,164} + p_{8,100}\\&+ p_{8,20} + p_{8,220} + p_{8,60} + 3p_{8,252} + p_{8,2} + p_{8,226} + p_{8,114} + p_{8,42}\\&+ p_{8,26} + 2p_{7,70} + p_{7,38} + p_{8,102} + p_{8,214} + p_{8,174} + p_{8,238} + p_{7,126}\\&+ p_{8,145} + p_{8,209} + p_{7,49} + p_{8,89} + p_{8,249} + p_{8,133} + p_{7,101} + p_{8,213}\\&+ 2p_{8,173} + p_{8,109} + p_{8,157} + p_{8,221} + p_{8,189} + p_{8,3} + 2p_{8,99} + p_{8,147}\\&+ p_{8,211} + p_{8,203} + p_{8,235} + p_{8,251} + p_{8,199} + p_{8,167} + p_{8,231} + p_{8,23}\\&+ p_{8,87} + p_{8,207} + p_{8,31} + 2p_{8,159} + p_{8,223})\end{aligned}}$$

$$p_{9,106} = \frac{1}{2}p_{8,106} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,106}^2 - 4(p_{8,176} + p_{8,136} + p_{8,184} + p_{7,120} + p_{8,36} + p_{8,100}\\&+ p_{8,212} + p_{8,156} + 3p_{8,188} + p_{8,252} + p_{8,194} + p_{8,162} + p_{8,50} + p_{8,234}\\&+ p_{8,218} + 2p_{7,6} + p_{8,38} + p_{7,102} + p_{8,150} + p_{8,174} + p_{8,110} + p_{7,62}\\&+ p_{8,145} + p_{8,81} + p_{7,113} + p_{8,25} + p_{8,185} + p_{8,69} + p_{7,37} + p_{8,149}\\&+ p_{8,45} + 2p_{8,109} + p_{8,157} + p_{8,93} + p_{8,125} + p_{8,195} + 2p_{8,35} + p_{8,147}\\&+ p_{8,83} + p_{8,139} + p_{8,171} + p_{8,187} + p_{8,135} + p_{8,167} + p_{8,103} + p_{8,23}\\&+ p_{8,215} + p_{8,143} + p_{8,159} + 2p_{8,95} + p_{8,223})\end{aligned}}$$

$$p_{9,362} = \frac{1}{2}p_{8,106} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,106}^2 - 4(p_{8,176} + p_{8,136} + p_{8,184} + p_{7,120} + p_{8,36} + p_{8,100}\\&+ p_{8,212} + p_{8,156} + 3p_{8,188} + p_{8,252} + p_{8,194} + p_{8,162} + p_{8,50} + p_{8,234}\\&+ p_{8,218} + 2p_{7,6} + p_{8,38} + p_{7,102} + p_{8,150} + p_{8,174} + p_{8,110} + p_{7,62}\\&+ p_{8,145} + p_{8,81} + p_{7,113} + p_{8,25} + p_{8,185} + p_{8,69} + p_{7,37} + p_{8,149}\\&+ p_{8,45} + 2p_{8,109} + p_{8,157} + p_{8,93} + p_{8,125} + p_{8,195} + 2p_{8,35} + p_{8,147}\\&+ p_{8,83} + p_{8,139} + p_{8,171} + p_{8,187} + p_{8,135} + p_{8,167} + p_{8,103} + p_{8,23}\\&+ p_{8,215} + p_{8,143} + p_{8,159} + 2p_{8,95} + p_{8,223})\end{aligned}}$$

$$p_{9,234} = \frac{1}{2}p_{8,234} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,234}^2 - 4(p_{8,48} + p_{8,8} + p_{8,56} + p_{7,120} + p_{8,164} + p_{8,228}\\&+ p_{8,84} + p_{8,28} + 3p_{8,60} + p_{8,124} + p_{8,66} + p_{8,34} + p_{8,178} + p_{8,106}\\&+ p_{8,90} + 2p_{7,6} + p_{8,166} + p_{7,102} + p_{8,22} + p_{8,46} + p_{8,238} + p_{7,62}\\&+ p_{8,17} + p_{8,209} + p_{7,113} + p_{8,153} + p_{8,57} + p_{8,197} + p_{7,37} + p_{8,21}\\&+ p_{8,173} + 2p_{8,237} + p_{8,29} + p_{8,221} + p_{8,253} + p_{8,67} + 2p_{8,163}\\&+ p_{8,19} + p_{8,211} + p_{8,11} + p_{8,43} + p_{8,59} + p_{8,7} + p_{8,39} + p_{8,231}\\&+ p_{8,151} + p_{8,87} + p_{8,15} + p_{8,31} + p_{8,95} + 2p_{8,223})\end{aligned}}$$

$$p_{9,490} = \frac{1}{2}p_{8,234} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,234}^2 - 4(p_{8,48} + p_{8,8} + p_{8,56} + p_{7,120} + p_{8,164} + p_{8,228}\\&+ p_{8,84} + p_{8,28} + 3p_{8,60} + p_{8,124} + p_{8,66} + p_{8,34} + p_{8,178} + p_{8,106}\\&+ p_{8,90} + 2p_{7,6} + p_{8,166} + p_{7,102} + p_{8,22} + p_{8,46} + p_{8,238} + p_{7,62}\\&+ p_{8,17} + p_{8,209} + p_{7,113} + p_{8,153} + p_{8,57} + p_{8,197} + p_{7,37} + p_{8,21}\\&+ p_{8,173} + 2p_{8,237} + p_{8,29} + p_{8,221} + p_{8,253} + p_{8,67} + 2p_{8,163}\\&+ p_{8,19} + p_{8,211} + p_{8,11} + p_{8,43} + p_{8,59} + p_{8,7} + p_{8,39} + p_{8,231}\\&+ p_{8,151} + p_{8,87} + p_{8,15} + p_{8,31} + p_{8,95} + 2p_{8,223})\end{aligned}}$$

$$p_{9,26} = \frac{1}{2}p_{8,26} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,26}^2 - 4(p_{8,96} + p_{7,40} + p_{8,104} + p_{8,56} + p_{8,132} + p_{8,20}\\&+ p_{8,212} + p_{8,76} + p_{8,172} + 3p_{8,108} + p_{8,226} + p_{8,82} + p_{8,114}\\&+ p_{8,138} + p_{8,154} + p_{8,70} + p_{7,22} + p_{8,214} + 2p_{7,54} + p_{7,110} + p_{8,30}\\&+ p_{8,94} + p_{8,1} + p_{8,65} + p_{7,33} + p_{8,201} + p_{8,105} + p_{8,69} + p_{7,85}\\&+ p_{8,245} + p_{8,13} + p_{8,77} + p_{8,45} + 2p_{8,29} + p_{8,221} + p_{8,3} + p_{8,67}\\&+ 2p_{8,211} + p_{8,115} + p_{8,107} + p_{8,91} + p_{8,59} + p_{8,135} + p_{8,199} + p_{8,23}\\&+ p_{8,87} + p_{8,55} + 2p_{8,15} + p_{8,143} + p_{8,79} + p_{8,63})\end{aligned}}$$

$$p_{9,282} = \frac{1}{2}p_{8,26} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,26}^2 - 4(p_{8,96} + p_{7,40} + p_{8,104} + p_{8,56} + p_{8,132} + p_{8,20}\\&+ p_{8,212} + p_{8,76} + p_{8,172} + 3p_{8,108} + p_{8,226} + p_{8,82} + p_{8,114}\\&+ p_{8,138} + p_{8,154} + p_{8,70} + p_{7,22} + p_{8,214} + 2p_{7,54} + p_{7,110} + p_{8,30}\\&+ p_{8,94} + p_{8,1} + p_{8,65} + p_{7,33} + p_{8,201} + p_{8,105} + p_{8,69} + p_{7,85}\\&+ p_{8,245} + p_{8,13} + p_{8,77} + p_{8,45} + 2p_{8,29} + p_{8,221} + p_{8,3} + p_{8,67}\\&+ 2p_{8,211} + p_{8,115} + p_{8,107} + p_{8,91} + p_{8,59} + p_{8,135} + p_{8,199} + p_{8,23}\\&+ p_{8,87} + p_{8,55} + 2p_{8,15} + p_{8,143} + p_{8,79} + p_{8,63})\end{aligned}}$$

$$p_{9,154} = \frac{1}{2}p_{8,154} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,154}^2 - 4(p_{8,224} + p_{7,40} + p_{8,232} + p_{8,184} + p_{8,4} + p_{8,148}\\&+ p_{8,84} + p_{8,204} + p_{8,44} + 3p_{8,236} + p_{8,98} + p_{8,210} + p_{8,242} + p_{8,10}\\&+ p_{8,26} + p_{8,198} + p_{7,22} + p_{8,86} + 2p_{7,54} + p_{7,110} + p_{8,158} + p_{8,222}\\&+ p_{8,129} + p_{8,193} + p_{7,33} + p_{8,73} + p_{8,233} + p_{8,197} + p_{7,85} + p_{8,117}\\&+ p_{8,141} + p_{8,205} + p_{8,173} + 2p_{8,157} + p_{8,93} + p_{8,131} + p_{8,195} + 2p_{8,83}\\&+ p_{8,243} + p_{8,235} + p_{8,219} + p_{8,187} + p_{8,7} + p_{8,71} + p_{8,151} + p_{8,215}\\&+ p_{8,183} + p_{8,15} + 2p_{8,143} + p_{8,207} + p_{8,191})\end{aligned}}$$

$$p_{9,410} = \frac{1}{2}p_{8,154} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,154}^2 - 4(p_{8,224} + p_{7,40} + p_{8,232} + p_{8,184} + p_{8,4} + p_{8,148}\\ &+ p_{8,84} + p_{8,204} + p_{8,44} + 3p_{8,236} + p_{8,98} + p_{8,210} + p_{8,242} + p_{8,10}\\ &+ p_{8,26} + p_{8,198} + p_{7,22} + p_{8,86} + 2p_{7,54} + p_{7,110} + p_{8,158} + p_{8,222}\\ &+ p_{8,129} + p_{8,193} + p_{7,33} + p_{8,73} + p_{8,233} + p_{8,197} + p_{7,85} + p_{8,117}\\ &+ p_{8,141} + p_{8,205} + p_{8,173} + 2p_{8,157} + p_{8,93} + p_{8,131} + p_{8,195} + 2p_{8,83}\\ &+ p_{8,243} + p_{8,235} + p_{8,219} + p_{8,187} + p_{8,7} + p_{8,71} + p_{8,151} + p_{8,215}\\ &+ p_{8,183} + p_{8,15} + 2p_{8,143} + p_{8,207} + p_{8,191})\end{aligned}}$$

$$p_{9,90} = \frac{1}{2}p_{8,90} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,90}^2 - 4(p_{8,160} + p_{8,168} + p_{7,104} + p_{8,120} + p_{8,196} + p_{8,20}\\ &+ p_{8,84} + p_{8,140} + 3p_{8,172} + p_{8,236} + p_{8,34} + p_{8,146} + p_{8,178} + p_{8,202}\\ &+ p_{8,218} + p_{8,134} + p_{8,22} + p_{7,86} + 2p_{7,118} + p_{7,46} + p_{8,158} + p_{8,94}\\ &+ p_{8,129} + p_{8,65} + p_{7,97} + p_{8,9} + p_{8,169} + p_{8,133} + p_{7,21} + p_{8,53}\\ &+ p_{8,141} + p_{8,77} + p_{8,109} + p_{8,29} + 2p_{8,93} + p_{8,131} + p_{8,67} + 2p_{8,19}\\ &+ p_{8,179} + p_{8,171} + p_{8,155} + p_{8,123} + p_{8,7} + p_{8,199} + p_{8,151} + p_{8,87}\\ &+ p_{8,119} + p_{8,143} + 2p_{8,79} + p_{8,207} + p_{8,127})\end{aligned}}$$

$$p_{9,346} = \frac{1}{2}p_{8,90} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,90}^2 - 4(p_{8,160} + p_{8,168} + p_{7,104} + p_{8,120} + p_{8,196} + p_{8,20}\\ &+ p_{8,84} + p_{8,140} + 3p_{8,172} + p_{8,236} + p_{8,34} + p_{8,146} + p_{8,178} + p_{8,202}\\ &+ p_{8,218} + p_{8,134} + p_{8,22} + p_{7,86} + 2p_{7,118} + p_{7,46} + p_{8,158} + p_{8,94}\\ &+ p_{8,129} + p_{8,65} + p_{7,97} + p_{8,9} + p_{8,169} + p_{8,133} + p_{7,21} + p_{8,53}\\ &+ p_{8,141} + p_{8,77} + p_{8,109} + p_{8,29} + 2p_{8,93} + p_{8,131} + p_{8,67} + 2p_{8,19}\\ &+ p_{8,179} + p_{8,171} + p_{8,155} + p_{8,123} + p_{8,7} + p_{8,199} + p_{8,151} + p_{8,87}\\ &+ p_{8,119} + p_{8,143} + 2p_{8,79} + p_{8,207} + p_{8,127})\end{aligned}}$$

$$p_{9,218} = \frac{1}{2}p_{8,218} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,218}^2 - 4(p_{8,32} + p_{8,40} + p_{7,104} + p_{8,248} + p_{8,68} + p_{8,148}\\ &+ p_{8,212} + p_{8,12} + 3p_{8,44} + p_{8,108} + p_{8,162} + p_{8,18} + p_{8,50} + p_{8,74}\\ &+ p_{8,90} + p_{8,6} + p_{8,150} + p_{7,86} + 2p_{7,118} + p_{7,46} + p_{8,30} + p_{8,222}\\ &+ p_{8,1} + p_{8,193} + p_{7,97} + p_{8,137} + p_{8,41} + p_{8,5} + p_{7,21} + p_{8,181}\\ &+ p_{8,13} + p_{8,205} + p_{8,237} + p_{8,157} + 2p_{8,221} + p_{8,3} + p_{8,195}\\ &+ 2p_{8,147} + p_{8,51} + p_{8,43} + p_{8,27} + p_{8,251} + p_{8,135} + p_{8,71} + p_{8,23}\\ &+ p_{8,215} + p_{8,247} + p_{8,15} + p_{8,79} + 2p_{8,207} + p_{8,255})\end{aligned}}$$

$$p_{9,474} = \frac{1}{2}p_{8,218} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,218}^2 - 4(p_{8,32} + p_{8,40} + p_{7,104} + p_{8,248} + p_{8,68} + p_{8,148}\\ &+ p_{8,212} + p_{8,12} + 3p_{8,44} + p_{8,108} + p_{8,162} + p_{8,18} + p_{8,50} + p_{8,74}\\ &+ p_{8,90} + p_{8,6} + p_{8,150} + p_{7,86} + 2p_{7,118} + p_{7,46} + p_{8,30} + p_{8,222}\\ &+ p_{8,1} + p_{8,193} + p_{7,97} + p_{8,137} + p_{8,41} + p_{8,5} + p_{7,21} + p_{8,181}\\ &+ p_{8,13} + p_{8,205} + p_{8,237} + p_{8,157} + 2p_{8,221} + p_{8,3} + p_{8,195}\\ &+ 2p_{8,147} + p_{8,51} + p_{8,43} + p_{8,27} + p_{8,251} + p_{8,135} + p_{8,71} + p_{8,23}\\ &+ p_{8,215} + p_{8,247} + p_{8,15} + p_{8,79} + 2p_{8,207} + p_{8,255})\end{aligned}}$$

$$p_{9,58} = \frac{1}{2}p_{8,58} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,58}^2 - 4(p_{8,128} + p_{8,136} + p_{7,72} + p_{8,88} + p_{8,164} + p_{8,52}\\&+ p_{8,244} + 3p_{8,140} + p_{8,204} + p_{8,108} + p_{8,2} + p_{8,146} + p_{8,114} + p_{8,170}\\&+ p_{8,186} + p_{8,102} + 2p_{7,86} + p_{7,54} + p_{8,246} + p_{7,14} + p_{8,62} + p_{8,126}\\&+ p_{7,65} + p_{8,33} + p_{8,97} + p_{8,137} + p_{8,233} + p_{8,101} + p_{8,21} + p_{7,117}\\&+ p_{8,77} + p_{8,45} + p_{8,109} + 2p_{8,61} + p_{8,253} + p_{8,35} + p_{8,99} + p_{8,147}\\&+ 2p_{8,243} + p_{8,139} + p_{8,91} + p_{8,123} + p_{8,167} + p_{8,231} + p_{8,87} + p_{8,55}\\&+ p_{8,119} + 2p_{8,47} + p_{8,175} + p_{8,111} + p_{8,95})\end{aligned}}$$

$$p_{9,314} = \frac{1}{2}p_{8,58} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,58}^2 - 4(p_{8,128} + p_{8,136} + p_{7,72} + p_{8,88} + p_{8,164} + p_{8,52}\\&+ p_{8,244} + 3p_{8,140} + p_{8,204} + p_{8,108} + p_{8,2} + p_{8,146} + p_{8,114} + p_{8,170}\\&+ p_{8,186} + p_{8,102} + 2p_{7,86} + p_{7,54} + p_{8,246} + p_{7,14} + p_{8,62} + p_{8,126}\\&+ p_{7,65} + p_{8,33} + p_{8,97} + p_{8,137} + p_{8,233} + p_{8,101} + p_{8,21} + p_{7,117}\\&+ p_{8,77} + p_{8,45} + p_{8,109} + 2p_{8,61} + p_{8,253} + p_{8,35} + p_{8,99} + p_{8,147}\\&+ 2p_{8,243} + p_{8,139} + p_{8,91} + p_{8,123} + p_{8,167} + p_{8,231} + p_{8,87} + p_{8,55}\\&+ p_{8,119} + 2p_{8,47} + p_{8,175} + p_{8,111} + p_{8,95})\end{aligned}}$$

$$p_{9,186} = \frac{1}{2}p_{8,186} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,186}^2 - 4(p_{8,0} + p_{8,8} + p_{7,72} + p_{8,216} + p_{8,36} + p_{8,180}\\&+ p_{8,116} + 3p_{8,12} + p_{8,76} + p_{8,236} + p_{8,130} + p_{8,18} + p_{8,242} + p_{8,42}\\&+ p_{8,58} + p_{8,230} + 2p_{7,86} + p_{7,54} + p_{8,118} + p_{7,14} + p_{8,190} + p_{8,254}\\&+ p_{7,65} + p_{8,161} + p_{8,225} + p_{8,9} + p_{8,105} + p_{8,229} + p_{8,149} + p_{7,117}\\&+ p_{8,205} + p_{8,173} + p_{8,237} + 2p_{8,189} + p_{8,125} + p_{8,163} + p_{8,227}\\&+ p_{8,19} + 2p_{8,115} + p_{8,11} + p_{8,219} + p_{8,251} + p_{8,39} + p_{8,103} + p_{8,215}\\&+ p_{8,183} + p_{8,247} + p_{8,47} + 2p_{8,175} + p_{8,239} + p_{8,223})\end{aligned}}$$

$$p_{9,442} = \frac{1}{2}p_{8,186} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,186}^2 - 4(p_{8,0} + p_{8,8} + p_{7,72} + p_{8,216} + p_{8,36} + p_{8,180}\\&+ p_{8,116} + 3p_{8,12} + p_{8,76} + p_{8,236} + p_{8,130} + p_{8,18} + p_{8,242} + p_{8,42}\\&+ p_{8,58} + p_{8,230} + 2p_{7,86} + p_{7,54} + p_{8,118} + p_{7,14} + p_{8,190} + p_{8,254}\\&+ p_{7,65} + p_{8,161} + p_{8,225} + p_{8,9} + p_{8,105} + p_{8,229} + p_{8,149} + p_{7,117}\\&+ p_{8,205} + p_{8,173} + p_{8,237} + 2p_{8,189} + p_{8,125} + p_{8,163} + p_{8,227}\\&+ p_{8,19} + 2p_{8,115} + p_{8,11} + p_{8,219} + p_{8,251} + p_{8,39} + p_{8,103} + p_{8,215}\\&+ p_{8,183} + p_{8,247} + p_{8,47} + 2p_{8,175} + p_{8,239} + p_{8,223})\end{aligned}}$$

$$p_{9,122} = \frac{1}{2}p_{8,122} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,122}^2 - 4(p_{8,192} + p_{7,8} + p_{8,200} + p_{8,152} + p_{8,228} + p_{8,52}\\&+ p_{8,116} + p_{8,12} + 3p_{8,204} + p_{8,172} + p_{8,66} + p_{8,210} + p_{8,178} + p_{8,234}\\&+ p_{8,250} + p_{8,166} + 2p_{7,22} + p_{8,54} + p_{7,118} + p_{7,78} + p_{8,190} + p_{8,126}\\&+ p_{7,1} + p_{8,161} + p_{8,97} + p_{8,201} + p_{8,41} + p_{8,165} + p_{8,85} + p_{7,53}\\&+ p_{8,141} + p_{8,173} + p_{8,109} + p_{8,61} + 2p_{8,125} + p_{8,163} + p_{8,99} + p_{8,211}\\&+ 2p_{8,51} + p_{8,203} + p_{8,155} + p_{8,187} + p_{8,39} + p_{8,231} + p_{8,151} + p_{8,183}\\&+ p_{8,119} + p_{8,175} + 2p_{8,111} + p_{8,239} + p_{8,159})\end{aligned}}$$

$$p_{9,378} = \frac{1}{2}p_{8,122} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,122}^2 - 4(p_{8,192} + p_{7,8} + p_{8,200} + p_{8,152} + p_{8,228} + p_{8,52}\\ &+ p_{8,116} + p_{8,12} + 3p_{8,204} + p_{8,172} + p_{8,66} + p_{8,210} + p_{8,178} + p_{8,234}\\ &+ p_{8,250} + p_{8,166} + 2p_{7,22} + p_{8,54} + p_{7,118} + p_{7,78} + p_{8,190} + p_{8,126}\\ &+ p_{7,1} + p_{8,161} + p_{8,97} + p_{8,201} + p_{8,41} + p_{8,165} + p_{8,85} + p_{7,53}\\ &+ p_{8,141} + p_{8,173} + p_{8,109} + p_{8,61} + 2p_{8,125} + p_{8,163} + p_{8,99} + p_{8,211}\\ &+ 2p_{8,51} + p_{8,203} + p_{8,155} + p_{8,187} + p_{8,39} + p_{8,231} + p_{8,151} + p_{8,183}\\ &+ p_{8,119} + p_{8,175} + 2p_{8,111} + p_{8,239} + p_{8,159})\end{aligned}}$$

$$p_{9,250} = \frac{1}{2}p_{8,250} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,250}^2 - 4(p_{8,64} + p_{7,8} + p_{8,72} + p_{8,24} + p_{8,100} + p_{8,180}\\ &+ p_{8,244} + p_{8,140} + 3p_{8,76} + p_{8,44} + p_{8,194} + p_{8,82} + p_{8,50} + p_{8,106}\\ &+ p_{8,122} + p_{8,38} + 2p_{7,22} + p_{8,182} + p_{7,118} + p_{7,78} + p_{8,62} + p_{8,254}\\ &+ p_{7,1} + p_{8,33} + p_{8,225} + p_{8,73} + p_{8,169} + p_{8,37} + p_{8,213} + p_{7,53}\\ &+ p_{8,13} + p_{8,45} + p_{8,237} + p_{8,189} + 2p_{8,253} + p_{8,35} + p_{8,227} + p_{8,83}\\ &+ 2p_{8,179} + p_{8,75} + p_{8,27} + p_{8,59} + p_{8,167} + p_{8,103} + p_{8,23} + p_{8,55}\\ &+ p_{8,247} + p_{8,47} + p_{8,111} + 2p_{8,239} + p_{8,31})\end{aligned}}$$

$$p_{9,506} = \frac{1}{2}p_{8,250} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,250}^2 - 4(p_{8,64} + p_{7,8} + p_{8,72} + p_{8,24} + p_{8,100} + p_{8,180}\\ &+ p_{8,244} + p_{8,140} + 3p_{8,76} + p_{8,44} + p_{8,194} + p_{8,82} + p_{8,50} + p_{8,106}\\ &+ p_{8,122} + p_{8,38} + 2p_{7,22} + p_{8,182} + p_{7,118} + p_{7,78} + p_{8,62} + p_{8,254}\\ &+ p_{7,1} + p_{8,33} + p_{8,225} + p_{8,73} + p_{8,169} + p_{8,37} + p_{8,213} + p_{7,53}\\ &+ p_{8,13} + p_{8,45} + p_{8,237} + p_{8,189} + 2p_{8,253} + p_{8,35} + p_{8,227} + p_{8,83}\\ &+ 2p_{8,179} + p_{8,75} + p_{8,27} + p_{8,59} + p_{8,167} + p_{8,103} + p_{8,23} + p_{8,55}\\ &+ p_{8,247} + p_{8,47} + p_{8,111} + 2p_{8,239} + p_{8,31})\end{aligned}}$$

$$p_{9,6} = \frac{1}{2}p_{8,6} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,6}^2 - 4(p_{8,0} + p_{8,192} + p_{8,112} + p_{8,152} + 3p_{8,88} + p_{8,56}\\ &+ p_{8,36} + p_{7,20} + p_{8,84} + p_{8,76} + p_{7,2} + p_{8,194} + 2p_{7,34} + p_{8,50}\\ &+ p_{8,10} + p_{8,74} + p_{7,90} + p_{8,134} + p_{8,118} + p_{8,206} + p_{8,94} + p_{8,62}\\ &+ p_{7,65} + p_{8,225} + p_{8,49} + 2p_{8,9} + p_{8,201} + p_{8,25} + p_{8,57} + p_{8,249}\\ &+ p_{8,85} + p_{8,181} + p_{7,13} + p_{8,45} + p_{8,237} + p_{8,3} + p_{8,67} + p_{8,35}\\ &+ p_{8,179} + p_{8,115} + p_{8,43} + p_{8,59} + p_{8,123} + 2p_{8,251} + p_{8,71} + p_{8,39}\\ &+ p_{8,87} + p_{8,47} + p_{8,239} + p_{8,95} + 2p_{8,191})\end{aligned}}$$

$$p_{9,262} = \frac{1}{2}p_{8,6} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,6}^2 - 4(p_{8,0} + p_{8,192} + p_{8,112} + p_{8,152} + 3p_{8,88} + p_{8,56}\\ &+ p_{8,36} + p_{7,20} + p_{8,84} + p_{8,76} + p_{7,2} + p_{8,194} + 2p_{7,34} + p_{8,50}\\ &+ p_{8,10} + p_{8,74} + p_{7,90} + p_{8,134} + p_{8,118} + p_{8,206} + p_{8,94} + p_{8,62}\\ &+ p_{7,65} + p_{8,225} + p_{8,49} + 2p_{8,9} + p_{8,201} + p_{8,25} + p_{8,57} + p_{8,249}\\ &+ p_{8,85} + p_{8,181} + p_{7,13} + p_{8,45} + p_{8,237} + p_{8,3} + p_{8,67} + p_{8,35}\\ &+ p_{8,179} + p_{8,115} + p_{8,43} + p_{8,59} + p_{8,123} + 2p_{8,251} + p_{8,71} + p_{8,39}\\ &+ p_{8,87} + p_{8,47} + p_{8,239} + p_{8,95} + 2p_{8,191})\end{aligned}}$$

$$p_{9,134} = \frac{1}{2}p_{8,134} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,134}^2 - 4(p_{8,128} + p_{8,64} + p_{8,240} + p_{8,24} + 3p_{8,216} + p_{8,184}\\&+ p_{8,164} + p_{7,20} + p_{8,212} + p_{8,204} + p_{7,2} + p_{8,66} + 2p_{7,34} + p_{8,178}\\&+ p_{8,138} + p_{8,202} + p_{7,90} + p_{8,6} + p_{8,246} + p_{8,78} + p_{8,222} + p_{8,190}\\&+ p_{7,65} + p_{8,97} + p_{8,177} + 2p_{8,137} + p_{8,73} + p_{8,153} + p_{8,185} + p_{8,121}\\&+ p_{8,213} + p_{8,53} + p_{7,13} + p_{8,173} + p_{8,109} + p_{8,131} + p_{8,195} + p_{8,163}\\&+ p_{8,51} + p_{8,243} + p_{8,171} + p_{8,187} + 2p_{8,123} + p_{8,251} + p_{8,199} + p_{8,167}\\&+ p_{8,215} + p_{8,175} + p_{8,111} + p_{8,223} + 2p_{8,63})\end{aligned}}$$

$$p_{9,390} = \frac{1}{2}p_{8,134} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,134}^2 - 4(p_{8,128} + p_{8,64} + p_{8,240} + p_{8,24} + 3p_{8,216} + p_{8,184}\\&+ p_{8,164} + p_{7,20} + p_{8,212} + p_{8,204} + p_{7,2} + p_{8,66} + 2p_{7,34} + p_{8,178}\\&+ p_{8,138} + p_{8,202} + p_{7,90} + p_{8,6} + p_{8,246} + p_{8,78} + p_{8,222} + p_{8,190}\\&+ p_{7,65} + p_{8,97} + p_{8,177} + 2p_{8,137} + p_{8,73} + p_{8,153} + p_{8,185} + p_{8,121}\\&+ p_{8,213} + p_{8,53} + p_{7,13} + p_{8,173} + p_{8,109} + p_{8,131} + p_{8,195} + p_{8,163}\\&+ p_{8,51} + p_{8,243} + p_{8,171} + p_{8,187} + 2p_{8,123} + p_{8,251} + p_{8,199} + p_{8,167}\\&+ p_{8,215} + p_{8,175} + p_{8,111} + p_{8,223} + 2p_{8,63})\end{aligned}}$$

$$p_{9,70} = \frac{1}{2}p_{8,70} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,70}^2 - 4(p_{8,0} + p_{8,64} + p_{8,176} + 3p_{8,152} + p_{8,216} + p_{8,120}\\&+ p_{8,100} + p_{8,148} + p_{7,84} + p_{8,140} + p_{8,2} + p_{7,66} + 2p_{7,98} + p_{8,114}\\&+ p_{8,138} + p_{8,74} + p_{7,26} + p_{8,198} + p_{8,182} + p_{8,14} + p_{8,158} + p_{8,126}\\&+ p_{7,1} + p_{8,33} + p_{8,113} + p_{8,9} + 2p_{8,73} + p_{8,89} + p_{8,57} + p_{8,121}\\&+ p_{8,149} + p_{8,245} + p_{7,77} + p_{8,45} + p_{8,109} + p_{8,131} + p_{8,67} + p_{8,99}\\&+ p_{8,179} + p_{8,243} + p_{8,107} + 2p_{8,59} + p_{8,187} + p_{8,123} + p_{8,135}\\&+ p_{8,103} + p_{8,151} + p_{8,47} + p_{8,111} + p_{8,159} + 2p_{8,255})\end{aligned}}$$

$$p_{9,326} = \frac{1}{2}p_{8,70} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,70}^2 - 4(p_{8,0} + p_{8,64} + p_{8,176} + 3p_{8,152} + p_{8,216} + p_{8,120}\\&+ p_{8,100} + p_{8,148} + p_{7,84} + p_{8,140} + p_{8,2} + p_{7,66} + 2p_{7,98} + p_{8,114}\\&+ p_{8,138} + p_{8,74} + p_{7,26} + p_{8,198} + p_{8,182} + p_{8,14} + p_{8,158} + p_{8,126}\\&+ p_{7,1} + p_{8,33} + p_{8,113} + p_{8,9} + 2p_{8,73} + p_{8,89} + p_{8,57} + p_{8,121}\\&+ p_{8,149} + p_{8,245} + p_{7,77} + p_{8,45} + p_{8,109} + p_{8,131} + p_{8,67} + p_{8,99}\\&+ p_{8,179} + p_{8,243} + p_{8,107} + 2p_{8,59} + p_{8,187} + p_{8,123} + p_{8,135}\\&+ p_{8,103} + p_{8,151} + p_{8,47} + p_{8,111} + p_{8,159} + 2p_{8,255})\end{aligned}}$$

$$p_{9,198} = \frac{1}{2}p_{8,198} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,198}^2 - 4(p_{8,128} + p_{8,192} + p_{8,48} + 3p_{8,24} + p_{8,88} + p_{8,248}\\&+ p_{8,228} + p_{8,20} + p_{7,84} + p_{8,12} + p_{8,130} + p_{7,66} + 2p_{7,98} + p_{8,242}\\&+ p_{8,10} + p_{8,202} + p_{7,26} + p_{8,70} + p_{8,54} + p_{8,142} + p_{8,30} + p_{8,254}\\&+ p_{7,1} + p_{8,161} + p_{8,241} + p_{8,137} + 2p_{8,201} + p_{8,217} + p_{8,185} + p_{8,249}\\&+ p_{8,21} + p_{8,117} + p_{7,77} + p_{8,173} + p_{8,237} + p_{8,3} + p_{8,195} + p_{8,227}\\&+ p_{8,51} + p_{8,115} + p_{8,235} + p_{8,59} + 2p_{8,187} + p_{8,251} + p_{8,7} + p_{8,231}\\&+ p_{8,23} + p_{8,175} + p_{8,239} + p_{8,31} + 2p_{8,127})\end{aligned}}$$

$$p_{9,454} = \frac{1}{2}p_{8,198} + \frac{1}{2}\sqrt{\begin{aligned} & p_{8,198}^2 - 4(p_{8,128} + p_{8,192} + p_{8,48} + 3p_{8,24} + p_{8,88} + p_{8,248} \\ & + p_{8,228} + p_{8,20} + p_{7,84} + p_{8,12} + p_{8,130} + p_{7,66} + 2p_{7,98} + p_{8,242} \\ & + p_{8,10} + p_{8,202} + p_{7,26} + p_{8,70} + p_{8,54} + p_{8,142} + p_{8,30} + p_{8,254} \\ & + p_{7,1} + p_{8,161} + p_{8,241} + p_{8,137} + 2p_{8,201} + p_{8,217} + p_{8,185} + p_{8,249} \\ & + p_{8,21} + p_{8,117} + p_{7,77} + p_{8,173} + p_{8,237} + p_{8,3} + p_{8,195} + p_{8,227} \\ & + p_{8,51} + p_{8,115} + p_{8,235} + p_{8,59} + 2p_{8,187} + p_{8,251} + p_{8,7} + p_{8,231} \\ & + p_{8,23} + p_{8,175} + p_{8,239} + p_{8,31} + 2p_{8,127}) \end{aligned}}$$

$$p_{9,38} = \frac{1}{2}p_{8,38} + \frac{1}{2}\sqrt{\begin{aligned} & p_{8,38}^2 - 4(p_{8,32} + p_{8,224} + p_{8,144} + p_{8,88} + p_{8,184} + 3p_{8,120} \\ & + p_{8,68} + p_{7,52} + p_{8,116} + p_{8,108} + 2p_{7,66} + p_{7,34} + p_{8,226} + p_{8,82} \\ & + p_{8,42} + p_{8,106} + p_{7,122} + p_{8,166} + p_{8,150} + p_{8,238} + p_{8,94} + p_{8,126} \\ & + p_{8,1} + p_{7,97} + p_{8,81} + 2p_{8,41} + p_{8,233} + p_{8,25} + p_{8,89} + p_{8,57} \\ & + p_{8,213} + p_{8,117} + p_{8,13} + p_{8,77} + p_{7,45} + p_{8,67} + p_{8,35} + p_{8,99} \\ & + p_{8,147} + p_{8,211} + p_{8,75} + 2p_{8,27} + p_{8,155} + p_{8,91} + p_{8,71} + p_{8,103} \\ & + p_{8,119} + p_{8,15} + p_{8,79} + 2p_{8,223} + p_{8,127}) \end{aligned}}$$

$$p_{9,294} = \frac{1}{2}p_{8,38} - \frac{1}{2}\sqrt{\begin{aligned} & p_{8,38}^2 - 4(p_{8,32} + p_{8,224} + p_{8,144} + p_{8,88} + p_{8,184} + 3p_{8,120} \\ & + p_{8,68} + p_{7,52} + p_{8,116} + p_{8,108} + 2p_{7,66} + p_{7,34} + p_{8,226} + p_{8,82} \\ & + p_{8,42} + p_{8,106} + p_{7,122} + p_{8,166} + p_{8,150} + p_{8,238} + p_{8,94} + p_{8,126} \\ & + p_{8,1} + p_{7,97} + p_{8,81} + 2p_{8,41} + p_{8,233} + p_{8,25} + p_{8,89} + p_{8,57} \\ & + p_{8,213} + p_{8,117} + p_{8,13} + p_{8,77} + p_{7,45} + p_{8,67} + p_{8,35} + p_{8,99} \\ & + p_{8,147} + p_{8,211} + p_{8,75} + 2p_{8,27} + p_{8,155} + p_{8,91} + p_{8,71} + p_{8,103} \\ & + p_{8,119} + p_{8,15} + p_{8,79} + 2p_{8,223} + p_{8,127}) \end{aligned}}$$

$$p_{9,166} = \frac{1}{2}p_{8,166} - \frac{1}{2}\sqrt{\begin{aligned} & p_{8,166}^2 - 4(p_{8,160} + p_{8,96} + p_{8,16} + p_{8,216} + p_{8,56} + 3p_{8,248} \\ & + p_{8,196} + p_{7,52} + p_{8,244} + p_{8,236} + 2p_{7,66} + p_{7,34} + p_{8,98} + p_{8,210} \\ & + p_{8,170} + p_{8,234} + p_{7,122} + p_{8,38} + p_{8,22} + p_{8,110} + p_{8,222} + p_{8,254} \\ & + p_{8,129} + p_{7,97} + p_{8,209} + 2p_{8,169} + p_{8,105} + p_{8,153} + p_{8,217} + p_{8,185} \\ & + p_{8,85} + p_{8,245} + p_{8,141} + p_{8,205} + p_{7,45} + p_{8,195} + p_{8,163} + p_{8,227} \\ & + p_{8,19} + p_{8,83} + p_{8,203} + p_{8,27} + 2p_{8,155} + p_{8,219} + p_{8,199} + p_{8,231} \\ & + p_{8,247} + p_{8,143} + p_{8,207} + 2p_{8,95} + p_{8,255}) \end{aligned}}$$

$$p_{9,422} = \frac{1}{2}p_{8,166} + \frac{1}{2}\sqrt{\begin{aligned} & p_{8,166}^2 - 4(p_{8,160} + p_{8,96} + p_{8,16} + p_{8,216} + p_{8,56} + 3p_{8,248} \\ & + p_{8,196} + p_{7,52} + p_{8,244} + p_{8,236} + 2p_{7,66} + p_{7,34} + p_{8,98} + p_{8,210} \\ & + p_{8,170} + p_{8,234} + p_{7,122} + p_{8,38} + p_{8,22} + p_{8,110} + p_{8,222} + p_{8,254} \\ & + p_{8,129} + p_{7,97} + p_{8,209} + 2p_{8,169} + p_{8,105} + p_{8,153} + p_{8,217} + p_{8,185} \\ & + p_{8,85} + p_{8,245} + p_{8,141} + p_{8,205} + p_{7,45} + p_{8,195} + p_{8,163} + p_{8,227} \\ & + p_{8,19} + p_{8,83} + p_{8,203} + p_{8,27} + 2p_{8,155} + p_{8,219} + p_{8,199} + p_{8,231} \\ & + p_{8,247} + p_{8,143} + p_{8,207} + 2p_{8,95} + p_{8,255}) \end{aligned}}$$

$$p_{9,102} = \frac{1}{2}p_{8,102} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,102}^2 - 4(p_{8,32} + p_{8,96} + p_{8,208} + p_{8,152} + 3p_{8,184} + p_{8,248}\\ &+ p_{8,132} + p_{8,180} + p_{7,116} + p_{8,172} + 2p_{7,2} + p_{8,34} + p_{7,98} + p_{8,146}\\ &+ p_{8,170} + p_{8,106} + p_{7,58} + p_{8,230} + p_{8,214} + p_{8,46} + p_{8,158} + p_{8,190}\\ &+ p_{8,65} + p_{7,33} + p_{8,145} + p_{8,41} + 2p_{8,105} + p_{8,153} + p_{8,89} + p_{8,121}\\ &+ p_{8,21} + p_{8,181} + p_{8,141} + p_{8,77} + p_{7,109} + p_{8,131} + p_{8,163} + p_{8,99}\\ &+ p_{8,19} + p_{8,211} + p_{8,139} + p_{8,155} + 2p_{8,91} + p_{8,219} + p_{8,135} + p_{8,167}\\ &+ p_{8,183} + p_{8,143} + p_{8,79} + 2p_{8,31} + p_{8,191})\end{aligned}}$$

$$p_{9,358} = \frac{1}{2}p_{8,102} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,102}^2 - 4(p_{8,32} + p_{8,96} + p_{8,208} + p_{8,152} + 3p_{8,184} + p_{8,248}\\ &+ p_{8,132} + p_{8,180} + p_{7,116} + p_{8,172} + 2p_{7,2} + p_{8,34} + p_{7,98} + p_{8,146}\\ &+ p_{8,170} + p_{8,106} + p_{7,58} + p_{8,230} + p_{8,214} + p_{8,46} + p_{8,158} + p_{8,190}\\ &+ p_{8,65} + p_{7,33} + p_{8,145} + p_{8,41} + 2p_{8,105} + p_{8,153} + p_{8,89} + p_{8,121}\\ &+ p_{8,21} + p_{8,181} + p_{8,141} + p_{8,77} + p_{7,109} + p_{8,131} + p_{8,163} + p_{8,99}\\ &+ p_{8,19} + p_{8,211} + p_{8,139} + p_{8,155} + 2p_{8,91} + p_{8,219} + p_{8,135} + p_{8,167}\\ &+ p_{8,183} + p_{8,143} + p_{8,79} + 2p_{8,31} + p_{8,191})\end{aligned}}$$

$$p_{9,230} = \frac{1}{2}p_{8,230} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,230}^2 - 4(p_{8,160} + p_{8,224} + p_{8,80} + p_{8,24} + 3p_{8,56} + p_{8,120}\\ &+ p_{8,4} + p_{8,52} + p_{7,116} + p_{8,44} + 2p_{7,2} + p_{8,162} + p_{7,98} + p_{8,18}\\ &+ p_{8,42} + p_{8,234} + p_{7,58} + p_{8,102} + p_{8,86} + p_{8,174} + p_{8,30} + p_{8,62}\\ &+ p_{8,193} + p_{7,33} + p_{8,17} + p_{8,169} + 2p_{8,233} + p_{8,25} + p_{8,217} + p_{8,249}\\ &+ p_{8,149} + p_{8,53} + p_{8,13} + p_{8,205} + p_{7,109} + p_{8,3} + p_{8,35} + p_{8,227}\\ &+ p_{8,147} + p_{8,83} + p_{8,11} + p_{8,27} + p_{8,91} + 2p_{8,219} + p_{8,7} + p_{8,39}\\ &+ p_{8,55} + p_{8,15} + p_{8,207} + 2p_{8,159} + p_{8,63})\end{aligned}}$$

$$p_{9,486} = \frac{1}{2}p_{8,230} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,230}^2 - 4(p_{8,160} + p_{8,224} + p_{8,80} + p_{8,24} + 3p_{8,56} + p_{8,120}\\ &+ p_{8,4} + p_{8,52} + p_{7,116} + p_{8,44} + 2p_{7,2} + p_{8,162} + p_{7,98} + p_{8,18}\\ &+ p_{8,42} + p_{8,234} + p_{7,58} + p_{8,102} + p_{8,86} + p_{8,174} + p_{8,30} + p_{8,62}\\ &+ p_{8,193} + p_{7,33} + p_{8,17} + p_{8,169} + 2p_{8,233} + p_{8,25} + p_{8,217} + p_{8,249}\\ &+ p_{8,149} + p_{8,53} + p_{8,13} + p_{8,205} + p_{7,109} + p_{8,3} + p_{8,35} + p_{8,227}\\ &+ p_{8,147} + p_{8,83} + p_{8,11} + p_{8,27} + p_{8,91} + 2p_{8,219} + p_{8,7} + p_{8,39}\\ &+ p_{8,55} + p_{8,15} + p_{8,207} + 2p_{8,159} + p_{8,63})\end{aligned}}$$

$$p_{9,22} = \frac{1}{2}p_{8,22} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,22}^2 - 4(p_{8,128} + p_{8,16} + p_{8,208} + p_{8,72} + p_{8,168} + 3p_{8,104}\\ &+ p_{7,36} + p_{8,100} + p_{8,52} + p_{8,92} + p_{8,66} + p_{7,18} + p_{8,210} + 2p_{7,50}\\ &+ p_{7,106} + p_{8,26} + p_{8,90} + p_{8,134} + p_{8,150} + p_{8,78} + p_{8,110} + p_{8,222}\\ &+ p_{8,65} + p_{7,81} + p_{8,241} + p_{8,9} + p_{8,73} + p_{8,41} + 2p_{8,25} + p_{8,217}\\ &+ p_{8,197} + p_{8,101} + p_{7,29} + p_{8,61} + p_{8,253} + p_{8,131} + p_{8,195} + p_{8,19}\\ &+ p_{8,83} + p_{8,51} + 2p_{8,11} + p_{8,139} + p_{8,75} + p_{8,59} + p_{8,103} + p_{8,87}\\ &+ p_{8,55} + 2p_{8,207} + p_{8,111} + p_{8,63} + p_{8,255})\end{aligned}}$$

$$p_{9,278} = \frac{1}{2}p_{8,22} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,22}^2 - 4(p_{8,128} + p_{8,16} + p_{8,208} + p_{8,72} + p_{8,168} + 3p_{8,104}\\&+ p_{7,36} + p_{8,100} + p_{8,52} + p_{8,92} + p_{8,66} + p_{7,18} + p_{8,210} + 2p_{7,50}\\&+ p_{7,106} + p_{8,26} + p_{8,90} + p_{8,134} + p_{8,150} + p_{8,78} + p_{8,110} + p_{8,222}\\&+ p_{8,65} + p_{7,81} + p_{8,241} + p_{8,9} + p_{8,73} + p_{8,41} + 2p_{8,25} + p_{8,217}\\&+ p_{8,197} + p_{8,101} + p_{7,29} + p_{8,61} + p_{8,253} + p_{8,131} + p_{8,195} + p_{8,19}\\&+ p_{8,83} + p_{8,51} + 2p_{8,11} + p_{8,139} + p_{8,75} + p_{8,59} + p_{8,103} + p_{8,87}\\&+ p_{8,55} + 2p_{8,207} + p_{8,111} + p_{8,63} + p_{8,255})\end{aligned}}$$

$$p_{9,150} = \frac{1}{2}p_{8,150} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,150}^2 - 4(p_{8,0} + p_{8,144} + p_{8,80} + p_{8,200} + p_{8,40} + 3p_{8,232}\\&+ p_{7,36} + p_{8,228} + p_{8,180} + p_{8,220} + p_{8,194} + p_{7,18} + p_{8,82} + 2p_{7,50}\\&+ p_{7,106} + p_{8,154} + p_{8,218} + p_{8,6} + p_{8,22} + p_{8,206} + p_{8,238} + p_{8,94}\\&+ p_{8,193} + p_{7,81} + p_{8,113} + p_{8,137} + p_{8,201} + p_{8,169} + 2p_{8,153} + p_{8,89}\\&+ p_{8,69} + p_{8,229} + p_{7,29} + p_{8,189} + p_{8,125} + p_{8,3} + p_{8,67} + p_{8,147}\\&+ p_{8,211} + p_{8,179} + p_{8,11} + 2p_{8,139} + p_{8,203} + p_{8,187} + p_{8,231}\\&+ p_{8,215} + p_{8,183} + 2p_{8,79} + p_{8,239} + p_{8,191} + p_{8,127})\end{aligned}}$$

$$p_{9,406} = \frac{1}{2}p_{8,150} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,150}^2 - 4(p_{8,0} + p_{8,144} + p_{8,80} + p_{8,200} + p_{8,40} + 3p_{8,232}\\&+ p_{7,36} + p_{8,228} + p_{8,180} + p_{8,220} + p_{8,194} + p_{7,18} + p_{8,82} + 2p_{7,50}\\&+ p_{7,106} + p_{8,154} + p_{8,218} + p_{8,6} + p_{8,22} + p_{8,206} + p_{8,238} + p_{8,94}\\&+ p_{8,193} + p_{7,81} + p_{8,113} + p_{8,137} + p_{8,201} + p_{8,169} + 2p_{8,153} + p_{8,89}\\&+ p_{8,69} + p_{8,229} + p_{7,29} + p_{8,189} + p_{8,125} + p_{8,3} + p_{8,67} + p_{8,147}\\&+ p_{8,211} + p_{8,179} + p_{8,11} + 2p_{8,139} + p_{8,203} + p_{8,187} + p_{8,231}\\&+ p_{8,215} + p_{8,183} + 2p_{8,79} + p_{8,239} + p_{8,191} + p_{8,127})\end{aligned}}$$

$$p_{9,86} = \frac{1}{2}p_{8,86} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,86}^2 - 4(p_{8,192} + p_{8,16} + p_{8,80} + p_{8,136} + 3p_{8,168} + p_{8,232}\\&+ p_{8,164} + p_{7,100} + p_{8,116} + p_{8,156} + p_{8,130} + p_{8,18} + p_{7,82} + 2p_{7,114}\\&+ p_{7,42} + p_{8,154} + p_{8,90} + p_{8,198} + p_{8,214} + p_{8,142} + p_{8,174} + p_{8,30}\\&+ p_{8,129} + p_{7,17} + p_{8,49} + p_{8,137} + p_{8,73} + p_{8,105} + p_{8,25} + 2p_{8,89}\\&+ p_{8,5} + p_{8,165} + p_{7,93} + p_{8,61} + p_{8,125} + p_{8,3} + p_{8,195} + p_{8,147}\\&+ p_{8,83} + p_{8,115} + p_{8,139} + 2p_{8,75} + p_{8,203} + p_{8,123} + p_{8,167} + p_{8,151}\\&+ p_{8,119} + 2p_{8,15} + p_{8,175} + p_{8,63} + p_{8,127})\end{aligned}}$$

$$p_{9,342} = \frac{1}{2}p_{8,86} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,86}^2 - 4(p_{8,192} + p_{8,16} + p_{8,80} + p_{8,136} + 3p_{8,168} + p_{8,232}\\&+ p_{8,164} + p_{7,100} + p_{8,116} + p_{8,156} + p_{8,130} + p_{8,18} + p_{7,82} + 2p_{7,114}\\&+ p_{7,42} + p_{8,154} + p_{8,90} + p_{8,198} + p_{8,214} + p_{8,142} + p_{8,174} + p_{8,30}\\&+ p_{8,129} + p_{7,17} + p_{8,49} + p_{8,137} + p_{8,73} + p_{8,105} + p_{8,25} + 2p_{8,89}\\&+ p_{8,5} + p_{8,165} + p_{7,93} + p_{8,61} + p_{8,125} + p_{8,3} + p_{8,195} + p_{8,147}\\&+ p_{8,83} + p_{8,115} + p_{8,139} + 2p_{8,75} + p_{8,203} + p_{8,123} + p_{8,167} + p_{8,151}\\&+ p_{8,119} + 2p_{8,15} + p_{8,175} + p_{8,63} + p_{8,127})\end{aligned}}$$

$$p_{9,214} = \frac{1}{2}p_{8,214} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,214}^2 - 4(p_{8,64} + p_{8,144} + p_{8,208} + p_{8,8} + 3p_{8,40} + p_{8,104}\\&+ p_{8,36} + p_{7,100} + p_{8,244} + p_{8,28} + p_{8,2} + p_{8,146} + p_{7,82} + 2p_{7,114}\\&+ p_{7,42} + p_{8,26} + p_{8,218} + p_{8,70} + p_{8,86} + p_{8,14} + p_{8,46} + p_{8,158}\\&+ p_{8,1} + p_{7,17} + p_{8,177} + p_{8,9} + p_{8,201} + p_{8,233} + p_{8,153} + 2p_{8,217}\\&+ p_{8,133} + p_{8,37} + p_{7,93} + p_{8,189} + p_{8,253} + p_{8,131} + p_{8,67} + p_{8,19}\\&+ p_{8,211} + p_{8,243} + p_{8,11} + p_{8,75} + 2p_{8,203} + p_{8,251} + p_{8,39} + p_{8,23}\\&+ p_{8,247} + 2p_{8,143} + p_{8,47} + p_{8,191} + p_{8,255})\end{aligned}}$$

$$p_{9,470} = \frac{1}{2}p_{8,214} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,214}^2 - 4(p_{8,64} + p_{8,144} + p_{8,208} + p_{8,8} + 3p_{8,40} + p_{8,104}\\&+ p_{8,36} + p_{7,100} + p_{8,244} + p_{8,28} + p_{8,2} + p_{8,146} + p_{7,82} + 2p_{7,114}\\&+ p_{7,42} + p_{8,26} + p_{8,218} + p_{8,70} + p_{8,86} + p_{8,14} + p_{8,46} + p_{8,158}\\&+ p_{8,1} + p_{7,17} + p_{8,177} + p_{8,9} + p_{8,201} + p_{8,233} + p_{8,153} + 2p_{8,217}\\&+ p_{8,133} + p_{8,37} + p_{7,93} + p_{8,189} + p_{8,253} + p_{8,131} + p_{8,67} + p_{8,19}\\&+ p_{8,211} + p_{8,243} + p_{8,11} + p_{8,75} + 2p_{8,203} + p_{8,251} + p_{8,39} + p_{8,23}\\&+ p_{8,247} + 2p_{8,143} + p_{8,47} + p_{8,191} + p_{8,255})\end{aligned}}$$

$$p_{9,54} = \frac{1}{2}p_{8,54} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,54}^2 - 4(p_{8,160} + p_{8,48} + p_{8,240} + 3p_{8,136} + p_{8,200} + p_{8,104}\\&+ p_{8,132} + p_{7,68} + p_{8,84} + p_{8,124} + p_{8,98} + 2p_{7,82} + p_{7,50} + p_{8,242}\\&+ p_{7,10} + p_{8,58} + p_{8,122} + p_{8,166} + p_{8,182} + p_{8,142} + p_{8,110} + p_{8,254}\\&+ p_{8,97} + p_{8,17} + p_{7,113} + p_{8,73} + p_{8,41} + p_{8,105} + 2p_{8,57} + p_{8,249}\\&+ p_{8,133} + p_{8,229} + p_{8,29} + p_{8,93} + p_{7,61} + p_{8,163} + p_{8,227} + p_{8,83}\\&+ p_{8,51} + p_{8,115} + 2p_{8,43} + p_{8,171} + p_{8,107} + p_{8,91} + p_{8,135} + p_{8,87}\\&+ p_{8,119} + p_{8,143} + 2p_{8,239} + p_{8,31} + p_{8,95})\end{aligned}}$$

$$p_{9,310} = \frac{1}{2}p_{8,54} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,54}^2 - 4(p_{8,160} + p_{8,48} + p_{8,240} + 3p_{8,136} + p_{8,200} + p_{8,104}\\&+ p_{8,132} + p_{7,68} + p_{8,84} + p_{8,124} + p_{8,98} + 2p_{7,82} + p_{7,50} + p_{8,242}\\&+ p_{7,10} + p_{8,58} + p_{8,122} + p_{8,166} + p_{8,182} + p_{8,142} + p_{8,110} + p_{8,254}\\&+ p_{8,97} + p_{8,17} + p_{7,113} + p_{8,73} + p_{8,41} + p_{8,105} + 2p_{8,57} + p_{8,249}\\&+ p_{8,133} + p_{8,229} + p_{8,29} + p_{8,93} + p_{7,61} + p_{8,163} + p_{8,227} + p_{8,83}\\&+ p_{8,51} + p_{8,115} + 2p_{8,43} + p_{8,171} + p_{8,107} + p_{8,91} + p_{8,135} + p_{8,87}\\&+ p_{8,119} + p_{8,143} + 2p_{8,239} + p_{8,31} + p_{8,95})\end{aligned}}$$

$$p_{9,182} = \frac{1}{2}p_{8,182} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,182}^2 - 4(p_{8,32} + p_{8,176} + p_{8,112} + 3p_{8,8} + p_{8,72} + p_{8,232}\\&+ p_{8,4} + p_{7,68} + p_{8,212} + p_{8,252} + p_{8,226} + 2p_{7,82} + p_{7,50} + p_{8,114}\\&+ p_{7,10} + p_{8,186} + p_{8,250} + p_{8,38} + p_{8,54} + p_{8,14} + p_{8,238} + p_{8,126}\\&+ p_{8,225} + p_{8,145} + p_{7,113} + p_{8,201} + p_{8,169} + p_{8,233} + 2p_{8,185}\\&+ p_{8,121} + p_{8,5} + p_{8,101} + p_{8,157} + p_{8,221} + p_{7,61} + p_{8,35} + p_{8,99}\\&+ p_{8,211} + p_{8,179} + p_{8,243} + p_{8,43} + 2p_{8,171} + p_{8,235} + p_{8,219} + p_{8,7}\\&+ p_{8,215} + p_{8,247} + p_{8,15} + 2p_{8,111} + p_{8,159} + p_{8,223})\end{aligned}}$$

$$p_{9,438} = \frac{1}{2}p_{8,182} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,182}^2 - 4(p_{8,32} + p_{8,176} + p_{8,112} + 3p_{8,8} + p_{8,72} + p_{8,232}\\&+ p_{8,4} + p_{7,68} + p_{8,212} + p_{8,252} + p_{8,226} + 2p_{7,82} + p_{7,50} + p_{8,114}\\&+ p_{7,10} + p_{8,186} + p_{8,250} + p_{8,38} + p_{8,54} + p_{8,14} + p_{8,238} + p_{8,126}\\&+ p_{8,225} + p_{8,145} + p_{7,113} + p_{8,201} + p_{8,169} + p_{8,233} + 2p_{8,185}\\&+ p_{8,121} + p_{8,5} + p_{8,101} + p_{8,157} + p_{8,221} + p_{7,61} + p_{8,35} + p_{8,99}\\&+ p_{8,211} + p_{8,179} + p_{8,243} + p_{8,43} + 2p_{8,171} + p_{8,235} + p_{8,219} + p_{8,7}\\&+ p_{8,215} + p_{8,247} + p_{8,15} + 2p_{8,111} + p_{8,159} + p_{8,223})\end{aligned}}$$

$$p_{9,118} = \frac{1}{2}p_{8,118} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,118}^2 - 4(p_{8,224} + p_{8,48} + p_{8,112} + p_{8,8} + 3p_{8,200} + p_{8,168}\\&+ p_{7,4} + p_{8,196} + p_{8,148} + p_{8,188} + p_{8,162} + 2p_{7,18} + p_{8,50} + p_{7,114}\\&+ p_{7,74} + p_{8,186} + p_{8,122} + p_{8,230} + p_{8,246} + p_{8,206} + p_{8,174} + p_{8,62}\\&+ p_{8,161} + p_{8,81} + p_{7,49} + p_{8,137} + p_{8,169} + p_{8,105} + p_{8,57} + 2p_{8,121}\\&+ p_{8,197} + p_{8,37} + p_{8,157} + p_{8,93} + p_{7,125} + p_{8,35} + p_{8,227} + p_{8,147}\\&+ p_{8,179} + p_{8,115} + p_{8,171} + 2p_{8,107} + p_{8,235} + p_{8,155} + p_{8,199}\\&+ p_{8,151} + p_{8,183} + p_{8,207} + 2p_{8,47} + p_{8,159} + p_{8,95})\end{aligned}}$$

$$p_{9,374} = \frac{1}{2}p_{8,118} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,118}^2 - 4(p_{8,224} + p_{8,48} + p_{8,112} + p_{8,8} + 3p_{8,200} + p_{8,168}\\&+ p_{7,4} + p_{8,196} + p_{8,148} + p_{8,188} + p_{8,162} + 2p_{7,18} + p_{8,50} + p_{7,114}\\&+ p_{7,74} + p_{8,186} + p_{8,122} + p_{8,230} + p_{8,246} + p_{8,206} + p_{8,174} + p_{8,62}\\&+ p_{8,161} + p_{8,81} + p_{7,49} + p_{8,137} + p_{8,169} + p_{8,105} + p_{8,57} + 2p_{8,121}\\&+ p_{8,197} + p_{8,37} + p_{8,157} + p_{8,93} + p_{7,125} + p_{8,35} + p_{8,227} + p_{8,147}\\&+ p_{8,179} + p_{8,115} + p_{8,171} + 2p_{8,107} + p_{8,235} + p_{8,155} + p_{8,199}\\&+ p_{8,151} + p_{8,183} + p_{8,207} + 2p_{8,47} + p_{8,159} + p_{8,95})\end{aligned}}$$

$$p_{9,246} = \frac{1}{2}p_{8,246} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,246}^2 - 4(p_{8,96} + p_{8,176} + p_{8,240} + p_{8,136} + 3p_{8,72} + p_{8,40}\\&+ p_{7,4} + p_{8,68} + p_{8,20} + p_{8,60} + p_{8,34} + 2p_{7,18} + p_{8,178} + p_{7,114}\\&+ p_{7,74} + p_{8,58} + p_{8,250} + p_{8,102} + p_{8,118} + p_{8,78} + p_{8,46} + p_{8,190}\\&+ p_{8,33} + p_{8,209} + p_{7,49} + p_{8,9} + p_{8,41} + p_{8,233} + p_{8,185} + 2p_{8,249}\\&+ p_{8,69} + p_{8,165} + p_{8,29} + p_{8,221} + p_{7,125} + p_{8,163} + p_{8,99} + p_{8,19}\\&+ p_{8,51} + p_{8,243} + p_{8,43} + p_{8,107} + 2p_{8,235} + p_{8,27} + p_{8,71} + p_{8,23}\\&+ p_{8,55} + p_{8,79} + 2p_{8,175} + p_{8,31} + p_{8,223})\end{aligned}}$$

$$p_{9,502} = \frac{1}{2}p_{8,246} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,246}^2 - 4(p_{8,96} + p_{8,176} + p_{8,240} + p_{8,136} + 3p_{8,72} + p_{8,40}\\&+ p_{7,4} + p_{8,68} + p_{8,20} + p_{8,60} + p_{8,34} + 2p_{7,18} + p_{8,178} + p_{7,114}\\&+ p_{7,74} + p_{8,58} + p_{8,250} + p_{8,102} + p_{8,118} + p_{8,78} + p_{8,46} + p_{8,190}\\&+ p_{8,33} + p_{8,209} + p_{7,49} + p_{8,9} + p_{8,41} + p_{8,233} + p_{8,185} + 2p_{8,249}\\&+ p_{8,69} + p_{8,165} + p_{8,29} + p_{8,221} + p_{7,125} + p_{8,163} + p_{8,99} + p_{8,19}\\&+ p_{8,51} + p_{8,243} + p_{8,43} + p_{8,107} + 2p_{8,235} + p_{8,27} + p_{8,71} + p_{8,23}\\&+ p_{8,55} + p_{8,79} + 2p_{8,175} + p_{8,31} + p_{8,223})\end{aligned}}$$

$$p_{9,14} = \frac{1}{2}p_{8,14} + \frac{1}{2}\sqrt{\begin{aligned} & p_{8,14}^2 - 4(p_{8,64} + p_{8,160} + 3p_{8,96} + p_{8,8} + p_{8,200} + p_{8,120} \\ & + p_{8,84} + p_{8,44} + p_{7,28} + p_{8,92} + p_{7,98} + p_{8,18} + p_{8,82} + p_{7,10} \\ & + p_{8,202} + 2p_{7,42} + p_{8,58} + p_{8,70} + p_{8,102} + p_{8,214} + p_{8,142} \\ & + p_{8,126} + p_{8,1} + p_{8,65} + p_{8,33} + 2p_{8,17} + p_{8,209} + p_{7,73} + p_{8,233} \\ & + p_{8,57} + p_{7,21} + p_{8,53} + p_{8,245} + p_{8,93} + p_{8,189} + 2p_{8,3} + p_{8,131} \\ & + p_{8,67} + p_{8,51} + p_{8,11} + p_{8,75} + p_{8,43} + p_{8,187} + p_{8,123} + 2p_{8,199} \\ & + p_{8,103} + p_{8,55} + p_{8,247} + p_{8,79} + p_{8,47} + p_{8,95}) \end{aligned}}$$

$$p_{9,270} = \frac{1}{2}p_{8,14} - \frac{1}{2}\sqrt{\begin{aligned} & p_{8,14}^2 - 4(p_{8,64} + p_{8,160} + 3p_{8,96} + p_{8,8} + p_{8,200} + p_{8,120} \\ & + p_{8,84} + p_{8,44} + p_{7,28} + p_{8,92} + p_{7,98} + p_{8,18} + p_{8,82} + p_{7,10} \\ & + p_{8,202} + 2p_{7,42} + p_{8,58} + p_{8,70} + p_{8,102} + p_{8,214} + p_{8,142} \\ & + p_{8,126} + p_{8,1} + p_{8,65} + p_{8,33} + 2p_{8,17} + p_{8,209} + p_{7,73} + p_{8,233} \\ & + p_{8,57} + p_{7,21} + p_{8,53} + p_{8,245} + p_{8,93} + p_{8,189} + 2p_{8,3} + p_{8,131} \\ & + p_{8,67} + p_{8,51} + p_{8,11} + p_{8,75} + p_{8,43} + p_{8,187} + p_{8,123} + 2p_{8,199} \\ & + p_{8,103} + p_{8,55} + p_{8,247} + p_{8,79} + p_{8,47} + p_{8,95}) \end{aligned}}$$

$$p_{9,142} = \frac{1}{2}p_{8,142} - \frac{1}{2}\sqrt{\begin{aligned} & p_{8,142}^2 - 4(p_{8,192} + p_{8,32} + 3p_{8,224} + p_{8,136} + p_{8,72} + p_{8,248} \\ & + p_{8,212} + p_{8,172} + p_{7,28} + p_{8,220} + p_{7,98} + p_{8,146} + p_{8,210} + p_{7,10} \\ & + p_{8,74} + 2p_{7,42} + p_{8,186} + p_{8,198} + p_{8,230} + p_{8,86} + p_{8,14} + p_{8,254} \\ & + p_{8,129} + p_{8,193} + p_{8,161} + 2p_{8,145} + p_{8,81} + p_{7,73} + p_{8,105} + p_{8,185} \\ & + p_{7,21} + p_{8,181} + p_{8,117} + p_{8,221} + p_{8,61} + p_{8,3} + 2p_{8,131} + p_{8,195} \\ & + p_{8,179} + p_{8,139} + p_{8,203} + p_{8,171} + p_{8,59} + p_{8,251} + 2p_{8,71} + p_{8,231} \\ & + p_{8,183} + p_{8,119} + p_{8,207} + p_{8,175} + p_{8,223}) \end{aligned}}$$

$$p_{9,398} = \frac{1}{2}p_{8,142} + \frac{1}{2}\sqrt{\begin{aligned} & p_{8,142}^2 - 4(p_{8,192} + p_{8,32} + 3p_{8,224} + p_{8,136} + p_{8,72} + p_{8,248} \\ & + p_{8,212} + p_{8,172} + p_{7,28} + p_{8,220} + p_{7,98} + p_{8,146} + p_{8,210} + p_{7,10} \\ & + p_{8,74} + 2p_{7,42} + p_{8,186} + p_{8,198} + p_{8,230} + p_{8,86} + p_{8,14} + p_{8,254} \\ & + p_{8,129} + p_{8,193} + p_{8,161} + 2p_{8,145} + p_{8,81} + p_{7,73} + p_{8,105} + p_{8,185} \\ & + p_{7,21} + p_{8,181} + p_{8,117} + p_{8,221} + p_{8,61} + p_{8,3} + 2p_{8,131} + p_{8,195} \\ & + p_{8,179} + p_{8,139} + p_{8,203} + p_{8,171} + p_{8,59} + p_{8,251} + 2p_{8,71} + p_{8,231} \\ & + p_{8,183} + p_{8,119} + p_{8,207} + p_{8,175} + p_{8,223}) \end{aligned}}$$

$$p_{9,78} = \frac{1}{2}p_{8,78} + \frac{1}{2}\sqrt{\begin{aligned} & p_{8,78}^2 - 4(p_{8,128} + 3p_{8,160} + p_{8,224} + p_{8,8} + p_{8,72} + p_{8,184} \\ & + p_{8,148} + p_{8,108} + p_{8,156} + p_{7,92} + p_{7,34} + p_{8,146} + p_{8,82} + p_{8,10} \\ & + p_{7,74} + 2p_{7,106} + p_{8,122} + p_{8,134} + p_{8,166} + p_{8,22} + p_{8,206} + p_{8,190} \\ & + p_{8,129} + p_{8,65} + p_{8,97} + p_{8,17} + 2p_{8,81} + p_{7,9} + p_{8,41} + p_{8,121} \\ & + p_{7,85} + p_{8,53} + p_{8,117} + p_{8,157} + p_{8,253} + p_{8,131} + 2p_{8,67} + p_{8,195} \\ & + p_{8,115} + p_{8,139} + p_{8,75} + p_{8,107} + p_{8,187} + p_{8,251} + 2p_{8,7} + p_{8,167} \\ & + p_{8,55} + p_{8,119} + p_{8,143} + p_{8,111} + p_{8,159}) \end{aligned}}$$

$$p_{9,334} = \frac{1}{2}p_{8,78} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,78}^2 - 4(p_{8,128} + 3p_{8,160} + p_{8,224} + p_{8,8} + p_{8,72} + p_{8,184}\\ &+ p_{8,148} + p_{8,108} + p_{8,156} + p_{7,92} + p_{7,34} + p_{8,146} + p_{8,82} + p_{8,10}\\ &+ p_{7,74} + 2p_{7,106} + p_{8,122} + p_{8,134} + p_{8,166} + p_{8,22} + p_{8,206} + p_{8,190}\\ &+ p_{8,129} + p_{8,65} + p_{8,97} + p_{8,17} + 2p_{8,81} + p_{7,9} + p_{8,41} + p_{8,121}\\ &+ p_{7,85} + p_{8,53} + p_{8,117} + p_{8,157} + p_{8,253} + p_{8,131} + 2p_{8,67} + p_{8,195}\\ &+ p_{8,115} + p_{8,139} + p_{8,75} + p_{8,107} + p_{8,187} + p_{8,251} + 2p_{8,7} + p_{8,167}\\ &+ p_{8,55} + p_{8,119} + p_{8,143} + p_{8,111} + p_{8,159})\end{aligned}}$$

$$p_{9,206} = \frac{1}{2}p_{8,206} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,206}^2 - 4(p_{8,0} + 3p_{8,32} + p_{8,96} + p_{8,136} + p_{8,200} + p_{8,56}\\ &+ p_{8,20} + p_{8,236} + p_{8,28} + p_{7,92} + p_{7,34} + p_{8,18} + p_{8,210} + p_{8,138}\\ &+ p_{7,74} + 2p_{7,106} + p_{8,250} + p_{8,6} + p_{8,38} + p_{8,150} + p_{8,78} + p_{8,62}\\ &+ p_{8,1} + p_{8,193} + p_{8,225} + p_{8,145} + 2p_{8,209} + p_{7,9} + p_{8,169} + p_{8,249}\\ &+ p_{7,85} + p_{8,181} + p_{8,245} + p_{8,29} + p_{8,125} + p_{8,3} + p_{8,67} + 2p_{8,195}\\ &+ p_{8,243} + p_{8,11} + p_{8,203} + p_{8,235} + p_{8,59} + p_{8,123} + 2p_{8,135} + p_{8,39}\\ &+ p_{8,183} + p_{8,247} + p_{8,15} + p_{8,239} + p_{8,31})\end{aligned}}$$

$$p_{9,462} = \frac{1}{2}p_{8,206} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,206}^2 - 4(p_{8,0} + 3p_{8,32} + p_{8,96} + p_{8,136} + p_{8,200} + p_{8,56}\\ &+ p_{8,20} + p_{8,236} + p_{8,28} + p_{7,92} + p_{7,34} + p_{8,18} + p_{8,210} + p_{8,138}\\ &+ p_{7,74} + 2p_{7,106} + p_{8,250} + p_{8,6} + p_{8,38} + p_{8,150} + p_{8,78} + p_{8,62}\\ &+ p_{8,1} + p_{8,193} + p_{8,225} + p_{8,145} + 2p_{8,209} + p_{7,9} + p_{8,169} + p_{8,249}\\ &+ p_{7,85} + p_{8,181} + p_{8,245} + p_{8,29} + p_{8,125} + p_{8,3} + p_{8,67} + 2p_{8,195}\\ &+ p_{8,243} + p_{8,11} + p_{8,203} + p_{8,235} + p_{8,59} + p_{8,123} + 2p_{8,135} + p_{8,39}\\ &+ p_{8,183} + p_{8,247} + p_{8,15} + p_{8,239} + p_{8,31})\end{aligned}}$$

$$p_{9,46} = \frac{1}{2}p_{8,46} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,46}^2 - 4(3p_{8,128} + p_{8,192} + p_{8,96} + p_{8,40} + p_{8,232} + p_{8,152}\\ &+ p_{8,116} + p_{8,76} + p_{7,60} + p_{8,124} + p_{7,2} + p_{8,50} + p_{8,114} + 2p_{7,74}\\ &+ p_{7,42} + p_{8,234} + p_{8,90} + p_{8,134} + p_{8,102} + p_{8,246} + p_{8,174} + p_{8,158}\\ &+ p_{8,65} + p_{8,33} + p_{8,97} + 2p_{8,49} + p_{8,241} + p_{8,9} + p_{7,105} + p_{8,89}\\ &+ p_{8,21} + p_{8,85} + p_{7,53} + p_{8,221} + p_{8,125} + 2p_{8,35} + p_{8,163} + p_{8,99}\\ &+ p_{8,83} + p_{8,75} + p_{8,43} + p_{8,107} + p_{8,155} + p_{8,219} + p_{8,135} + 2p_{8,231}\\ &+ p_{8,23} + p_{8,87} + p_{8,79} + p_{8,111} + p_{8,127})\end{aligned}}$$

$$p_{9,302} = \frac{1}{2}p_{8,46} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,46}^2 - 4(3p_{8,128} + p_{8,192} + p_{8,96} + p_{8,40} + p_{8,232} + p_{8,152}\\ &+ p_{8,116} + p_{8,76} + p_{7,60} + p_{8,124} + p_{7,2} + p_{8,50} + p_{8,114} + 2p_{7,74}\\ &+ p_{7,42} + p_{8,234} + p_{8,90} + p_{8,134} + p_{8,102} + p_{8,246} + p_{8,174} + p_{8,158}\\ &+ p_{8,65} + p_{8,33} + p_{8,97} + 2p_{8,49} + p_{8,241} + p_{8,9} + p_{7,105} + p_{8,89}\\ &+ p_{8,21} + p_{8,85} + p_{7,53} + p_{8,221} + p_{8,125} + 2p_{8,35} + p_{8,163} + p_{8,99}\\ &+ p_{8,83} + p_{8,75} + p_{8,43} + p_{8,107} + p_{8,155} + p_{8,219} + p_{8,135} + 2p_{8,231}\\ &+ p_{8,23} + p_{8,87} + p_{8,79} + p_{8,111} + p_{8,127})\end{aligned}}$$

$$p_{9,174} = \frac{1}{2}p_{8,174} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,174}^2 - 4(3p_{8,0} + p_{8,64} + p_{8,224} + p_{8,168} + p_{8,104} + p_{8,24}\\&+ p_{8,244} + p_{8,204} + p_{7,60} + p_{8,252} + p_{7,2} + p_{8,178} + p_{8,242} + 2p_{7,74}\\&+ p_{7,42} + p_{8,106} + p_{8,218} + p_{8,6} + p_{8,230} + p_{8,118} + p_{8,46} + p_{8,30}\\&+ p_{8,193} + p_{8,161} + p_{8,225} + 2p_{8,177} + p_{8,113} + p_{8,137} + p_{7,105}\\&+ p_{8,217} + p_{8,149} + p_{8,213} + p_{7,53} + p_{8,93} + p_{8,253} + p_{8,35} + 2p_{8,163}\\&+ p_{8,227} + p_{8,211} + p_{8,203} + p_{8,171} + p_{8,235} + p_{8,27} + p_{8,91} + p_{8,7}\\&+ 2p_{8,103} + p_{8,151} + p_{8,215} + p_{8,207} + p_{8,239} + p_{8,255})\end{aligned}}$$

$$p_{9,430} = \frac{1}{2}p_{8,174} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,174}^2 - 4(3p_{8,0} + p_{8,64} + p_{8,224} + p_{8,168} + p_{8,104} + p_{8,24}\\&+ p_{8,244} + p_{8,204} + p_{7,60} + p_{8,252} + p_{7,2} + p_{8,178} + p_{8,242} + 2p_{7,74}\\&+ p_{7,42} + p_{8,106} + p_{8,218} + p_{8,6} + p_{8,230} + p_{8,118} + p_{8,46} + p_{8,30}\\&+ p_{8,193} + p_{8,161} + p_{8,225} + 2p_{8,177} + p_{8,113} + p_{8,137} + p_{7,105}\\&+ p_{8,217} + p_{8,149} + p_{8,213} + p_{7,53} + p_{8,93} + p_{8,253} + p_{8,35} + 2p_{8,163}\\&+ p_{8,227} + p_{8,211} + p_{8,203} + p_{8,171} + p_{8,235} + p_{8,27} + p_{8,91} + p_{8,7}\\&+ 2p_{8,103} + p_{8,151} + p_{8,215} + p_{8,207} + p_{8,239} + p_{8,255})\end{aligned}}$$

$$p_{9,110} = \frac{1}{2}p_{8,110} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,110}^2 - 4(p_{8,0} + 3p_{8,192} + p_{8,160} + p_{8,40} + p_{8,104} + p_{8,216}\\&+ p_{8,180} + p_{8,140} + p_{8,188} + p_{7,124} + p_{7,66} + p_{8,178} + p_{8,114} + 2p_{7,10}\\&+ p_{8,42} + p_{7,106} + p_{8,154} + p_{8,198} + p_{8,166} + p_{8,54} + p_{8,238} + p_{8,222}\\&+ p_{8,129} + p_{8,161} + p_{8,97} + p_{8,49} + 2p_{8,113} + p_{8,73} + p_{7,41} + p_{8,153}\\&+ p_{8,149} + p_{8,85} + p_{7,117} + p_{8,29} + p_{8,189} + p_{8,163} + 2p_{8,99} + p_{8,227}\\&+ p_{8,147} + p_{8,139} + p_{8,171} + p_{8,107} + p_{8,27} + p_{8,219} + p_{8,199} + 2p_{8,39}\\&+ p_{8,151} + p_{8,87} + p_{8,143} + p_{8,175} + p_{8,191})\end{aligned}}$$

$$p_{9,366} = \frac{1}{2}p_{8,110} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,110}^2 - 4(p_{8,0} + 3p_{8,192} + p_{8,160} + p_{8,40} + p_{8,104} + p_{8,216}\\&+ p_{8,180} + p_{8,140} + p_{8,188} + p_{7,124} + p_{7,66} + p_{8,178} + p_{8,114} + 2p_{7,10}\\&+ p_{8,42} + p_{7,106} + p_{8,154} + p_{8,198} + p_{8,166} + p_{8,54} + p_{8,238} + p_{8,222}\\&+ p_{8,129} + p_{8,161} + p_{8,97} + p_{8,49} + 2p_{8,113} + p_{8,73} + p_{7,41} + p_{8,153}\\&+ p_{8,149} + p_{8,85} + p_{7,117} + p_{8,29} + p_{8,189} + p_{8,163} + 2p_{8,99} + p_{8,227}\\&+ p_{8,147} + p_{8,139} + p_{8,171} + p_{8,107} + p_{8,27} + p_{8,219} + p_{8,199} + 2p_{8,39}\\&+ p_{8,151} + p_{8,87} + p_{8,143} + p_{8,175} + p_{8,191})\end{aligned}}$$

$$p_{9,238} = \frac{1}{2}p_{8,238} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,238}^2 - 4(p_{8,128} + 3p_{8,64} + p_{8,32} + p_{8,168} + p_{8,232} + p_{8,88}\\&+ p_{8,52} + p_{8,12} + p_{8,60} + p_{7,124} + p_{7,66} + p_{8,50} + p_{8,242} + 2p_{7,10}\\&+ p_{8,170} + p_{7,106} + p_{8,26} + p_{8,70} + p_{8,38} + p_{8,182} + p_{8,110} + p_{8,94}\\&+ p_{8,1} + p_{8,33} + p_{8,225} + p_{8,177} + 2p_{8,241} + p_{8,201} + p_{7,41} + p_{8,25}\\&+ p_{8,21} + p_{8,213} + p_{7,117} + p_{8,157} + p_{8,61} + p_{8,35} + p_{8,99} + 2p_{8,227}\\&+ p_{8,19} + p_{8,11} + p_{8,43} + p_{8,235} + p_{8,155} + p_{8,91} + p_{8,71} + 2p_{8,167}\\&+ p_{8,23} + p_{8,215} + p_{8,15} + p_{8,47} + p_{8,63})\end{aligned}}$$

$$p_{9,494} = \frac{1}{2}p_{8,238} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,238}^2 - 4(p_{8,128} + 3p_{8,64} + p_{8,32} + p_{8,168} + p_{8,232} + p_{8,88}\\&+ p_{8,52} + p_{8,12} + p_{8,60} + p_{7,124} + p_{7,66} + p_{8,50} + p_{8,242} + 2p_{7,10}\\&+ p_{8,170} + p_{7,106} + p_{8,26} + p_{8,70} + p_{8,38} + p_{8,182} + p_{8,110} + p_{8,94}\\&+ p_{8,1} + p_{8,33} + p_{8,225} + p_{8,177} + 2p_{8,241} + p_{8,201} + p_{7,41} + p_{8,25}\\&+ p_{8,21} + p_{8,213} + p_{7,117} + p_{8,157} + p_{8,61} + p_{8,35} + p_{8,99} + 2p_{8,227}\\&+ p_{8,19} + p_{8,11} + p_{8,43} + p_{8,235} + p_{8,155} + p_{8,91} + p_{8,71} + 2p_{8,167}\\&+ p_{8,23} + p_{8,215} + p_{8,15} + p_{8,47} + p_{8,63})\end{aligned}}$$

$$p_{9,30} = \frac{1}{2}p_{8,30} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,30}^2 - 4(p_{8,80} + p_{8,176} + 3p_{8,112} + p_{8,136} + p_{8,24} + p_{8,216}\\&+ p_{8,100} + p_{7,44} + p_{8,108} + p_{8,60} + p_{8,34} + p_{8,98} + p_{7,114} + p_{8,74}\\&+ p_{7,26} + p_{8,218} + 2p_{7,58} + p_{8,230} + p_{8,86} + p_{8,118} + p_{8,142} + p_{8,158}\\&+ 2p_{8,33} + p_{8,225} + p_{8,17} + p_{8,81} + p_{8,49} + p_{8,73} + p_{7,89} + p_{8,249}\\&+ p_{8,5} + p_{8,69} + p_{7,37} + p_{8,205} + p_{8,109} + p_{8,67} + 2p_{8,19} + p_{8,147}\\&+ p_{8,83} + p_{8,139} + p_{8,203} + p_{8,27} + p_{8,91} + p_{8,59} + p_{8,7} + p_{8,71}\\&+ 2p_{8,215} + p_{8,119} + p_{8,111} + p_{8,95} + p_{8,63})\end{aligned}}$$

$$p_{9,286} = \frac{1}{2}p_{8,30} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,30}^2 - 4(p_{8,80} + p_{8,176} + 3p_{8,112} + p_{8,136} + p_{8,24} + p_{8,216}\\&+ p_{8,100} + p_{7,44} + p_{8,108} + p_{8,60} + p_{8,34} + p_{8,98} + p_{7,114} + p_{8,74}\\&+ p_{7,26} + p_{8,218} + 2p_{7,58} + p_{8,230} + p_{8,86} + p_{8,118} + p_{8,142} + p_{8,158}\\&+ 2p_{8,33} + p_{8,225} + p_{8,17} + p_{8,81} + p_{8,49} + p_{8,73} + p_{7,89} + p_{8,249}\\&+ p_{8,5} + p_{8,69} + p_{7,37} + p_{8,205} + p_{8,109} + p_{8,67} + 2p_{8,19} + p_{8,147}\\&+ p_{8,83} + p_{8,139} + p_{8,203} + p_{8,27} + p_{8,91} + p_{8,59} + p_{8,7} + p_{8,71}\\&+ 2p_{8,215} + p_{8,119} + p_{8,111} + p_{8,95} + p_{8,63})\end{aligned}}$$

$$p_{9,158} = \frac{1}{2}p_{8,158} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,158}^2 - 4(p_{8,208} + p_{8,48} + 3p_{8,240} + p_{8,8} + p_{8,152} + p_{8,88}\\&+ p_{8,228} + p_{7,44} + p_{8,236} + p_{8,188} + p_{8,162} + p_{8,226} + p_{7,114} + p_{8,202}\\&+ p_{7,26} + p_{8,90} + 2p_{7,58} + p_{8,102} + p_{8,214} + p_{8,246} + p_{8,14} + p_{8,30}\\&+ 2p_{8,161} + p_{8,97} + p_{8,145} + p_{8,209} + p_{8,177} + p_{8,201} + p_{7,89} + p_{8,121}\\&+ p_{8,133} + p_{8,197} + p_{7,37} + p_{8,77} + p_{8,237} + p_{8,195} + p_{8,19} + 2p_{8,147}\\&+ p_{8,211} + p_{8,11} + p_{8,75} + p_{8,155} + p_{8,219} + p_{8,187} + p_{8,135} + p_{8,199}\\&+ 2p_{8,87} + p_{8,247} + p_{8,239} + p_{8,223} + p_{8,191})\end{aligned}}$$

$$p_{9,414} = \frac{1}{2}p_{8,158} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,158}^2 - 4(p_{8,208} + p_{8,48} + 3p_{8,240} + p_{8,8} + p_{8,152} + p_{8,88}\\&+ p_{8,228} + p_{7,44} + p_{8,236} + p_{8,188} + p_{8,162} + p_{8,226} + p_{7,114} + p_{8,202}\\&+ p_{7,26} + p_{8,90} + 2p_{7,58} + p_{8,102} + p_{8,214} + p_{8,246} + p_{8,14} + p_{8,30}\\&+ 2p_{8,161} + p_{8,97} + p_{8,145} + p_{8,209} + p_{8,177} + p_{8,201} + p_{7,89} + p_{8,121}\\&+ p_{8,133} + p_{8,197} + p_{7,37} + p_{8,77} + p_{8,237} + p_{8,195} + p_{8,19} + 2p_{8,147}\\&+ p_{8,211} + p_{8,11} + p_{8,75} + p_{8,155} + p_{8,219} + p_{8,187} + p_{8,135} + p_{8,199}\\&+ 2p_{8,87} + p_{8,247} + p_{8,239} + p_{8,223} + p_{8,191})\end{aligned}}$$

$$p_{9,94} = \frac{1}{2}p_{8,94} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,94}^2 - 4(p_{8,144} + 3p_{8,176} + p_{8,240} + p_{8,200} + p_{8,24} + p_{8,88}\\&+ p_{8,164} + p_{8,172} + p_{7,108} + p_{8,124} + p_{8,162} + p_{8,98} + p_{7,50} + p_{8,138}\\&+ p_{8,26} + p_{7,90} + 2p_{7,122} + p_{8,38} + p_{8,150} + p_{8,182} + p_{8,206} + p_{8,222}\\&+ p_{8,33} + 2p_{8,97} + p_{8,145} + p_{8,81} + p_{8,113} + p_{8,137} + p_{7,25} + p_{8,57}\\&+ p_{8,133} + p_{8,69} + p_{7,101} + p_{8,13} + p_{8,173} + p_{8,131} + p_{8,147} + 2p_{8,83}\\&+ p_{8,211} + p_{8,11} + p_{8,203} + p_{8,155} + p_{8,91} + p_{8,123} + p_{8,135} + p_{8,71}\\&+ 2p_{8,23} + p_{8,183} + p_{8,175} + p_{8,159} + p_{8,127})\end{aligned}}$$

$$p_{9,350} = \frac{1}{2}p_{8,94} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,94}^2 - 4(p_{8,144} + 3p_{8,176} + p_{8,240} + p_{8,200} + p_{8,24} + p_{8,88}\\&+ p_{8,164} + p_{8,172} + p_{7,108} + p_{8,124} + p_{8,162} + p_{8,98} + p_{7,50} + p_{8,138}\\&+ p_{8,26} + p_{7,90} + 2p_{7,122} + p_{8,38} + p_{8,150} + p_{8,182} + p_{8,206} + p_{8,222}\\&+ p_{8,33} + 2p_{8,97} + p_{8,145} + p_{8,81} + p_{8,113} + p_{8,137} + p_{7,25} + p_{8,57}\\&+ p_{8,133} + p_{8,69} + p_{7,101} + p_{8,13} + p_{8,173} + p_{8,131} + p_{8,147} + 2p_{8,83}\\&+ p_{8,211} + p_{8,11} + p_{8,203} + p_{8,155} + p_{8,91} + p_{8,123} + p_{8,135} + p_{8,71}\\&+ 2p_{8,23} + p_{8,183} + p_{8,175} + p_{8,159} + p_{8,127})\end{aligned}}$$

$$p_{9,222} = \frac{1}{2}p_{8,222} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,222}^2 - 4(p_{8,16} + 3p_{8,48} + p_{8,112} + p_{8,72} + p_{8,152} + p_{8,216}\\&+ p_{8,36} + p_{8,44} + p_{7,108} + p_{8,252} + p_{8,34} + p_{8,226} + p_{7,50} + p_{8,10}\\&+ p_{8,154} + p_{7,90} + 2p_{7,122} + p_{8,166} + p_{8,22} + p_{8,54} + p_{8,78} + p_{8,94}\\&+ p_{8,161} + 2p_{8,225} + p_{8,17} + p_{8,209} + p_{8,241} + p_{8,9} + p_{7,25} + p_{8,185}\\&+ p_{8,5} + p_{8,197} + p_{7,101} + p_{8,141} + p_{8,45} + p_{8,3} + p_{8,19} + p_{8,83}\\&+ 2p_{8,211} + p_{8,139} + p_{8,75} + p_{8,27} + p_{8,219} + p_{8,251} + p_{8,7} + p_{8,199}\\&+ 2p_{8,151} + p_{8,55} + p_{8,47} + p_{8,31} + p_{8,255})\end{aligned}}$$

$$p_{9,478} = \frac{1}{2}p_{8,222} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,222}^2 - 4(p_{8,16} + 3p_{8,48} + p_{8,112} + p_{8,72} + p_{8,152} + p_{8,216}\\&+ p_{8,36} + p_{8,44} + p_{7,108} + p_{8,252} + p_{8,34} + p_{8,226} + p_{7,50} + p_{8,10}\\&+ p_{8,154} + p_{7,90} + 2p_{7,122} + p_{8,166} + p_{8,22} + p_{8,54} + p_{8,78} + p_{8,94}\\&+ p_{8,161} + 2p_{8,225} + p_{8,17} + p_{8,209} + p_{8,241} + p_{8,9} + p_{7,25} + p_{8,185}\\&+ p_{8,5} + p_{8,197} + p_{7,101} + p_{8,141} + p_{8,45} + p_{8,3} + p_{8,19} + p_{8,83}\\&+ 2p_{8,211} + p_{8,139} + p_{8,75} + p_{8,27} + p_{8,219} + p_{8,251} + p_{8,7} + p_{8,199}\\&+ 2p_{8,151} + p_{8,55} + p_{8,47} + p_{8,31} + p_{8,255})\end{aligned}}$$

$$p_{9,62} = \frac{1}{2}p_{8,62} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,62}^2 - 4(3p_{8,144} + p_{8,208} + p_{8,112} + p_{8,168} + p_{8,56} + p_{8,248}\\&+ p_{8,132} + p_{8,140} + p_{7,76} + p_{8,92} + p_{8,130} + p_{8,66} + p_{7,18} + p_{8,106}\\&+ 2p_{7,90} + p_{7,58} + p_{8,250} + p_{8,6} + p_{8,150} + p_{8,118} + p_{8,174} + p_{8,190}\\&+ p_{8,1} + 2p_{8,65} + p_{8,81} + p_{8,49} + p_{8,113} + p_{8,105} + p_{8,25} + p_{7,121}\\&+ p_{7,69} + p_{8,37} + p_{8,101} + p_{8,141} + p_{8,237} + p_{8,99} + 2p_{8,51} + p_{8,179}\\&+ p_{8,115} + p_{8,171} + p_{8,235} + p_{8,91} + p_{8,59} + p_{8,123} + p_{8,39} + p_{8,103}\\&+ p_{8,151} + 2p_{8,247} + p_{8,143} + p_{8,95} + p_{8,127})\end{aligned}}$$

$$p_{9,318} = \frac{1}{2}p_{8,62} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,62}^2 - 4(3p_{8,144} + p_{8,208} + p_{8,112} + p_{8,168} + p_{8,56} + p_{8,248}\\&+ p_{8,132} + p_{8,140} + p_{7,76} + p_{8,92} + p_{8,130} + p_{8,66} + p_{7,18} + p_{8,106}\\&+ 2p_{7,90} + p_{7,58} + p_{8,250} + p_{8,6} + p_{8,150} + p_{8,118} + p_{8,174} + p_{8,190}\\&+ p_{8,1} + 2p_{8,65} + p_{8,81} + p_{8,49} + p_{8,113} + p_{8,105} + p_{8,25} + p_{7,121}\\&+ p_{7,69} + p_{8,37} + p_{8,101} + p_{8,141} + p_{8,237} + p_{8,99} + 2p_{8,51} + p_{8,179}\\&+ p_{8,115} + p_{8,171} + p_{8,235} + p_{8,91} + p_{8,59} + p_{8,123} + p_{8,39} + p_{8,103}\\&+ p_{8,151} + 2p_{8,247} + p_{8,143} + p_{8,95} + p_{8,127})\end{aligned}}$$

$$p_{9,190} = \frac{1}{2}p_{8,190} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,190}^2 - 4(3p_{8,16} + p_{8,80} + p_{8,240} + p_{8,40} + p_{8,184} + p_{8,120}\\&+ p_{8,4} + p_{8,12} + p_{7,76} + p_{8,220} + p_{8,2} + p_{8,194} + p_{7,18} + p_{8,234}\\&+ 2p_{7,90} + p_{7,58} + p_{8,122} + p_{8,134} + p_{8,22} + p_{8,246} + p_{8,46} + p_{8,62}\\&+ p_{8,129} + 2p_{8,193} + p_{8,209} + p_{8,177} + p_{8,241} + p_{8,233} + p_{8,153}\\&+ p_{7,121} + p_{7,69} + p_{8,165} + p_{8,229} + p_{8,13} + p_{8,109} + p_{8,227} + p_{8,51}\\&+ 2p_{8,179} + p_{8,243} + p_{8,43} + p_{8,107} + p_{8,219} + p_{8,187} + p_{8,251}\\&+ p_{8,167} + p_{8,231} + p_{8,23} + 2p_{8,119} + p_{8,15} + p_{8,223} + p_{8,255})\end{aligned}}$$

$$p_{9,446} = \frac{1}{2}p_{8,190} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,190}^2 - 4(3p_{8,16} + p_{8,80} + p_{8,240} + p_{8,40} + p_{8,184} + p_{8,120}\\&+ p_{8,4} + p_{8,12} + p_{7,76} + p_{8,220} + p_{8,2} + p_{8,194} + p_{7,18} + p_{8,234}\\&+ 2p_{7,90} + p_{7,58} + p_{8,122} + p_{8,134} + p_{8,22} + p_{8,246} + p_{8,46} + p_{8,62}\\&+ p_{8,129} + 2p_{8,193} + p_{8,209} + p_{8,177} + p_{8,241} + p_{8,233} + p_{8,153}\\&+ p_{7,121} + p_{7,69} + p_{8,165} + p_{8,229} + p_{8,13} + p_{8,109} + p_{8,227} + p_{8,51}\\&+ 2p_{8,179} + p_{8,243} + p_{8,43} + p_{8,107} + p_{8,219} + p_{8,187} + p_{8,251}\\&+ p_{8,167} + p_{8,231} + p_{8,23} + 2p_{8,119} + p_{8,15} + p_{8,223} + p_{8,255})\end{aligned}}$$

$$p_{9,126} = \frac{1}{2}p_{8,126} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,126}^2 - 4(p_{8,16} + 3p_{8,208} + p_{8,176} + p_{8,232} + p_{8,56} + p_{8,120}\\&+ p_{8,196} + p_{7,12} + p_{8,204} + p_{8,156} + p_{8,130} + p_{8,194} + p_{7,82} + p_{8,170}\\&+ 2p_{7,26} + p_{8,58} + p_{7,122} + p_{8,70} + p_{8,214} + p_{8,182} + p_{8,238} + p_{8,254}\\&+ 2p_{8,129} + p_{8,65} + p_{8,145} + p_{8,177} + p_{8,113} + p_{8,169} + p_{8,89} + p_{7,57}\\&+ p_{7,5} + p_{8,165} + p_{8,101} + p_{8,205} + p_{8,45} + p_{8,163} + p_{8,179} + 2p_{8,115}\\&+ p_{8,243} + p_{8,43} + p_{8,235} + p_{8,155} + p_{8,187} + p_{8,123} + p_{8,167} + p_{8,103}\\&+ p_{8,215} + 2p_{8,55} + p_{8,207} + p_{8,159} + p_{8,191})\end{aligned}}$$

$$p_{9,382} = \frac{1}{2}p_{8,126} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,126}^2 - 4(p_{8,16} + 3p_{8,208} + p_{8,176} + p_{8,232} + p_{8,56} + p_{8,120}\\&+ p_{8,196} + p_{7,12} + p_{8,204} + p_{8,156} + p_{8,130} + p_{8,194} + p_{7,82} + p_{8,170}\\&+ 2p_{7,26} + p_{8,58} + p_{7,122} + p_{8,70} + p_{8,214} + p_{8,182} + p_{8,238} + p_{8,254}\\&+ 2p_{8,129} + p_{8,65} + p_{8,145} + p_{8,177} + p_{8,113} + p_{8,169} + p_{8,89} + p_{7,57}\\&+ p_{7,5} + p_{8,165} + p_{8,101} + p_{8,205} + p_{8,45} + p_{8,163} + p_{8,179} + 2p_{8,115}\\&+ p_{8,243} + p_{8,43} + p_{8,235} + p_{8,155} + p_{8,187} + p_{8,123} + p_{8,167} + p_{8,103}\\&+ p_{8,215} + 2p_{8,55} + p_{8,207} + p_{8,159} + p_{8,191})\end{aligned}}$$

$$p_{9,254} = \frac{1}{2}p_{8,254} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,254}^2 - 4(p_{8,144} + 3p_{8,80} + p_{8,48} + p_{8,104} + p_{8,184} + p_{8,248}\\&+ p_{8,68} + p_{7,12} + p_{8,76} + p_{8,28} + p_{8,2} + p_{8,66} + p_{7,82} + p_{8,42}\\&+ 2p_{7,26} + p_{8,186} + p_{7,122} + p_{8,198} + p_{8,86} + p_{8,54} + p_{8,110} + p_{8,126}\\&+ 2p_{8,1} + p_{8,193} + p_{8,17} + p_{8,49} + p_{8,241} + p_{8,41} + p_{8,217} + p_{7,57}\\&+ p_{7,5} + p_{8,37} + p_{8,229} + p_{8,77} + p_{8,173} + p_{8,35} + p_{8,51} + p_{8,115}\\&+ 2p_{8,243} + p_{8,171} + p_{8,107} + p_{8,27} + p_{8,59} + p_{8,251} + p_{8,39} + p_{8,231}\\&+ p_{8,87} + 2p_{8,183} + p_{8,79} + p_{8,31} + p_{8,63})\end{aligned}}$$

$$p_{9,510} = \frac{1}{2}p_{8,254} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,254}^2 - 4(p_{8,144} + 3p_{8,80} + p_{8,48} + p_{8,104} + p_{8,184} + p_{8,248}\\&+ p_{8,68} + p_{7,12} + p_{8,76} + p_{8,28} + p_{8,2} + p_{8,66} + p_{7,82} + p_{8,42}\\&+ 2p_{7,26} + p_{8,186} + p_{7,122} + p_{8,198} + p_{8,86} + p_{8,54} + p_{8,110} + p_{8,126}\\&+ 2p_{8,1} + p_{8,193} + p_{8,17} + p_{8,49} + p_{8,241} + p_{8,41} + p_{8,217} + p_{7,57}\\&+ p_{7,5} + p_{8,37} + p_{8,229} + p_{8,77} + p_{8,173} + p_{8,35} + p_{8,51} + p_{8,115}\\&+ 2p_{8,243} + p_{8,171} + p_{8,107} + p_{8,27} + p_{8,59} + p_{8,251} + p_{8,39} + p_{8,231}\\&+ p_{8,87} + 2p_{8,183} + p_{8,79} + p_{8,31} + p_{8,63})\end{aligned}}$$

$$p_{9,1} = \frac{1}{2}p_{8,1} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,1}^2 - 4(p_{8,80} + p_{8,176} + p_{7,8} + p_{8,40} + p_{8,232} + 2p_{8,4}\\&+ p_{8,196} + p_{8,20} + p_{8,52} + p_{8,244} + p_{8,44} + p_{8,220} + p_{7,60} + p_{8,66}\\&+ p_{8,34} + p_{8,82} + p_{8,42} + p_{8,234} + p_{8,90} + 2p_{8,186} + p_{8,38} + p_{8,54}\\&+ p_{8,118} + 2p_{8,246} + p_{8,174} + p_{8,110} + p_{8,30} + p_{8,62} + p_{8,254}\\&+ p_{8,129} + p_{8,113} + p_{8,201} + p_{8,89} + p_{8,57} + p_{8,5} + p_{8,69} + p_{7,85}\\&+ p_{8,45} + 2p_{7,29} + p_{8,189} + p_{7,125} + p_{8,147} + 3p_{8,83} + p_{8,51}\\&+ p_{8,107} + p_{8,187} + p_{8,251} + p_{8,71} + p_{7,15} + p_{8,79} + p_{8,31})\end{aligned}}$$

$$p_{9,257} = \frac{1}{2}p_{8,1} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,1}^2 - 4(p_{8,80} + p_{8,176} + p_{7,8} + p_{8,40} + p_{8,232} + 2p_{8,4}\\&+ p_{8,196} + p_{8,20} + p_{8,52} + p_{8,244} + p_{8,44} + p_{8,220} + p_{7,60} + p_{8,66}\\&+ p_{8,34} + p_{8,82} + p_{8,42} + p_{8,234} + p_{8,90} + 2p_{8,186} + p_{8,38} + p_{8,54}\\&+ p_{8,118} + 2p_{8,246} + p_{8,174} + p_{8,110} + p_{8,30} + p_{8,62} + p_{8,254}\\&+ p_{8,129} + p_{8,113} + p_{8,201} + p_{8,89} + p_{8,57} + p_{8,5} + p_{8,69} + p_{7,85}\\&+ p_{8,45} + 2p_{7,29} + p_{8,189} + p_{7,125} + p_{8,147} + 3p_{8,83} + p_{8,51}\\&+ p_{8,107} + p_{8,187} + p_{8,251} + p_{8,71} + p_{7,15} + p_{8,79} + p_{8,31})\end{aligned}}$$

$$p_{9,129} = \frac{1}{2}p_{8,129} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,129}^2 - 4(p_{8,208} + p_{8,48} + p_{7,8} + p_{8,168} + p_{8,104} + 2p_{8,132}\\&+ p_{8,68} + p_{8,148} + p_{8,180} + p_{8,116} + p_{8,172} + p_{8,92} + p_{7,60} + p_{8,194}\\&+ p_{8,162} + p_{8,210} + p_{8,170} + p_{8,106} + p_{8,218} + 2p_{8,58} + p_{8,166} + p_{8,182}\\&+ 2p_{8,118} + p_{8,246} + p_{8,46} + p_{8,238} + p_{8,158} + p_{8,190} + p_{8,126} + p_{8,1}\\&+ p_{8,241} + p_{8,73} + p_{8,217} + p_{8,185} + p_{8,133} + p_{8,197} + p_{7,85} + p_{8,173}\\&+ 2p_{7,29} + p_{8,61} + p_{7,125} + p_{8,19} + 3p_{8,211} + p_{8,179} + p_{8,235} + p_{8,59}\\&+ p_{8,123} + p_{8,199} + p_{7,15} + p_{8,207} + p_{8,159})\end{aligned}}$$

$$p_{9,385} = \frac{1}{2}p_{8,129} + \frac{1}{2}\sqrt{\begin{array}{l} p_{8,129}^2 - 4(p_{8,208} + p_{8,48} + p_{7,8} + p_{8,168} + p_{8,104} + 2p_{8,132} \\ + p_{8,68} + p_{8,148} + p_{8,180} + p_{8,116} + p_{8,172} + p_{8,92} + p_{7,60} + p_{8,194} \\ + p_{8,162} + p_{8,210} + p_{8,170} + p_{8,106} + p_{8,218} + 2p_{8,58} + p_{8,166} + p_{8,182} \\ + 2p_{8,118} + p_{8,246} + p_{8,46} + p_{8,238} + p_{8,158} + p_{8,190} + p_{8,126} + p_{8,1} \\ + p_{8,241} + p_{8,73} + p_{8,217} + p_{8,185} + p_{8,133} + p_{8,197} + p_{7,85} + p_{8,173} \\ + 2p_{7,29} + p_{8,61} + p_{7,125} + p_{8,19} + 3p_{8,211} + p_{8,179} + p_{8,235} + p_{8,59} \\ + p_{8,123} + p_{8,199} + p_{7,15} + p_{8,207} + p_{8,159}) \end{array}}$$

$$p_{9,65} = \frac{1}{2}p_{8,65} + \frac{1}{2}\sqrt{\begin{array}{l} p_{8,65}^2 - 4(p_{8,144} + p_{8,240} + p_{7,72} + p_{8,40} + p_{8,104} + p_{8,4} \\ + 2p_{8,68} + p_{8,84} + p_{8,52} + p_{8,116} + p_{8,108} + p_{8,28} + p_{7,124} + p_{8,130} \\ + p_{8,98} + p_{8,146} + p_{8,42} + p_{8,106} + p_{8,154} + 2p_{8,250} + p_{8,102} + 2p_{8,54} \\ + p_{8,182} + p_{8,118} + p_{8,174} + p_{8,238} + p_{8,94} + p_{8,62} + p_{8,126} + p_{8,193} \\ + p_{8,177} + p_{8,9} + p_{8,153} + p_{8,121} + p_{8,133} + p_{8,69} + p_{7,21} + p_{8,109} \\ + 2p_{7,93} + p_{7,61} + p_{8,253} + 3p_{8,147} + p_{8,211} + p_{8,115} + p_{8,171} + p_{8,59} \\ + p_{8,251} + p_{8,135} + p_{8,143} + p_{7,79} + p_{8,95}) \end{array}}$$

$$p_{9,321} = \frac{1}{2}p_{8,65} - \frac{1}{2}\sqrt{\begin{array}{l} p_{8,65}^2 - 4(p_{8,144} + p_{8,240} + p_{7,72} + p_{8,40} + p_{8,104} + p_{8,4} \\ + 2p_{8,68} + p_{8,84} + p_{8,52} + p_{8,116} + p_{8,108} + p_{8,28} + p_{7,124} + p_{8,130} \\ + p_{8,98} + p_{8,146} + p_{8,42} + p_{8,106} + p_{8,154} + 2p_{8,250} + p_{8,102} + 2p_{8,54} \\ + p_{8,182} + p_{8,118} + p_{8,174} + p_{8,238} + p_{8,94} + p_{8,62} + p_{8,126} + p_{8,193} \\ + p_{8,177} + p_{8,9} + p_{8,153} + p_{8,121} + p_{8,133} + p_{8,69} + p_{7,21} + p_{8,109} \\ + 2p_{7,93} + p_{7,61} + p_{8,253} + 3p_{8,147} + p_{8,211} + p_{8,115} + p_{8,171} + p_{8,59} \\ + p_{8,251} + p_{8,135} + p_{8,143} + p_{7,79} + p_{8,95}) \end{array}}$$

$$p_{9,193} = \frac{1}{2}p_{8,193} + \frac{1}{2}\sqrt{\begin{array}{l} p_{8,193}^2 - 4(p_{8,16} + p_{8,112} + p_{7,72} + p_{8,168} + p_{8,232} + p_{8,132} \\ + 2p_{8,196} + p_{8,212} + p_{8,180} + p_{8,244} + p_{8,236} + p_{8,156} + p_{7,124} + p_{8,2} \\ + p_{8,226} + p_{8,18} + p_{8,170} + p_{8,234} + p_{8,26} + 2p_{8,122} + p_{8,230} + p_{8,54} \\ + 2p_{8,182} + p_{8,246} + p_{8,46} + p_{8,110} + p_{8,222} + p_{8,190} + p_{8,254} + p_{8,65} \\ + p_{8,49} + p_{8,137} + p_{8,25} + p_{8,249} + p_{8,5} + p_{8,197} + p_{7,21} + p_{8,237} \\ + 2p_{7,93} + p_{7,61} + p_{8,125} + 3p_{8,19} + p_{8,83} + p_{8,243} + p_{8,43} + p_{8,187} \\ + p_{8,123} + p_{8,7} + p_{8,15} + p_{7,79} + p_{8,223}) \end{array}}$$

$$p_{9,449} = \frac{1}{2}p_{8,193} - \frac{1}{2}\sqrt{\begin{array}{l} p_{8,193}^2 - 4(p_{8,16} + p_{8,112} + p_{7,72} + p_{8,168} + p_{8,232} + p_{8,132} \\ + 2p_{8,196} + p_{8,212} + p_{8,180} + p_{8,244} + p_{8,236} + p_{8,156} + p_{7,124} + p_{8,2} \\ + p_{8,226} + p_{8,18} + p_{8,170} + p_{8,234} + p_{8,26} + 2p_{8,122} + p_{8,230} + p_{8,54} \\ + 2p_{8,182} + p_{8,246} + p_{8,46} + p_{8,110} + p_{8,222} + p_{8,190} + p_{8,254} + p_{8,65} \\ + p_{8,49} + p_{8,137} + p_{8,25} + p_{8,249} + p_{8,5} + p_{8,197} + p_{7,21} + p_{8,237} \\ + 2p_{7,93} + p_{7,61} + p_{8,125} + 3p_{8,19} + p_{8,83} + p_{8,243} + p_{8,43} + p_{8,187} \\ + p_{8,123} + p_{8,7} + p_{8,15} + p_{7,79} + p_{8,223}) \end{array}}$$

$$p_{9,33} = \frac{1}{2}p_{8,33} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,33}^2 - 4(p_{8,208} + p_{8,112} + p_{8,8} + p_{8,72} + p_{7,40} + 2p_{8,36}\\&+ p_{8,228} + p_{8,20} + p_{8,84} + p_{8,52} + p_{8,76} + p_{7,92} + p_{8,252} + p_{8,66}\\&+ p_{8,98} + p_{8,114} + p_{8,10} + p_{8,74} + 2p_{8,218} + p_{8,122} + p_{8,70} + 2p_{8,22}\\&+ p_{8,150} + p_{8,86} + p_{8,142} + p_{8,206} + p_{8,30} + p_{8,94} + p_{8,62} + p_{8,161}\\&+ p_{8,145} + p_{8,233} + p_{8,89} + p_{8,121} + p_{8,37} + p_{8,101} + p_{7,117} + p_{8,77}\\&+ p_{7,29} + p_{8,221} + 2p_{7,61} + p_{8,83} + p_{8,179} + 3p_{8,115} + p_{8,139} + p_{8,27}\\&+ p_{8,219} + p_{8,103} + p_{7,47} + p_{8,111} + p_{8,63})\end{aligned}}$$

$$p_{9,289} = \frac{1}{2}p_{8,33} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,33}^2 - 4(p_{8,208} + p_{8,112} + p_{8,8} + p_{8,72} + p_{7,40} + 2p_{8,36}\\&+ p_{8,228} + p_{8,20} + p_{8,84} + p_{8,52} + p_{8,76} + p_{7,92} + p_{8,252} + p_{8,66}\\&+ p_{8,98} + p_{8,114} + p_{8,10} + p_{8,74} + 2p_{8,218} + p_{8,122} + p_{8,70} + 2p_{8,22}\\&+ p_{8,150} + p_{8,86} + p_{8,142} + p_{8,206} + p_{8,30} + p_{8,94} + p_{8,62} + p_{8,161}\\&+ p_{8,145} + p_{8,233} + p_{8,89} + p_{8,121} + p_{8,37} + p_{8,101} + p_{7,117} + p_{8,77}\\&+ p_{7,29} + p_{8,221} + 2p_{7,61} + p_{8,83} + p_{8,179} + 3p_{8,115} + p_{8,139} + p_{8,27}\\&+ p_{8,219} + p_{8,103} + p_{7,47} + p_{8,111} + p_{8,63})\end{aligned}}$$

$$p_{9,161} = \frac{1}{2}p_{8,161} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,161}^2 - 4(p_{8,80} + p_{8,240} + p_{8,136} + p_{8,200} + p_{7,40} + 2p_{8,164}\\&+ p_{8,100} + p_{8,148} + p_{8,212} + p_{8,180} + p_{8,204} + p_{7,92} + p_{8,124} + p_{8,194}\\&+ p_{8,226} + p_{8,242} + p_{8,138} + p_{8,202} + 2p_{8,90} + p_{8,250} + p_{8,198} + p_{8,22}\\&+ 2p_{8,150} + p_{8,214} + p_{8,14} + p_{8,78} + p_{8,158} + p_{8,222} + p_{8,190} + p_{8,33}\\&+ p_{8,17} + p_{8,105} + p_{8,217} + p_{8,249} + p_{8,165} + p_{8,229} + p_{7,117} + p_{8,205}\\&+ p_{7,29} + p_{8,93} + 2p_{7,61} + p_{8,211} + p_{8,51} + 3p_{8,243} + p_{8,11} + p_{8,155}\\&+ p_{8,91} + p_{8,231} + p_{7,47} + p_{8,239} + p_{8,191})\end{aligned}}$$

$$p_{9,417} = \frac{1}{2}p_{8,161} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,161}^2 - 4(p_{8,80} + p_{8,240} + p_{8,136} + p_{8,200} + p_{7,40} + 2p_{8,164}\\&+ p_{8,100} + p_{8,148} + p_{8,212} + p_{8,180} + p_{8,204} + p_{7,92} + p_{8,124} + p_{8,194}\\&+ p_{8,226} + p_{8,242} + p_{8,138} + p_{8,202} + 2p_{8,90} + p_{8,250} + p_{8,198} + p_{8,22}\\&+ 2p_{8,150} + p_{8,214} + p_{8,14} + p_{8,78} + p_{8,158} + p_{8,222} + p_{8,190} + p_{8,33}\\&+ p_{8,17} + p_{8,105} + p_{8,217} + p_{8,249} + p_{8,165} + p_{8,229} + p_{7,117} + p_{8,205}\\&+ p_{7,29} + p_{8,93} + 2p_{7,61} + p_{8,211} + p_{8,51} + 3p_{8,243} + p_{8,11} + p_{8,155}\\&+ p_{8,91} + p_{8,231} + p_{7,47} + p_{8,239} + p_{8,191})\end{aligned}}$$

$$p_{9,97} = \frac{1}{2}p_{8,97} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,97}^2 - 4(p_{8,16} + p_{8,176} + p_{8,136} + p_{8,72} + p_{7,104} + p_{8,36}\\&+ 2p_{8,100} + p_{8,148} + p_{8,84} + p_{8,116} + p_{8,140} + p_{7,28} + p_{8,60} + p_{8,130}\\&+ p_{8,162} + p_{8,178} + p_{8,138} + p_{8,74} + 2p_{8,26} + p_{8,186} + p_{8,134} + p_{8,150}\\&+ 2p_{8,86} + p_{8,214} + p_{8,14} + p_{8,206} + p_{8,158} + p_{8,94} + p_{8,126} + p_{8,225}\\&+ p_{8,209} + p_{8,41} + p_{8,153} + p_{8,185} + p_{8,165} + p_{8,101} + p_{7,53} + p_{8,141}\\&+ p_{8,29} + p_{7,93} + 2p_{7,125} + p_{8,147} + 3p_{8,179} + p_{8,243} + p_{8,203} + p_{8,27}\\&+ p_{8,91} + p_{8,167} + p_{8,175} + p_{7,111} + p_{8,127})\end{aligned}}$$

$$p_{9,353} = \frac{1}{2}p_{8,97} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,97}^2 - 4(p_{8,16} + p_{8,176} + p_{8,136} + p_{8,72} + p_{7,104} + p_{8,36}\\&+ 2p_{8,100} + p_{8,148} + p_{8,84} + p_{8,116} + p_{8,140} + p_{7,28} + p_{8,60} + p_{8,130}\\&+ p_{8,162} + p_{8,178} + p_{8,138} + p_{8,74} + 2p_{8,26} + p_{8,186} + p_{8,134} + p_{8,150}\\&+ 2p_{8,86} + p_{8,214} + p_{8,14} + p_{8,206} + p_{8,158} + p_{8,94} + p_{8,126} + p_{8,225}\\&+ p_{8,209} + p_{8,41} + p_{8,153} + p_{8,185} + p_{8,165} + p_{8,101} + p_{7,53} + p_{8,141}\\&+ p_{8,29} + p_{7,93} + 2p_{7,125} + p_{8,147} + 3p_{8,179} + p_{8,243} + p_{8,203} + p_{8,27}\\&+ p_{8,91} + p_{8,167} + p_{8,175} + p_{7,111} + p_{8,127})\end{aligned}}$$

$$p_{9,225} = \frac{1}{2}p_{8,225} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,225}^2 - 4(p_{8,144} + p_{8,48} + p_{8,8} + p_{8,200} + p_{7,104} + p_{8,164}\\&+ 2p_{8,228} + p_{8,20} + p_{8,212} + p_{8,244} + p_{8,12} + p_{7,28} + p_{8,188} + p_{8,2}\\&+ p_{8,34} + p_{8,50} + p_{8,10} + p_{8,202} + 2p_{8,154} + p_{8,58} + p_{8,6} + p_{8,22}\\&+ p_{8,86} + 2p_{8,214} + p_{8,142} + p_{8,78} + p_{8,30} + p_{8,222} + p_{8,254} + p_{8,97}\\&+ p_{8,81} + p_{8,169} + p_{8,25} + p_{8,57} + p_{8,37} + p_{8,229} + p_{7,53} + p_{8,13}\\&+ p_{8,157} + p_{7,93} + 2p_{7,125} + p_{8,19} + 3p_{8,51} + p_{8,115} + p_{8,75} + p_{8,155}\\&+ p_{8,219} + p_{8,39} + p_{8,47} + p_{7,111} + p_{8,255})\end{aligned}}$$

$$p_{9,481} = \frac{1}{2}p_{8,225} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,225}^2 - 4(p_{8,144} + p_{8,48} + p_{8,8} + p_{8,200} + p_{7,104} + p_{8,164}\\&+ 2p_{8,228} + p_{8,20} + p_{8,212} + p_{8,244} + p_{8,12} + p_{7,28} + p_{8,188} + p_{8,2}\\&+ p_{8,34} + p_{8,50} + p_{8,10} + p_{8,202} + 2p_{8,154} + p_{8,58} + p_{8,6} + p_{8,22}\\&+ p_{8,86} + 2p_{8,214} + p_{8,142} + p_{8,78} + p_{8,30} + p_{8,222} + p_{8,254} + p_{8,97}\\&+ p_{8,81} + p_{8,169} + p_{8,25} + p_{8,57} + p_{8,37} + p_{8,229} + p_{7,53} + p_{8,13}\\&+ p_{8,157} + p_{7,93} + 2p_{7,125} + p_{8,19} + 3p_{8,51} + p_{8,115} + p_{8,75} + p_{8,155}\\&+ p_{8,219} + p_{8,39} + p_{8,47} + p_{7,111} + p_{8,255})\end{aligned}}$$

$$p_{9,17} = \frac{1}{2}p_{8,17} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,17}^2 - 4(p_{8,192} + p_{8,96} + p_{7,24} + p_{8,56} + p_{8,248} + p_{8,4}\\&+ p_{8,68} + p_{8,36} + 2p_{8,20} + p_{8,212} + p_{7,76} + p_{8,236} + p_{8,60} + p_{8,98}\\&+ p_{8,82} + p_{8,50} + 2p_{8,202} + p_{8,106} + p_{8,58} + p_{8,250} + 2p_{8,6} + p_{8,134}\\&+ p_{8,70} + p_{8,54} + p_{8,14} + p_{8,78} + p_{8,46} + p_{8,190} + p_{8,126} + p_{8,129}\\&+ p_{8,145} + p_{8,73} + p_{8,105} + p_{8,217} + p_{7,101} + p_{8,21} + p_{8,85} + p_{7,13}\\&+ p_{8,205} + 2p_{7,45} + p_{8,61} + p_{8,67} + p_{8,163} + 3p_{8,99} + p_{8,11} + p_{8,203}\\&+ p_{8,123} + p_{8,87} + p_{8,47} + p_{7,31} + p_{8,95})\end{aligned}}$$

$$p_{9,273} = \frac{1}{2}p_{8,17} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,17}^2 - 4(p_{8,192} + p_{8,96} + p_{7,24} + p_{8,56} + p_{8,248} + p_{8,4}\\&+ p_{8,68} + p_{8,36} + 2p_{8,20} + p_{8,212} + p_{7,76} + p_{8,236} + p_{8,60} + p_{8,98}\\&+ p_{8,82} + p_{8,50} + 2p_{8,202} + p_{8,106} + p_{8,58} + p_{8,250} + 2p_{8,6} + p_{8,134}\\&+ p_{8,70} + p_{8,54} + p_{8,14} + p_{8,78} + p_{8,46} + p_{8,190} + p_{8,126} + p_{8,129}\\&+ p_{8,145} + p_{8,73} + p_{8,105} + p_{8,217} + p_{7,101} + p_{8,21} + p_{8,85} + p_{7,13}\\&+ p_{8,205} + 2p_{7,45} + p_{8,61} + p_{8,67} + p_{8,163} + 3p_{8,99} + p_{8,11} + p_{8,203}\\&+ p_{8,123} + p_{8,87} + p_{8,47} + p_{7,31} + p_{8,95})\end{aligned}}$$

$$p_{9,145} = \frac{1}{2}p_{8,145} - \frac{1}{2}\sqrt{\begin{aligned} &p_{8,145}^2 - 4(p_{8,64} + p_{8,224} + p_{7,24} + p_{8,184} + p_{8,120} + p_{8,132} \\ &+ p_{8,196} + p_{8,164} + 2p_{8,148} + p_{8,84} + p_{7,76} + p_{8,108} + p_{8,188} + p_{8,226} \\ &+ p_{8,210} + p_{8,178} + 2p_{8,74} + p_{8,234} + p_{8,186} + p_{8,122} + p_{8,6} + 2p_{8,134} \\ &+ p_{8,198} + p_{8,182} + p_{8,142} + p_{8,206} + p_{8,174} + p_{8,62} + p_{8,254} + p_{8,1} \\ &+ p_{8,17} + p_{8,201} + p_{8,233} + p_{8,89} + p_{7,101} + p_{8,149} + p_{8,213} + p_{7,13} \\ &+ p_{8,77} + 2p_{7,45} + p_{8,189} + p_{8,195} + p_{8,35} + 3p_{8,227} + p_{8,139} + p_{8,75} \\ &+ p_{8,251} + p_{8,215} + p_{8,175} + p_{7,31} + p_{8,223}) \end{aligned}}$$

$$p_{9,401} = \frac{1}{2}p_{8,145} + \frac{1}{2}\sqrt{\begin{aligned} &p_{8,145}^2 - 4(p_{8,64} + p_{8,224} + p_{7,24} + p_{8,184} + p_{8,120} + p_{8,132} \\ &+ p_{8,196} + p_{8,164} + 2p_{8,148} + p_{8,84} + p_{7,76} + p_{8,108} + p_{8,188} + p_{8,226} \\ &+ p_{8,210} + p_{8,178} + 2p_{8,74} + p_{8,234} + p_{8,186} + p_{8,122} + p_{8,6} + 2p_{8,134} \\ &+ p_{8,198} + p_{8,182} + p_{8,142} + p_{8,206} + p_{8,174} + p_{8,62} + p_{8,254} + p_{8,1} \\ &+ p_{8,17} + p_{8,201} + p_{8,233} + p_{8,89} + p_{7,101} + p_{8,149} + p_{8,213} + p_{7,13} \\ &+ p_{8,77} + 2p_{7,45} + p_{8,189} + p_{8,195} + p_{8,35} + 3p_{8,227} + p_{8,139} + p_{8,75} \\ &+ p_{8,251} + p_{8,215} + p_{8,175} + p_{7,31} + p_{8,223}) \end{aligned}}$$

$$p_{9,81} = \frac{1}{2}p_{8,81} + \frac{1}{2}\sqrt{\begin{aligned} &p_{8,81}^2 - 4(p_{8,0} + p_{8,160} + p_{7,88} + p_{8,56} + p_{8,120} + p_{8,132} \\ &+ p_{8,68} + p_{8,100} + p_{8,20} + 2p_{8,84} + p_{7,12} + p_{8,44} + p_{8,124} + p_{8,162} \\ &+ p_{8,146} + p_{8,114} + 2p_{8,10} + p_{8,170} + p_{8,58} + p_{8,122} + p_{8,134} + 2p_{8,70} \\ &+ p_{8,198} + p_{8,118} + p_{8,142} + p_{8,78} + p_{8,110} + p_{8,190} + p_{8,254} + p_{8,193} \\ &+ p_{8,209} + p_{8,137} + p_{8,169} + p_{8,25} + p_{7,37} + p_{8,149} + p_{8,85} + p_{8,13} \\ &+ p_{7,77} + 2p_{7,109} + p_{8,125} + p_{8,131} + 3p_{8,163} + p_{8,227} + p_{8,11} + p_{8,75} \\ &+ p_{8,187} + p_{8,151} + p_{8,111} + p_{8,159} + p_{7,95}) \end{aligned}}$$

$$p_{9,337} = \frac{1}{2}p_{8,81} - \frac{1}{2}\sqrt{\begin{aligned} &p_{8,81}^2 - 4(p_{8,0} + p_{8,160} + p_{7,88} + p_{8,56} + p_{8,120} + p_{8,132} \\ &+ p_{8,68} + p_{8,100} + p_{8,20} + 2p_{8,84} + p_{7,12} + p_{8,44} + p_{8,124} + p_{8,162} \\ &+ p_{8,146} + p_{8,114} + 2p_{8,10} + p_{8,170} + p_{8,58} + p_{8,122} + p_{8,134} + 2p_{8,70} \\ &+ p_{8,198} + p_{8,118} + p_{8,142} + p_{8,78} + p_{8,110} + p_{8,190} + p_{8,254} + p_{8,193} \\ &+ p_{8,209} + p_{8,137} + p_{8,169} + p_{8,25} + p_{7,37} + p_{8,149} + p_{8,85} + p_{8,13} \\ &+ p_{7,77} + 2p_{7,109} + p_{8,125} + p_{8,131} + 3p_{8,163} + p_{8,227} + p_{8,11} + p_{8,75} \\ &+ p_{8,187} + p_{8,151} + p_{8,111} + p_{8,159} + p_{7,95}) \end{aligned}}$$

$$p_{9,209} = \frac{1}{2}p_{8,209} + \frac{1}{2}\sqrt{\begin{aligned} &p_{8,209}^2 - 4(p_{8,128} + p_{8,32} + p_{7,88} + p_{8,184} + p_{8,248} + p_{8,4} \\ &+ p_{8,196} + p_{8,228} + p_{8,148} + 2p_{8,212} + p_{7,12} + p_{8,172} + p_{8,252} \\ &+ p_{8,34} + p_{8,18} + p_{8,242} + 2p_{8,138} + p_{8,42} + p_{8,186} + p_{8,250} + p_{8,6} \\ &+ p_{8,70} + 2p_{8,198} + p_{8,246} + p_{8,14} + p_{8,206} + p_{8,238} + p_{8,62} + p_{8,126} \\ &+ p_{8,65} + p_{8,81} + p_{8,9} + p_{8,41} + p_{8,153} + p_{7,37} + p_{8,21} + p_{8,213} \\ &+ p_{8,141} + p_{7,77} + 2p_{7,109} + p_{8,253} + p_{8,3} + 3p_{8,35} + p_{8,99} + p_{8,139} \\ &+ p_{8,203} + p_{8,59} + p_{8,23} + p_{8,239} + p_{8,31} + p_{7,95}) \end{aligned}}$$

$$p_{9,465} = \frac{1}{2}p_{8,209} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,209}^2 - 4(p_{8,128} + p_{8,32} + p_{7,88} + p_{8,184} + p_{8,248} + p_{8,4}\\ &+ p_{8,196} + p_{8,228} + p_{8,148} + 2p_{8,212} + p_{7,12} + p_{8,172} + p_{8,252}\\ &+ p_{8,34} + p_{8,18} + p_{8,242} + 2p_{8,138} + p_{8,42} + p_{8,186} + p_{8,250} + p_{8,6}\\ &+ p_{8,70} + 2p_{8,198} + p_{8,246} + p_{8,14} + p_{8,206} + p_{8,238} + p_{8,62} + p_{8,126}\\ &+ p_{8,65} + p_{8,81} + p_{8,9} + p_{8,41} + p_{8,153} + p_{7,37} + p_{8,21} + p_{8,213}\\ &+ p_{8,141} + p_{7,77} + 2p_{7,109} + p_{8,253} + p_{8,3} + 3p_{8,35} + p_{8,99} + p_{8,139}\\ &+ p_{8,203} + p_{8,59} + p_{8,23} + p_{8,239} + p_{8,31} + p_{7,95})\end{aligned}}$$

$$p_{9,49} = \frac{1}{2}p_{8,49} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,49}^2 - 4(p_{8,128} + p_{8,224} + p_{8,24} + p_{8,88} + p_{7,56} + p_{8,68}\\ &+ p_{8,36} + p_{8,100} + 2p_{8,52} + p_{8,244} + p_{8,12} + p_{7,108} + p_{8,92} + p_{8,130}\\ &+ p_{8,82} + p_{8,114} + p_{8,138} + 2p_{8,234} + p_{8,26} + p_{8,90} + 2p_{8,38} + p_{8,166}\\ &+ p_{8,102} + p_{8,86} + p_{8,78} + p_{8,46} + p_{8,110} + p_{8,158} + p_{8,222} + p_{8,161}\\ &+ p_{8,177} + p_{8,137} + p_{8,105} + p_{8,249} + p_{7,5} + p_{8,53} + p_{8,117} + 2p_{7,77}\\ &+ p_{7,45} + p_{8,237} + p_{8,93} + 3p_{8,131} + p_{8,195} + p_{8,99} + p_{8,43} + p_{8,235}\\ &+ p_{8,155} + p_{8,119} + p_{8,79} + p_{7,63} + p_{8,127})\end{aligned}}$$

$$p_{9,305} = \frac{1}{2}p_{8,49} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,49}^2 - 4(p_{8,128} + p_{8,224} + p_{8,24} + p_{8,88} + p_{7,56} + p_{8,68}\\ &+ p_{8,36} + p_{8,100} + 2p_{8,52} + p_{8,244} + p_{8,12} + p_{7,108} + p_{8,92} + p_{8,130}\\ &+ p_{8,82} + p_{8,114} + p_{8,138} + 2p_{8,234} + p_{8,26} + p_{8,90} + 2p_{8,38} + p_{8,166}\\ &+ p_{8,102} + p_{8,86} + p_{8,78} + p_{8,46} + p_{8,110} + p_{8,158} + p_{8,222} + p_{8,161}\\ &+ p_{8,177} + p_{8,137} + p_{8,105} + p_{8,249} + p_{7,5} + p_{8,53} + p_{8,117} + 2p_{7,77}\\ &+ p_{7,45} + p_{8,237} + p_{8,93} + 3p_{8,131} + p_{8,195} + p_{8,99} + p_{8,43} + p_{8,235}\\ &+ p_{8,155} + p_{8,119} + p_{8,79} + p_{7,63} + p_{8,127})\end{aligned}}$$

$$p_{9,177} = \frac{1}{2}p_{8,177} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,177}^2 - 4(p_{8,0} + p_{8,96} + p_{8,152} + p_{8,216} + p_{7,56} + p_{8,196}\\ &+ p_{8,164} + p_{8,228} + 2p_{8,180} + p_{8,116} + p_{8,140} + p_{7,108} + p_{8,220} + p_{8,2}\\ &+ p_{8,210} + p_{8,242} + p_{8,10} + 2p_{8,106} + p_{8,154} + p_{8,218} + p_{8,38}\\ &+ 2p_{8,166} + p_{8,230} + p_{8,214} + p_{8,206} + p_{8,174} + p_{8,238} + p_{8,30} + p_{8,94}\\ &+ p_{8,33} + p_{8,49} + p_{8,9} + p_{8,233} + p_{8,121} + p_{7,5} + p_{8,181} + p_{8,245}\\ &+ 2p_{7,77} + p_{7,45} + p_{8,109} + p_{8,221} + 3p_{8,3} + p_{8,67} + p_{8,227} + p_{8,171}\\ &+ p_{8,107} + p_{8,27} + p_{8,247} + p_{8,207} + p_{7,63} + p_{8,255})\end{aligned}}$$

$$p_{9,433} = \frac{1}{2}p_{8,177} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,177}^2 - 4(p_{8,0} + p_{8,96} + p_{8,152} + p_{8,216} + p_{7,56} + p_{8,196}\\ &+ p_{8,164} + p_{8,228} + 2p_{8,180} + p_{8,116} + p_{8,140} + p_{7,108} + p_{8,220} + p_{8,2}\\ &+ p_{8,210} + p_{8,242} + p_{8,10} + 2p_{8,106} + p_{8,154} + p_{8,218} + p_{8,38}\\ &+ 2p_{8,166} + p_{8,230} + p_{8,214} + p_{8,206} + p_{8,174} + p_{8,238} + p_{8,30} + p_{8,94}\\ &+ p_{8,33} + p_{8,49} + p_{8,9} + p_{8,233} + p_{8,121} + p_{7,5} + p_{8,181} + p_{8,245}\\ &+ 2p_{7,77} + p_{7,45} + p_{8,109} + p_{8,221} + 3p_{8,3} + p_{8,67} + p_{8,227} + p_{8,171}\\ &+ p_{8,107} + p_{8,27} + p_{8,247} + p_{8,207} + p_{7,63} + p_{8,255})\end{aligned}}$$

$$p_{9,113} = \frac{1}{2}p_{8,113} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,113}^2 - 4(p_{8,192} + p_{8,32} + p_{8,152} + p_{8,88} + p_{7,120} + p_{8,132}\\ &+ p_{8,164} + p_{8,100} + p_{8,52} + 2p_{8,116} + p_{8,76} + p_{7,44} + p_{8,156} + p_{8,194}\\ &+ p_{8,146} + p_{8,178} + p_{8,202} + 2p_{8,42} + p_{8,154} + p_{8,90} + p_{8,166} + 2p_{8,102}\\ &+ p_{8,230} + p_{8,150} + p_{8,142} + p_{8,174} + p_{8,110} + p_{8,30} + p_{8,222} + p_{8,225}\\ &+ p_{8,241} + p_{8,201} + p_{8,169} + p_{8,57} + p_{7,69} + p_{8,181} + p_{8,117} + 2p_{7,13}\\ &+ p_{8,45} + p_{7,109} + p_{8,157} + p_{8,3} + 3p_{8,195} + p_{8,163} + p_{8,43} + p_{8,107}\\ &+ p_{8,219} + p_{8,183} + p_{8,143} + p_{8,191} + p_{7,127})\end{aligned}}$$

$$p_{9,369} = \frac{1}{2}p_{8,113} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,113}^2 - 4(p_{8,192} + p_{8,32} + p_{8,152} + p_{8,88} + p_{7,120} + p_{8,132}\\ &+ p_{8,164} + p_{8,100} + p_{8,52} + 2p_{8,116} + p_{8,76} + p_{7,44} + p_{8,156} + p_{8,194}\\ &+ p_{8,146} + p_{8,178} + p_{8,202} + 2p_{8,42} + p_{8,154} + p_{8,90} + p_{8,166} + 2p_{8,102}\\ &+ p_{8,230} + p_{8,150} + p_{8,142} + p_{8,174} + p_{8,110} + p_{8,30} + p_{8,222} + p_{8,225}\\ &+ p_{8,241} + p_{8,201} + p_{8,169} + p_{8,57} + p_{7,69} + p_{8,181} + p_{8,117} + 2p_{7,13}\\ &+ p_{8,45} + p_{7,109} + p_{8,157} + p_{8,3} + 3p_{8,195} + p_{8,163} + p_{8,43} + p_{8,107}\\ &+ p_{8,219} + p_{8,183} + p_{8,143} + p_{8,191} + p_{7,127})\end{aligned}}$$

$$p_{9,241} = \frac{1}{2}p_{8,241} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,241}^2 - 4(p_{8,64} + p_{8,160} + p_{8,24} + p_{8,216} + p_{7,120} + p_{8,4}\\ &+ p_{8,36} + p_{8,228} + p_{8,180} + 2p_{8,244} + p_{8,204} + p_{7,44} + p_{8,28} + p_{8,66}\\ &+ p_{8,18} + p_{8,50} + p_{8,74} + 2p_{8,170} + p_{8,26} + p_{8,218} + p_{8,38} + p_{8,102}\\ &+ 2p_{8,230} + p_{8,22} + p_{8,14} + p_{8,46} + p_{8,238} + p_{8,158} + p_{8,94} + p_{8,97}\\ &+ p_{8,113} + p_{8,73} + p_{8,41} + p_{8,185} + p_{7,69} + p_{8,53} + p_{8,245} + 2p_{7,13}\\ &+ p_{8,173} + p_{7,109} + p_{8,29} + p_{8,131} + 3p_{8,67} + p_{8,35} + p_{8,171} + p_{8,235}\\ &+ p_{8,91} + p_{8,55} + p_{8,15} + p_{8,63} + p_{7,127})\end{aligned}}$$

$$p_{9,497} = \frac{1}{2}p_{8,241} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,241}^2 - 4(p_{8,64} + p_{8,160} + p_{8,24} + p_{8,216} + p_{7,120} + p_{8,4}\\ &+ p_{8,36} + p_{8,228} + p_{8,180} + 2p_{8,244} + p_{8,204} + p_{7,44} + p_{8,28} + p_{8,66}\\ &+ p_{8,18} + p_{8,50} + p_{8,74} + 2p_{8,170} + p_{8,26} + p_{8,218} + p_{8,38} + p_{8,102}\\ &+ 2p_{8,230} + p_{8,22} + p_{8,14} + p_{8,46} + p_{8,238} + p_{8,158} + p_{8,94} + p_{8,97}\\ &+ p_{8,113} + p_{8,73} + p_{8,41} + p_{8,185} + p_{7,69} + p_{8,53} + p_{8,245} + 2p_{7,13}\\ &+ p_{8,173} + p_{7,109} + p_{8,29} + p_{8,131} + 3p_{8,67} + p_{8,35} + p_{8,171} + p_{8,235}\\ &+ p_{8,91} + p_{8,55} + p_{8,15} + p_{8,63} + p_{7,127})\end{aligned}}$$

$$p_{9,9} = \frac{1}{2}p_{8,9} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,9}^2 - 4(p_{7,16} + p_{8,48} + p_{8,240} + p_{8,88} + p_{8,184} + p_{7,68}\\ &+ p_{8,228} + p_{8,52} + 2p_{8,12} + p_{8,204} + p_{8,28} + p_{8,60} + p_{8,252}\\ &+ 2p_{8,194} + p_{8,98} + p_{8,50} + p_{8,242} + p_{8,74} + p_{8,42} + p_{8,90} + p_{8,6}\\ &+ p_{8,70} + p_{8,38} + p_{8,182} + p_{8,118} + p_{8,46} + p_{8,62} + p_{8,126} + 2p_{8,254}\\ &+ p_{8,65} + p_{8,97} + p_{8,209} + p_{8,137} + p_{8,121} + p_{7,5} + p_{8,197} + 2p_{7,37}\\ &+ p_{8,53} + p_{8,13} + p_{8,77} + p_{7,93} + p_{8,3} + p_{8,195} + p_{8,115} + p_{8,155}\\ &+ 3p_{8,91} + p_{8,59} + p_{8,39} + p_{7,23} + p_{8,87} + p_{8,79})\end{aligned}}$$

$$p_{9,265} = \frac{1}{2}p_{8,9} + \frac{1}{2}\sqrt{\begin{aligned} &p_{8,9}^2 - 4(p_{7,16} + p_{8,48} + p_{8,240} + p_{8,88} + p_{8,184} + p_{7,68} \\ &+ p_{8,228} + p_{8,52} + 2p_{8,12} + p_{8,204} + p_{8,28} + p_{8,60} + p_{8,252} \\ &+ 2p_{8,194} + p_{8,98} + p_{8,50} + p_{8,242} + p_{8,74} + p_{8,42} + p_{8,90} + p_{8,6} \\ &+ p_{8,70} + p_{8,38} + p_{8,182} + p_{8,118} + p_{8,46} + p_{8,62} + p_{8,126} + 2p_{8,254} \\ &+ p_{8,65} + p_{8,97} + p_{8,209} + p_{8,137} + p_{8,121} + p_{7,5} + p_{8,197} + 2p_{7,37} \\ &+ p_{8,53} + p_{8,13} + p_{8,77} + p_{7,93} + p_{8,3} + p_{8,195} + p_{8,115} + p_{8,155} \\ &+ 3p_{8,91} + p_{8,59} + p_{8,39} + p_{7,23} + p_{8,87} + p_{8,79}) \end{aligned}}$$

$$p_{9,137} = \frac{1}{2}p_{8,137} - \frac{1}{2}\sqrt{\begin{aligned} &p_{8,137}^2 - 4(p_{7,16} + p_{8,176} + p_{8,112} + p_{8,216} + p_{8,56} + p_{7,68} \\ &+ p_{8,100} + p_{8,180} + 2p_{8,140} + p_{8,76} + p_{8,156} + p_{8,188} + p_{8,124} + 2p_{8,66} \\ &+ p_{8,226} + p_{8,178} + p_{8,114} + p_{8,202} + p_{8,170} + p_{8,218} + p_{8,134} + p_{8,198} \\ &+ p_{8,166} + p_{8,54} + p_{8,246} + p_{8,174} + p_{8,190} + 2p_{8,126} + p_{8,254} + p_{8,193} \\ &+ p_{8,225} + p_{8,81} + p_{8,9} + p_{8,249} + p_{7,5} + p_{8,69} + 2p_{7,37} + p_{8,181} \\ &+ p_{8,141} + p_{8,205} + p_{7,93} + p_{8,131} + p_{8,67} + p_{8,243} + p_{8,27} + 3p_{8,219} \\ &+ p_{8,187} + p_{8,167} + p_{7,23} + p_{8,215} + p_{8,207}) \end{aligned}}$$

$$p_{9,393} = \frac{1}{2}p_{8,137} + \frac{1}{2}\sqrt{\begin{aligned} &p_{8,137}^2 - 4(p_{7,16} + p_{8,176} + p_{8,112} + p_{8,216} + p_{8,56} + p_{7,68} \\ &+ p_{8,100} + p_{8,180} + 2p_{8,140} + p_{8,76} + p_{8,156} + p_{8,188} + p_{8,124} + 2p_{8,66} \\ &+ p_{8,226} + p_{8,178} + p_{8,114} + p_{8,202} + p_{8,170} + p_{8,218} + p_{8,134} + p_{8,198} \\ &+ p_{8,166} + p_{8,54} + p_{8,246} + p_{8,174} + p_{8,190} + 2p_{8,126} + p_{8,254} + p_{8,193} \\ &+ p_{8,225} + p_{8,81} + p_{8,9} + p_{8,249} + p_{7,5} + p_{8,69} + 2p_{7,37} + p_{8,181} \\ &+ p_{8,141} + p_{8,205} + p_{7,93} + p_{8,131} + p_{8,67} + p_{8,243} + p_{8,27} + 3p_{8,219} \\ &+ p_{8,187} + p_{8,167} + p_{7,23} + p_{8,215} + p_{8,207}) \end{aligned}}$$

$$p_{9,73} = \frac{1}{2}p_{8,73} - \frac{1}{2}\sqrt{\begin{aligned} &p_{8,73}^2 - 4(p_{7,80} + p_{8,48} + p_{8,112} + p_{8,152} + p_{8,248} + p_{7,4} \\ &+ p_{8,36} + p_{8,116} + p_{8,12} + 2p_{8,76} + p_{8,92} + p_{8,60} + p_{8,124} + 2p_{8,2} \\ &+ p_{8,162} + p_{8,50} + p_{8,114} + p_{8,138} + p_{8,106} + p_{8,154} + p_{8,134} + p_{8,70} \\ &+ p_{8,102} + p_{8,182} + p_{8,246} + p_{8,110} + 2p_{8,62} + p_{8,190} + p_{8,126} \\ &+ p_{8,129} + p_{8,161} + p_{8,17} + p_{8,201} + p_{8,185} + p_{8,5} + p_{7,69} + 2p_{7,101} \\ &+ p_{8,117} + p_{8,141} + p_{8,77} + p_{7,29} + p_{8,3} + p_{8,67} + p_{8,179} + 3p_{8,155} \\ &+ p_{8,219} + p_{8,123} + p_{8,103} + p_{8,151} + p_{7,87} + p_{8,143}) \end{aligned}}$$

$$p_{9,329} = \frac{1}{2}p_{8,73} + \frac{1}{2}\sqrt{\begin{aligned} &p_{8,73}^2 - 4(p_{7,80} + p_{8,48} + p_{8,112} + p_{8,152} + p_{8,248} + p_{7,4} \\ &+ p_{8,36} + p_{8,116} + p_{8,12} + 2p_{8,76} + p_{8,92} + p_{8,60} + p_{8,124} + 2p_{8,2} \\ &+ p_{8,162} + p_{8,50} + p_{8,114} + p_{8,138} + p_{8,106} + p_{8,154} + p_{8,134} + p_{8,70} \\ &+ p_{8,102} + p_{8,182} + p_{8,246} + p_{8,110} + 2p_{8,62} + p_{8,190} + p_{8,126} \\ &+ p_{8,129} + p_{8,161} + p_{8,17} + p_{8,201} + p_{8,185} + p_{8,5} + p_{7,69} + 2p_{7,101} \\ &+ p_{8,117} + p_{8,141} + p_{8,77} + p_{7,29} + p_{8,3} + p_{8,67} + p_{8,179} + 3p_{8,155} \\ &+ p_{8,219} + p_{8,123} + p_{8,103} + p_{8,151} + p_{7,87} + p_{8,143}) \end{aligned}}$$

$$p_{9,201} = \frac{1}{2}p_{8,201} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,201}^2 - 4(p_{7,80} + p_{8,176} + p_{8,240} + p_{8,24} + p_{8,120} + p_{7,4}\\&+ p_{8,164} + p_{8,244} + p_{8,140} + 2p_{8,204} + p_{8,220} + p_{8,188} + p_{8,252}\\&+ 2p_{8,130} + p_{8,34} + p_{8,178} + p_{8,242} + p_{8,10} + p_{8,234} + p_{8,26} + p_{8,6}\\&+ p_{8,198} + p_{8,230} + p_{8,54} + p_{8,118} + p_{8,238} + p_{8,62} + 2p_{8,190} + p_{8,254}\\&+ p_{8,1} + p_{8,33} + p_{8,145} + p_{8,73} + p_{8,57} + p_{8,133} + p_{7,69} + 2p_{7,101}\\&+ p_{8,245} + p_{8,13} + p_{8,205} + p_{7,29} + p_{8,131} + p_{8,195} + p_{8,51} + 3p_{8,27}\\&+ p_{8,91} + p_{8,251} + p_{8,231} + p_{8,23} + p_{7,87} + p_{8,15})\end{aligned}}$$

$$p_{9,457} = \frac{1}{2}p_{8,201} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,201}^2 - 4(p_{7,80} + p_{8,176} + p_{8,240} + p_{8,24} + p_{8,120} + p_{7,4}\\&+ p_{8,164} + p_{8,244} + p_{8,140} + 2p_{8,204} + p_{8,220} + p_{8,188} + p_{8,252}\\&+ 2p_{8,130} + p_{8,34} + p_{8,178} + p_{8,242} + p_{8,10} + p_{8,234} + p_{8,26} + p_{8,6}\\&+ p_{8,198} + p_{8,230} + p_{8,54} + p_{8,118} + p_{8,238} + p_{8,62} + 2p_{8,190} + p_{8,254}\\&+ p_{8,1} + p_{8,33} + p_{8,145} + p_{8,73} + p_{8,57} + p_{8,133} + p_{7,69} + 2p_{7,101}\\&+ p_{8,245} + p_{8,13} + p_{8,205} + p_{7,29} + p_{8,131} + p_{8,195} + p_{8,51} + 3p_{8,27}\\&+ p_{8,91} + p_{8,251} + p_{8,231} + p_{8,23} + p_{7,87} + p_{8,15})\end{aligned}}$$

$$p_{9,41} = \frac{1}{2}p_{8,41} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,41}^2 - 4(p_{8,16} + p_{8,80} + p_{7,48} + p_{8,216} + p_{8,120} + p_{8,4}\\&+ p_{7,100} + p_{8,84} + 2p_{8,44} + p_{8,236} + p_{8,28} + p_{8,92} + p_{8,60} + p_{8,130}\\&+ 2p_{8,226} + p_{8,18} + p_{8,82} + p_{8,74} + p_{8,106} + p_{8,122} + p_{8,70} + p_{8,38}\\&+ p_{8,102} + p_{8,150} + p_{8,214} + p_{8,78} + 2p_{8,30} + p_{8,158} + p_{8,94} + p_{8,129}\\&+ p_{8,97} + p_{8,241} + p_{8,169} + p_{8,153} + 2p_{7,69} + p_{7,37} + p_{8,229} + p_{8,85}\\&+ p_{8,45} + p_{8,109} + p_{7,125} + p_{8,35} + p_{8,227} + p_{8,147} + p_{8,91} + p_{8,187}\\&+ 3p_{8,123} + p_{8,71} + p_{7,55} + p_{8,119} + p_{8,111})\end{aligned}}$$

$$p_{9,297} = \frac{1}{2}p_{8,41} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,41}^2 - 4(p_{8,16} + p_{8,80} + p_{7,48} + p_{8,216} + p_{8,120} + p_{8,4}\\&+ p_{7,100} + p_{8,84} + 2p_{8,44} + p_{8,236} + p_{8,28} + p_{8,92} + p_{8,60} + p_{8,130}\\&+ 2p_{8,226} + p_{8,18} + p_{8,82} + p_{8,74} + p_{8,106} + p_{8,122} + p_{8,70} + p_{8,38}\\&+ p_{8,102} + p_{8,150} + p_{8,214} + p_{8,78} + 2p_{8,30} + p_{8,158} + p_{8,94} + p_{8,129}\\&+ p_{8,97} + p_{8,241} + p_{8,169} + p_{8,153} + 2p_{7,69} + p_{7,37} + p_{8,229} + p_{8,85}\\&+ p_{8,45} + p_{8,109} + p_{7,125} + p_{8,35} + p_{8,227} + p_{8,147} + p_{8,91} + p_{8,187}\\&+ 3p_{8,123} + p_{8,71} + p_{7,55} + p_{8,119} + p_{8,111})\end{aligned}}$$

$$p_{9,169} = \frac{1}{2}p_{8,169} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,169}^2 - 4(p_{8,144} + p_{8,208} + p_{7,48} + p_{8,88} + p_{8,248} + p_{8,132}\\&+ p_{7,100} + p_{8,212} + 2p_{8,172} + p_{8,108} + p_{8,156} + p_{8,220} + p_{8,188} + p_{8,2}\\&+ 2p_{8,98} + p_{8,146} + p_{8,210} + p_{8,202} + p_{8,234} + p_{8,250} + p_{8,198} + p_{8,166}\\&+ p_{8,230} + p_{8,22} + p_{8,86} + p_{8,206} + p_{8,30} + 2p_{8,158} + p_{8,222} + p_{8,1}\\&+ p_{8,225} + p_{8,113} + p_{8,41} + p_{8,25} + 2p_{7,69} + p_{7,37} + p_{8,101} + p_{8,213}\\&+ p_{8,173} + p_{8,237} + p_{7,125} + p_{8,163} + p_{8,99} + p_{8,19} + p_{8,219} + p_{8,59}\\&+ 3p_{8,251} + p_{8,199} + p_{7,55} + p_{8,247} + p_{8,239})\end{aligned}}$$

$$p_{9,425} = \frac{1}{2}p_{8,169} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,169}^2 - 4(p_{8,144} + p_{8,208} + p_{7,48} + p_{8,88} + p_{8,248} + p_{8,132}\\&+ p_{7,100} + p_{8,212} + 2p_{8,172} + p_{8,108} + p_{8,156} + p_{8,220} + p_{8,188} + p_{8,2}\\&+ 2p_{8,98} + p_{8,146} + p_{8,210} + p_{8,202} + p_{8,234} + p_{8,250} + p_{8,198} + p_{8,166}\\&+ p_{8,230} + p_{8,22} + p_{8,86} + p_{8,206} + p_{8,30} + 2p_{8,158} + p_{8,222} + p_{8,1}\\&+ p_{8,225} + p_{8,113} + p_{8,41} + p_{8,25} + 2p_{7,69} + p_{7,37} + p_{8,101} + p_{8,213}\\&+ p_{8,173} + p_{8,237} + p_{7,125} + p_{8,163} + p_{8,99} + p_{8,19} + p_{8,219} + p_{8,59}\\&+ 3p_{8,251} + p_{8,199} + p_{7,55} + p_{8,247} + p_{8,239})\end{aligned}}$$

$$p_{9,105} = \frac{1}{2}p_{8,105} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,105}^2 - 4(p_{8,144} + p_{8,80} + p_{7,112} + p_{8,24} + p_{8,184} + p_{8,68}\\&+ p_{7,36} + p_{8,148} + p_{8,44} + 2p_{8,108} + p_{8,156} + p_{8,92} + p_{8,124} + p_{8,194}\\&+ 2p_{8,34} + p_{8,146} + p_{8,82} + p_{8,138} + p_{8,170} + p_{8,186} + p_{8,134} + p_{8,166}\\&+ p_{8,102} + p_{8,22} + p_{8,214} + p_{8,142} + p_{8,158} + 2p_{8,94} + p_{8,222} + p_{8,193}\\&+ p_{8,161} + p_{8,49} + p_{8,233} + p_{8,217} + 2p_{7,5} + p_{8,37} + p_{7,101} + p_{8,149}\\&+ p_{8,173} + p_{8,109} + p_{7,61} + p_{8,35} + p_{8,99} + p_{8,211} + p_{8,155} + 3p_{8,187}\\&+ p_{8,251} + p_{8,135} + p_{8,183} + p_{7,119} + p_{8,175})\end{aligned}}$$

$$p_{9,361} = \frac{1}{2}p_{8,105} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,105}^2 - 4(p_{8,144} + p_{8,80} + p_{7,112} + p_{8,24} + p_{8,184} + p_{8,68}\\&+ p_{7,36} + p_{8,148} + p_{8,44} + 2p_{8,108} + p_{8,156} + p_{8,92} + p_{8,124} + p_{8,194}\\&+ 2p_{8,34} + p_{8,146} + p_{8,82} + p_{8,138} + p_{8,170} + p_{8,186} + p_{8,134} + p_{8,166}\\&+ p_{8,102} + p_{8,22} + p_{8,214} + p_{8,142} + p_{8,158} + 2p_{8,94} + p_{8,222} + p_{8,193}\\&+ p_{8,161} + p_{8,49} + p_{8,233} + p_{8,217} + 2p_{7,5} + p_{8,37} + p_{7,101} + p_{8,149}\\&+ p_{8,173} + p_{8,109} + p_{7,61} + p_{8,35} + p_{8,99} + p_{8,211} + p_{8,155} + 3p_{8,187}\\&+ p_{8,251} + p_{8,135} + p_{8,183} + p_{7,119} + p_{8,175})\end{aligned}}$$

$$p_{9,233} = \frac{1}{2}p_{8,233} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,233}^2 - 4(p_{8,16} + p_{8,208} + p_{7,112} + p_{8,152} + p_{8,56} + p_{8,196}\\&+ p_{7,36} + p_{8,20} + p_{8,172} + 2p_{8,236} + p_{8,28} + p_{8,220} + p_{8,252} + p_{8,66}\\&+ 2p_{8,162} + p_{8,18} + p_{8,210} + p_{8,10} + p_{8,42} + p_{8,58} + p_{8,6} + p_{8,38}\\&+ p_{8,230} + p_{8,150} + p_{8,86} + p_{8,14} + p_{8,30} + p_{8,94} + 2p_{8,222} + p_{8,65}\\&+ p_{8,33} + p_{8,177} + p_{8,105} + p_{8,89} + 2p_{7,5} + p_{8,165} + p_{7,101} + p_{8,21}\\&+ p_{8,45} + p_{8,237} + p_{7,61} + p_{8,163} + p_{8,227} + p_{8,83} + p_{8,27} + 3p_{8,59}\\&+ p_{8,123} + p_{8,7} + p_{8,55} + p_{7,119} + p_{8,47})\end{aligned}}$$

$$p_{9,489} = \frac{1}{2}p_{8,233} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,233}^2 - 4(p_{8,16} + p_{8,208} + p_{7,112} + p_{8,152} + p_{8,56} + p_{8,196}\\&+ p_{7,36} + p_{8,20} + p_{8,172} + 2p_{8,236} + p_{8,28} + p_{8,220} + p_{8,252} + p_{8,66}\\&+ 2p_{8,162} + p_{8,18} + p_{8,210} + p_{8,10} + p_{8,42} + p_{8,58} + p_{8,6} + p_{8,38}\\&+ p_{8,230} + p_{8,150} + p_{8,86} + p_{8,14} + p_{8,30} + p_{8,94} + 2p_{8,222} + p_{8,65}\\&+ p_{8,33} + p_{8,177} + p_{8,105} + p_{8,89} + 2p_{7,5} + p_{8,165} + p_{7,101} + p_{8,21}\\&+ p_{8,45} + p_{8,237} + p_{7,61} + p_{8,163} + p_{8,227} + p_{8,83} + p_{8,27} + 3p_{8,59}\\&+ p_{8,123} + p_{8,7} + p_{8,55} + p_{7,119} + p_{8,47})\end{aligned}}$$

$$p_{9,25} = \frac{1}{2}p_{8,25} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,25}^2 - 4(p_{8,0} + p_{8,64} + p_{7,32} + p_{8,200} + p_{8,104} + p_{8,68}\\ &+ p_{7,84} + p_{8,244} + p_{8,12} + p_{8,76} + p_{8,44} + 2p_{8,28} + p_{8,220} + p_{8,2}\\ &+ p_{8,66} + 2p_{8,210} + p_{8,114} + p_{8,106} + p_{8,90} + p_{8,58} + p_{8,134} + p_{8,198}\\ &+ p_{8,22} + p_{8,86} + p_{8,54} + 2p_{8,14} + p_{8,142} + p_{8,78} + p_{8,62} + p_{8,225}\\ &+ p_{8,81} + p_{8,113} + p_{8,137} + p_{8,153} + p_{8,69} + p_{7,21} + p_{8,213} + 2p_{7,53}\\ &+ p_{7,109} + p_{8,29} + p_{8,93} + p_{8,131} + p_{8,19} + p_{8,211} + p_{8,75} + p_{8,171}\\ &+ 3p_{8,107} + p_{7,39} + p_{8,103} + p_{8,55} + p_{8,95})\end{aligned}}$$

$$p_{9,281} = \frac{1}{2}p_{8,25} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,25}^2 - 4(p_{8,0} + p_{8,64} + p_{7,32} + p_{8,200} + p_{8,104} + p_{8,68}\\ &+ p_{7,84} + p_{8,244} + p_{8,12} + p_{8,76} + p_{8,44} + 2p_{8,28} + p_{8,220} + p_{8,2}\\ &+ p_{8,66} + 2p_{8,210} + p_{8,114} + p_{8,106} + p_{8,90} + p_{8,58} + p_{8,134} + p_{8,198}\\ &+ p_{8,22} + p_{8,86} + p_{8,54} + 2p_{8,14} + p_{8,142} + p_{8,78} + p_{8,62} + p_{8,225}\\ &+ p_{8,81} + p_{8,113} + p_{8,137} + p_{8,153} + p_{8,69} + p_{7,21} + p_{8,213} + 2p_{7,53}\\ &+ p_{7,109} + p_{8,29} + p_{8,93} + p_{8,131} + p_{8,19} + p_{8,211} + p_{8,75} + p_{8,171}\\ &+ 3p_{8,107} + p_{7,39} + p_{8,103} + p_{8,55} + p_{8,95})\end{aligned}}$$

$$p_{9,153} = \frac{1}{2}p_{8,153} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,153}^2 - 4(p_{8,128} + p_{8,192} + p_{7,32} + p_{8,72} + p_{8,232} + p_{8,196}\\ &+ p_{7,84} + p_{8,116} + p_{8,140} + p_{8,204} + p_{8,172} + 2p_{8,156} + p_{8,92} + p_{8,130}\\ &+ p_{8,194} + 2p_{8,82} + p_{8,242} + p_{8,234} + p_{8,218} + p_{8,186} + p_{8,6} + p_{8,70}\\ &+ p_{8,150} + p_{8,214} + p_{8,182} + p_{8,14} + 2p_{8,142} + p_{8,206} + p_{8,190} + p_{8,97}\\ &+ p_{8,209} + p_{8,241} + p_{8,9} + p_{8,25} + p_{8,197} + p_{7,21} + p_{8,85} + 2p_{7,53}\\ &+ p_{7,109} + p_{8,157} + p_{8,221} + p_{8,3} + p_{8,147} + p_{8,83} + p_{8,203} + p_{8,43}\\ &+ 3p_{8,235} + p_{7,39} + p_{8,231} + p_{8,183} + p_{8,223})\end{aligned}}$$

$$p_{9,409} = \frac{1}{2}p_{8,153} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,153}^2 - 4(p_{8,128} + p_{8,192} + p_{7,32} + p_{8,72} + p_{8,232} + p_{8,196}\\ &+ p_{7,84} + p_{8,116} + p_{8,140} + p_{8,204} + p_{8,172} + 2p_{8,156} + p_{8,92} + p_{8,130}\\ &+ p_{8,194} + 2p_{8,82} + p_{8,242} + p_{8,234} + p_{8,218} + p_{8,186} + p_{8,6} + p_{8,70}\\ &+ p_{8,150} + p_{8,214} + p_{8,182} + p_{8,14} + 2p_{8,142} + p_{8,206} + p_{8,190} + p_{8,97}\\ &+ p_{8,209} + p_{8,241} + p_{8,9} + p_{8,25} + p_{8,197} + p_{7,21} + p_{8,85} + 2p_{7,53}\\ &+ p_{7,109} + p_{8,157} + p_{8,221} + p_{8,3} + p_{8,147} + p_{8,83} + p_{8,203} + p_{8,43}\\ &+ 3p_{8,235} + p_{7,39} + p_{8,231} + p_{8,183} + p_{8,223})\end{aligned}}$$

$$p_{9,89} = \frac{1}{2}p_{8,89} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,89}^2 - 4(p_{8,128} + p_{8,64} + p_{7,96} + p_{8,8} + p_{8,168} + p_{8,132}\\ &+ p_{7,20} + p_{8,52} + p_{8,140} + p_{8,76} + p_{8,108} + p_{8,28} + 2p_{8,92} + p_{8,130}\\ &+ p_{8,66} + 2p_{8,18} + p_{8,178} + p_{8,170} + p_{8,154} + p_{8,122} + p_{8,6} + p_{8,198}\\ &+ p_{8,150} + p_{8,86} + p_{8,118} + p_{8,142} + 2p_{8,78} + p_{8,206} + p_{8,126} + p_{8,33}\\ &+ p_{8,145} + p_{8,177} + p_{8,201} + p_{8,217} + p_{8,133} + p_{8,21} + p_{7,85} + 2p_{7,117}\\ &+ p_{7,45} + p_{8,157} + p_{8,93} + p_{8,195} + p_{8,19} + p_{8,83} + p_{8,139} + 3p_{8,171}\\ &+ p_{8,235} + p_{8,167} + p_{7,103} + p_{8,119} + p_{8,159})\end{aligned}}$$

$$p_{9,345} = \frac{1}{2}p_{8,89} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,89}^2 - 4(p_{8,128} + p_{8,64} + p_{7,96} + p_{8,8} + p_{8,168} + p_{8,132}\\&+ p_{7,20} + p_{8,52} + p_{8,140} + p_{8,76} + p_{8,108} + p_{8,28} + 2p_{8,92} + p_{8,130}\\&+ p_{8,66} + 2p_{8,18} + p_{8,178} + p_{8,170} + p_{8,154} + p_{8,122} + p_{8,6} + p_{8,198}\\&+ p_{8,150} + p_{8,86} + p_{8,118} + p_{8,142} + 2p_{8,78} + p_{8,206} + p_{8,126} + p_{8,33}\\&+ p_{8,145} + p_{8,177} + p_{8,201} + p_{8,217} + p_{8,133} + p_{8,21} + p_{7,85} + 2p_{7,117}\\&+ p_{7,45} + p_{8,157} + p_{8,93} + p_{8,195} + p_{8,19} + p_{8,83} + p_{8,139} + 3p_{8,171}\\&+ p_{8,235} + p_{8,167} + p_{7,103} + p_{8,119} + p_{8,159})\end{aligned}}$$

$$p_{9,217} = \frac{1}{2}p_{8,217} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,217}^2 - 4(p_{8,0} + p_{8,192} + p_{7,96} + p_{8,136} + p_{8,40} + p_{8,4}\\&+ p_{7,20} + p_{8,180} + p_{8,12} + p_{8,204} + p_{8,236} + p_{8,156} + 2p_{8,220} + p_{8,2}\\&+ p_{8,194} + 2p_{8,146} + p_{8,50} + p_{8,42} + p_{8,26} + p_{8,250} + p_{8,134} + p_{8,70}\\&+ p_{8,22} + p_{8,214} + p_{8,246} + p_{8,14} + p_{8,78} + 2p_{8,206} + p_{8,254} + p_{8,161}\\&+ p_{8,17} + p_{8,49} + p_{8,73} + p_{8,89} + p_{8,5} + p_{8,149} + p_{7,85} + 2p_{7,117}\\&+ p_{7,45} + p_{8,29} + p_{8,221} + p_{8,67} + p_{8,147} + p_{8,211} + p_{8,11} + 3p_{8,43}\\&+ p_{8,107} + p_{8,39} + p_{7,103} + p_{8,247} + p_{8,31})\end{aligned}}$$

$$p_{9,473} = \frac{1}{2}p_{8,217} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,217}^2 - 4(p_{8,0} + p_{8,192} + p_{7,96} + p_{8,136} + p_{8,40} + p_{8,4}\\&+ p_{7,20} + p_{8,180} + p_{8,12} + p_{8,204} + p_{8,236} + p_{8,156} + 2p_{8,220} + p_{8,2}\\&+ p_{8,194} + 2p_{8,146} + p_{8,50} + p_{8,42} + p_{8,26} + p_{8,250} + p_{8,134} + p_{8,70}\\&+ p_{8,22} + p_{8,214} + p_{8,246} + p_{8,14} + p_{8,78} + 2p_{8,206} + p_{8,254} + p_{8,161}\\&+ p_{8,17} + p_{8,49} + p_{8,73} + p_{8,89} + p_{8,5} + p_{8,149} + p_{7,85} + 2p_{7,117}\\&+ p_{7,45} + p_{8,29} + p_{8,221} + p_{8,67} + p_{8,147} + p_{8,211} + p_{8,11} + 3p_{8,43}\\&+ p_{8,107} + p_{8,39} + p_{7,103} + p_{8,247} + p_{8,31})\end{aligned}}$$

$$p_{9,57} = \frac{1}{2}p_{8,57} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,57}^2 - 4(p_{7,64} + p_{8,32} + p_{8,96} + p_{8,136} + p_{8,232} + p_{8,100}\\&+ p_{8,20} + p_{7,116} + p_{8,76} + p_{8,44} + p_{8,108} + 2p_{8,60} + p_{8,252} + p_{8,34}\\&+ p_{8,98} + p_{8,146} + 2p_{8,242} + p_{8,138} + p_{8,90} + p_{8,122} + p_{8,166} + p_{8,230}\\&+ p_{8,86} + p_{8,54} + p_{8,118} + 2p_{8,46} + p_{8,174} + p_{8,110} + p_{8,94} + p_{8,1}\\&+ p_{8,145} + p_{8,113} + p_{8,169} + p_{8,185} + p_{8,101} + 2p_{7,85} + p_{7,53} + p_{8,245}\\&+ p_{7,13} + p_{8,61} + p_{8,125} + p_{8,163} + p_{8,51} + p_{8,243} + 3p_{8,139} + p_{8,203}\\&+ p_{8,107} + p_{8,135} + p_{7,71} + p_{8,87} + p_{8,127})\end{aligned}}$$

$$p_{9,313} = \frac{1}{2}p_{8,57} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,57}^2 - 4(p_{7,64} + p_{8,32} + p_{8,96} + p_{8,136} + p_{8,232} + p_{8,100}\\&+ p_{8,20} + p_{7,116} + p_{8,76} + p_{8,44} + p_{8,108} + 2p_{8,60} + p_{8,252} + p_{8,34}\\&+ p_{8,98} + p_{8,146} + 2p_{8,242} + p_{8,138} + p_{8,90} + p_{8,122} + p_{8,166} + p_{8,230}\\&+ p_{8,86} + p_{8,54} + p_{8,118} + 2p_{8,46} + p_{8,174} + p_{8,110} + p_{8,94} + p_{8,1}\\&+ p_{8,145} + p_{8,113} + p_{8,169} + p_{8,185} + p_{8,101} + 2p_{7,85} + p_{7,53} + p_{8,245}\\&+ p_{7,13} + p_{8,61} + p_{8,125} + p_{8,163} + p_{8,51} + p_{8,243} + 3p_{8,139} + p_{8,203}\\&+ p_{8,107} + p_{8,135} + p_{7,71} + p_{8,87} + p_{8,127})\end{aligned}}$$

$$p_{9,185} = \frac{1}{2}p_{8,185} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,185}^2 - 4(p_{7,64} + p_{8,160} + p_{8,224} + p_{8,8} + p_{8,104} + p_{8,228}\\ &+ p_{8,148} + p_{7,116} + p_{8,204} + p_{8,172} + p_{8,236} + 2p_{8,188} + p_{8,124}\\ &+ p_{8,162} + p_{8,226} + p_{8,18} + 2p_{8,114} + p_{8,10} + p_{8,218} + p_{8,250} + p_{8,38}\\ &+ p_{8,102} + p_{8,214} + p_{8,182} + p_{8,246} + p_{8,46} + 2p_{8,174} + p_{8,238} + p_{8,222}\\ &+ p_{8,129} + p_{8,17} + p_{8,241} + p_{8,41} + p_{8,57} + p_{8,229} + 2p_{7,85} + p_{7,53}\\ &+ p_{8,117} + p_{7,13} + p_{8,189} + p_{8,253} + p_{8,35} + p_{8,179} + p_{8,115} + 3p_{8,11}\\ &+ p_{8,75} + p_{8,235} + p_{8,7} + p_{7,71} + p_{8,215} + p_{8,255})\end{aligned}}$$

$$p_{9,441} = \frac{1}{2}p_{8,185} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,185}^2 - 4(p_{7,64} + p_{8,160} + p_{8,224} + p_{8,8} + p_{8,104} + p_{8,228}\\ &+ p_{8,148} + p_{7,116} + p_{8,204} + p_{8,172} + p_{8,236} + 2p_{8,188} + p_{8,124}\\ &+ p_{8,162} + p_{8,226} + p_{8,18} + 2p_{8,114} + p_{8,10} + p_{8,218} + p_{8,250} + p_{8,38}\\ &+ p_{8,102} + p_{8,214} + p_{8,182} + p_{8,246} + p_{8,46} + 2p_{8,174} + p_{8,238} + p_{8,222}\\ &+ p_{8,129} + p_{8,17} + p_{8,241} + p_{8,41} + p_{8,57} + p_{8,229} + 2p_{7,85} + p_{7,53}\\ &+ p_{8,117} + p_{7,13} + p_{8,189} + p_{8,253} + p_{8,35} + p_{8,179} + p_{8,115} + 3p_{8,11}\\ &+ p_{8,75} + p_{8,235} + p_{8,7} + p_{7,71} + p_{8,215} + p_{8,255})\end{aligned}}$$

$$p_{9,121} = \frac{1}{2}p_{8,121} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,121}^2 - 4(p_{7,0} + p_{8,160} + p_{8,96} + p_{8,200} + p_{8,40} + p_{8,164}\\ &+ p_{8,84} + p_{7,52} + p_{8,140} + p_{8,172} + p_{8,108} + p_{8,60} + 2p_{8,124} + p_{8,162}\\ &+ p_{8,98} + p_{8,210} + 2p_{8,50} + p_{8,202} + p_{8,154} + p_{8,186} + p_{8,38} + p_{8,230}\\ &+ p_{8,150} + p_{8,182} + p_{8,118} + p_{8,174} + 2p_{8,110} + p_{8,238} + p_{8,158} + p_{8,65}\\ &+ p_{8,209} + p_{8,177} + p_{8,233} + p_{8,249} + p_{8,165} + 2p_{7,21} + p_{8,53} + p_{7,117}\\ &+ p_{7,77} + p_{8,189} + p_{8,125} + p_{8,227} + p_{8,51} + p_{8,115} + p_{8,11} + 3p_{8,203}\\ &+ p_{8,171} + p_{7,7} + p_{8,199} + p_{8,151} + p_{8,191})\end{aligned}}$$

$$p_{9,377} = \frac{1}{2}p_{8,121} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,121}^2 - 4(p_{7,0} + p_{8,160} + p_{8,96} + p_{8,200} + p_{8,40} + p_{8,164}\\ &+ p_{8,84} + p_{7,52} + p_{8,140} + p_{8,172} + p_{8,108} + p_{8,60} + 2p_{8,124} + p_{8,162}\\ &+ p_{8,98} + p_{8,210} + 2p_{8,50} + p_{8,202} + p_{8,154} + p_{8,186} + p_{8,38} + p_{8,230}\\ &+ p_{8,150} + p_{8,182} + p_{8,118} + p_{8,174} + 2p_{8,110} + p_{8,238} + p_{8,158} + p_{8,65}\\ &+ p_{8,209} + p_{8,177} + p_{8,233} + p_{8,249} + p_{8,165} + 2p_{7,21} + p_{8,53} + p_{7,117}\\ &+ p_{7,77} + p_{8,189} + p_{8,125} + p_{8,227} + p_{8,51} + p_{8,115} + p_{8,11} + 3p_{8,203}\\ &+ p_{8,171} + p_{7,7} + p_{8,199} + p_{8,151} + p_{8,191})\end{aligned}}$$

$$p_{9,249} = \frac{1}{2}p_{8,249} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,249}^2 - 4(p_{7,0} + p_{8,32} + p_{8,224} + p_{8,72} + p_{8,168} + p_{8,36}\\ &+ p_{8,212} + p_{7,52} + p_{8,12} + p_{8,44} + p_{8,236} + p_{8,188} + 2p_{8,252} + p_{8,34}\\ &+ p_{8,226} + p_{8,82} + 2p_{8,178} + p_{8,74} + p_{8,26} + p_{8,58} + p_{8,166} + p_{8,102}\\ &+ p_{8,22} + p_{8,54} + p_{8,246} + p_{8,46} + p_{8,110} + 2p_{8,238} + p_{8,30} + p_{8,193}\\ &+ p_{8,81} + p_{8,49} + p_{8,105} + p_{8,121} + p_{8,37} + 2p_{7,21} + p_{8,181} + p_{7,117}\\ &+ p_{7,77} + p_{8,61} + p_{8,253} + p_{8,99} + p_{8,179} + p_{8,243} + p_{8,139} + 3p_{8,75}\\ &+ p_{8,43} + p_{7,7} + p_{8,71} + p_{8,23} + p_{8,63})\end{aligned}}$$

$$p_{9,505} = \frac{1}{2}p_{8,249} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,249}^2 - 4(p_{7,0} + p_{8,32} + p_{8,224} + p_{8,72} + p_{8,168} + p_{8,36}\\&+ p_{8,212} + p_{7,52} + p_{8,12} + p_{8,44} + p_{8,236} + p_{8,188} + 2p_{8,252} + p_{8,34}\\&+ p_{8,226} + p_{8,82} + 2p_{8,178} + p_{8,74} + p_{8,26} + p_{8,58} + p_{8,166} + p_{8,102}\\&+ p_{8,22} + p_{8,54} + p_{8,246} + p_{8,46} + p_{8,110} + 2p_{8,238} + p_{8,30} + p_{8,193}\\&+ p_{8,81} + p_{8,49} + p_{8,105} + p_{8,121} + p_{8,37} + 2p_{7,21} + p_{8,181} + p_{7,117}\\&+ p_{7,77} + p_{8,61} + p_{8,253} + p_{8,99} + p_{8,179} + p_{8,243} + p_{8,139} + 3p_{8,75}\\&+ p_{8,43} + p_{7,7} + p_{8,71} + p_{8,23} + p_{8,63})\end{aligned}}$$

$$p_{9,5} = \frac{1}{2}p_{8,5} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,5}^2 - 4(p_{7,64} + p_{8,224} + p_{8,48} + 2p_{8,8} + p_{8,200} + p_{8,24}\\&+ p_{8,56} + p_{8,248} + p_{8,84} + p_{8,180} + p_{7,12} + p_{8,44} + p_{8,236} + p_{8,2}\\&+ p_{8,66} + p_{8,34} + p_{8,178} + p_{8,114} + p_{8,42} + p_{8,58} + p_{8,122} + 2p_{8,250}\\&+ p_{8,70} + p_{8,38} + p_{8,86} + p_{8,46} + p_{8,238} + p_{8,94} + 2p_{8,190} + p_{7,1}\\&+ p_{8,193} + 2p_{7,33} + p_{8,49} + p_{8,9} + p_{8,73} + p_{7,89} + p_{8,133} + p_{8,117}\\&+ p_{8,205} + p_{8,93} + p_{8,61} + p_{8,35} + p_{7,19} + p_{8,83} + p_{8,75} + p_{8,151}\\&+ 3p_{8,87} + p_{8,55} + p_{8,111} + p_{8,191} + p_{8,255})\end{aligned}}$$

$$p_{9,261} = \frac{1}{2}p_{8,5} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,5}^2 - 4(p_{7,64} + p_{8,224} + p_{8,48} + 2p_{8,8} + p_{8,200} + p_{8,24}\\&+ p_{8,56} + p_{8,248} + p_{8,84} + p_{8,180} + p_{7,12} + p_{8,44} + p_{8,236} + p_{8,2}\\&+ p_{8,66} + p_{8,34} + p_{8,178} + p_{8,114} + p_{8,42} + p_{8,58} + p_{8,122} + 2p_{8,250}\\&+ p_{8,70} + p_{8,38} + p_{8,86} + p_{8,46} + p_{8,238} + p_{8,94} + 2p_{8,190} + p_{7,1}\\&+ p_{8,193} + 2p_{7,33} + p_{8,49} + p_{8,9} + p_{8,73} + p_{7,89} + p_{8,133} + p_{8,117}\\&+ p_{8,205} + p_{8,93} + p_{8,61} + p_{8,35} + p_{7,19} + p_{8,83} + p_{8,75} + p_{8,151}\\&+ 3p_{8,87} + p_{8,55} + p_{8,111} + p_{8,191} + p_{8,255})\end{aligned}}$$

$$p_{9,133} = \frac{1}{2}p_{8,133} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,133}^2 - 4(p_{7,64} + p_{8,96} + p_{8,176} + 2p_{8,136} + p_{8,72} + p_{8,152}\\&+ p_{8,184} + p_{8,120} + p_{8,212} + p_{8,52} + p_{7,12} + p_{8,172} + p_{8,108} + p_{8,130}\\&+ p_{8,194} + p_{8,162} + p_{8,50} + p_{8,242} + p_{8,170} + p_{8,186} + 2p_{8,122} + p_{8,250}\\&+ p_{8,198} + p_{8,166} + p_{8,214} + p_{8,174} + p_{8,110} + p_{8,222} + 2p_{8,62} + p_{7,1}\\&+ p_{8,65} + 2p_{7,33} + p_{8,177} + p_{8,137} + p_{8,201} + p_{7,89} + p_{8,5} + p_{8,245}\\&+ p_{8,77} + p_{8,221} + p_{8,189} + p_{8,163} + p_{7,19} + p_{8,211} + p_{8,203} + p_{8,23}\\&+ 3p_{8,215} + p_{8,183} + p_{8,239} + p_{8,63} + p_{8,127})\end{aligned}}$$

$$p_{9,389} = \frac{1}{2}p_{8,133} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,133}^2 - 4(p_{7,64} + p_{8,96} + p_{8,176} + 2p_{8,136} + p_{8,72} + p_{8,152}\\&+ p_{8,184} + p_{8,120} + p_{8,212} + p_{8,52} + p_{7,12} + p_{8,172} + p_{8,108} + p_{8,130}\\&+ p_{8,194} + p_{8,162} + p_{8,50} + p_{8,242} + p_{8,170} + p_{8,186} + 2p_{8,122} + p_{8,250}\\&+ p_{8,198} + p_{8,166} + p_{8,214} + p_{8,174} + p_{8,110} + p_{8,222} + 2p_{8,62} + p_{7,1}\\&+ p_{8,65} + 2p_{7,33} + p_{8,177} + p_{8,137} + p_{8,201} + p_{7,89} + p_{8,5} + p_{8,245}\\&+ p_{8,77} + p_{8,221} + p_{8,189} + p_{8,163} + p_{7,19} + p_{8,211} + p_{8,203} + p_{8,23}\\&+ 3p_{8,215} + p_{8,183} + p_{8,239} + p_{8,63} + p_{8,127})\end{aligned}}$$

$$p_{9,69} = \frac{1}{2}p_{8,69} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,69}^2 - 4(p_{7,0} + p_{8,32} + p_{8,112} + p_{8,8} + 2p_{8,72} + p_{8,88} + p_{8,56}\\ &+ p_{8,120} + p_{8,148} + p_{8,244} + p_{7,76} + p_{8,44} + p_{8,108} + p_{8,130} + p_{8,66}\\ &+ p_{8,98} + p_{8,178} + p_{8,242} + p_{8,106} + 2p_{8,58} + p_{8,186} + p_{8,122} + p_{8,134}\\ &+ p_{8,102} + p_{8,150} + p_{8,46} + p_{8,110} + p_{8,158} + 2p_{8,254} + p_{8,1} + p_{7,65}\\ &+ 2p_{7,97} + p_{8,113} + p_{8,137} + p_{8,73} + p_{7,25} + p_{8,197} + p_{8,181} + p_{8,13}\\ &+ p_{8,157} + p_{8,125} + p_{8,99} + p_{8,147} + p_{7,83} + p_{8,139} + 3p_{8,151} + p_{8,215}\\ &+ p_{8,119} + p_{8,175} + p_{8,63} + p_{8,255})\end{aligned}}$$

$$p_{9,325} = \frac{1}{2}p_{8,69} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,69}^2 - 4(p_{7,0} + p_{8,32} + p_{8,112} + p_{8,8} + 2p_{8,72} + p_{8,88} + p_{8,56}\\ &+ p_{8,120} + p_{8,148} + p_{8,244} + p_{7,76} + p_{8,44} + p_{8,108} + p_{8,130} + p_{8,66}\\ &+ p_{8,98} + p_{8,178} + p_{8,242} + p_{8,106} + 2p_{8,58} + p_{8,186} + p_{8,122} + p_{8,134}\\ &+ p_{8,102} + p_{8,150} + p_{8,46} + p_{8,110} + p_{8,158} + 2p_{8,254} + p_{8,1} + p_{7,65}\\ &+ 2p_{7,97} + p_{8,113} + p_{8,137} + p_{8,73} + p_{7,25} + p_{8,197} + p_{8,181} + p_{8,13}\\ &+ p_{8,157} + p_{8,125} + p_{8,99} + p_{8,147} + p_{7,83} + p_{8,139} + 3p_{8,151} + p_{8,215}\\ &+ p_{8,119} + p_{8,175} + p_{8,63} + p_{8,255})\end{aligned}}$$

$$p_{9,197} = \frac{1}{2}p_{8,197} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,197}^2 - 4(p_{7,0} + p_{8,160} + p_{8,240} + p_{8,136} + 2p_{8,200} + p_{8,216}\\ &+ p_{8,184} + p_{8,248} + p_{8,20} + p_{8,116} + p_{7,76} + p_{8,172} + p_{8,236} + p_{8,2}\\ &+ p_{8,194} + p_{8,226} + p_{8,50} + p_{8,114} + p_{8,234} + p_{8,58} + 2p_{8,186} + p_{8,250}\\ &+ p_{8,6} + p_{8,230} + p_{8,22} + p_{8,174} + p_{8,238} + p_{8,30} + 2p_{8,126} + p_{8,129}\\ &+ p_{7,65} + 2p_{7,97} + p_{8,241} + p_{8,9} + p_{8,201} + p_{7,25} + p_{8,69} + p_{8,53}\\ &+ p_{8,141} + p_{8,29} + p_{8,253} + p_{8,227} + p_{8,19} + p_{7,83} + p_{8,11} + 3p_{8,23}\\ &+ p_{8,87} + p_{8,247} + p_{8,47} + p_{8,191} + p_{8,127})\end{aligned}}$$

$$p_{9,453} = \frac{1}{2}p_{8,197} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,197}^2 - 4(p_{7,0} + p_{8,160} + p_{8,240} + p_{8,136} + 2p_{8,200} + p_{8,216}\\ &+ p_{8,184} + p_{8,248} + p_{8,20} + p_{8,116} + p_{7,76} + p_{8,172} + p_{8,236} + p_{8,2}\\ &+ p_{8,194} + p_{8,226} + p_{8,50} + p_{8,114} + p_{8,234} + p_{8,58} + 2p_{8,186} + p_{8,250}\\ &+ p_{8,6} + p_{8,230} + p_{8,22} + p_{8,174} + p_{8,238} + p_{8,30} + 2p_{8,126} + p_{8,129}\\ &+ p_{7,65} + 2p_{7,97} + p_{8,241} + p_{8,9} + p_{8,201} + p_{7,25} + p_{8,69} + p_{8,53}\\ &+ p_{8,141} + p_{8,29} + p_{8,253} + p_{8,227} + p_{8,19} + p_{7,83} + p_{8,11} + 3p_{8,23}\\ &+ p_{8,87} + p_{8,247} + p_{8,47} + p_{8,191} + p_{8,127})\end{aligned}}$$

$$p_{9,37} = \frac{1}{2}p_{8,37} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,37}^2 - 4(p_{8,0} + p_{7,96} + p_{8,80} + 2p_{8,40} + p_{8,232} + p_{8,24}\\ &+ p_{8,88} + p_{8,56} + p_{8,212} + p_{8,116} + p_{8,12} + p_{8,76} + p_{7,44} + p_{8,66}\\ &+ p_{8,34} + p_{8,98} + p_{8,146} + p_{8,210} + p_{8,74} + 2p_{8,26} + p_{8,154} + p_{8,90}\\ &+ p_{8,70} + p_{8,102} + p_{8,118} + p_{8,14} + p_{8,78} + 2p_{8,222} + p_{8,126} + 2p_{7,65}\\ &+ p_{7,33} + p_{8,225} + p_{8,81} + p_{8,41} + p_{8,105} + p_{7,121} + p_{8,165} + p_{8,149}\\ &+ p_{8,237} + p_{8,93} + p_{8,125} + p_{8,67} + p_{7,51} + p_{8,115} + p_{8,107} + p_{8,87}\\ &+ p_{8,183} + 3p_{8,119} + p_{8,143} + p_{8,31} + p_{8,223})\end{aligned}}$$

$$p_{9,293} = \frac{1}{2}p_{8,37} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,37}^2 - 4(p_{8,0} + p_{7,96} + p_{8,80} + 2p_{8,40} + p_{8,232} + p_{8,24}\\ &+ p_{8,88} + p_{8,56} + p_{8,212} + p_{8,116} + p_{8,12} + p_{8,76} + p_{7,44} + p_{8,66}\\ &+ p_{8,34} + p_{8,98} + p_{8,146} + p_{8,210} + p_{8,74} + 2p_{8,26} + p_{8,154} + p_{8,90}\\ &+ p_{8,70} + p_{8,102} + p_{8,118} + p_{8,14} + p_{8,78} + 2p_{8,222} + p_{8,126} + 2p_{7,65}\\ &+ p_{7,33} + p_{8,225} + p_{8,81} + p_{8,41} + p_{8,105} + p_{7,121} + p_{8,165} + p_{8,149}\\ &+ p_{8,237} + p_{8,93} + p_{8,125} + p_{8,67} + p_{7,51} + p_{8,115} + p_{8,107} + p_{8,87}\\ &+ p_{8,183} + 3p_{8,119} + p_{8,143} + p_{8,31} + p_{8,223})\end{aligned}}$$

$$p_{9,165} = \frac{1}{2}p_{8,165} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,165}^2 - 4(p_{8,128} + p_{7,96} + p_{8,208} + 2p_{8,168} + p_{8,104} + p_{8,152}\\ &+ p_{8,216} + p_{8,184} + p_{8,84} + p_{8,244} + p_{8,140} + p_{8,204} + p_{7,44} + p_{8,194}\\ &+ p_{8,162} + p_{8,226} + p_{8,18} + p_{8,82} + p_{8,202} + p_{8,26} + 2p_{8,154} + p_{8,218}\\ &+ p_{8,198} + p_{8,230} + p_{8,246} + p_{8,142} + p_{8,206} + 2p_{8,94} + p_{8,254} + 2p_{7,65}\\ &+ p_{7,33} + p_{8,97} + p_{8,209} + p_{8,169} + p_{8,233} + p_{7,121} + p_{8,37} + p_{8,21}\\ &+ p_{8,109} + p_{8,221} + p_{8,253} + p_{8,195} + p_{7,51} + p_{8,243} + p_{8,235} + p_{8,215}\\ &+ p_{8,55} + 3p_{8,247} + p_{8,15} + p_{8,159} + p_{8,95})\end{aligned}}$$

$$p_{9,421} = \frac{1}{2}p_{8,165} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,165}^2 - 4(p_{8,128} + p_{7,96} + p_{8,208} + 2p_{8,168} + p_{8,104} + p_{8,152}\\ &+ p_{8,216} + p_{8,184} + p_{8,84} + p_{8,244} + p_{8,140} + p_{8,204} + p_{7,44} + p_{8,194}\\ &+ p_{8,162} + p_{8,226} + p_{8,18} + p_{8,82} + p_{8,202} + p_{8,26} + 2p_{8,154} + p_{8,218}\\ &+ p_{8,198} + p_{8,230} + p_{8,246} + p_{8,142} + p_{8,206} + 2p_{8,94} + p_{8,254} + 2p_{7,65}\\ &+ p_{7,33} + p_{8,97} + p_{8,209} + p_{8,169} + p_{8,233} + p_{7,121} + p_{8,37} + p_{8,21}\\ &+ p_{8,109} + p_{8,221} + p_{8,253} + p_{8,195} + p_{7,51} + p_{8,243} + p_{8,235} + p_{8,215}\\ &+ p_{8,55} + 3p_{8,247} + p_{8,15} + p_{8,159} + p_{8,95})\end{aligned}}$$

$$p_{9,101} = \frac{1}{2}p_{8,101} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,101}^2 - 4(p_{8,64} + p_{7,32} + p_{8,144} + p_{8,40} + 2p_{8,104} + p_{8,152}\\ &+ p_{8,88} + p_{8,120} + p_{8,20} + p_{8,180} + p_{8,140} + p_{8,76} + p_{7,108} + p_{8,130}\\ &+ p_{8,162} + p_{8,98} + p_{8,18} + p_{8,210} + p_{8,138} + p_{8,154} + 2p_{8,90} + p_{8,218}\\ &+ p_{8,134} + p_{8,166} + p_{8,182} + p_{8,142} + p_{8,78} + 2p_{8,30} + p_{8,190} + 2p_{7,1}\\ &+ p_{8,33} + p_{7,97} + p_{8,145} + p_{8,169} + p_{8,105} + p_{7,57} + p_{8,229} + p_{8,213}\\ &+ p_{8,45} + p_{8,157} + p_{8,189} + p_{8,131} + p_{8,179} + p_{7,115} + p_{8,171} + p_{8,151}\\ &+ 3p_{8,183} + p_{8,247} + p_{8,207} + p_{8,31} + p_{8,95})\end{aligned}}$$

$$p_{9,357} = \frac{1}{2}p_{8,101} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,101}^2 - 4(p_{8,64} + p_{7,32} + p_{8,144} + p_{8,40} + 2p_{8,104} + p_{8,152}\\ &+ p_{8,88} + p_{8,120} + p_{8,20} + p_{8,180} + p_{8,140} + p_{8,76} + p_{7,108} + p_{8,130}\\ &+ p_{8,162} + p_{8,98} + p_{8,18} + p_{8,210} + p_{8,138} + p_{8,154} + 2p_{8,90} + p_{8,218}\\ &+ p_{8,134} + p_{8,166} + p_{8,182} + p_{8,142} + p_{8,78} + 2p_{8,30} + p_{8,190} + 2p_{7,1}\\ &+ p_{8,33} + p_{7,97} + p_{8,145} + p_{8,169} + p_{8,105} + p_{7,57} + p_{8,229} + p_{8,213}\\ &+ p_{8,45} + p_{8,157} + p_{8,189} + p_{8,131} + p_{8,179} + p_{7,115} + p_{8,171} + p_{8,151}\\ &+ 3p_{8,183} + p_{8,247} + p_{8,207} + p_{8,31} + p_{8,95})\end{aligned}}$$

$$p_{9,229} = \frac{1}{2}p_{8,229} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,229}^2 - 4(p_{8,192} + p_{7,32} + p_{8,16} + p_{8,168} + 2p_{8,232} + p_{8,24}\\&+ p_{8,216} + p_{8,248} + p_{8,148} + p_{8,52} + p_{8,12} + p_{8,204} + p_{7,108} + p_{8,2}\\&+ p_{8,34} + p_{8,226} + p_{8,146} + p_{8,82} + p_{8,10} + p_{8,26} + p_{8,90} + 2p_{8,218}\\&+ p_{8,6} + p_{8,38} + p_{8,54} + p_{8,14} + p_{8,206} + 2p_{8,158} + p_{8,62} + 2p_{7,1}\\&+ p_{8,161} + p_{7,97} + p_{8,17} + p_{8,41} + p_{8,233} + p_{7,57} + p_{8,101} + p_{8,85}\\&+ p_{8,173} + p_{8,29} + p_{8,61} + p_{8,3} + p_{8,51} + p_{7,115} + p_{8,43} + p_{8,23}\\&+ 3p_{8,55} + p_{8,119} + p_{8,79} + p_{8,159} + p_{8,223})\end{aligned}}$$

$$p_{9,485} = \frac{1}{2}p_{8,229} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,229}^2 - 4(p_{8,192} + p_{7,32} + p_{8,16} + p_{8,168} + 2p_{8,232} + p_{8,24}\\&+ p_{8,216} + p_{8,248} + p_{8,148} + p_{8,52} + p_{8,12} + p_{8,204} + p_{7,108} + p_{8,2}\\&+ p_{8,34} + p_{8,226} + p_{8,146} + p_{8,82} + p_{8,10} + p_{8,26} + p_{8,90} + 2p_{8,218}\\&+ p_{8,6} + p_{8,38} + p_{8,54} + p_{8,14} + p_{8,206} + 2p_{8,158} + p_{8,62} + 2p_{7,1}\\&+ p_{8,161} + p_{7,97} + p_{8,17} + p_{8,41} + p_{8,233} + p_{7,57} + p_{8,101} + p_{8,85}\\&+ p_{8,173} + p_{8,29} + p_{8,61} + p_{8,3} + p_{8,51} + p_{7,115} + p_{8,43} + p_{8,23}\\&+ 3p_{8,55} + p_{8,119} + p_{8,79} + p_{8,159} + p_{8,223})\end{aligned}}$$

$$p_{9,21} = \frac{1}{2}p_{8,21} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,21}^2 - 4(p_{8,64} + p_{7,80} + p_{8,240} + p_{8,8} + p_{8,72} + p_{8,40}\\&+ 2p_{8,24} + p_{8,216} + p_{8,196} + p_{8,100} + p_{7,28} + p_{8,60} + p_{8,252} + p_{8,130}\\&+ p_{8,194} + p_{8,18} + p_{8,82} + p_{8,50} + 2p_{8,10} + p_{8,138} + p_{8,74} + p_{8,58}\\&+ p_{8,102} + p_{8,86} + p_{8,54} + 2p_{8,206} + p_{8,110} + p_{8,62} + p_{8,254} + p_{8,65}\\&+ p_{7,17} + p_{8,209} + 2p_{7,49} + p_{7,105} + p_{8,25} + p_{8,89} + p_{8,133} + p_{8,149}\\&+ p_{8,77} + p_{8,109} + p_{8,221} + p_{7,35} + p_{8,99} + p_{8,51} + p_{8,91} + p_{8,71}\\&+ p_{8,167} + 3p_{8,103} + p_{8,15} + p_{8,207} + p_{8,127})\end{aligned}}$$

$$p_{9,277} = \frac{1}{2}p_{8,21} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,21}^2 - 4(p_{8,64} + p_{7,80} + p_{8,240} + p_{8,8} + p_{8,72} + p_{8,40}\\&+ 2p_{8,24} + p_{8,216} + p_{8,196} + p_{8,100} + p_{7,28} + p_{8,60} + p_{8,252} + p_{8,130}\\&+ p_{8,194} + p_{8,18} + p_{8,82} + p_{8,50} + 2p_{8,10} + p_{8,138} + p_{8,74} + p_{8,58}\\&+ p_{8,102} + p_{8,86} + p_{8,54} + 2p_{8,206} + p_{8,110} + p_{8,62} + p_{8,254} + p_{8,65}\\&+ p_{7,17} + p_{8,209} + 2p_{7,49} + p_{7,105} + p_{8,25} + p_{8,89} + p_{8,133} + p_{8,149}\\&+ p_{8,77} + p_{8,109} + p_{8,221} + p_{7,35} + p_{8,99} + p_{8,51} + p_{8,91} + p_{8,71}\\&+ p_{8,167} + 3p_{8,103} + p_{8,15} + p_{8,207} + p_{8,127})\end{aligned}}$$

$$p_{9,149} = \frac{1}{2}p_{8,149} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,149}^2 - 4(p_{8,192} + p_{7,80} + p_{8,112} + p_{8,136} + p_{8,200} + p_{8,168}\\&+ 2p_{8,152} + p_{8,88} + p_{8,68} + p_{8,228} + p_{7,28} + p_{8,188} + p_{8,124} + p_{8,2}\\&+ p_{8,66} + p_{8,146} + p_{8,210} + p_{8,178} + p_{8,10} + 2p_{8,138} + p_{8,202} + p_{8,186}\\&+ p_{8,230} + p_{8,214} + p_{8,182} + 2p_{8,78} + p_{8,238} + p_{8,190} + p_{8,126} + p_{8,193}\\&+ p_{7,17} + p_{8,81} + 2p_{7,49} + p_{7,105} + p_{8,153} + p_{8,217} + p_{8,5} + p_{8,21}\\&+ p_{8,205} + p_{8,237} + p_{8,93} + p_{7,35} + p_{8,227} + p_{8,179} + p_{8,219} + p_{8,199}\\&+ p_{8,39} + 3p_{8,231} + p_{8,143} + p_{8,79} + p_{8,255})\end{aligned}}$$

$$p_{9,405} = \frac{1}{2}p_{8,149} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,149}^2 - 4(p_{8,192} + p_{7,80} + p_{8,112} + p_{8,136} + p_{8,200} + p_{8,168}\\&+ 2p_{8,152} + p_{8,88} + p_{8,68} + p_{8,228} + p_{7,28} + p_{8,188} + p_{8,124} + p_{8,2}\\&+ p_{8,66} + p_{8,146} + p_{8,210} + p_{8,178} + p_{8,10} + 2p_{8,138} + p_{8,202} + p_{8,186}\\&+ p_{8,230} + p_{8,214} + p_{8,182} + 2p_{8,78} + p_{8,238} + p_{8,190} + p_{8,126} + p_{8,193}\\&+ p_{7,17} + p_{8,81} + 2p_{7,49} + p_{7,105} + p_{8,153} + p_{8,217} + p_{8,5} + p_{8,21}\\&+ p_{8,205} + p_{8,237} + p_{8,93} + p_{7,35} + p_{8,227} + p_{8,179} + p_{8,219} + p_{8,199}\\&+ p_{8,39} + 3p_{8,231} + p_{8,143} + p_{8,79} + p_{8,255})\end{aligned}}$$

$$p_{9,85} = \frac{1}{2}p_{8,85} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,85}^2 - 4(p_{8,128} + p_{7,16} + p_{8,48} + p_{8,136} + p_{8,72} + p_{8,104}\\&+ p_{8,24} + 2p_{8,88} + p_{8,4} + p_{8,164} + p_{7,92} + p_{8,60} + p_{8,124} + p_{8,2}\\&+ p_{8,194} + p_{8,146} + p_{8,82} + p_{8,114} + p_{8,138} + 2p_{8,74} + p_{8,202} + p_{8,122}\\&+ p_{8,166} + p_{8,150} + p_{8,118} + 2p_{8,14} + p_{8,174} + p_{8,62} + p_{8,126} + p_{8,129}\\&+ p_{8,17} + p_{7,81} + 2p_{7,113} + p_{7,41} + p_{8,153} + p_{8,89} + p_{8,197} + p_{8,213}\\&+ p_{8,141} + p_{8,173} + p_{8,29} + p_{8,163} + p_{7,99} + p_{8,115} + p_{8,155} + p_{8,135}\\&+ 3p_{8,167} + p_{8,231} + p_{8,15} + p_{8,79} + p_{8,191})\end{aligned}}$$

$$p_{9,341} = \frac{1}{2}p_{8,85} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,85}^2 - 4(p_{8,128} + p_{7,16} + p_{8,48} + p_{8,136} + p_{8,72} + p_{8,104}\\&+ p_{8,24} + 2p_{8,88} + p_{8,4} + p_{8,164} + p_{7,92} + p_{8,60} + p_{8,124} + p_{8,2}\\&+ p_{8,194} + p_{8,146} + p_{8,82} + p_{8,114} + p_{8,138} + 2p_{8,74} + p_{8,202} + p_{8,122}\\&+ p_{8,166} + p_{8,150} + p_{8,118} + 2p_{8,14} + p_{8,174} + p_{8,62} + p_{8,126} + p_{8,129}\\&+ p_{8,17} + p_{7,81} + 2p_{7,113} + p_{7,41} + p_{8,153} + p_{8,89} + p_{8,197} + p_{8,213}\\&+ p_{8,141} + p_{8,173} + p_{8,29} + p_{8,163} + p_{7,99} + p_{8,115} + p_{8,155} + p_{8,135}\\&+ 3p_{8,167} + p_{8,231} + p_{8,15} + p_{8,79} + p_{8,191})\end{aligned}}$$

$$p_{9,213} = \frac{1}{2}p_{8,213} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,213}^2 - 4(p_{8,0} + p_{7,16} + p_{8,176} + p_{8,8} + p_{8,200} + p_{8,232}\\&+ p_{8,152} + 2p_{8,216} + p_{8,132} + p_{8,36} + p_{7,92} + p_{8,188} + p_{8,252}\\&+ p_{8,130} + p_{8,66} + p_{8,18} + p_{8,210} + p_{8,242} + p_{8,10} + p_{8,74} + 2p_{8,202}\\&+ p_{8,250} + p_{8,38} + p_{8,22} + p_{8,246} + 2p_{8,142} + p_{8,46} + p_{8,190} + p_{8,254}\\&+ p_{8,1} + p_{8,145} + p_{7,81} + 2p_{7,113} + p_{7,41} + p_{8,25} + p_{8,217} + p_{8,69}\\&+ p_{8,85} + p_{8,13} + p_{8,45} + p_{8,157} + p_{8,35} + p_{7,99} + p_{8,243} + p_{8,27}\\&+ p_{8,7} + 3p_{8,39} + p_{8,103} + p_{8,143} + p_{8,207} + p_{8,63})\end{aligned}}$$

$$p_{9,469} = \frac{1}{2}p_{8,213} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,213}^2 - 4(p_{8,0} + p_{7,16} + p_{8,176} + p_{8,8} + p_{8,200} + p_{8,232}\\&+ p_{8,152} + 2p_{8,216} + p_{8,132} + p_{8,36} + p_{7,92} + p_{8,188} + p_{8,252}\\&+ p_{8,130} + p_{8,66} + p_{8,18} + p_{8,210} + p_{8,242} + p_{8,10} + p_{8,74} + 2p_{8,202}\\&+ p_{8,250} + p_{8,38} + p_{8,22} + p_{8,246} + 2p_{8,142} + p_{8,46} + p_{8,190} + p_{8,254}\\&+ p_{8,1} + p_{8,145} + p_{7,81} + 2p_{7,113} + p_{7,41} + p_{8,25} + p_{8,217} + p_{8,69}\\&+ p_{8,85} + p_{8,13} + p_{8,45} + p_{8,157} + p_{8,35} + p_{7,99} + p_{8,243} + p_{8,27}\\&+ p_{8,7} + 3p_{8,39} + p_{8,103} + p_{8,143} + p_{8,207} + p_{8,63})\end{aligned}}$$

$$p_{9,53} = \frac{1}{2}p_{8,53} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,53}^2 - 4(p_{8,96} + p_{8,16} + p_{7,112} + p_{8,72} + p_{8,40} + p_{8,104}\\&+ 2p_{8,56} + p_{8,248} + p_{8,132} + p_{8,228} + p_{8,28} + p_{8,92} + p_{7,60} + p_{8,162}\\&+ p_{8,226} + p_{8,82} + p_{8,50} + p_{8,114} + 2p_{8,42} + p_{8,170} + p_{8,106} + p_{8,90}\\&+ p_{8,134} + p_{8,86} + p_{8,118} + p_{8,142} + 2p_{8,238} + p_{8,30} + p_{8,94} + p_{8,97}\\&+ 2p_{7,81} + p_{7,49} + p_{8,241} + p_{7,9} + p_{8,57} + p_{8,121} + p_{8,165} + p_{8,181}\\&+ p_{8,141} + p_{8,109} + p_{8,253} + p_{8,131} + p_{7,67} + p_{8,83} + p_{8,123} + 3p_{8,135}\\&+ p_{8,199} + p_{8,103} + p_{8,47} + p_{8,239} + p_{8,159})\end{aligned}}$$

$$p_{9,309} = \frac{1}{2}p_{8,53} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,53}^2 - 4(p_{8,96} + p_{8,16} + p_{7,112} + p_{8,72} + p_{8,40} + p_{8,104}\\&+ 2p_{8,56} + p_{8,248} + p_{8,132} + p_{8,228} + p_{8,28} + p_{8,92} + p_{7,60} + p_{8,162}\\&+ p_{8,226} + p_{8,82} + p_{8,50} + p_{8,114} + 2p_{8,42} + p_{8,170} + p_{8,106} + p_{8,90}\\&+ p_{8,134} + p_{8,86} + p_{8,118} + p_{8,142} + 2p_{8,238} + p_{8,30} + p_{8,94} + p_{8,97}\\&+ 2p_{7,81} + p_{7,49} + p_{8,241} + p_{7,9} + p_{8,57} + p_{8,121} + p_{8,165} + p_{8,181}\\&+ p_{8,141} + p_{8,109} + p_{8,253} + p_{8,131} + p_{7,67} + p_{8,83} + p_{8,123} + 3p_{8,135}\\&+ p_{8,199} + p_{8,103} + p_{8,47} + p_{8,239} + p_{8,159})\end{aligned}}$$

$$p_{9,181} = \frac{1}{2}p_{8,181} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,181}^2 - 4(p_{8,224} + p_{8,144} + p_{7,112} + p_{8,200} + p_{8,168} + p_{8,232}\\&+ 2p_{8,184} + p_{8,120} + p_{8,4} + p_{8,100} + p_{8,156} + p_{8,220} + p_{7,60} + p_{8,34}\\&+ p_{8,98} + p_{8,210} + p_{8,178} + p_{8,242} + p_{8,42} + 2p_{8,170} + p_{8,234} + p_{8,218}\\&+ p_{8,6} + p_{8,214} + p_{8,246} + p_{8,14} + 2p_{8,110} + p_{8,158} + p_{8,222} + p_{8,225}\\&+ 2p_{7,81} + p_{7,49} + p_{8,113} + p_{7,9} + p_{8,185} + p_{8,249} + p_{8,37} + p_{8,53}\\&+ p_{8,13} + p_{8,237} + p_{8,125} + p_{8,3} + p_{7,67} + p_{8,211} + p_{8,251} + 3p_{8,7}\\&+ p_{8,71} + p_{8,231} + p_{8,175} + p_{8,111} + p_{8,31})\end{aligned}}$$

$$p_{9,437} = \frac{1}{2}p_{8,181} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,181}^2 - 4(p_{8,224} + p_{8,144} + p_{7,112} + p_{8,200} + p_{8,168} + p_{8,232}\\&+ 2p_{8,184} + p_{8,120} + p_{8,4} + p_{8,100} + p_{8,156} + p_{8,220} + p_{7,60} + p_{8,34}\\&+ p_{8,98} + p_{8,210} + p_{8,178} + p_{8,242} + p_{8,42} + 2p_{8,170} + p_{8,234} + p_{8,218}\\&+ p_{8,6} + p_{8,214} + p_{8,246} + p_{8,14} + 2p_{8,110} + p_{8,158} + p_{8,222} + p_{8,225}\\&+ 2p_{7,81} + p_{7,49} + p_{8,113} + p_{7,9} + p_{8,185} + p_{8,249} + p_{8,37} + p_{8,53}\\&+ p_{8,13} + p_{8,237} + p_{8,125} + p_{8,3} + p_{7,67} + p_{8,211} + p_{8,251} + 3p_{8,7}\\&+ p_{8,71} + p_{8,231} + p_{8,175} + p_{8,111} + p_{8,31})\end{aligned}}$$

$$p_{9,117} = \frac{1}{2}p_{8,117} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,117}^2 - 4(p_{8,160} + p_{8,80} + p_{7,48} + p_{8,136} + p_{8,168} + p_{8,104}\\&+ p_{8,56} + 2p_{8,120} + p_{8,196} + p_{8,36} + p_{8,156} + p_{8,92} + p_{7,124} + p_{8,34}\\&+ p_{8,226} + p_{8,146} + p_{8,178} + p_{8,114} + p_{8,170} + 2p_{8,106} + p_{8,234}\\&+ p_{8,154} + p_{8,198} + p_{8,150} + p_{8,182} + p_{8,206} + 2p_{8,46} + p_{8,158} + p_{8,94}\\&+ p_{8,161} + 2p_{7,17} + p_{8,49} + p_{7,113} + p_{7,73} + p_{8,185} + p_{8,121} + p_{8,229}\\&+ p_{8,245} + p_{8,205} + p_{8,173} + p_{8,61} + p_{7,3} + p_{8,195} + p_{8,147} + p_{8,187}\\&+ p_{8,7} + 3p_{8,199} + p_{8,167} + p_{8,47} + p_{8,111} + p_{8,223})\end{aligned}}$$

$$p_{9,373} = \frac{1}{2}p_{8,117} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,117}^2 - 4(p_{8,160} + p_{8,80} + p_{7,48} + p_{8,136} + p_{8,168} + p_{8,104}\\&+ p_{8,56} + 2p_{8,120} + p_{8,196} + p_{8,36} + p_{8,156} + p_{8,92} + p_{7,124} + p_{8,34}\\&+ p_{8,226} + p_{8,146} + p_{8,178} + p_{8,114} + p_{8,170} + 2p_{8,106} + p_{8,234}\\&+ p_{8,154} + p_{8,198} + p_{8,150} + p_{8,182} + p_{8,206} + 2p_{8,46} + p_{8,158} + p_{8,94}\\&+ p_{8,161} + 2p_{7,17} + p_{8,49} + p_{7,113} + p_{7,73} + p_{8,185} + p_{8,121} + p_{8,229}\\&+ p_{8,245} + p_{8,205} + p_{8,173} + p_{8,61} + p_{7,3} + p_{8,195} + p_{8,147} + p_{8,187}\\&+ p_{8,7} + 3p_{8,199} + p_{8,167} + p_{8,47} + p_{8,111} + p_{8,223})\end{aligned}}$$

$$p_{9,245} = \frac{1}{2}p_{8,245} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,245}^2 - 4(p_{8,32} + p_{8,208} + p_{7,48} + p_{8,8} + p_{8,40} + p_{8,232}\\&+ p_{8,184} + 2p_{8,248} + p_{8,68} + p_{8,164} + p_{8,28} + p_{8,220} + p_{7,124}\\&+ p_{8,162} + p_{8,98} + p_{8,18} + p_{8,50} + p_{8,242} + p_{8,42} + p_{8,106} + 2p_{8,234}\\&+ p_{8,26} + p_{8,70} + p_{8,22} + p_{8,54} + p_{8,78} + 2p_{8,174} + p_{8,30} + p_{8,222}\\&+ p_{8,33} + 2p_{7,17} + p_{8,177} + p_{7,113} + p_{7,73} + p_{8,57} + p_{8,249} + p_{8,101}\\&+ p_{8,117} + p_{8,77} + p_{8,45} + p_{8,189} + p_{7,3} + p_{8,67} + p_{8,19} + p_{8,59}\\&+ p_{8,135} + 3p_{8,71} + p_{8,39} + p_{8,175} + p_{8,239} + p_{8,95})\end{aligned}}$$

$$p_{9,501} = \frac{1}{2}p_{8,245} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,245}^2 - 4(p_{8,32} + p_{8,208} + p_{7,48} + p_{8,8} + p_{8,40} + p_{8,232}\\&+ p_{8,184} + 2p_{8,248} + p_{8,68} + p_{8,164} + p_{8,28} + p_{8,220} + p_{7,124}\\&+ p_{8,162} + p_{8,98} + p_{8,18} + p_{8,50} + p_{8,242} + p_{8,42} + p_{8,106} + 2p_{8,234}\\&+ p_{8,26} + p_{8,70} + p_{8,22} + p_{8,54} + p_{8,78} + 2p_{8,174} + p_{8,30} + p_{8,222}\\&+ p_{8,33} + 2p_{7,17} + p_{8,177} + p_{7,113} + p_{7,73} + p_{8,57} + p_{8,249} + p_{8,101}\\&+ p_{8,117} + p_{8,77} + p_{8,45} + p_{8,189} + p_{7,3} + p_{8,67} + p_{8,19} + p_{8,59}\\&+ p_{8,135} + 3p_{8,71} + p_{8,39} + p_{8,175} + p_{8,239} + p_{8,95})\end{aligned}}$$

$$p_{9,13} = \frac{1}{2}p_{8,13} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,13}^2 - 4(p_{8,0} + p_{8,64} + p_{8,32} + 2p_{8,16} + p_{8,208} + p_{7,72}\\&+ p_{8,232} + p_{8,56} + p_{7,20} + p_{8,52} + p_{8,244} + p_{8,92} + p_{8,188} + 2p_{8,2}\\&+ p_{8,130} + p_{8,66} + p_{8,50} + p_{8,10} + p_{8,74} + p_{8,42} + p_{8,186} + p_{8,122}\\&+ 2p_{8,198} + p_{8,102} + p_{8,54} + p_{8,246} + p_{8,78} + p_{8,46} + p_{8,94} + p_{7,97}\\&+ p_{8,17} + p_{8,81} + p_{7,9} + p_{8,201} + 2p_{7,41} + p_{8,57} + p_{8,69} + p_{8,101}\\&+ p_{8,213} + p_{8,141} + p_{8,125} + p_{8,83} + p_{8,43} + p_{7,27} + p_{8,91} + p_{8,7}\\&+ p_{8,199} + p_{8,119} + p_{8,159} + 3p_{8,95} + p_{8,63})\end{aligned}}$$

$$p_{9,269} = \frac{1}{2}p_{8,13} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,13}^2 - 4(p_{8,0} + p_{8,64} + p_{8,32} + 2p_{8,16} + p_{8,208} + p_{7,72}\\&+ p_{8,232} + p_{8,56} + p_{7,20} + p_{8,52} + p_{8,244} + p_{8,92} + p_{8,188} + 2p_{8,2}\\&+ p_{8,130} + p_{8,66} + p_{8,50} + p_{8,10} + p_{8,74} + p_{8,42} + p_{8,186} + p_{8,122}\\&+ 2p_{8,198} + p_{8,102} + p_{8,54} + p_{8,246} + p_{8,78} + p_{8,46} + p_{8,94} + p_{7,97}\\&+ p_{8,17} + p_{8,81} + p_{7,9} + p_{8,201} + 2p_{7,41} + p_{8,57} + p_{8,69} + p_{8,101}\\&+ p_{8,213} + p_{8,141} + p_{8,125} + p_{8,83} + p_{8,43} + p_{7,27} + p_{8,91} + p_{8,7}\\&+ p_{8,199} + p_{8,119} + p_{8,159} + 3p_{8,95} + p_{8,63})\end{aligned}}$$

$$p_{9,141} = \frac{1}{2}p_{8,141} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,141}^2 - 4(p_{8,128} + p_{8,192} + p_{8,160} + 2p_{8,144} + p_{8,80} + p_{7,72}\\ &+ p_{8,104} + p_{8,184} + p_{7,20} + p_{8,180} + p_{8,116} + p_{8,220} + p_{8,60} + p_{8,2}\\ &+ 2p_{8,130} + p_{8,194} + p_{8,178} + p_{8,138} + p_{8,202} + p_{8,170} + p_{8,58} + p_{8,250}\\ &+ 2p_{8,70} + p_{8,230} + p_{8,182} + p_{8,118} + p_{8,206} + p_{8,174} + p_{8,222} + p_{7,97}\\ &+ p_{8,145} + p_{8,209} + p_{7,9} + p_{8,73} + 2p_{7,41} + p_{8,185} + p_{8,197} + p_{8,229}\\ &+ p_{8,85} + p_{8,13} + p_{8,253} + p_{8,211} + p_{8,171} + p_{7,27} + p_{8,219} + p_{8,135}\\ &+ p_{8,71} + p_{8,247} + p_{8,31} + 3p_{8,223} + p_{8,191})\end{aligned}}$$

$$p_{9,397} = \frac{1}{2}p_{8,141} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,141}^2 - 4(p_{8,128} + p_{8,192} + p_{8,160} + 2p_{8,144} + p_{8,80} + p_{7,72}\\ &+ p_{8,104} + p_{8,184} + p_{7,20} + p_{8,180} + p_{8,116} + p_{8,220} + p_{8,60} + p_{8,2}\\ &+ 2p_{8,130} + p_{8,194} + p_{8,178} + p_{8,138} + p_{8,202} + p_{8,170} + p_{8,58} + p_{8,250}\\ &+ 2p_{8,70} + p_{8,230} + p_{8,182} + p_{8,118} + p_{8,206} + p_{8,174} + p_{8,222} + p_{7,97}\\ &+ p_{8,145} + p_{8,209} + p_{7,9} + p_{8,73} + 2p_{7,41} + p_{8,185} + p_{8,197} + p_{8,229}\\ &+ p_{8,85} + p_{8,13} + p_{8,253} + p_{8,211} + p_{8,171} + p_{7,27} + p_{8,219} + p_{8,135}\\ &+ p_{8,71} + p_{8,247} + p_{8,31} + 3p_{8,223} + p_{8,191})\end{aligned}}$$

$$p_{9,77} = \frac{1}{2}p_{8,77} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,77}^2 - 4(p_{8,128} + p_{8,64} + p_{8,96} + p_{8,16} + 2p_{8,80} + p_{7,8}\\ &+ p_{8,40} + p_{8,120} + p_{7,84} + p_{8,52} + p_{8,116} + p_{8,156} + p_{8,252} + p_{8,130}\\ &+ 2p_{8,66} + p_{8,194} + p_{8,114} + p_{8,138} + p_{8,74} + p_{8,106} + p_{8,186} + p_{8,250}\\ &+ 2p_{8,6} + p_{8,166} + p_{8,54} + p_{8,118} + p_{8,142} + p_{8,110} + p_{8,158} + p_{7,33}\\ &+ p_{8,145} + p_{8,81} + p_{8,9} + p_{7,73} + 2p_{7,105} + p_{8,121} + p_{8,133} + p_{8,165}\\ &+ p_{8,21} + p_{8,205} + p_{8,189} + p_{8,147} + p_{8,107} + p_{8,155} + p_{7,91} + p_{8,7}\\ &+ p_{8,71} + p_{8,183} + 3p_{8,159} + p_{8,223} + p_{8,127})\end{aligned}}$$

$$p_{9,333} = \frac{1}{2}p_{8,77} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,77}^2 - 4(p_{8,128} + p_{8,64} + p_{8,96} + p_{8,16} + 2p_{8,80} + p_{7,8}\\ &+ p_{8,40} + p_{8,120} + p_{7,84} + p_{8,52} + p_{8,116} + p_{8,156} + p_{8,252} + p_{8,130}\\ &+ 2p_{8,66} + p_{8,194} + p_{8,114} + p_{8,138} + p_{8,74} + p_{8,106} + p_{8,186} + p_{8,250}\\ &+ 2p_{8,6} + p_{8,166} + p_{8,54} + p_{8,118} + p_{8,142} + p_{8,110} + p_{8,158} + p_{7,33}\\ &+ p_{8,145} + p_{8,81} + p_{8,9} + p_{7,73} + 2p_{7,105} + p_{8,121} + p_{8,133} + p_{8,165}\\ &+ p_{8,21} + p_{8,205} + p_{8,189} + p_{8,147} + p_{8,107} + p_{8,155} + p_{7,91} + p_{8,7}\\ &+ p_{8,71} + p_{8,183} + 3p_{8,159} + p_{8,223} + p_{8,127})\end{aligned}}$$

$$p_{9,205} = \frac{1}{2}p_{8,205} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,205}^2 - 4(p_{8,0} + p_{8,192} + p_{8,224} + p_{8,144} + 2p_{8,208} + p_{7,8}\\ &+ p_{8,168} + p_{8,248} + p_{7,84} + p_{8,180} + p_{8,244} + p_{8,28} + p_{8,124} + p_{8,2}\\ &+ p_{8,66} + 2p_{8,194} + p_{8,242} + p_{8,10} + p_{8,202} + p_{8,234} + p_{8,58} + p_{8,122}\\ &+ 2p_{8,134} + p_{8,38} + p_{8,182} + p_{8,246} + p_{8,14} + p_{8,238} + p_{8,30} + p_{7,33}\\ &+ p_{8,17} + p_{8,209} + p_{8,137} + p_{7,73} + 2p_{7,105} + p_{8,249} + p_{8,5} + p_{8,37}\\ &+ p_{8,149} + p_{8,77} + p_{8,61} + p_{8,19} + p_{8,235} + p_{8,27} + p_{7,91} + p_{8,135}\\ &+ p_{8,199} + p_{8,55} + 3p_{8,31} + p_{8,95} + p_{8,255})\end{aligned}}$$

$$p_{9,461} = \frac{1}{2}p_{8,205} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,205}^2 - 4(p_{8,0} + p_{8,192} + p_{8,224} + p_{8,144} + 2p_{8,208} + p_{7,8}\\ &+ p_{8,168} + p_{8,248} + p_{7,84} + p_{8,180} + p_{8,244} + p_{8,28} + p_{8,124} + p_{8,2}\\ &+ p_{8,66} + 2p_{8,194} + p_{8,242} + p_{8,10} + p_{8,202} + p_{8,234} + p_{8,58} + p_{8,122}\\ &+ 2p_{8,134} + p_{8,38} + p_{8,182} + p_{8,246} + p_{8,14} + p_{8,238} + p_{8,30} + p_{7,33}\\ &+ p_{8,17} + p_{8,209} + p_{8,137} + p_{7,73} + 2p_{7,105} + p_{8,249} + p_{8,5} + p_{8,37}\\ &+ p_{8,149} + p_{8,77} + p_{8,61} + p_{8,19} + p_{8,235} + p_{8,27} + p_{7,91} + p_{8,135}\\ &+ p_{8,199} + p_{8,55} + 3p_{8,31} + p_{8,95} + p_{8,255})\end{aligned}}$$

$$p_{9,45} = \frac{1}{2}p_{8,45} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,45}^2 - 4(p_{8,64} + p_{8,32} + p_{8,96} + 2p_{8,48} + p_{8,240} + p_{8,8}\\ &+ p_{7,104} + p_{8,88} + p_{8,20} + p_{8,84} + p_{7,52} + p_{8,220} + p_{8,124} + 2p_{8,34}\\ &+ p_{8,162} + p_{8,98} + p_{8,82} + p_{8,74} + p_{8,42} + p_{8,106} + p_{8,154} + p_{8,218}\\ &+ p_{8,134} + 2p_{8,230} + p_{8,22} + p_{8,86} + p_{8,78} + p_{8,110} + p_{8,126} + p_{7,1}\\ &+ p_{8,49} + p_{8,113} + 2p_{7,73} + p_{7,41} + p_{8,233} + p_{8,89} + p_{8,133} + p_{8,101}\\ &+ p_{8,245} + p_{8,173} + p_{8,157} + p_{8,115} + p_{8,75} + p_{7,59} + p_{8,123} + p_{8,39}\\ &+ p_{8,231} + p_{8,151} + p_{8,95} + p_{8,191} + 3p_{8,127})\end{aligned}}$$

$$p_{9,301} = \frac{1}{2}p_{8,45} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,45}^2 - 4(p_{8,64} + p_{8,32} + p_{8,96} + 2p_{8,48} + p_{8,240} + p_{8,8}\\ &+ p_{7,104} + p_{8,88} + p_{8,20} + p_{8,84} + p_{7,52} + p_{8,220} + p_{8,124} + 2p_{8,34}\\ &+ p_{8,162} + p_{8,98} + p_{8,82} + p_{8,74} + p_{8,42} + p_{8,106} + p_{8,154} + p_{8,218}\\ &+ p_{8,134} + 2p_{8,230} + p_{8,22} + p_{8,86} + p_{8,78} + p_{8,110} + p_{8,126} + p_{7,1}\\ &+ p_{8,49} + p_{8,113} + 2p_{7,73} + p_{7,41} + p_{8,233} + p_{8,89} + p_{8,133} + p_{8,101}\\ &+ p_{8,245} + p_{8,173} + p_{8,157} + p_{8,115} + p_{8,75} + p_{7,59} + p_{8,123} + p_{8,39}\\ &+ p_{8,231} + p_{8,151} + p_{8,95} + p_{8,191} + 3p_{8,127})\end{aligned}}$$

$$p_{9,173} = \frac{1}{2}p_{8,173} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,173}^2 - 4(p_{8,192} + p_{8,160} + p_{8,224} + 2p_{8,176} + p_{8,112} + p_{8,136}\\ &+ p_{7,104} + p_{8,216} + p_{8,148} + p_{8,212} + p_{7,52} + p_{8,92} + p_{8,252} + p_{8,34}\\ &+ 2p_{8,162} + p_{8,226} + p_{8,210} + p_{8,202} + p_{8,170} + p_{8,234} + p_{8,26} + p_{8,90}\\ &+ p_{8,6} + 2p_{8,102} + p_{8,150} + p_{8,214} + p_{8,206} + p_{8,238} + p_{8,254} + p_{7,1}\\ &+ p_{8,177} + p_{8,241} + 2p_{7,73} + p_{7,41} + p_{8,105} + p_{8,217} + p_{8,5} + p_{8,229}\\ &+ p_{8,117} + p_{8,45} + p_{8,29} + p_{8,243} + p_{8,203} + p_{7,59} + p_{8,251} + p_{8,167}\\ &+ p_{8,103} + p_{8,23} + p_{8,223} + p_{8,63} + 3p_{8,255})\end{aligned}}$$

$$p_{9,429} = \frac{1}{2}p_{8,173} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,173}^2 - 4(p_{8,192} + p_{8,160} + p_{8,224} + 2p_{8,176} + p_{8,112} + p_{8,136}\\ &+ p_{7,104} + p_{8,216} + p_{8,148} + p_{8,212} + p_{7,52} + p_{8,92} + p_{8,252} + p_{8,34}\\ &+ 2p_{8,162} + p_{8,226} + p_{8,210} + p_{8,202} + p_{8,170} + p_{8,234} + p_{8,26} + p_{8,90}\\ &+ p_{8,6} + 2p_{8,102} + p_{8,150} + p_{8,214} + p_{8,206} + p_{8,238} + p_{8,254} + p_{7,1}\\ &+ p_{8,177} + p_{8,241} + 2p_{7,73} + p_{7,41} + p_{8,105} + p_{8,217} + p_{8,5} + p_{8,229}\\ &+ p_{8,117} + p_{8,45} + p_{8,29} + p_{8,243} + p_{8,203} + p_{7,59} + p_{8,251} + p_{8,167}\\ &+ p_{8,103} + p_{8,23} + p_{8,223} + p_{8,63} + 3p_{8,255})\end{aligned}}$$

$$p_{9,109} = \frac{1}{2}p_{8,109} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,109}^2 - 4(p_{8,128} + p_{8,160} + p_{8,96} + p_{8,48} + 2p_{8,112} + p_{8,72}\\&+ p_{7,40} + p_{8,152} + p_{8,148} + p_{8,84} + p_{7,116} + p_{8,28} + p_{8,188} + p_{8,162}\\&+ 2p_{8,98} + p_{8,226} + p_{8,146} + p_{8,138} + p_{8,170} + p_{8,106} + p_{8,26} + p_{8,218}\\&+ p_{8,198} + 2p_{8,38} + p_{8,150} + p_{8,86} + p_{8,142} + p_{8,174} + p_{8,190} + p_{7,65}\\&+ p_{8,177} + p_{8,113} + 2p_{7,9} + p_{8,41} + p_{7,105} + p_{8,153} + p_{8,197} + p_{8,165}\\&+ p_{8,53} + p_{8,237} + p_{8,221} + p_{8,179} + p_{8,139} + p_{8,187} + p_{7,123} + p_{8,39}\\&+ p_{8,103} + p_{8,215} + p_{8,159} + 3p_{8,191} + p_{8,255})\end{aligned}}$$

$$p_{9,365} = \frac{1}{2}p_{8,109} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,109}^2 - 4(p_{8,128} + p_{8,160} + p_{8,96} + p_{8,48} + 2p_{8,112} + p_{8,72}\\&+ p_{7,40} + p_{8,152} + p_{8,148} + p_{8,84} + p_{7,116} + p_{8,28} + p_{8,188} + p_{8,162}\\&+ 2p_{8,98} + p_{8,226} + p_{8,146} + p_{8,138} + p_{8,170} + p_{8,106} + p_{8,26} + p_{8,218}\\&+ p_{8,198} + 2p_{8,38} + p_{8,150} + p_{8,86} + p_{8,142} + p_{8,174} + p_{8,190} + p_{7,65}\\&+ p_{8,177} + p_{8,113} + 2p_{7,9} + p_{8,41} + p_{7,105} + p_{8,153} + p_{8,197} + p_{8,165}\\&+ p_{8,53} + p_{8,237} + p_{8,221} + p_{8,179} + p_{8,139} + p_{8,187} + p_{7,123} + p_{8,39}\\&+ p_{8,103} + p_{8,215} + p_{8,159} + 3p_{8,191} + p_{8,255})\end{aligned}}$$

$$p_{9,237} = \frac{1}{2}p_{8,237} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,237}^2 - 4(p_{8,0} + p_{8,32} + p_{8,224} + p_{8,176} + 2p_{8,240} + p_{8,200}\\&+ p_{7,40} + p_{8,24} + p_{8,20} + p_{8,212} + p_{7,116} + p_{8,156} + p_{8,60} + p_{8,34}\\&+ p_{8,98} + 2p_{8,226} + p_{8,18} + p_{8,10} + p_{8,42} + p_{8,234} + p_{8,154} + p_{8,90}\\&+ p_{8,70} + 2p_{8,166} + p_{8,22} + p_{8,214} + p_{8,14} + p_{8,46} + p_{8,62} + p_{7,65}\\&+ p_{8,49} + p_{8,241} + 2p_{7,9} + p_{8,169} + p_{7,105} + p_{8,25} + p_{8,69} + p_{8,37}\\&+ p_{8,181} + p_{8,109} + p_{8,93} + p_{8,51} + p_{8,11} + p_{8,59} + p_{7,123} + p_{8,167}\\&+ p_{8,231} + p_{8,87} + p_{8,31} + 3p_{8,63} + p_{8,127})\end{aligned}}$$

$$p_{9,493} = \frac{1}{2}p_{8,237} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,237}^2 - 4(p_{8,0} + p_{8,32} + p_{8,224} + p_{8,176} + 2p_{8,240} + p_{8,200}\\&+ p_{7,40} + p_{8,24} + p_{8,20} + p_{8,212} + p_{7,116} + p_{8,156} + p_{8,60} + p_{8,34}\\&+ p_{8,98} + 2p_{8,226} + p_{8,18} + p_{8,10} + p_{8,42} + p_{8,234} + p_{8,154} + p_{8,90}\\&+ p_{8,70} + 2p_{8,166} + p_{8,22} + p_{8,214} + p_{8,14} + p_{8,46} + p_{8,62} + p_{7,65}\\&+ p_{8,49} + p_{8,241} + 2p_{7,9} + p_{8,169} + p_{7,105} + p_{8,25} + p_{8,69} + p_{8,37}\\&+ p_{8,181} + p_{8,109} + p_{8,93} + p_{8,51} + p_{8,11} + p_{8,59} + p_{7,123} + p_{8,167}\\&+ p_{8,231} + p_{8,87} + p_{8,31} + 3p_{8,63} + p_{8,127})\end{aligned}}$$

$$p_{9,29} = \frac{1}{2}p_{8,29} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,29}^2 - 4(2p_{8,32} + p_{8,224} + p_{8,16} + p_{8,80} + p_{8,48} + p_{8,72}\\&+ p_{7,88} + p_{8,248} + p_{8,4} + p_{8,68} + p_{7,36} + p_{8,204} + p_{8,108} + p_{8,66}\\&+ 2p_{8,18} + p_{8,146} + p_{8,82} + p_{8,138} + p_{8,202} + p_{8,26} + p_{8,90} + p_{8,58}\\&+ p_{8,6} + p_{8,70} + 2p_{8,214} + p_{8,118} + p_{8,110} + p_{8,94} + p_{8,62} + p_{8,33}\\&+ p_{8,97} + p_{7,113} + p_{8,73} + p_{7,25} + p_{8,217} + 2p_{7,57} + p_{8,229} + p_{8,85}\\&+ p_{8,117} + p_{8,141} + p_{8,157} + p_{8,99} + p_{7,43} + p_{8,107} + p_{8,59} + p_{8,135}\\&+ p_{8,23} + p_{8,215} + p_{8,79} + p_{8,175} + 3p_{8,111})\end{aligned}}$$

$$p_{9,285} = \frac{1}{2}p_{8,29} - \frac{1}{2}\sqrt{\begin{array}{l} p_{8,29}^2 - 4(2p_{8,32} + p_{8,224} + p_{8,16} + p_{8,80} + p_{8,48} + p_{8,72} \\ \quad + p_{7,88} + p_{8,248} + p_{8,4} + p_{8,68} + p_{7,36} + p_{8,204} + p_{8,108} + p_{8,66} \\ \quad + 2p_{8,18} + p_{8,146} + p_{8,82} + p_{8,138} + p_{8,202} + p_{8,26} + p_{8,90} + p_{8,58} \\ \quad + p_{8,6} + p_{8,70} + 2p_{8,214} + p_{8,118} + p_{8,110} + p_{8,94} + p_{8,62} + p_{8,33} \\ \quad + p_{8,97} + p_{7,113} + p_{8,73} + p_{7,25} + p_{8,217} + 2p_{7,57} + p_{8,229} + p_{8,85} \\ \quad + p_{8,117} + p_{8,141} + p_{8,157} + p_{8,99} + p_{7,43} + p_{8,107} + p_{8,59} + p_{8,135} \\ \quad + p_{8,23} + p_{8,215} + p_{8,79} + p_{8,175} + 3p_{8,111}) \end{array}}$$

$$p_{9,157} = \frac{1}{2}p_{8,157} - \frac{1}{2}\sqrt{\begin{array}{l} p_{8,157}^2 - 4(2p_{8,160} + p_{8,96} + p_{8,144} + p_{8,208} + p_{8,176} + p_{8,200} \\ \quad + p_{7,88} + p_{8,120} + p_{8,132} + p_{8,196} + p_{7,36} + p_{8,76} + p_{8,236} + p_{8,194} \\ \quad + p_{8,18} + 2p_{8,146} + p_{8,210} + p_{8,10} + p_{8,74} + p_{8,154} + p_{8,218} + p_{8,186} \\ \quad + p_{8,134} + p_{8,198} + 2p_{8,86} + p_{8,246} + p_{8,238} + p_{8,222} + p_{8,190} + p_{8,161} \\ \quad + p_{8,225} + p_{7,113} + p_{8,201} + p_{7,25} + p_{8,89} + 2p_{7,57} + p_{8,101} + p_{8,213} \\ \quad + p_{8,245} + p_{8,13} + p_{8,29} + p_{8,227} + p_{7,43} + p_{8,235} + p_{8,187} + p_{8,7} \\ \quad + p_{8,151} + p_{8,87} + p_{8,207} + p_{8,47} + 3p_{8,239}) \end{array}}$$

$$p_{9,413} = \frac{1}{2}p_{8,157} + \frac{1}{2}\sqrt{\begin{array}{l} p_{8,157}^2 - 4(2p_{8,160} + p_{8,96} + p_{8,144} + p_{8,208} + p_{8,176} + p_{8,200} \\ \quad + p_{7,88} + p_{8,120} + p_{8,132} + p_{8,196} + p_{7,36} + p_{8,76} + p_{8,236} + p_{8,194} \\ \quad + p_{8,18} + 2p_{8,146} + p_{8,210} + p_{8,10} + p_{8,74} + p_{8,154} + p_{8,218} + p_{8,186} \\ \quad + p_{8,134} + p_{8,198} + 2p_{8,86} + p_{8,246} + p_{8,238} + p_{8,222} + p_{8,190} + p_{8,161} \\ \quad + p_{8,225} + p_{7,113} + p_{8,201} + p_{7,25} + p_{8,89} + 2p_{7,57} + p_{8,101} + p_{8,213} \\ \quad + p_{8,245} + p_{8,13} + p_{8,29} + p_{8,227} + p_{7,43} + p_{8,235} + p_{8,187} + p_{8,7} \\ \quad + p_{8,151} + p_{8,87} + p_{8,207} + p_{8,47} + 3p_{8,239}) \end{array}}$$

$$p_{9,93} = \frac{1}{2}p_{8,93} + \frac{1}{2}\sqrt{\begin{array}{l} p_{8,93}^2 - 4(p_{8,32} + 2p_{8,96} + p_{8,144} + p_{8,80} + p_{8,112} + p_{8,136} \\ \quad + p_{7,24} + p_{8,56} + p_{8,132} + p_{8,68} + p_{7,100} + p_{8,12} + p_{8,172} + p_{8,130} \\ \quad + p_{8,146} + 2p_{8,82} + p_{8,210} + p_{8,10} + p_{8,202} + p_{8,154} + p_{8,90} + p_{8,122} \\ \quad + p_{8,134} + p_{8,70} + 2p_{8,22} + p_{8,182} + p_{8,174} + p_{8,158} + p_{8,126} + p_{8,161} \\ \quad + p_{8,97} + p_{7,49} + p_{8,137} + p_{8,25} + p_{7,89} + 2p_{7,121} + p_{8,37} + p_{8,149} \\ \quad + p_{8,181} + p_{8,205} + p_{8,221} + p_{8,163} + p_{8,171} + p_{7,107} + p_{8,123} + p_{8,199} \\ \quad + p_{8,23} + p_{8,87} + p_{8,143} + 3p_{8,175} + p_{8,239}) \end{array}}$$

$$p_{9,349} = \frac{1}{2}p_{8,93} - \frac{1}{2}\sqrt{\begin{array}{l} p_{8,93}^2 - 4(p_{8,32} + 2p_{8,96} + p_{8,144} + p_{8,80} + p_{8,112} + p_{8,136} \\ \quad + p_{7,24} + p_{8,56} + p_{8,132} + p_{8,68} + p_{7,100} + p_{8,12} + p_{8,172} + p_{8,130} \\ \quad + p_{8,146} + 2p_{8,82} + p_{8,210} + p_{8,10} + p_{8,202} + p_{8,154} + p_{8,90} + p_{8,122} \\ \quad + p_{8,134} + p_{8,70} + 2p_{8,22} + p_{8,182} + p_{8,174} + p_{8,158} + p_{8,126} + p_{8,161} \\ \quad + p_{8,97} + p_{7,49} + p_{8,137} + p_{8,25} + p_{7,89} + 2p_{7,121} + p_{8,37} + p_{8,149} \\ \quad + p_{8,181} + p_{8,205} + p_{8,221} + p_{8,163} + p_{8,171} + p_{7,107} + p_{8,123} + p_{8,199} \\ \quad + p_{8,23} + p_{8,87} + p_{8,143} + 3p_{8,175} + p_{8,239}) \end{array}}$$

$$p_{9,221} = \frac{1}{2}p_{8,221} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,221}^2 - 4(p_{8,160} + 2p_{8,224} + p_{8,16} + p_{8,208} + p_{8,240} + p_{8,8}\\&+ p_{7,24} + p_{8,184} + p_{8,4} + p_{8,196} + p_{7,100} + p_{8,140} + p_{8,44} + p_{8,2}\\&+ p_{8,18} + p_{8,82} + 2p_{8,210} + p_{8,138} + p_{8,74} + p_{8,26} + p_{8,218} + p_{8,250}\\&+ p_{8,6} + p_{8,198} + 2p_{8,150} + p_{8,54} + p_{8,46} + p_{8,30} + p_{8,254} + p_{8,33}\\&+ p_{8,225} + p_{7,49} + p_{8,9} + p_{8,153} + p_{7,89} + 2p_{7,121} + p_{8,165} + p_{8,21}\\&+ p_{8,53} + p_{8,77} + p_{8,93} + p_{8,35} + p_{8,43} + p_{7,107} + p_{8,251} + p_{8,71}\\&+ p_{8,151} + p_{8,215} + p_{8,15} + 3p_{8,47} + p_{8,111})\end{aligned}}$$

$$p_{9,477} = \frac{1}{2}p_{8,221} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,221}^2 - 4(p_{8,160} + 2p_{8,224} + p_{8,16} + p_{8,208} + p_{8,240} + p_{8,8}\\&+ p_{7,24} + p_{8,184} + p_{8,4} + p_{8,196} + p_{7,100} + p_{8,140} + p_{8,44} + p_{8,2}\\&+ p_{8,18} + p_{8,82} + 2p_{8,210} + p_{8,138} + p_{8,74} + p_{8,26} + p_{8,218} + p_{8,250}\\&+ p_{8,6} + p_{8,198} + 2p_{8,150} + p_{8,54} + p_{8,46} + p_{8,30} + p_{8,254} + p_{8,33}\\&+ p_{8,225} + p_{7,49} + p_{8,9} + p_{8,153} + p_{7,89} + 2p_{7,121} + p_{8,165} + p_{8,21}\\&+ p_{8,53} + p_{8,77} + p_{8,93} + p_{8,35} + p_{8,43} + p_{7,107} + p_{8,251} + p_{8,71}\\&+ p_{8,151} + p_{8,215} + p_{8,15} + 3p_{8,47} + p_{8,111})\end{aligned}}$$

$$p_{9,61} = \frac{1}{2}p_{8,61} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,61}^2 - 4(p_{8,0} + 2p_{8,64} + p_{8,80} + p_{8,48} + p_{8,112} + p_{8,104}\\&+ p_{8,24} + p_{7,120} + p_{7,68} + p_{8,36} + p_{8,100} + p_{8,140} + p_{8,236} + p_{8,98}\\&+ 2p_{8,50} + p_{8,178} + p_{8,114} + p_{8,170} + p_{8,234} + p_{8,90} + p_{8,58} + p_{8,122}\\&+ p_{8,38} + p_{8,102} + p_{8,150} + 2p_{8,246} + p_{8,142} + p_{8,94} + p_{8,126} + p_{8,129}\\&+ p_{8,65} + p_{7,17} + p_{8,105} + 2p_{7,89} + p_{7,57} + p_{8,249} + p_{8,5} + p_{8,149}\\&+ p_{8,117} + p_{8,173} + p_{8,189} + p_{8,131} + p_{8,139} + p_{7,75} + p_{8,91} + p_{8,167}\\&+ p_{8,55} + p_{8,247} + 3p_{8,143} + p_{8,207} + p_{8,111})\end{aligned}}$$

$$p_{9,317} = \frac{1}{2}p_{8,61} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,61}^2 - 4(p_{8,0} + 2p_{8,64} + p_{8,80} + p_{8,48} + p_{8,112} + p_{8,104}\\&+ p_{8,24} + p_{7,120} + p_{7,68} + p_{8,36} + p_{8,100} + p_{8,140} + p_{8,236} + p_{8,98}\\&+ 2p_{8,50} + p_{8,178} + p_{8,114} + p_{8,170} + p_{8,234} + p_{8,90} + p_{8,58} + p_{8,122}\\&+ p_{8,38} + p_{8,102} + p_{8,150} + 2p_{8,246} + p_{8,142} + p_{8,94} + p_{8,126} + p_{8,129}\\&+ p_{8,65} + p_{7,17} + p_{8,105} + 2p_{7,89} + p_{7,57} + p_{8,249} + p_{8,5} + p_{8,149}\\&+ p_{8,117} + p_{8,173} + p_{8,189} + p_{8,131} + p_{8,139} + p_{7,75} + p_{8,91} + p_{8,167}\\&+ p_{8,55} + p_{8,247} + 3p_{8,143} + p_{8,207} + p_{8,111})\end{aligned}}$$

$$p_{9,189} = \frac{1}{2}p_{8,189} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,189}^2 - 4(p_{8,128} + 2p_{8,192} + p_{8,208} + p_{8,176} + p_{8,240} + p_{8,232}\\&+ p_{8,152} + p_{7,120} + p_{7,68} + p_{8,164} + p_{8,228} + p_{8,12} + p_{8,108} + p_{8,226}\\&+ p_{8,50} + 2p_{8,178} + p_{8,242} + p_{8,42} + p_{8,106} + p_{8,218} + p_{8,186} + p_{8,250}\\&+ p_{8,166} + p_{8,230} + p_{8,22} + 2p_{8,118} + p_{8,14} + p_{8,222} + p_{8,254} + p_{8,1}\\&+ p_{8,193} + p_{7,17} + p_{8,233} + 2p_{7,89} + p_{7,57} + p_{8,121} + p_{8,133} + p_{8,21}\\&+ p_{8,245} + p_{8,45} + p_{8,61} + p_{8,3} + p_{8,11} + p_{7,75} + p_{8,219} + p_{8,39}\\&+ p_{8,183} + p_{8,119} + 3p_{8,15} + p_{8,79} + p_{8,239})\end{aligned}}$$

$$p_{9,445} = \frac{1}{2}p_{8,189} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,189}^2 - 4(p_{8,128} + 2p_{8,192} + p_{8,208} + p_{8,176} + p_{8,240} + p_{8,232}\\&+ p_{8,152} + p_{7,120} + p_{7,68} + p_{8,164} + p_{8,228} + p_{8,12} + p_{8,108} + p_{8,226}\\&+ p_{8,50} + 2p_{8,178} + p_{8,242} + p_{8,42} + p_{8,106} + p_{8,218} + p_{8,186} + p_{8,250}\\&+ p_{8,166} + p_{8,230} + p_{8,22} + 2p_{8,118} + p_{8,14} + p_{8,222} + p_{8,254} + p_{8,1}\\&+ p_{8,193} + p_{7,17} + p_{8,233} + 2p_{7,89} + p_{7,57} + p_{8,121} + p_{8,133} + p_{8,21}\\&+ p_{8,245} + p_{8,45} + p_{8,61} + p_{8,3} + p_{8,11} + p_{7,75} + p_{8,219} + p_{8,39}\\&+ p_{8,183} + p_{8,119} + 3p_{8,15} + p_{8,79} + p_{8,239})\end{aligned}}$$

$$p_{9,125} = \frac{1}{2}p_{8,125} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,125}^2 - 4(2p_{8,128} + p_{8,64} + p_{8,144} + p_{8,176} + p_{8,112} + p_{8,168}\\&+ p_{8,88} + p_{7,56} + p_{7,4} + p_{8,164} + p_{8,100} + p_{8,204} + p_{8,44} + p_{8,162}\\&+ p_{8,178} + 2p_{8,114} + p_{8,242} + p_{8,42} + p_{8,234} + p_{8,154} + p_{8,186} + p_{8,122}\\&+ p_{8,166} + p_{8,102} + p_{8,214} + 2p_{8,54} + p_{8,206} + p_{8,158} + p_{8,190} + p_{8,129}\\&+ p_{8,193} + p_{7,81} + p_{8,169} + 2p_{7,25} + p_{8,57} + p_{7,121} + p_{8,69} + p_{8,213}\\&+ p_{8,181} + p_{8,237} + p_{8,253} + p_{8,195} + p_{7,11} + p_{8,203} + p_{8,155} + p_{8,231}\\&+ p_{8,55} + p_{8,119} + p_{8,15} + 3p_{8,207} + p_{8,175})\end{aligned}}$$

$$p_{9,381} = \frac{1}{2}p_{8,125} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,125}^2 - 4(2p_{8,128} + p_{8,64} + p_{8,144} + p_{8,176} + p_{8,112} + p_{8,168}\\&+ p_{8,88} + p_{7,56} + p_{7,4} + p_{8,164} + p_{8,100} + p_{8,204} + p_{8,44} + p_{8,162}\\&+ p_{8,178} + 2p_{8,114} + p_{8,242} + p_{8,42} + p_{8,234} + p_{8,154} + p_{8,186} + p_{8,122}\\&+ p_{8,166} + p_{8,102} + p_{8,214} + 2p_{8,54} + p_{8,206} + p_{8,158} + p_{8,190} + p_{8,129}\\&+ p_{8,193} + p_{7,81} + p_{8,169} + 2p_{7,25} + p_{8,57} + p_{7,121} + p_{8,69} + p_{8,213}\\&+ p_{8,181} + p_{8,237} + p_{8,253} + p_{8,195} + p_{7,11} + p_{8,203} + p_{8,155} + p_{8,231}\\&+ p_{8,55} + p_{8,119} + p_{8,15} + 3p_{8,207} + p_{8,175})\end{aligned}}$$

$$p_{9,253} = \frac{1}{2}p_{8,253} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,253}^2 - 4(2p_{8,0} + p_{8,192} + p_{8,16} + p_{8,48} + p_{8,240} + p_{8,40}\\&+ p_{8,216} + p_{7,56} + p_{7,4} + p_{8,36} + p_{8,228} + p_{8,76} + p_{8,172} + p_{8,34}\\&+ p_{8,50} + p_{8,114} + 2p_{8,242} + p_{8,170} + p_{8,106} + p_{8,26} + p_{8,58} + p_{8,250}\\&+ p_{8,38} + p_{8,230} + p_{8,86} + 2p_{8,182} + p_{8,78} + p_{8,30} + p_{8,62} + p_{8,1}\\&+ p_{8,65} + p_{7,81} + p_{8,41} + 2p_{7,25} + p_{8,185} + p_{7,121} + p_{8,197} + p_{8,85}\\&+ p_{8,53} + p_{8,109} + p_{8,125} + p_{8,67} + p_{7,11} + p_{8,75} + p_{8,27} + p_{8,103}\\&+ p_{8,183} + p_{8,247} + p_{8,143} + 3p_{8,79} + p_{8,47})\end{aligned}}$$

$$p_{9,509} = \frac{1}{2}p_{8,253} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,253}^2 - 4(2p_{8,0} + p_{8,192} + p_{8,16} + p_{8,48} + p_{8,240} + p_{8,40}\\&+ p_{8,216} + p_{7,56} + p_{7,4} + p_{8,36} + p_{8,228} + p_{8,76} + p_{8,172} + p_{8,34}\\&+ p_{8,50} + p_{8,114} + 2p_{8,242} + p_{8,170} + p_{8,106} + p_{8,26} + p_{8,58} + p_{8,250}\\&+ p_{8,38} + p_{8,230} + p_{8,86} + 2p_{8,182} + p_{8,78} + p_{8,30} + p_{8,62} + p_{8,1}\\&+ p_{8,65} + p_{7,81} + p_{8,41} + 2p_{7,25} + p_{8,185} + p_{7,121} + p_{8,197} + p_{8,85}\\&+ p_{8,53} + p_{8,109} + p_{8,125} + p_{8,67} + p_{7,11} + p_{8,75} + p_{8,27} + p_{8,103}\\&+ p_{8,183} + p_{8,247} + p_{8,143} + 3p_{8,79} + p_{8,47})\end{aligned}}$$

$$p_{9,3} = \frac{1}{2}p_{8,3} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,3}^2 - 4(p_{8,0} + p_{8,64} + p_{8,32} + p_{8,176} + p_{8,112} + p_{8,40}\\ &+ p_{8,56} + p_{8,120} + 2p_{8,248} + p_{8,68} + p_{8,36} + p_{8,84} + p_{8,44} + p_{8,236}\\ &+ p_{8,92} + 2p_{8,188} + p_{8,82} + p_{8,178} + p_{7,10} + p_{8,42} + p_{8,234} + 2p_{8,6}\\ &+ p_{8,198} + p_{8,22} + p_{8,54} + p_{8,246} + p_{8,46} + p_{8,222} + p_{7,62} + p_{8,33}\\ &+ p_{7,17} + p_{8,81} + p_{8,73} + p_{8,149} + 3p_{8,85} + p_{8,53} + p_{8,109} + p_{8,189}\\ &+ p_{8,253} + p_{8,131} + p_{8,115} + p_{8,203} + p_{8,91} + p_{8,59} + p_{8,7} + p_{8,71}\\ &+ p_{7,87} + p_{8,47} + 2p_{7,31} + p_{8,191} + p_{7,127})\end{aligned}}$$

$$p_{9,259} = \frac{1}{2}p_{8,3} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,3}^2 - 4(p_{8,0} + p_{8,64} + p_{8,32} + p_{8,176} + p_{8,112} + p_{8,40}\\ &+ p_{8,56} + p_{8,120} + 2p_{8,248} + p_{8,68} + p_{8,36} + p_{8,84} + p_{8,44} + p_{8,236}\\ &+ p_{8,92} + 2p_{8,188} + p_{8,82} + p_{8,178} + p_{7,10} + p_{8,42} + p_{8,234} + 2p_{8,6}\\ &+ p_{8,198} + p_{8,22} + p_{8,54} + p_{8,246} + p_{8,46} + p_{8,222} + p_{7,62} + p_{8,33}\\ &+ p_{7,17} + p_{8,81} + p_{8,73} + p_{8,149} + 3p_{8,85} + p_{8,53} + p_{8,109} + p_{8,189}\\ &+ p_{8,253} + p_{8,131} + p_{8,115} + p_{8,203} + p_{8,91} + p_{8,59} + p_{8,7} + p_{8,71}\\ &+ p_{7,87} + p_{8,47} + 2p_{7,31} + p_{8,191} + p_{7,127})\end{aligned}}$$

$$p_{9,131} = \frac{1}{2}p_{8,131} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,131}^2 - 4(p_{8,128} + p_{8,192} + p_{8,160} + p_{8,48} + p_{8,240} + p_{8,168}\\ &+ p_{8,184} + 2p_{8,120} + p_{8,248} + p_{8,196} + p_{8,164} + p_{8,212} + p_{8,172}\\ &+ p_{8,108} + p_{8,220} + 2p_{8,60} + p_{8,210} + p_{8,50} + p_{7,10} + p_{8,170} + p_{8,106}\\ &+ 2p_{8,134} + p_{8,70} + p_{8,150} + p_{8,182} + p_{8,118} + p_{8,174} + p_{8,94} + p_{7,62}\\ &+ p_{8,161} + p_{7,17} + p_{8,209} + p_{8,201} + p_{8,21} + 3p_{8,213} + p_{8,181} + p_{8,237}\\ &+ p_{8,61} + p_{8,125} + p_{8,3} + p_{8,243} + p_{8,75} + p_{8,219} + p_{8,187} + p_{8,135}\\ &+ p_{8,199} + p_{7,87} + p_{8,175} + 2p_{7,31} + p_{8,63} + p_{7,127})\end{aligned}}$$

$$p_{9,387} = \frac{1}{2}p_{8,131} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,131}^2 - 4(p_{8,128} + p_{8,192} + p_{8,160} + p_{8,48} + p_{8,240} + p_{8,168}\\ &+ p_{8,184} + 2p_{8,120} + p_{8,248} + p_{8,196} + p_{8,164} + p_{8,212} + p_{8,172}\\ &+ p_{8,108} + p_{8,220} + 2p_{8,60} + p_{8,210} + p_{8,50} + p_{7,10} + p_{8,170} + p_{8,106}\\ &+ 2p_{8,134} + p_{8,70} + p_{8,150} + p_{8,182} + p_{8,118} + p_{8,174} + p_{8,94} + p_{7,62}\\ &+ p_{8,161} + p_{7,17} + p_{8,209} + p_{8,201} + p_{8,21} + 3p_{8,213} + p_{8,181} + p_{8,237}\\ &+ p_{8,61} + p_{8,125} + p_{8,3} + p_{8,243} + p_{8,75} + p_{8,219} + p_{8,187} + p_{8,135}\\ &+ p_{8,199} + p_{7,87} + p_{8,175} + 2p_{7,31} + p_{8,63} + p_{7,127})\end{aligned}}$$

$$p_{9,67} = \frac{1}{2}p_{8,67} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,67}^2 - 4(p_{8,128} + p_{8,64} + p_{8,96} + p_{8,176} + p_{8,240} + p_{8,104}\\ &+ 2p_{8,56} + p_{8,184} + p_{8,120} + p_{8,132} + p_{8,100} + p_{8,148} + p_{8,44} + p_{8,108}\\ &+ p_{8,156} + 2p_{8,252} + p_{8,146} + p_{8,242} + p_{7,74} + p_{8,42} + p_{8,106} + p_{8,6}\\ &+ 2p_{8,70} + p_{8,86} + p_{8,54} + p_{8,118} + p_{8,110} + p_{8,30} + p_{7,126} + p_{8,97}\\ &+ p_{8,145} + p_{7,81} + p_{8,137} + 3p_{8,149} + p_{8,213} + p_{8,117} + p_{8,173} + p_{8,61}\\ &+ p_{8,253} + p_{8,195} + p_{8,179} + p_{8,11} + p_{8,155} + p_{8,123} + p_{8,135} + p_{8,71}\\ &+ p_{7,23} + p_{8,111} + 2p_{7,95} + p_{7,63} + p_{8,255})\end{aligned}}$$

$$p_{9,323} = \frac{1}{2}p_{8,67} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,67}^2 - 4(p_{8,128} + p_{8,64} + p_{8,96} + p_{8,176} + p_{8,240} + p_{8,104}\\ &+ 2p_{8,56} + p_{8,184} + p_{8,120} + p_{8,132} + p_{8,100} + p_{8,148} + p_{8,44} + p_{8,108}\\ &+ p_{8,156} + 2p_{8,252} + p_{8,146} + p_{8,242} + p_{7,74} + p_{8,42} + p_{8,106} + p_{8,6}\\ &+ 2p_{8,70} + p_{8,86} + p_{8,54} + p_{8,118} + p_{8,110} + p_{8,30} + p_{7,126} + p_{8,97}\\ &+ p_{8,145} + p_{7,81} + p_{8,137} + 3p_{8,149} + p_{8,213} + p_{8,117} + p_{8,173} + p_{8,61}\\ &+ p_{8,253} + p_{8,195} + p_{8,179} + p_{8,11} + p_{8,155} + p_{8,123} + p_{8,135} + p_{8,71}\\ &+ p_{7,23} + p_{8,111} + 2p_{7,95} + p_{7,63} + p_{8,255})\end{aligned}}$$

$$p_{9,195} = \frac{1}{2}p_{8,195} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,195}^2 - 4(p_{8,0} + p_{8,192} + p_{8,224} + p_{8,48} + p_{8,112} + p_{8,232}\\ &+ p_{8,56} + 2p_{8,184} + p_{8,248} + p_{8,4} + p_{8,228} + p_{8,20} + p_{8,172} + p_{8,236}\\ &+ p_{8,28} + 2p_{8,124} + p_{8,18} + p_{8,114} + p_{7,74} + p_{8,170} + p_{8,234} + p_{8,134}\\ &+ 2p_{8,198} + p_{8,214} + p_{8,182} + p_{8,246} + p_{8,238} + p_{8,158} + p_{7,126}\\ &+ p_{8,225} + p_{8,17} + p_{7,81} + p_{8,9} + 3p_{8,21} + p_{8,85} + p_{8,245} + p_{8,45}\\ &+ p_{8,189} + p_{8,125} + p_{8,67} + p_{8,51} + p_{8,139} + p_{8,27} + p_{8,251} + p_{8,7}\\ &+ p_{8,199} + p_{7,23} + p_{8,239} + 2p_{7,95} + p_{7,63} + p_{8,127})\end{aligned}}$$

$$p_{9,451} = \frac{1}{2}p_{8,195} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,195}^2 - 4(p_{8,0} + p_{8,192} + p_{8,224} + p_{8,48} + p_{8,112} + p_{8,232}\\ &+ p_{8,56} + 2p_{8,184} + p_{8,248} + p_{8,4} + p_{8,228} + p_{8,20} + p_{8,172} + p_{8,236}\\ &+ p_{8,28} + 2p_{8,124} + p_{8,18} + p_{8,114} + p_{7,74} + p_{8,170} + p_{8,234} + p_{8,134}\\ &+ 2p_{8,198} + p_{8,214} + p_{8,182} + p_{8,246} + p_{8,238} + p_{8,158} + p_{7,126}\\ &+ p_{8,225} + p_{8,17} + p_{7,81} + p_{8,9} + 3p_{8,21} + p_{8,85} + p_{8,245} + p_{8,45}\\ &+ p_{8,189} + p_{8,125} + p_{8,67} + p_{8,51} + p_{8,139} + p_{8,27} + p_{8,251} + p_{8,7}\\ &+ p_{8,199} + p_{7,23} + p_{8,239} + 2p_{7,95} + p_{7,63} + p_{8,127})\end{aligned}}$$

$$p_{9,35} = \frac{1}{2}p_{8,35} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,35}^2 - 4(p_{8,64} + p_{8,32} + p_{8,96} + p_{8,144} + p_{8,208} + p_{8,72}\\ &+ 2p_{8,24} + p_{8,152} + p_{8,88} + p_{8,68} + p_{8,100} + p_{8,116} + p_{8,12} + p_{8,76}\\ &+ 2p_{8,220} + p_{8,124} + p_{8,210} + p_{8,114} + p_{8,10} + p_{8,74} + p_{7,42} + 2p_{8,38}\\ &+ p_{8,230} + p_{8,22} + p_{8,86} + p_{8,54} + p_{8,78} + p_{7,94} + p_{8,254} + p_{8,65}\\ &+ p_{7,49} + p_{8,113} + p_{8,105} + p_{8,85} + p_{8,181} + 3p_{8,117} + p_{8,141} + p_{8,29}\\ &+ p_{8,221} + p_{8,163} + p_{8,147} + p_{8,235} + p_{8,91} + p_{8,123} + p_{8,39} + p_{8,103}\\ &+ p_{7,119} + p_{8,79} + p_{7,31} + p_{8,223} + 2p_{7,63})\end{aligned}}$$

$$p_{9,291} = \frac{1}{2}p_{8,35} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,35}^2 - 4(p_{8,64} + p_{8,32} + p_{8,96} + p_{8,144} + p_{8,208} + p_{8,72}\\ &+ 2p_{8,24} + p_{8,152} + p_{8,88} + p_{8,68} + p_{8,100} + p_{8,116} + p_{8,12} + p_{8,76}\\ &+ 2p_{8,220} + p_{8,124} + p_{8,210} + p_{8,114} + p_{8,10} + p_{8,74} + p_{7,42} + 2p_{8,38}\\ &+ p_{8,230} + p_{8,22} + p_{8,86} + p_{8,54} + p_{8,78} + p_{7,94} + p_{8,254} + p_{8,65}\\ &+ p_{7,49} + p_{8,113} + p_{8,105} + p_{8,85} + p_{8,181} + 3p_{8,117} + p_{8,141} + p_{8,29}\\ &+ p_{8,221} + p_{8,163} + p_{8,147} + p_{8,235} + p_{8,91} + p_{8,123} + p_{8,39} + p_{8,103}\\ &+ p_{7,119} + p_{8,79} + p_{7,31} + p_{8,223} + 2p_{7,63})\end{aligned}}$$

$$p_{9,163} = \frac{1}{2}p_{8,163} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,163}^2 - 4(p_{8,192} + p_{8,160} + p_{8,224} + p_{8,16} + p_{8,80} + p_{8,200}\\ &+ p_{8,24} + 2p_{8,152} + p_{8,216} + p_{8,196} + p_{8,228} + p_{8,244} + p_{8,140} + p_{8,204}\\ &+ 2p_{8,92} + p_{8,252} + p_{8,82} + p_{8,242} + p_{8,138} + p_{8,202} + p_{7,42} + 2p_{8,166}\\ &+ p_{8,102} + p_{8,150} + p_{8,214} + p_{8,182} + p_{8,206} + p_{7,94} + p_{8,126} + p_{8,193}\\ &+ p_{7,49} + p_{8,241} + p_{8,233} + p_{8,213} + p_{8,53} + 3p_{8,245} + p_{8,13} + p_{8,157}\\ &+ p_{8,93} + p_{8,35} + p_{8,19} + p_{8,107} + p_{8,219} + p_{8,251} + p_{8,167} + p_{8,231}\\ &+ p_{7,119} + p_{8,207} + p_{7,31} + p_{8,95} + 2p_{7,63})\end{aligned}}$$

$$p_{9,419} = \frac{1}{2}p_{8,163} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,163}^2 - 4(p_{8,192} + p_{8,160} + p_{8,224} + p_{8,16} + p_{8,80} + p_{8,200}\\ &+ p_{8,24} + 2p_{8,152} + p_{8,216} + p_{8,196} + p_{8,228} + p_{8,244} + p_{8,140} + p_{8,204}\\ &+ 2p_{8,92} + p_{8,252} + p_{8,82} + p_{8,242} + p_{8,138} + p_{8,202} + p_{7,42} + 2p_{8,166}\\ &+ p_{8,102} + p_{8,150} + p_{8,214} + p_{8,182} + p_{8,206} + p_{7,94} + p_{8,126} + p_{8,193}\\ &+ p_{7,49} + p_{8,241} + p_{8,233} + p_{8,213} + p_{8,53} + 3p_{8,245} + p_{8,13} + p_{8,157}\\ &+ p_{8,93} + p_{8,35} + p_{8,19} + p_{8,107} + p_{8,219} + p_{8,251} + p_{8,167} + p_{8,231}\\ &+ p_{7,119} + p_{8,207} + p_{7,31} + p_{8,95} + 2p_{7,63})\end{aligned}}$$

$$p_{9,99} = \frac{1}{2}p_{8,99} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,99}^2 - 4(p_{8,128} + p_{8,160} + p_{8,96} + p_{8,16} + p_{8,208} + p_{8,136}\\ &+ p_{8,152} + 2p_{8,88} + p_{8,216} + p_{8,132} + p_{8,164} + p_{8,180} + p_{8,140} + p_{8,76}\\ &+ 2p_{8,28} + p_{8,188} + p_{8,18} + p_{8,178} + p_{8,138} + p_{8,74} + p_{7,106} + p_{8,38}\\ &+ 2p_{8,102} + p_{8,150} + p_{8,86} + p_{8,118} + p_{8,142} + p_{7,30} + p_{8,62} + p_{8,129}\\ &+ p_{8,177} + p_{7,113} + p_{8,169} + p_{8,149} + 3p_{8,181} + p_{8,245} + p_{8,205} + p_{8,29}\\ &+ p_{8,93} + p_{8,227} + p_{8,211} + p_{8,43} + p_{8,155} + p_{8,187} + p_{8,167} + p_{8,103}\\ &+ p_{7,55} + p_{8,143} + p_{8,31} + p_{7,95} + 2p_{7,127})\end{aligned}}$$

$$p_{9,355} = \frac{1}{2}p_{8,99} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,99}^2 - 4(p_{8,128} + p_{8,160} + p_{8,96} + p_{8,16} + p_{8,208} + p_{8,136}\\ &+ p_{8,152} + 2p_{8,88} + p_{8,216} + p_{8,132} + p_{8,164} + p_{8,180} + p_{8,140} + p_{8,76}\\ &+ 2p_{8,28} + p_{8,188} + p_{8,18} + p_{8,178} + p_{8,138} + p_{8,74} + p_{7,106} + p_{8,38}\\ &+ 2p_{8,102} + p_{8,150} + p_{8,86} + p_{8,118} + p_{8,142} + p_{7,30} + p_{8,62} + p_{8,129}\\ &+ p_{8,177} + p_{7,113} + p_{8,169} + p_{8,149} + 3p_{8,181} + p_{8,245} + p_{8,205} + p_{8,29}\\ &+ p_{8,93} + p_{8,227} + p_{8,211} + p_{8,43} + p_{8,155} + p_{8,187} + p_{8,167} + p_{8,103}\\ &+ p_{7,55} + p_{8,143} + p_{8,31} + p_{7,95} + 2p_{7,127})\end{aligned}}$$

$$p_{9,227} = \frac{1}{2}p_{8,227} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,227}^2 - 4(p_{8,0} + p_{8,32} + p_{8,224} + p_{8,144} + p_{8,80} + p_{8,8}\\ &+ p_{8,24} + p_{8,88} + 2p_{8,216} + p_{8,4} + p_{8,36} + p_{8,52} + p_{8,12} + p_{8,204}\\ &+ 2p_{8,156} + p_{8,60} + p_{8,146} + p_{8,50} + p_{8,10} + p_{8,202} + p_{7,106} + p_{8,166}\\ &+ 2p_{8,230} + p_{8,22} + p_{8,214} + p_{8,246} + p_{8,14} + p_{7,30} + p_{8,190} + p_{8,1}\\ &+ p_{8,49} + p_{7,113} + p_{8,41} + p_{8,21} + 3p_{8,53} + p_{8,117} + p_{8,77} + p_{8,157}\\ &+ p_{8,221} + p_{8,99} + p_{8,83} + p_{8,171} + p_{8,27} + p_{8,59} + p_{8,39} + p_{8,231}\\ &+ p_{7,55} + p_{8,15} + p_{8,159} + p_{7,95} + 2p_{7,127})\end{aligned}}$$

$$p_{9,483} = \frac{1}{2}p_{8,227} + \frac{1}{2}\sqrt{\begin{array}{l} p_{8,227}^2 - 4(p_{8,0} + p_{8,32} + p_{8,224} + p_{8,144} + p_{8,80} + p_{8,8} \\ + p_{8,24} + p_{8,88} + 2p_{8,216} + p_{8,4} + p_{8,36} + p_{8,52} + p_{8,12} + p_{8,204} \\ + 2p_{8,156} + p_{8,60} + p_{8,146} + p_{8,50} + p_{8,10} + p_{8,202} + p_{7,106} + p_{8,166} \\ + 2p_{8,230} + p_{8,22} + p_{8,214} + p_{8,246} + p_{8,14} + p_{7,30} + p_{8,190} + p_{8,1} \\ + p_{8,49} + p_{7,113} + p_{8,41} + p_{8,21} + 3p_{8,53} + p_{8,117} + p_{8,77} + p_{8,157} \\ + p_{8,221} + p_{8,99} + p_{8,83} + p_{8,171} + p_{8,27} + p_{8,59} + p_{8,39} + p_{8,231} \\ + p_{7,55} + p_{8,15} + p_{8,159} + p_{7,95} + 2p_{7,127}) \end{array}}$$

$$p_{9,19} = \frac{1}{2}p_{8,19} + \frac{1}{2}\sqrt{\begin{array}{l} p_{8,19}^2 - 4(p_{8,128} + p_{8,192} + p_{8,16} + p_{8,80} + p_{8,48} + 2p_{8,8} \\ + p_{8,136} + p_{8,72} + p_{8,56} + p_{8,100} + p_{8,84} + p_{8,52} + 2p_{8,204} + p_{8,108} \\ + p_{8,60} + p_{8,252} + p_{8,194} + p_{8,98} + p_{7,26} + p_{8,58} + p_{8,250} + p_{8,6} \\ + p_{8,70} + p_{8,38} + 2p_{8,22} + p_{8,214} + p_{7,78} + p_{8,238} + p_{8,62} + p_{7,33} \\ + p_{8,97} + p_{8,49} + p_{8,89} + p_{8,69} + p_{8,165} + 3p_{8,101} + p_{8,13} + p_{8,205} \\ + p_{8,125} + p_{8,131} + p_{8,147} + p_{8,75} + p_{8,107} + p_{8,219} + p_{7,103} + p_{8,23} \\ + p_{8,87} + p_{7,15} + p_{8,207} + 2p_{7,47} + p_{8,63}) \end{array}}$$

$$p_{9,275} = \frac{1}{2}p_{8,19} - \frac{1}{2}\sqrt{\begin{array}{l} p_{8,19}^2 - 4(p_{8,128} + p_{8,192} + p_{8,16} + p_{8,80} + p_{8,48} + 2p_{8,8} \\ + p_{8,136} + p_{8,72} + p_{8,56} + p_{8,100} + p_{8,84} + p_{8,52} + 2p_{8,204} + p_{8,108} \\ + p_{8,60} + p_{8,252} + p_{8,194} + p_{8,98} + p_{7,26} + p_{8,58} + p_{8,250} + p_{8,6} \\ + p_{8,70} + p_{8,38} + 2p_{8,22} + p_{8,214} + p_{7,78} + p_{8,238} + p_{8,62} + p_{7,33} \\ + p_{8,97} + p_{8,49} + p_{8,89} + p_{8,69} + p_{8,165} + 3p_{8,101} + p_{8,13} + p_{8,205} \\ + p_{8,125} + p_{8,131} + p_{8,147} + p_{8,75} + p_{8,107} + p_{8,219} + p_{7,103} + p_{8,23} \\ + p_{8,87} + p_{7,15} + p_{8,207} + 2p_{7,47} + p_{8,63}) \end{array}}$$

$$p_{9,147} = \frac{1}{2}p_{8,147} + \frac{1}{2}\sqrt{\begin{array}{l} p_{8,147}^2 - 4(p_{8,0} + p_{8,64} + p_{8,144} + p_{8,208} + p_{8,176} + p_{8,8} \\ + 2p_{8,136} + p_{8,200} + p_{8,184} + p_{8,228} + p_{8,212} + p_{8,180} + 2p_{8,76} \\ + p_{8,236} + p_{8,188} + p_{8,124} + p_{8,66} + p_{8,226} + p_{7,26} + p_{8,186} + p_{8,122} \\ + p_{8,134} + p_{8,198} + p_{8,166} + 2p_{8,150} + p_{8,86} + p_{7,78} + p_{8,110} + p_{8,190} \\ + p_{7,33} + p_{8,225} + p_{8,177} + p_{8,217} + p_{8,197} + p_{8,37} + 3p_{8,229} + p_{8,141} \\ + p_{8,77} + p_{8,253} + p_{8,3} + p_{8,19} + p_{8,203} + p_{8,235} + p_{8,91} + p_{7,103} \\ + p_{8,151} + p_{8,215} + p_{7,15} + p_{8,79} + 2p_{7,47} + p_{8,191}) \end{array}}$$

$$p_{9,403} = \frac{1}{2}p_{8,147} - \frac{1}{2}\sqrt{\begin{array}{l} p_{8,147}^2 - 4(p_{8,0} + p_{8,64} + p_{8,144} + p_{8,208} + p_{8,176} + p_{8,8} \\ + 2p_{8,136} + p_{8,200} + p_{8,184} + p_{8,228} + p_{8,212} + p_{8,180} + 2p_{8,76} \\ + p_{8,236} + p_{8,188} + p_{8,124} + p_{8,66} + p_{8,226} + p_{7,26} + p_{8,186} + p_{8,122} \\ + p_{8,134} + p_{8,198} + p_{8,166} + 2p_{8,150} + p_{8,86} + p_{7,78} + p_{8,110} + p_{8,190} \\ + p_{7,33} + p_{8,225} + p_{8,177} + p_{8,217} + p_{8,197} + p_{8,37} + 3p_{8,229} + p_{8,141} \\ + p_{8,77} + p_{8,253} + p_{8,3} + p_{8,19} + p_{8,203} + p_{8,235} + p_{8,91} + p_{7,103} \\ + p_{8,151} + p_{8,215} + p_{7,15} + p_{8,79} + 2p_{7,47} + p_{8,191}) \end{array}}$$

$$p_{9,83} = \frac{1}{2}p_{8,83} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,83}^2 - 4(p_{8,0} + p_{8,192} + p_{8,144} + p_{8,80} + p_{8,112} + p_{8,136}\\&+ 2p_{8,72} + p_{8,200} + p_{8,120} + p_{8,164} + p_{8,148} + p_{8,116} + 2p_{8,12}\\&+ p_{8,172} + p_{8,60} + p_{8,124} + p_{8,2} + p_{8,162} + p_{7,90} + p_{8,58} + p_{8,122}\\&+ p_{8,134} + p_{8,70} + p_{8,102} + p_{8,22} + 2p_{8,86} + p_{7,14} + p_{8,46} + p_{8,126}\\&+ p_{8,161} + p_{7,97} + p_{8,113} + p_{8,153} + p_{8,133} + 3p_{8,165} + p_{8,229} + p_{8,13}\\&+ p_{8,77} + p_{8,189} + p_{8,195} + p_{8,211} + p_{8,139} + p_{8,171} + p_{8,27} + p_{7,39}\\&+ p_{8,151} + p_{8,87} + p_{8,15} + p_{7,79} + 2p_{7,111} + p_{8,127})\end{aligned}}$$

$$p_{9,339} = \frac{1}{2}p_{8,83} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,83}^2 - 4(p_{8,0} + p_{8,192} + p_{8,144} + p_{8,80} + p_{8,112} + p_{8,136}\\&+ 2p_{8,72} + p_{8,200} + p_{8,120} + p_{8,164} + p_{8,148} + p_{8,116} + 2p_{8,12}\\&+ p_{8,172} + p_{8,60} + p_{8,124} + p_{8,2} + p_{8,162} + p_{7,90} + p_{8,58} + p_{8,122}\\&+ p_{8,134} + p_{8,70} + p_{8,102} + p_{8,22} + 2p_{8,86} + p_{7,14} + p_{8,46} + p_{8,126}\\&+ p_{8,161} + p_{7,97} + p_{8,113} + p_{8,153} + p_{8,133} + 3p_{8,165} + p_{8,229} + p_{8,13}\\&+ p_{8,77} + p_{8,189} + p_{8,195} + p_{8,211} + p_{8,139} + p_{8,171} + p_{8,27} + p_{7,39}\\&+ p_{8,151} + p_{8,87} + p_{8,15} + p_{7,79} + 2p_{7,111} + p_{8,127})\end{aligned}}$$

$$p_{9,211} = \frac{1}{2}p_{8,211} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,211}^2 - 4(p_{8,128} + p_{8,64} + p_{8,16} + p_{8,208} + p_{8,240} + p_{8,8}\\&+ p_{8,72} + 2p_{8,200} + p_{8,248} + p_{8,36} + p_{8,20} + p_{8,244} + 2p_{8,140} + p_{8,44}\\&+ p_{8,188} + p_{8,252} + p_{8,130} + p_{8,34} + p_{7,90} + p_{8,186} + p_{8,250} + p_{8,6}\\&+ p_{8,198} + p_{8,230} + p_{8,150} + 2p_{8,214} + p_{7,14} + p_{8,174} + p_{8,254} + p_{8,33}\\&+ p_{7,97} + p_{8,241} + p_{8,25} + p_{8,5} + 3p_{8,37} + p_{8,101} + p_{8,141} + p_{8,205}\\&+ p_{8,61} + p_{8,67} + p_{8,83} + p_{8,11} + p_{8,43} + p_{8,155} + p_{7,39} + p_{8,23}\\&+ p_{8,215} + p_{8,143} + p_{7,79} + 2p_{7,111} + p_{8,255})\end{aligned}}$$

$$p_{9,467} = \frac{1}{2}p_{8,211} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,211}^2 - 4(p_{8,128} + p_{8,64} + p_{8,16} + p_{8,208} + p_{8,240} + p_{8,8}\\&+ p_{8,72} + 2p_{8,200} + p_{8,248} + p_{8,36} + p_{8,20} + p_{8,244} + 2p_{8,140} + p_{8,44}\\&+ p_{8,188} + p_{8,252} + p_{8,130} + p_{8,34} + p_{7,90} + p_{8,186} + p_{8,250} + p_{8,6}\\&+ p_{8,198} + p_{8,230} + p_{8,150} + 2p_{8,214} + p_{7,14} + p_{8,174} + p_{8,254} + p_{8,33}\\&+ p_{7,97} + p_{8,241} + p_{8,25} + p_{8,5} + 3p_{8,37} + p_{8,101} + p_{8,141} + p_{8,205}\\&+ p_{8,61} + p_{8,67} + p_{8,83} + p_{8,11} + p_{8,43} + p_{8,155} + p_{7,39} + p_{8,23}\\&+ p_{8,215} + p_{8,143} + p_{7,79} + 2p_{7,111} + p_{8,255})\end{aligned}}$$

$$p_{9,51} = \frac{1}{2}p_{8,51} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,51}^2 - 4(p_{8,160} + p_{8,224} + p_{8,80} + p_{8,48} + p_{8,112} + 2p_{8,40}\\&+ p_{8,168} + p_{8,104} + p_{8,88} + p_{8,132} + p_{8,84} + p_{8,116} + p_{8,140} + 2p_{8,236}\\&+ p_{8,28} + p_{8,92} + p_{8,130} + p_{8,226} + p_{8,26} + p_{8,90} + p_{7,58} + p_{8,70}\\&+ p_{8,38} + p_{8,102} + 2p_{8,54} + p_{8,246} + p_{8,14} + p_{7,110} + p_{8,94} + p_{8,129}\\&+ p_{7,65} + p_{8,81} + p_{8,121} + 3p_{8,133} + p_{8,197} + p_{8,101} + p_{8,45} + p_{8,237}\\&+ p_{8,157} + p_{8,163} + p_{8,179} + p_{8,139} + p_{8,107} + p_{8,251} + p_{7,7} + p_{8,55}\\&+ p_{8,119} + 2p_{7,79} + p_{7,47} + p_{8,239} + p_{8,95})\end{aligned}}$$

$$p_{9,307} = \frac{1}{2}p_{8,51} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,51}^2 - 4(p_{8,160} + p_{8,224} + p_{8,80} + p_{8,48} + p_{8,112} + 2p_{8,40}\\&+ p_{8,168} + p_{8,104} + p_{8,88} + p_{8,132} + p_{8,84} + p_{8,116} + p_{8,140} + 2p_{8,236}\\&+ p_{8,28} + p_{8,92} + p_{8,130} + p_{8,226} + p_{8,26} + p_{8,90} + p_{7,58} + p_{8,70}\\&+ p_{8,38} + p_{8,102} + 2p_{8,54} + p_{8,246} + p_{8,14} + p_{7,110} + p_{8,94} + p_{8,129}\\&+ p_{7,65} + p_{8,81} + p_{8,121} + 3p_{8,133} + p_{8,197} + p_{8,101} + p_{8,45} + p_{8,237}\\&+ p_{8,157} + p_{8,163} + p_{8,179} + p_{8,139} + p_{8,107} + p_{8,251} + p_{7,7} + p_{8,55}\\&+ p_{8,119} + 2p_{7,79} + p_{7,47} + p_{8,239} + p_{8,95})\end{aligned}}$$

$$p_{9,179} = \frac{1}{2}p_{8,179} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,179}^2 - 4(p_{8,32} + p_{8,96} + p_{8,208} + p_{8,176} + p_{8,240} + p_{8,40}\\&+ 2p_{8,168} + p_{8,232} + p_{8,216} + p_{8,4} + p_{8,212} + p_{8,244} + p_{8,12} + 2p_{8,108}\\&+ p_{8,156} + p_{8,220} + p_{8,2} + p_{8,98} + p_{8,154} + p_{8,218} + p_{7,58} + p_{8,198}\\&+ p_{8,166} + p_{8,230} + 2p_{8,182} + p_{8,118} + p_{8,142} + p_{7,110} + p_{8,222} + p_{8,1}\\&+ p_{7,65} + p_{8,209} + p_{8,249} + 3p_{8,5} + p_{8,69} + p_{8,229} + p_{8,173} + p_{8,109}\\&+ p_{8,29} + p_{8,35} + p_{8,51} + p_{8,11} + p_{8,235} + p_{8,123} + p_{7,7} + p_{8,183}\\&+ p_{8,247} + 2p_{7,79} + p_{7,47} + p_{8,111} + p_{8,223})\end{aligned}}$$

$$p_{9,435} = \frac{1}{2}p_{8,179} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,179}^2 - 4(p_{8,32} + p_{8,96} + p_{8,208} + p_{8,176} + p_{8,240} + p_{8,40}\\&+ 2p_{8,168} + p_{8,232} + p_{8,216} + p_{8,4} + p_{8,212} + p_{8,244} + p_{8,12} + 2p_{8,108}\\&+ p_{8,156} + p_{8,220} + p_{8,2} + p_{8,98} + p_{8,154} + p_{8,218} + p_{7,58} + p_{8,198}\\&+ p_{8,166} + p_{8,230} + 2p_{8,182} + p_{8,118} + p_{8,142} + p_{7,110} + p_{8,222} + p_{8,1}\\&+ p_{7,65} + p_{8,209} + p_{8,249} + 3p_{8,5} + p_{8,69} + p_{8,229} + p_{8,173} + p_{8,109}\\&+ p_{8,29} + p_{8,35} + p_{8,51} + p_{8,11} + p_{8,235} + p_{8,123} + p_{7,7} + p_{8,183}\\&+ p_{8,247} + 2p_{7,79} + p_{7,47} + p_{8,111} + p_{8,223})\end{aligned}}$$

$$p_{9,115} = \frac{1}{2}p_{8,115} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,115}^2 - 4(p_{8,32} + p_{8,224} + p_{8,144} + p_{8,176} + p_{8,112} + p_{8,168}\\&+ 2p_{8,104} + p_{8,232} + p_{8,152} + p_{8,196} + p_{8,148} + p_{8,180} + p_{8,204}\\&+ 2p_{8,44} + p_{8,156} + p_{8,92} + p_{8,194} + p_{8,34} + p_{8,154} + p_{8,90} + p_{7,122}\\&+ p_{8,134} + p_{8,166} + p_{8,102} + p_{8,54} + 2p_{8,118} + p_{8,78} + p_{7,46} + p_{8,158}\\&+ p_{7,1} + p_{8,193} + p_{8,145} + p_{8,185} + p_{8,5} + 3p_{8,197} + p_{8,165} + p_{8,45}\\&+ p_{8,109} + p_{8,221} + p_{8,227} + p_{8,243} + p_{8,203} + p_{8,171} + p_{8,59} + p_{7,71}\\&+ p_{8,183} + p_{8,119} + 2p_{7,15} + p_{8,47} + p_{7,111} + p_{8,159})\end{aligned}}$$

$$p_{9,371} = \frac{1}{2}p_{8,115} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,115}^2 - 4(p_{8,32} + p_{8,224} + p_{8,144} + p_{8,176} + p_{8,112} + p_{8,168}\\&+ 2p_{8,104} + p_{8,232} + p_{8,152} + p_{8,196} + p_{8,148} + p_{8,180} + p_{8,204}\\&+ 2p_{8,44} + p_{8,156} + p_{8,92} + p_{8,194} + p_{8,34} + p_{8,154} + p_{8,90} + p_{7,122}\\&+ p_{8,134} + p_{8,166} + p_{8,102} + p_{8,54} + 2p_{8,118} + p_{8,78} + p_{7,46} + p_{8,158}\\&+ p_{7,1} + p_{8,193} + p_{8,145} + p_{8,185} + p_{8,5} + 3p_{8,197} + p_{8,165} + p_{8,45}\\&+ p_{8,109} + p_{8,221} + p_{8,227} + p_{8,243} + p_{8,203} + p_{8,171} + p_{8,59} + p_{7,71}\\&+ p_{8,183} + p_{8,119} + 2p_{7,15} + p_{8,47} + p_{7,111} + p_{8,159})\end{aligned}}$$

$$p_{9,243} = \frac{1}{2}p_{8,243} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,243}^2 - 4(p_{8,160} + p_{8,96} + p_{8,16} + p_{8,48} + p_{8,240} + p_{8,40}\\ &+ p_{8,104} + 2p_{8,232} + p_{8,24} + p_{8,68} + p_{8,20} + p_{8,52} + p_{8,76} + 2p_{8,172}\\ &+ p_{8,28} + p_{8,220} + p_{8,66} + p_{8,162} + p_{8,26} + p_{8,218} + p_{7,122} + p_{8,6}\\ &+ p_{8,38} + p_{8,230} + p_{8,182} + 2p_{8,246} + p_{8,206} + p_{7,46} + p_{8,30} + p_{7,1}\\ &+ p_{8,65} + p_{8,17} + p_{8,57} + p_{8,133} + 3p_{8,69} + p_{8,37} + p_{8,173} + p_{8,237}\\ &+ p_{8,93} + p_{8,99} + p_{8,115} + p_{8,75} + p_{8,43} + p_{8,187} + p_{7,71} + p_{8,55}\\ &+ p_{8,247} + 2p_{7,15} + p_{8,175} + p_{7,111} + p_{8,31})\end{aligned}}$$

$$p_{9,499} = \frac{1}{2}p_{8,243} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,243}^2 - 4(p_{8,160} + p_{8,96} + p_{8,16} + p_{8,48} + p_{8,240} + p_{8,40}\\ &+ p_{8,104} + 2p_{8,232} + p_{8,24} + p_{8,68} + p_{8,20} + p_{8,52} + p_{8,76} + 2p_{8,172}\\ &+ p_{8,28} + p_{8,220} + p_{8,66} + p_{8,162} + p_{8,26} + p_{8,218} + p_{7,122} + p_{8,6}\\ &+ p_{8,38} + p_{8,230} + p_{8,182} + 2p_{8,246} + p_{8,206} + p_{7,46} + p_{8,30} + p_{7,1}\\ &+ p_{8,65} + p_{8,17} + p_{8,57} + p_{8,133} + 3p_{8,69} + p_{8,37} + p_{8,173} + p_{8,237}\\ &+ p_{8,93} + p_{8,99} + p_{8,115} + p_{8,75} + p_{8,43} + p_{8,187} + p_{7,71} + p_{8,55}\\ &+ p_{8,247} + 2p_{7,15} + p_{8,175} + p_{7,111} + p_{8,31})\end{aligned}}$$

$$p_{9,11} = \frac{1}{2}p_{8,11} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,11}^2 - 4(2p_{8,0} + p_{8,128} + p_{8,64} + p_{8,48} + p_{8,8} + p_{8,72}\\ &+ p_{8,40} + p_{8,184} + p_{8,120} + 2p_{8,196} + p_{8,100} + p_{8,52} + p_{8,244}\\ &+ p_{8,76} + p_{8,44} + p_{8,92} + p_{7,18} + p_{8,50} + p_{8,242} + p_{8,90} + p_{8,186}\\ &+ p_{7,70} + p_{8,230} + p_{8,54} + 2p_{8,14} + p_{8,206} + p_{8,30} + p_{8,62} + p_{8,254}\\ &+ p_{8,81} + p_{8,41} + p_{7,25} + p_{8,89} + p_{8,5} + p_{8,197} + p_{8,117} + p_{8,157}\\ &+ 3p_{8,93} + p_{8,61} + p_{8,67} + p_{8,99} + p_{8,211} + p_{8,139} + p_{8,123} + p_{7,7}\\ &+ p_{8,199} + 2p_{7,39} + p_{8,55} + p_{8,15} + p_{8,79} + p_{7,95})\end{aligned}}$$

$$p_{9,267} = \frac{1}{2}p_{8,11} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,11}^2 - 4(2p_{8,0} + p_{8,128} + p_{8,64} + p_{8,48} + p_{8,8} + p_{8,72}\\ &+ p_{8,40} + p_{8,184} + p_{8,120} + 2p_{8,196} + p_{8,100} + p_{8,52} + p_{8,244}\\ &+ p_{8,76} + p_{8,44} + p_{8,92} + p_{7,18} + p_{8,50} + p_{8,242} + p_{8,90} + p_{8,186}\\ &+ p_{7,70} + p_{8,230} + p_{8,54} + 2p_{8,14} + p_{8,206} + p_{8,30} + p_{8,62} + p_{8,254}\\ &+ p_{8,81} + p_{8,41} + p_{7,25} + p_{8,89} + p_{8,5} + p_{8,197} + p_{8,117} + p_{8,157}\\ &+ 3p_{8,93} + p_{8,61} + p_{8,67} + p_{8,99} + p_{8,211} + p_{8,139} + p_{8,123} + p_{7,7}\\ &+ p_{8,199} + 2p_{7,39} + p_{8,55} + p_{8,15} + p_{8,79} + p_{7,95})\end{aligned}}$$

$$p_{9,139} = \frac{1}{2}p_{8,139} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,139}^2 - 4(p_{8,0} + 2p_{8,128} + p_{8,192} + p_{8,176} + p_{8,136} + p_{8,200}\\ &+ p_{8,168} + p_{8,56} + p_{8,248} + 2p_{8,68} + p_{8,228} + p_{8,180} + p_{8,116} + p_{8,204}\\ &+ p_{8,172} + p_{8,220} + p_{7,18} + p_{8,178} + p_{8,114} + p_{8,218} + p_{8,58} + p_{7,70}\\ &+ p_{8,102} + p_{8,182} + 2p_{8,142} + p_{8,78} + p_{8,158} + p_{8,190} + p_{8,126} + p_{8,209}\\ &+ p_{8,169} + p_{7,25} + p_{8,217} + p_{8,133} + p_{8,69} + p_{8,245} + p_{8,29} + 3p_{8,221}\\ &+ p_{8,189} + p_{8,195} + p_{8,227} + p_{8,83} + p_{8,11} + p_{8,251} + p_{7,7} + p_{8,71}\\ &+ 2p_{7,39} + p_{8,183} + p_{8,143} + p_{8,207} + p_{7,95})\end{aligned}}$$

$$p_{9,395} = \frac{1}{2}p_{8,139} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,139}^2 - 4(p_{8,0} + 2p_{8,128} + p_{8,192} + p_{8,176} + p_{8,136} + p_{8,200}\\&+ p_{8,168} + p_{8,56} + p_{8,248} + 2p_{8,68} + p_{8,228} + p_{8,180} + p_{8,116} + p_{8,204}\\&+ p_{8,172} + p_{8,220} + p_{7,18} + p_{8,178} + p_{8,114} + p_{8,218} + p_{8,58} + p_{7,70}\\&+ p_{8,102} + p_{8,182} + 2p_{8,142} + p_{8,78} + p_{8,158} + p_{8,190} + p_{8,126} + p_{8,209}\\&+ p_{8,169} + p_{7,25} + p_{8,217} + p_{8,133} + p_{8,69} + p_{8,245} + p_{8,29} + 3p_{8,221}\\&+ p_{8,189} + p_{8,195} + p_{8,227} + p_{8,83} + p_{8,11} + p_{8,251} + p_{7,7} + p_{8,71}\\&+ 2p_{7,39} + p_{8,183} + p_{8,143} + p_{8,207} + p_{7,95})\end{aligned}}$$

$$p_{9,75} = \frac{1}{2}p_{8,75} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,75}^2 - 4(p_{8,128} + 2p_{8,64} + p_{8,192} + p_{8,112} + p_{8,136} + p_{8,72}\\&+ p_{8,104} + p_{8,184} + p_{8,248} + 2p_{8,4} + p_{8,164} + p_{8,52} + p_{8,116} + p_{8,140}\\&+ p_{8,108} + p_{8,156} + p_{7,82} + p_{8,50} + p_{8,114} + p_{8,154} + p_{8,250} + p_{7,6}\\&+ p_{8,38} + p_{8,118} + p_{8,14} + 2p_{8,78} + p_{8,94} + p_{8,62} + p_{8,126} + p_{8,145}\\&+ p_{8,105} + p_{8,153} + p_{7,89} + p_{8,5} + p_{8,69} + p_{8,181} + 3p_{8,157} + p_{8,221}\\&+ p_{8,125} + p_{8,131} + p_{8,163} + p_{8,19} + p_{8,203} + p_{8,187} + p_{8,7} + p_{7,71}\\&+ 2p_{7,103} + p_{8,119} + p_{8,143} + p_{8,79} + p_{7,31})\end{aligned}}$$

$$p_{9,331} = \frac{1}{2}p_{8,75} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,75}^2 - 4(p_{8,128} + 2p_{8,64} + p_{8,192} + p_{8,112} + p_{8,136} + p_{8,72}\\&+ p_{8,104} + p_{8,184} + p_{8,248} + 2p_{8,4} + p_{8,164} + p_{8,52} + p_{8,116} + p_{8,140}\\&+ p_{8,108} + p_{8,156} + p_{7,82} + p_{8,50} + p_{8,114} + p_{8,154} + p_{8,250} + p_{7,6}\\&+ p_{8,38} + p_{8,118} + p_{8,14} + 2p_{8,78} + p_{8,94} + p_{8,62} + p_{8,126} + p_{8,145}\\&+ p_{8,105} + p_{8,153} + p_{7,89} + p_{8,5} + p_{8,69} + p_{8,181} + 3p_{8,157} + p_{8,221}\\&+ p_{8,125} + p_{8,131} + p_{8,163} + p_{8,19} + p_{8,203} + p_{8,187} + p_{8,7} + p_{7,71}\\&+ 2p_{7,103} + p_{8,119} + p_{8,143} + p_{8,79} + p_{7,31})\end{aligned}}$$

$$p_{9,203} = \frac{1}{2}p_{8,203} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,203}^2 - 4(p_{8,0} + p_{8,64} + 2p_{8,192} + p_{8,240} + p_{8,8} + p_{8,200}\\&+ p_{8,232} + p_{8,56} + p_{8,120} + 2p_{8,132} + p_{8,36} + p_{8,180} + p_{8,244} + p_{8,12}\\&+ p_{8,236} + p_{8,28} + p_{7,82} + p_{8,178} + p_{8,242} + p_{8,26} + p_{8,122} + p_{7,6}\\&+ p_{8,166} + p_{8,246} + p_{8,142} + 2p_{8,206} + p_{8,222} + p_{8,190} + p_{8,254}\\&+ p_{8,17} + p_{8,233} + p_{8,25} + p_{7,89} + p_{8,133} + p_{8,197} + p_{8,53} + 3p_{8,29}\\&+ p_{8,93} + p_{8,253} + p_{8,3} + p_{8,35} + p_{8,147} + p_{8,75} + p_{8,59} + p_{8,135}\\&+ p_{7,71} + 2p_{7,103} + p_{8,247} + p_{8,15} + p_{8,207} + p_{7,31})\end{aligned}}$$

$$p_{9,459} = \frac{1}{2}p_{8,203} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,203}^2 - 4(p_{8,0} + p_{8,64} + 2p_{8,192} + p_{8,240} + p_{8,8} + p_{8,200}\\&+ p_{8,232} + p_{8,56} + p_{8,120} + 2p_{8,132} + p_{8,36} + p_{8,180} + p_{8,244} + p_{8,12}\\&+ p_{8,236} + p_{8,28} + p_{7,82} + p_{8,178} + p_{8,242} + p_{8,26} + p_{8,122} + p_{7,6}\\&+ p_{8,166} + p_{8,246} + p_{8,142} + 2p_{8,206} + p_{8,222} + p_{8,190} + p_{8,254}\\&+ p_{8,17} + p_{8,233} + p_{8,25} + p_{7,89} + p_{8,133} + p_{8,197} + p_{8,53} + 3p_{8,29}\\&+ p_{8,93} + p_{8,253} + p_{8,3} + p_{8,35} + p_{8,147} + p_{8,75} + p_{8,59} + p_{8,135}\\&+ p_{7,71} + 2p_{7,103} + p_{8,247} + p_{8,15} + p_{8,207} + p_{7,31})\end{aligned}}$$

$$p_{9,43} = \frac{1}{2}p_{8,43} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,43}^2 - 4(2p_{8,32} + p_{8,160} + p_{8,96} + p_{8,80} + p_{8,72} + p_{8,40}\\&+ p_{8,104} + p_{8,152} + p_{8,216} + p_{8,132} + 2p_{8,228} + p_{8,20} + p_{8,84} + p_{8,76}\\&+ p_{8,108} + p_{8,124} + p_{8,18} + p_{8,82} + p_{7,50} + p_{8,218} + p_{8,122} + p_{8,6}\\&+ p_{7,102} + p_{8,86} + 2p_{8,46} + p_{8,238} + p_{8,30} + p_{8,94} + p_{8,62} + p_{8,113}\\&+ p_{8,73} + p_{7,57} + p_{8,121} + p_{8,37} + p_{8,229} + p_{8,149} + p_{8,93} + p_{8,189}\\&+ 3p_{8,125} + p_{8,131} + p_{8,99} + p_{8,243} + p_{8,171} + p_{8,155} + 2p_{7,71}\\&+ p_{7,39} + p_{8,231} + p_{8,87} + p_{8,47} + p_{8,111} + p_{7,127})\end{aligned}}$$

$$p_{9,299} = \frac{1}{2}p_{8,43} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,43}^2 - 4(2p_{8,32} + p_{8,160} + p_{8,96} + p_{8,80} + p_{8,72} + p_{8,40}\\&+ p_{8,104} + p_{8,152} + p_{8,216} + p_{8,132} + 2p_{8,228} + p_{8,20} + p_{8,84} + p_{8,76}\\&+ p_{8,108} + p_{8,124} + p_{8,18} + p_{8,82} + p_{7,50} + p_{8,218} + p_{8,122} + p_{8,6}\\&+ p_{7,102} + p_{8,86} + 2p_{8,46} + p_{8,238} + p_{8,30} + p_{8,94} + p_{8,62} + p_{8,113}\\&+ p_{8,73} + p_{7,57} + p_{8,121} + p_{8,37} + p_{8,229} + p_{8,149} + p_{8,93} + p_{8,189}\\&+ 3p_{8,125} + p_{8,131} + p_{8,99} + p_{8,243} + p_{8,171} + p_{8,155} + 2p_{7,71}\\&+ p_{7,39} + p_{8,231} + p_{8,87} + p_{8,47} + p_{8,111} + p_{7,127})\end{aligned}}$$

$$p_{9,171} = \frac{1}{2}p_{8,171} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,171}^2 - 4(p_{8,32} + 2p_{8,160} + p_{8,224} + p_{8,208} + p_{8,200} + p_{8,168}\\&+ p_{8,232} + p_{8,24} + p_{8,88} + p_{8,4} + 2p_{8,100} + p_{8,148} + p_{8,212} + p_{8,204}\\&+ p_{8,236} + p_{8,252} + p_{8,146} + p_{8,210} + p_{7,50} + p_{8,90} + p_{8,250} + p_{8,134}\\&+ p_{7,102} + p_{8,214} + 2p_{8,174} + p_{8,110} + p_{8,158} + p_{8,222} + p_{8,190}\\&+ p_{8,241} + p_{8,201} + p_{7,57} + p_{8,249} + p_{8,165} + p_{8,101} + p_{8,21} + p_{8,221}\\&+ p_{8,61} + 3p_{8,253} + p_{8,3} + p_{8,227} + p_{8,115} + p_{8,43} + p_{8,27} + 2p_{7,71}\\&+ p_{7,39} + p_{8,103} + p_{8,215} + p_{8,175} + p_{8,239} + p_{7,127})\end{aligned}}$$

$$p_{9,427} = \frac{1}{2}p_{8,171} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,171}^2 - 4(p_{8,32} + 2p_{8,160} + p_{8,224} + p_{8,208} + p_{8,200} + p_{8,168}\\&+ p_{8,232} + p_{8,24} + p_{8,88} + p_{8,4} + 2p_{8,100} + p_{8,148} + p_{8,212} + p_{8,204}\\&+ p_{8,236} + p_{8,252} + p_{8,146} + p_{8,210} + p_{7,50} + p_{8,90} + p_{8,250} + p_{8,134}\\&+ p_{7,102} + p_{8,214} + 2p_{8,174} + p_{8,110} + p_{8,158} + p_{8,222} + p_{8,190}\\&+ p_{8,241} + p_{8,201} + p_{7,57} + p_{8,249} + p_{8,165} + p_{8,101} + p_{8,21} + p_{8,221}\\&+ p_{8,61} + 3p_{8,253} + p_{8,3} + p_{8,227} + p_{8,115} + p_{8,43} + p_{8,27} + 2p_{7,71}\\&+ p_{7,39} + p_{8,103} + p_{8,215} + p_{8,175} + p_{8,239} + p_{7,127})\end{aligned}}$$

$$p_{9,107} = \frac{1}{2}p_{8,107} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,107}^2 - 4(p_{8,160} + 2p_{8,96} + p_{8,224} + p_{8,144} + p_{8,136} + p_{8,168}\\&+ p_{8,104} + p_{8,24} + p_{8,216} + p_{8,196} + 2p_{8,36} + p_{8,148} + p_{8,84} + p_{8,140}\\&+ p_{8,172} + p_{8,188} + p_{8,146} + p_{8,82} + p_{7,114} + p_{8,26} + p_{8,186} + p_{8,70}\\&+ p_{7,38} + p_{8,150} + p_{8,46} + 2p_{8,110} + p_{8,158} + p_{8,94} + p_{8,126} + p_{8,177}\\&+ p_{8,137} + p_{8,185} + p_{7,121} + p_{8,37} + p_{8,101} + p_{8,213} + p_{8,157} + 3p_{8,189}\\&+ p_{8,253} + p_{8,195} + p_{8,163} + p_{8,51} + p_{8,235} + p_{8,219} + 2p_{7,7} + p_{8,39}\\&+ p_{7,103} + p_{8,151} + p_{8,175} + p_{8,111} + p_{7,63})\end{aligned}}$$

$$p_{9,363} = \frac{1}{2}p_{8,107} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,107}^2 - 4(p_{8,160} + 2p_{8,96} + p_{8,224} + p_{8,144} + p_{8,136} + p_{8,168}\\&+ p_{8,104} + p_{8,24} + p_{8,216} + p_{8,196} + 2p_{8,36} + p_{8,148} + p_{8,84} + p_{8,140}\\&+ p_{8,172} + p_{8,188} + p_{8,146} + p_{8,82} + p_{7,114} + p_{8,26} + p_{8,186} + p_{8,70}\\&+ p_{7,38} + p_{8,150} + p_{8,46} + 2p_{8,110} + p_{8,158} + p_{8,94} + p_{8,126} + p_{8,177}\\&+ p_{8,137} + p_{8,185} + p_{7,121} + p_{8,37} + p_{8,101} + p_{8,213} + p_{8,157} + 3p_{8,189}\\&+ p_{8,253} + p_{8,195} + p_{8,163} + p_{8,51} + p_{8,235} + p_{8,219} + 2p_{7,7} + p_{8,39}\\&+ p_{7,103} + p_{8,151} + p_{8,175} + p_{8,111} + p_{7,63})\end{aligned}}$$

$$p_{9,235} = \frac{1}{2}p_{8,235} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,235}^2 - 4(p_{8,32} + p_{8,96} + 2p_{8,224} + p_{8,16} + p_{8,8} + p_{8,40}\\&+ p_{8,232} + p_{8,152} + p_{8,88} + p_{8,68} + 2p_{8,164} + p_{8,20} + p_{8,212} + p_{8,12}\\&+ p_{8,44} + p_{8,60} + p_{8,18} + p_{8,210} + p_{7,114} + p_{8,154} + p_{8,58} + p_{8,198}\\&+ p_{7,38} + p_{8,22} + p_{8,174} + 2p_{8,238} + p_{8,30} + p_{8,222} + p_{8,254} + p_{8,49}\\&+ p_{8,9} + p_{8,57} + p_{7,121} + p_{8,165} + p_{8,229} + p_{8,85} + p_{8,29} + 3p_{8,61}\\&+ p_{8,125} + p_{8,67} + p_{8,35} + p_{8,179} + p_{8,107} + p_{8,91} + 2p_{7,7} + p_{8,167}\\&+ p_{7,103} + p_{8,23} + p_{8,47} + p_{8,239} + p_{7,63})\end{aligned}}$$

$$p_{9,491} = \frac{1}{2}p_{8,235} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,235}^2 - 4(p_{8,32} + p_{8,96} + 2p_{8,224} + p_{8,16} + p_{8,8} + p_{8,40}\\&+ p_{8,232} + p_{8,152} + p_{8,88} + p_{8,68} + 2p_{8,164} + p_{8,20} + p_{8,212} + p_{8,12}\\&+ p_{8,44} + p_{8,60} + p_{8,18} + p_{8,210} + p_{7,114} + p_{8,154} + p_{8,58} + p_{8,198}\\&+ p_{7,38} + p_{8,22} + p_{8,174} + 2p_{8,238} + p_{8,30} + p_{8,222} + p_{8,254} + p_{8,49}\\&+ p_{8,9} + p_{8,57} + p_{7,121} + p_{8,165} + p_{8,229} + p_{8,85} + p_{8,29} + 3p_{8,61}\\&+ p_{8,125} + p_{8,67} + p_{8,35} + p_{8,179} + p_{8,107} + p_{8,91} + 2p_{7,7} + p_{8,167}\\&+ p_{7,103} + p_{8,23} + p_{8,47} + p_{8,239} + p_{7,63})\end{aligned}}$$

$$p_{9,27} = \frac{1}{2}p_{8,27} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,27}^2 - 4(p_{8,64} + 2p_{8,16} + p_{8,144} + p_{8,80} + p_{8,136} + p_{8,200}\\&+ p_{8,24} + p_{8,88} + p_{8,56} + p_{8,4} + p_{8,68} + 2p_{8,212} + p_{8,116} + p_{8,108}\\&+ p_{8,92} + p_{8,60} + p_{8,2} + p_{8,66} + p_{7,34} + p_{8,202} + p_{8,106} + p_{8,70}\\&+ p_{7,86} + p_{8,246} + p_{8,14} + p_{8,78} + p_{8,46} + 2p_{8,30} + p_{8,222} + p_{8,97}\\&+ p_{7,41} + p_{8,105} + p_{8,57} + p_{8,133} + p_{8,21} + p_{8,213} + p_{8,77} + p_{8,173}\\&+ 3p_{8,109} + p_{8,227} + p_{8,83} + p_{8,115} + p_{8,139} + p_{8,155} + p_{8,71} + p_{7,23}\\&+ p_{8,215} + 2p_{7,55} + p_{7,111} + p_{8,31} + p_{8,95})\end{aligned}}$$

$$p_{9,283} = \frac{1}{2}p_{8,27} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,27}^2 - 4(p_{8,64} + 2p_{8,16} + p_{8,144} + p_{8,80} + p_{8,136} + p_{8,200}\\&+ p_{8,24} + p_{8,88} + p_{8,56} + p_{8,4} + p_{8,68} + 2p_{8,212} + p_{8,116} + p_{8,108}\\&+ p_{8,92} + p_{8,60} + p_{8,2} + p_{8,66} + p_{7,34} + p_{8,202} + p_{8,106} + p_{8,70}\\&+ p_{7,86} + p_{8,246} + p_{8,14} + p_{8,78} + p_{8,46} + 2p_{8,30} + p_{8,222} + p_{8,97}\\&+ p_{7,41} + p_{8,105} + p_{8,57} + p_{8,133} + p_{8,21} + p_{8,213} + p_{8,77} + p_{8,173}\\&+ 3p_{8,109} + p_{8,227} + p_{8,83} + p_{8,115} + p_{8,139} + p_{8,155} + p_{8,71} + p_{7,23}\\&+ p_{8,215} + 2p_{7,55} + p_{7,111} + p_{8,31} + p_{8,95})\end{aligned}}$$

$$p_{9,155} = \frac{1}{2}p_{8,155} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,155}^2 - 4(p_{8,192} + p_{8,16} + 2p_{8,144} + p_{8,208} + p_{8,8} + p_{8,72}\\ &+ p_{8,152} + p_{8,216} + p_{8,184} + p_{8,132} + p_{8,196} + 2p_{8,84} + p_{8,244} + p_{8,236}\\ &+ p_{8,220} + p_{8,188} + p_{8,130} + p_{8,194} + p_{7,34} + p_{8,74} + p_{8,234} + p_{8,198}\\ &+ p_{7,86} + p_{8,118} + p_{8,142} + p_{8,206} + p_{8,174} + 2p_{8,158} + p_{8,94} + p_{8,225}\\ &+ p_{7,41} + p_{8,233} + p_{8,185} + p_{8,5} + p_{8,149} + p_{8,85} + p_{8,205} + p_{8,45}\\ &+ 3p_{8,237} + p_{8,99} + p_{8,211} + p_{8,243} + p_{8,11} + p_{8,27} + p_{8,199} + p_{7,23}\\ &+ p_{8,87} + 2p_{7,55} + p_{7,111} + p_{8,159} + p_{8,223})\end{aligned}}$$

$$p_{9,411} = \frac{1}{2}p_{8,155} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,155}^2 - 4(p_{8,192} + p_{8,16} + 2p_{8,144} + p_{8,208} + p_{8,8} + p_{8,72}\\ &+ p_{8,152} + p_{8,216} + p_{8,184} + p_{8,132} + p_{8,196} + 2p_{8,84} + p_{8,244} + p_{8,236}\\ &+ p_{8,220} + p_{8,188} + p_{8,130} + p_{8,194} + p_{7,34} + p_{8,74} + p_{8,234} + p_{8,198}\\ &+ p_{7,86} + p_{8,118} + p_{8,142} + p_{8,206} + p_{8,174} + 2p_{8,158} + p_{8,94} + p_{8,225}\\ &+ p_{7,41} + p_{8,233} + p_{8,185} + p_{8,5} + p_{8,149} + p_{8,85} + p_{8,205} + p_{8,45}\\ &+ 3p_{8,237} + p_{8,99} + p_{8,211} + p_{8,243} + p_{8,11} + p_{8,27} + p_{8,199} + p_{7,23}\\ &+ p_{8,87} + 2p_{7,55} + p_{7,111} + p_{8,159} + p_{8,223})\end{aligned}}$$

$$p_{9,91} = \frac{1}{2}p_{8,91} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,91}^2 - 4(p_{8,128} + p_{8,144} + 2p_{8,80} + p_{8,208} + p_{8,8} + p_{8,200}\\ &+ p_{8,152} + p_{8,88} + p_{8,120} + p_{8,132} + p_{8,68} + 2p_{8,20} + p_{8,180} + p_{8,172}\\ &+ p_{8,156} + p_{8,124} + p_{8,130} + p_{8,66} + p_{7,98} + p_{8,10} + p_{8,170} + p_{8,134}\\ &+ p_{7,22} + p_{8,54} + p_{8,142} + p_{8,78} + p_{8,110} + p_{8,30} + 2p_{8,94} + p_{8,161}\\ &+ p_{8,169} + p_{7,105} + p_{8,121} + p_{8,197} + p_{8,21} + p_{8,85} + p_{8,141} + 3p_{8,173}\\ &+ p_{8,237} + p_{8,35} + p_{8,147} + p_{8,179} + p_{8,203} + p_{8,219} + p_{8,135} + p_{8,23}\\ &+ p_{7,87} + 2p_{7,119} + p_{7,47} + p_{8,159} + p_{8,95})\end{aligned}}$$

$$p_{9,347} = \frac{1}{2}p_{8,91} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,91}^2 - 4(p_{8,128} + p_{8,144} + 2p_{8,80} + p_{8,208} + p_{8,8} + p_{8,200}\\ &+ p_{8,152} + p_{8,88} + p_{8,120} + p_{8,132} + p_{8,68} + 2p_{8,20} + p_{8,180} + p_{8,172}\\ &+ p_{8,156} + p_{8,124} + p_{8,130} + p_{8,66} + p_{7,98} + p_{8,10} + p_{8,170} + p_{8,134}\\ &+ p_{7,22} + p_{8,54} + p_{8,142} + p_{8,78} + p_{8,110} + p_{8,30} + 2p_{8,94} + p_{8,161}\\ &+ p_{8,169} + p_{7,105} + p_{8,121} + p_{8,197} + p_{8,21} + p_{8,85} + p_{8,141} + 3p_{8,173}\\ &+ p_{8,237} + p_{8,35} + p_{8,147} + p_{8,179} + p_{8,203} + p_{8,219} + p_{8,135} + p_{8,23}\\ &+ p_{7,87} + 2p_{7,119} + p_{7,47} + p_{8,159} + p_{8,95})\end{aligned}}$$

$$p_{9,219} = \frac{1}{2}p_{8,219} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,219}^2 - 4(p_{8,0} + p_{8,16} + p_{8,80} + 2p_{8,208} + p_{8,136} + p_{8,72}\\ &+ p_{8,24} + p_{8,216} + p_{8,248} + p_{8,4} + p_{8,196} + 2p_{8,148} + p_{8,52} + p_{8,44}\\ &+ p_{8,28} + p_{8,252} + p_{8,2} + p_{8,194} + p_{7,98} + p_{8,138} + p_{8,42} + p_{8,6}\\ &+ p_{7,22} + p_{8,182} + p_{8,14} + p_{8,206} + p_{8,238} + p_{8,158} + 2p_{8,222} + p_{8,33}\\ &+ p_{8,41} + p_{7,105} + p_{8,249} + p_{8,69} + p_{8,149} + p_{8,213} + p_{8,13} + 3p_{8,45}\\ &+ p_{8,109} + p_{8,163} + p_{8,19} + p_{8,51} + p_{8,75} + p_{8,91} + p_{8,7} + p_{8,151}\\ &+ p_{7,87} + 2p_{7,119} + p_{7,47} + p_{8,31} + p_{8,223})\end{aligned}}$$

$$p_{9,475} = \frac{1}{2}p_{8,219} - \frac{1}{2}\sqrt{\begin{aligned} &p_{8,219}^2 - 4(p_{8,0} + p_{8,16} + p_{8,80} + 2p_{8,208} + p_{8,136} + p_{8,72} \\ &+ p_{8,24} + p_{8,216} + p_{8,248} + p_{8,4} + p_{8,196} + 2p_{8,148} + p_{8,52} + p_{8,44} \\ &+ p_{8,28} + p_{8,252} + p_{8,2} + p_{8,194} + p_{7,98} + p_{8,138} + p_{8,42} + p_{8,6} \\ &+ p_{7,22} + p_{8,182} + p_{8,14} + p_{8,206} + p_{8,238} + p_{8,158} + 2p_{8,222} + p_{8,33} \\ &+ p_{8,41} + p_{7,105} + p_{8,249} + p_{8,69} + p_{8,149} + p_{8,213} + p_{8,13} + 3p_{8,45} \\ &+ p_{8,109} + p_{8,163} + p_{8,19} + p_{8,51} + p_{8,75} + p_{8,91} + p_{8,7} + p_{8,151} \\ &+ p_{7,87} + 2p_{7,119} + p_{7,47} + p_{8,31} + p_{8,223}) \end{aligned}}$$

$$p_{9,59} = \frac{1}{2}p_{8,59} - \frac{1}{2}\sqrt{\begin{aligned} &p_{8,59}^2 - 4(p_{8,96} + 2p_{8,48} + p_{8,176} + p_{8,112} + p_{8,168} + p_{8,232} \\ &+ p_{8,88} + p_{8,56} + p_{8,120} + p_{8,36} + p_{8,100} + p_{8,148} + 2p_{8,244} + p_{8,140} \\ &+ p_{8,92} + p_{8,124} + p_{7,66} + p_{8,34} + p_{8,98} + p_{8,138} + p_{8,234} + p_{8,102} \\ &+ p_{8,22} + p_{7,118} + p_{8,78} + p_{8,46} + p_{8,110} + 2p_{8,62} + p_{8,254} + p_{8,129} \\ &+ p_{8,137} + p_{7,73} + p_{8,89} + p_{8,165} + p_{8,53} + p_{8,245} + 3p_{8,141} + p_{8,205} \\ &+ p_{8,109} + p_{8,3} + p_{8,147} + p_{8,115} + p_{8,171} + p_{8,187} + p_{8,103} + 2p_{7,87} \\ &+ p_{7,55} + p_{8,247} + p_{7,15} + p_{8,63} + p_{8,127}) \end{aligned}}$$

$$p_{9,315} = \frac{1}{2}p_{8,59} + \frac{1}{2}\sqrt{\begin{aligned} &p_{8,59}^2 - 4(p_{8,96} + 2p_{8,48} + p_{8,176} + p_{8,112} + p_{8,168} + p_{8,232} \\ &+ p_{8,88} + p_{8,56} + p_{8,120} + p_{8,36} + p_{8,100} + p_{8,148} + 2p_{8,244} + p_{8,140} \\ &+ p_{8,92} + p_{8,124} + p_{7,66} + p_{8,34} + p_{8,98} + p_{8,138} + p_{8,234} + p_{8,102} \\ &+ p_{8,22} + p_{7,118} + p_{8,78} + p_{8,46} + p_{8,110} + 2p_{8,62} + p_{8,254} + p_{8,129} \\ &+ p_{8,137} + p_{7,73} + p_{8,89} + p_{8,165} + p_{8,53} + p_{8,245} + 3p_{8,141} + p_{8,205} \\ &+ p_{8,109} + p_{8,3} + p_{8,147} + p_{8,115} + p_{8,171} + p_{8,187} + p_{8,103} + 2p_{7,87} \\ &+ p_{7,55} + p_{8,247} + p_{7,15} + p_{8,63} + p_{8,127}) \end{aligned}}$$

$$p_{9,187} = \frac{1}{2}p_{8,187} + \frac{1}{2}\sqrt{\begin{aligned} &p_{8,187}^2 - 4(p_{8,224} + p_{8,48} + 2p_{8,176} + p_{8,240} + p_{8,40} + p_{8,104} \\ &+ p_{8,216} + p_{8,184} + p_{8,248} + p_{8,164} + p_{8,228} + p_{8,20} + 2p_{8,116} + p_{8,12} \\ &+ p_{8,220} + p_{8,252} + p_{7,66} + p_{8,162} + p_{8,226} + p_{8,10} + p_{8,106} + p_{8,230} \\ &+ p_{8,150} + p_{7,118} + p_{8,206} + p_{8,174} + p_{8,238} + 2p_{8,190} + p_{8,126} + p_{8,1} \\ &+ p_{8,9} + p_{7,73} + p_{8,217} + p_{8,37} + p_{8,181} + p_{8,117} + 3p_{8,13} + p_{8,77} \\ &+ p_{8,237} + p_{8,131} + p_{8,19} + p_{8,243} + p_{8,43} + p_{8,59} + p_{8,231} + 2p_{7,87} \\ &+ p_{7,55} + p_{8,119} + p_{7,15} + p_{8,191} + p_{8,255}) \end{aligned}}$$

$$p_{9,443} = \frac{1}{2}p_{8,187} - \frac{1}{2}\sqrt{\begin{aligned} &p_{8,187}^2 - 4(p_{8,224} + p_{8,48} + 2p_{8,176} + p_{8,240} + p_{8,40} + p_{8,104} \\ &+ p_{8,216} + p_{8,184} + p_{8,248} + p_{8,164} + p_{8,228} + p_{8,20} + 2p_{8,116} + p_{8,12} \\ &+ p_{8,220} + p_{8,252} + p_{7,66} + p_{8,162} + p_{8,226} + p_{8,10} + p_{8,106} + p_{8,230} \\ &+ p_{8,150} + p_{7,118} + p_{8,206} + p_{8,174} + p_{8,238} + 2p_{8,190} + p_{8,126} + p_{8,1} \\ &+ p_{8,9} + p_{7,73} + p_{8,217} + p_{8,37} + p_{8,181} + p_{8,117} + 3p_{8,13} + p_{8,77} \\ &+ p_{8,237} + p_{8,131} + p_{8,19} + p_{8,243} + p_{8,43} + p_{8,59} + p_{8,231} + 2p_{7,87} \\ &+ p_{7,55} + p_{8,119} + p_{7,15} + p_{8,191} + p_{8,255}) \end{aligned}}$$

$$p_{9,123} = \frac{1}{2}p_{8,123} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,123}^2 - 4(p_{8,160} + p_{8,176} + 2p_{8,112} + p_{8,240} + p_{8,40} + p_{8,232}\\&+ p_{8,152} + p_{8,184} + p_{8,120} + p_{8,164} + p_{8,100} + p_{8,212} + 2p_{8,52} + p_{8,204}\\&+ p_{8,156} + p_{8,188} + p_{7,2} + p_{8,162} + p_{8,98} + p_{8,202} + p_{8,42} + p_{8,166}\\&+ p_{8,86} + p_{7,54} + p_{8,142} + p_{8,174} + p_{8,110} + p_{8,62} + 2p_{8,126} + p_{8,193}\\&+ p_{7,9} + p_{8,201} + p_{8,153} + p_{8,229} + p_{8,53} + p_{8,117} + p_{8,13} + 3p_{8,205}\\&+ p_{8,173} + p_{8,67} + p_{8,211} + p_{8,179} + p_{8,235} + p_{8,251} + p_{8,167} + 2p_{7,23}\\&+ p_{8,55} + p_{7,119} + p_{7,79} + p_{8,191} + p_{8,127})\end{aligned}}$$

$$p_{9,379} = \frac{1}{2}p_{8,123} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,123}^2 - 4(p_{8,160} + p_{8,176} + 2p_{8,112} + p_{8,240} + p_{8,40} + p_{8,232}\\&+ p_{8,152} + p_{8,184} + p_{8,120} + p_{8,164} + p_{8,100} + p_{8,212} + 2p_{8,52} + p_{8,204}\\&+ p_{8,156} + p_{8,188} + p_{7,2} + p_{8,162} + p_{8,98} + p_{8,202} + p_{8,42} + p_{8,166}\\&+ p_{8,86} + p_{7,54} + p_{8,142} + p_{8,174} + p_{8,110} + p_{8,62} + 2p_{8,126} + p_{8,193}\\&+ p_{7,9} + p_{8,201} + p_{8,153} + p_{8,229} + p_{8,53} + p_{8,117} + p_{8,13} + 3p_{8,205}\\&+ p_{8,173} + p_{8,67} + p_{8,211} + p_{8,179} + p_{8,235} + p_{8,251} + p_{8,167} + 2p_{7,23}\\&+ p_{8,55} + p_{7,119} + p_{7,79} + p_{8,191} + p_{8,127})\end{aligned}}$$

$$p_{9,251} = \frac{1}{2}p_{8,251} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,251}^2 - 4(p_{8,32} + p_{8,48} + p_{8,112} + 2p_{8,240} + p_{8,168} + p_{8,104}\\&+ p_{8,24} + p_{8,56} + p_{8,248} + p_{8,36} + p_{8,228} + p_{8,84} + 2p_{8,180} + p_{8,76}\\&+ p_{8,28} + p_{8,60} + p_{7,2} + p_{8,34} + p_{8,226} + p_{8,74} + p_{8,170} + p_{8,38}\\&+ p_{8,214} + p_{7,54} + p_{8,14} + p_{8,46} + p_{8,238} + p_{8,190} + 2p_{8,254} + p_{8,65}\\&+ p_{7,9} + p_{8,73} + p_{8,25} + p_{8,101} + p_{8,181} + p_{8,245} + p_{8,141} + 3p_{8,77}\\&+ p_{8,45} + p_{8,195} + p_{8,83} + p_{8,51} + p_{8,107} + p_{8,123} + p_{8,39} + 2p_{7,23}\\&+ p_{8,183} + p_{7,119} + p_{7,79} + p_{8,63} + p_{8,255})\end{aligned}}$$

$$p_{9,507} = \frac{1}{2}p_{8,251} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,251}^2 - 4(p_{8,32} + p_{8,48} + p_{8,112} + 2p_{8,240} + p_{8,168} + p_{8,104}\\&+ p_{8,24} + p_{8,56} + p_{8,248} + p_{8,36} + p_{8,228} + p_{8,84} + 2p_{8,180} + p_{8,76}\\&+ p_{8,28} + p_{8,60} + p_{7,2} + p_{8,34} + p_{8,226} + p_{8,74} + p_{8,170} + p_{8,38}\\&+ p_{8,214} + p_{7,54} + p_{8,14} + p_{8,46} + p_{8,238} + p_{8,190} + 2p_{8,254} + p_{8,65}\\&+ p_{7,9} + p_{8,73} + p_{8,25} + p_{8,101} + p_{8,181} + p_{8,245} + p_{8,141} + 3p_{8,77}\\&+ p_{8,45} + p_{8,195} + p_{8,83} + p_{8,51} + p_{8,107} + p_{8,123} + p_{8,39} + 2p_{7,23}\\&+ p_{8,183} + p_{7,119} + p_{7,79} + p_{8,63} + p_{8,255})\end{aligned}}$$

$$p_{9,7} = \frac{1}{2}p_{8,7} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,7}^2 - 4(2p_{8,192} + p_{8,96} + p_{8,48} + p_{8,240} + p_{8,72} + p_{8,40}\\&+ p_{8,88} + p_{8,4} + p_{8,68} + p_{8,36} + p_{8,180} + p_{8,116} + p_{8,44} + p_{8,60}\\&+ p_{8,124} + 2p_{8,252} + p_{7,66} + p_{8,226} + p_{8,50} + 2p_{8,10} + p_{8,202}\\&+ p_{8,26} + p_{8,58} + p_{8,250} + p_{8,86} + p_{8,182} + p_{7,14} + p_{8,46} + p_{8,238}\\&+ p_{8,1} + p_{8,193} + p_{8,113} + p_{8,153} + 3p_{8,89} + p_{8,57} + p_{8,37} + p_{7,21}\\&+ p_{8,85} + p_{8,77} + p_{7,3} + p_{8,195} + 2p_{7,35} + p_{8,51} + p_{8,11} + p_{8,75}\\&+ p_{7,91} + p_{8,135} + p_{8,119} + p_{8,207} + p_{8,95} + p_{8,63})\end{aligned}}$$

$$p_{9,263} = \frac{1}{2}p_{8,7} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,7}^2 - 4(2p_{8,192} + p_{8,96} + p_{8,48} + p_{8,240} + p_{8,72} + p_{8,40}\\ &+ p_{8,88} + p_{8,4} + p_{8,68} + p_{8,36} + p_{8,180} + p_{8,116} + p_{8,44} + p_{8,60}\\ &+ p_{8,124} + 2p_{8,252} + p_{7,66} + p_{8,226} + p_{8,50} + 2p_{8,10} + p_{8,202}\\ &+ p_{8,26} + p_{8,58} + p_{8,250} + p_{8,86} + p_{8,182} + p_{7,14} + p_{8,46} + p_{8,238}\\ &+ p_{8,1} + p_{8,193} + p_{8,113} + p_{8,153} + 3p_{8,89} + p_{8,57} + p_{8,37} + p_{7,21}\\ &+ p_{8,85} + p_{8,77} + p_{7,3} + p_{8,195} + 2p_{7,35} + p_{8,51} + p_{8,11} + p_{8,75}\\ &+ p_{7,91} + p_{8,135} + p_{8,119} + p_{8,207} + p_{8,95} + p_{8,63})\end{aligned}}$$

$$p_{9,135} = \frac{1}{2}p_{8,135} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,135}^2 - 4(2p_{8,64} + p_{8,224} + p_{8,176} + p_{8,112} + p_{8,200} + p_{8,168}\\ &+ p_{8,216} + p_{8,132} + p_{8,196} + p_{8,164} + p_{8,52} + p_{8,244} + p_{8,172} + p_{8,188}\\ &+ 2p_{8,124} + p_{8,252} + p_{7,66} + p_{8,98} + p_{8,178} + 2p_{8,138} + p_{8,74} + p_{8,154}\\ &+ p_{8,186} + p_{8,122} + p_{8,214} + p_{8,54} + p_{7,14} + p_{8,174} + p_{8,110} + p_{8,129}\\ &+ p_{8,65} + p_{8,241} + p_{8,25} + 3p_{8,217} + p_{8,185} + p_{8,165} + p_{7,21} + p_{8,213}\\ &+ p_{8,205} + p_{7,3} + p_{8,67} + 2p_{7,35} + p_{8,179} + p_{8,139} + p_{8,203} + p_{7,91}\\ &+ p_{8,7} + p_{8,247} + p_{8,79} + p_{8,223} + p_{8,191})\end{aligned}}$$

$$p_{9,391} = \frac{1}{2}p_{8,135} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,135}^2 - 4(2p_{8,64} + p_{8,224} + p_{8,176} + p_{8,112} + p_{8,200} + p_{8,168}\\ &+ p_{8,216} + p_{8,132} + p_{8,196} + p_{8,164} + p_{8,52} + p_{8,244} + p_{8,172} + p_{8,188}\\ &+ 2p_{8,124} + p_{8,252} + p_{7,66} + p_{8,98} + p_{8,178} + 2p_{8,138} + p_{8,74} + p_{8,154}\\ &+ p_{8,186} + p_{8,122} + p_{8,214} + p_{8,54} + p_{7,14} + p_{8,174} + p_{8,110} + p_{8,129}\\ &+ p_{8,65} + p_{8,241} + p_{8,25} + 3p_{8,217} + p_{8,185} + p_{8,165} + p_{7,21} + p_{8,213}\\ &+ p_{8,205} + p_{7,3} + p_{8,67} + 2p_{7,35} + p_{8,179} + p_{8,139} + p_{8,203} + p_{7,91}\\ &+ p_{8,7} + p_{8,247} + p_{8,79} + p_{8,223} + p_{8,191})\end{aligned}}$$

$$p_{9,71} = \frac{1}{2}p_{8,71} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,71}^2 - 4(2p_{8,0} + p_{8,160} + p_{8,48} + p_{8,112} + p_{8,136} + p_{8,104}\\ &+ p_{8,152} + p_{8,132} + p_{8,68} + p_{8,100} + p_{8,180} + p_{8,244} + p_{8,108} + 2p_{8,60}\\ &+ p_{8,188} + p_{8,124} + p_{7,2} + p_{8,34} + p_{8,114} + p_{8,10} + 2p_{8,74} + p_{8,90}\\ &+ p_{8,58} + p_{8,122} + p_{8,150} + p_{8,246} + p_{7,78} + p_{8,46} + p_{8,110} + p_{8,1}\\ &+ p_{8,65} + p_{8,177} + 3p_{8,153} + p_{8,217} + p_{8,121} + p_{8,101} + p_{8,149} + p_{7,85}\\ &+ p_{8,141} + p_{8,3} + p_{7,67} + 2p_{7,99} + p_{8,115} + p_{8,139} + p_{8,75} + p_{7,27}\\ &+ p_{8,199} + p_{8,183} + p_{8,15} + p_{8,159} + p_{8,127})\end{aligned}}$$

$$p_{9,327} = \frac{1}{2}p_{8,71} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,71}^2 - 4(2p_{8,0} + p_{8,160} + p_{8,48} + p_{8,112} + p_{8,136} + p_{8,104}\\ &+ p_{8,152} + p_{8,132} + p_{8,68} + p_{8,100} + p_{8,180} + p_{8,244} + p_{8,108} + 2p_{8,60}\\ &+ p_{8,188} + p_{8,124} + p_{7,2} + p_{8,34} + p_{8,114} + p_{8,10} + 2p_{8,74} + p_{8,90}\\ &+ p_{8,58} + p_{8,122} + p_{8,150} + p_{8,246} + p_{7,78} + p_{8,46} + p_{8,110} + p_{8,1}\\ &+ p_{8,65} + p_{8,177} + 3p_{8,153} + p_{8,217} + p_{8,121} + p_{8,101} + p_{8,149} + p_{7,85}\\ &+ p_{8,141} + p_{8,3} + p_{7,67} + 2p_{7,99} + p_{8,115} + p_{8,139} + p_{8,75} + p_{7,27}\\ &+ p_{8,199} + p_{8,183} + p_{8,15} + p_{8,159} + p_{8,127})\end{aligned}}$$

$$p_{9,199} = \frac{1}{2}p_{8,199} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,199}^2 - 4(2p_{8,128} + p_{8,32} + p_{8,176} + p_{8,240} + p_{8,8} + p_{8,232}\\&+ p_{8,24} + p_{8,4} + p_{8,196} + p_{8,228} + p_{8,52} + p_{8,116} + p_{8,236} + p_{8,60}\\&+ 2p_{8,188} + p_{8,252} + p_{7,2} + p_{8,162} + p_{8,242} + p_{8,138} + 2p_{8,202}\\&+ p_{8,218} + p_{8,186} + p_{8,250} + p_{8,22} + p_{8,118} + p_{7,78} + p_{8,174} + p_{8,238}\\&+ p_{8,129} + p_{8,193} + p_{8,49} + 3p_{8,25} + p_{8,89} + p_{8,249} + p_{8,229} + p_{8,21}\\&+ p_{7,85} + p_{8,13} + p_{8,131} + p_{7,67} + 2p_{7,99} + p_{8,243} + p_{8,11} + p_{8,203}\\&+ p_{7,27} + p_{8,71} + p_{8,55} + p_{8,143} + p_{8,31} + p_{8,255})\end{aligned}}$$

$$p_{9,455} = \frac{1}{2}p_{8,199} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,199}^2 - 4(2p_{8,128} + p_{8,32} + p_{8,176} + p_{8,240} + p_{8,8} + p_{8,232}\\&+ p_{8,24} + p_{8,4} + p_{8,196} + p_{8,228} + p_{8,52} + p_{8,116} + p_{8,236} + p_{8,60}\\&+ 2p_{8,188} + p_{8,252} + p_{7,2} + p_{8,162} + p_{8,242} + p_{8,138} + 2p_{8,202}\\&+ p_{8,218} + p_{8,186} + p_{8,250} + p_{8,22} + p_{8,118} + p_{7,78} + p_{8,174} + p_{8,238}\\&+ p_{8,129} + p_{8,193} + p_{8,49} + 3p_{8,25} + p_{8,89} + p_{8,249} + p_{8,229} + p_{8,21}\\&+ p_{7,85} + p_{8,13} + p_{8,131} + p_{7,67} + 2p_{7,99} + p_{8,243} + p_{8,11} + p_{8,203}\\&+ p_{7,27} + p_{8,71} + p_{8,55} + p_{8,143} + p_{8,31} + p_{8,255})\end{aligned}}$$

$$p_{9,39} = \frac{1}{2}p_{8,39} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,39}^2 - 4(p_{8,128} + 2p_{8,224} + p_{8,16} + p_{8,80} + p_{8,72} + p_{8,104}\\&+ p_{8,120} + p_{8,68} + p_{8,36} + p_{8,100} + p_{8,148} + p_{8,212} + p_{8,76} + 2p_{8,28}\\&+ p_{8,156} + p_{8,92} + p_{8,2} + p_{7,98} + p_{8,82} + 2p_{8,42} + p_{8,234} + p_{8,26}\\&+ p_{8,90} + p_{8,58} + p_{8,214} + p_{8,118} + p_{8,14} + p_{8,78} + p_{7,46} + p_{8,33}\\&+ p_{8,225} + p_{8,145} + p_{8,89} + p_{8,185} + 3p_{8,121} + p_{8,69} + p_{7,53} + p_{8,117}\\&+ p_{8,109} + 2p_{7,67} + p_{7,35} + p_{8,227} + p_{8,83} + p_{8,43} + p_{8,107} + p_{7,123}\\&+ p_{8,167} + p_{8,151} + p_{8,239} + p_{8,95} + p_{8,127})\end{aligned}}$$

$$p_{9,295} = \frac{1}{2}p_{8,39} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,39}^2 - 4(p_{8,128} + 2p_{8,224} + p_{8,16} + p_{8,80} + p_{8,72} + p_{8,104}\\&+ p_{8,120} + p_{8,68} + p_{8,36} + p_{8,100} + p_{8,148} + p_{8,212} + p_{8,76} + 2p_{8,28}\\&+ p_{8,156} + p_{8,92} + p_{8,2} + p_{7,98} + p_{8,82} + 2p_{8,42} + p_{8,234} + p_{8,26}\\&+ p_{8,90} + p_{8,58} + p_{8,214} + p_{8,118} + p_{8,14} + p_{8,78} + p_{7,46} + p_{8,33}\\&+ p_{8,225} + p_{8,145} + p_{8,89} + p_{8,185} + 3p_{8,121} + p_{8,69} + p_{7,53} + p_{8,117}\\&+ p_{8,109} + 2p_{7,67} + p_{7,35} + p_{8,227} + p_{8,83} + p_{8,43} + p_{8,107} + p_{7,123}\\&+ p_{8,167} + p_{8,151} + p_{8,239} + p_{8,95} + p_{8,127})\end{aligned}}$$

$$p_{9,167} = \frac{1}{2}p_{8,167} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,167}^2 - 4(p_{8,0} + 2p_{8,96} + p_{8,144} + p_{8,208} + p_{8,200} + p_{8,232}\\&+ p_{8,248} + p_{8,196} + p_{8,164} + p_{8,228} + p_{8,20} + p_{8,84} + p_{8,204} + p_{8,28}\\&+ 2p_{8,156} + p_{8,220} + p_{8,130} + p_{7,98} + p_{8,210} + 2p_{8,170} + p_{8,106}\\&+ p_{8,154} + p_{8,218} + p_{8,186} + p_{8,86} + p_{8,246} + p_{8,142} + p_{8,206} + p_{7,46}\\&+ p_{8,161} + p_{8,97} + p_{8,17} + p_{8,217} + p_{8,57} + 3p_{8,249} + p_{8,197} + p_{7,53}\\&+ p_{8,245} + p_{8,237} + 2p_{7,67} + p_{7,35} + p_{8,99} + p_{8,211} + p_{8,171} + p_{8,235}\\&+ p_{7,123} + p_{8,39} + p_{8,23} + p_{8,111} + p_{8,223} + p_{8,255})\end{aligned}}$$

$$p_{9,423} = \frac{1}{2}p_{8,167} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,167}^2 - 4(p_{8,0} + 2p_{8,96} + p_{8,144} + p_{8,208} + p_{8,200} + p_{8,232}\\&+ p_{8,248} + p_{8,196} + p_{8,164} + p_{8,228} + p_{8,20} + p_{8,84} + p_{8,204} + p_{8,28}\\&+ 2p_{8,156} + p_{8,220} + p_{8,130} + p_{7,98} + p_{8,210} + 2p_{8,170} + p_{8,106}\\&+ p_{8,154} + p_{8,218} + p_{8,186} + p_{8,86} + p_{8,246} + p_{8,142} + p_{8,206} + p_{7,46}\\&+ p_{8,161} + p_{8,97} + p_{8,17} + p_{8,217} + p_{8,57} + 3p_{8,249} + p_{8,197} + p_{7,53}\\&+ p_{8,245} + p_{8,237} + 2p_{7,67} + p_{7,35} + p_{8,99} + p_{8,211} + p_{8,171} + p_{8,235}\\&+ p_{7,123} + p_{8,39} + p_{8,23} + p_{8,111} + p_{8,223} + p_{8,255})\end{aligned}}$$

$$p_{9,103} = \frac{1}{2}p_{8,103} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,103}^2 - 4(p_{8,192} + 2p_{8,32} + p_{8,144} + p_{8,80} + p_{8,136} + p_{8,168}\\&+ p_{8,184} + p_{8,132} + p_{8,164} + p_{8,100} + p_{8,20} + p_{8,212} + p_{8,140} + p_{8,156}\\&+ 2p_{8,92} + p_{8,220} + p_{8,66} + p_{7,34} + p_{8,146} + p_{8,42} + 2p_{8,106} + p_{8,154}\\&+ p_{8,90} + p_{8,122} + p_{8,22} + p_{8,182} + p_{8,142} + p_{8,78} + p_{7,110} + p_{8,33}\\&+ p_{8,97} + p_{8,209} + p_{8,153} + 3p_{8,185} + p_{8,249} + p_{8,133} + p_{8,181} + p_{7,117}\\&+ p_{8,173} + 2p_{7,3} + p_{8,35} + p_{7,99} + p_{8,147} + p_{8,171} + p_{8,107} + p_{7,59}\\&+ p_{8,231} + p_{8,215} + p_{8,47} + p_{8,159} + p_{8,191})\end{aligned}}$$

$$p_{9,359} = \frac{1}{2}p_{8,103} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,103}^2 - 4(p_{8,192} + 2p_{8,32} + p_{8,144} + p_{8,80} + p_{8,136} + p_{8,168}\\&+ p_{8,184} + p_{8,132} + p_{8,164} + p_{8,100} + p_{8,20} + p_{8,212} + p_{8,140} + p_{8,156}\\&+ 2p_{8,92} + p_{8,220} + p_{8,66} + p_{7,34} + p_{8,146} + p_{8,42} + 2p_{8,106} + p_{8,154}\\&+ p_{8,90} + p_{8,122} + p_{8,22} + p_{8,182} + p_{8,142} + p_{8,78} + p_{7,110} + p_{8,33}\\&+ p_{8,97} + p_{8,209} + p_{8,153} + 3p_{8,185} + p_{8,249} + p_{8,133} + p_{8,181} + p_{7,117}\\&+ p_{8,173} + 2p_{7,3} + p_{8,35} + p_{7,99} + p_{8,147} + p_{8,171} + p_{8,107} + p_{7,59}\\&+ p_{8,231} + p_{8,215} + p_{8,47} + p_{8,159} + p_{8,191})\end{aligned}}$$

$$p_{9,231} = \frac{1}{2}p_{8,231} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,231}^2 - 4(p_{8,64} + 2p_{8,160} + p_{8,16} + p_{8,208} + p_{8,8} + p_{8,40}\\&+ p_{8,56} + p_{8,4} + p_{8,36} + p_{8,228} + p_{8,148} + p_{8,84} + p_{8,12} + p_{8,28}\\&+ p_{8,92} + 2p_{8,220} + p_{8,194} + p_{7,34} + p_{8,18} + p_{8,170} + 2p_{8,234} + p_{8,26}\\&+ p_{8,218} + p_{8,250} + p_{8,150} + p_{8,54} + p_{8,14} + p_{8,206} + p_{7,110} + p_{8,161}\\&+ p_{8,225} + p_{8,81} + p_{8,25} + 3p_{8,57} + p_{8,121} + p_{8,5} + p_{8,53} + p_{7,117}\\&+ p_{8,45} + 2p_{7,3} + p_{8,163} + p_{7,99} + p_{8,19} + p_{8,43} + p_{8,235} + p_{7,59}\\&+ p_{8,103} + p_{8,87} + p_{8,175} + p_{8,31} + p_{8,63})\end{aligned}}$$

$$p_{9,487} = \frac{1}{2}p_{8,231} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,231}^2 - 4(p_{8,64} + 2p_{8,160} + p_{8,16} + p_{8,208} + p_{8,8} + p_{8,40}\\&+ p_{8,56} + p_{8,4} + p_{8,36} + p_{8,228} + p_{8,148} + p_{8,84} + p_{8,12} + p_{8,28}\\&+ p_{8,92} + 2p_{8,220} + p_{8,194} + p_{7,34} + p_{8,18} + p_{8,170} + 2p_{8,234} + p_{8,26}\\&+ p_{8,218} + p_{8,250} + p_{8,150} + p_{8,54} + p_{8,14} + p_{8,206} + p_{7,110} + p_{8,161}\\&+ p_{8,225} + p_{8,81} + p_{8,25} + 3p_{8,57} + p_{8,121} + p_{8,5} + p_{8,53} + p_{7,117}\\&+ p_{8,45} + 2p_{7,3} + p_{8,163} + p_{7,99} + p_{8,19} + p_{8,43} + p_{8,235} + p_{7,59}\\&+ p_{8,103} + p_{8,87} + p_{8,175} + p_{8,31} + p_{8,63})\end{aligned}}$$

$$p_{9,23} = \frac{1}{2}p_{8,23} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,23}^2 - 4(p_{8,0} + p_{8,64} + 2p_{8,208} + p_{8,112} + p_{8,104} + p_{8,88}\\&+ p_{8,56} + p_{8,132} + p_{8,196} + p_{8,20} + p_{8,84} + p_{8,52} + 2p_{8,12} + p_{8,140}\\&+ p_{8,76} + p_{8,60} + p_{8,66} + p_{7,82} + p_{8,242} + p_{8,10} + p_{8,74} + p_{8,42}\\&+ 2p_{8,26} + p_{8,218} + p_{8,198} + p_{8,102} + p_{7,30} + p_{8,62} + p_{8,254} + p_{8,129}\\&+ p_{8,17} + p_{8,209} + p_{8,73} + p_{8,169} + 3p_{8,105} + p_{7,37} + p_{8,101} + p_{8,53}\\&+ p_{8,93} + p_{8,67} + p_{7,19} + p_{8,211} + 2p_{7,51} + p_{7,107} + p_{8,27} + p_{8,91}\\&+ p_{8,135} + p_{8,151} + p_{8,79} + p_{8,111} + p_{8,223})\end{aligned}}$$

$$p_{9,279} = \frac{1}{2}p_{8,23} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,23}^2 - 4(p_{8,0} + p_{8,64} + 2p_{8,208} + p_{8,112} + p_{8,104} + p_{8,88}\\&+ p_{8,56} + p_{8,132} + p_{8,196} + p_{8,20} + p_{8,84} + p_{8,52} + 2p_{8,12} + p_{8,140}\\&+ p_{8,76} + p_{8,60} + p_{8,66} + p_{7,82} + p_{8,242} + p_{8,10} + p_{8,74} + p_{8,42}\\&+ 2p_{8,26} + p_{8,218} + p_{8,198} + p_{8,102} + p_{7,30} + p_{8,62} + p_{8,254} + p_{8,129}\\&+ p_{8,17} + p_{8,209} + p_{8,73} + p_{8,169} + 3p_{8,105} + p_{7,37} + p_{8,101} + p_{8,53}\\&+ p_{8,93} + p_{8,67} + p_{7,19} + p_{8,211} + 2p_{7,51} + p_{7,107} + p_{8,27} + p_{8,91}\\&+ p_{8,135} + p_{8,151} + p_{8,79} + p_{8,111} + p_{8,223})\end{aligned}}$$

$$p_{9,151} = \frac{1}{2}p_{8,151} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,151}^2 - 4(p_{8,128} + p_{8,192} + 2p_{8,80} + p_{8,240} + p_{8,232} + p_{8,216}\\&+ p_{8,184} + p_{8,4} + p_{8,68} + p_{8,148} + p_{8,212} + p_{8,180} + p_{8,12} + 2p_{8,140}\\&+ p_{8,204} + p_{8,188} + p_{8,194} + p_{7,82} + p_{8,114} + p_{8,138} + p_{8,202} + p_{8,170}\\&+ 2p_{8,154} + p_{8,90} + p_{8,70} + p_{8,230} + p_{7,30} + p_{8,190} + p_{8,126} + p_{8,1}\\&+ p_{8,145} + p_{8,81} + p_{8,201} + p_{8,41} + 3p_{8,233} + p_{7,37} + p_{8,229} + p_{8,181}\\&+ p_{8,221} + p_{8,195} + p_{7,19} + p_{8,83} + 2p_{7,51} + p_{7,107} + p_{8,155} + p_{8,219}\\&+ p_{8,7} + p_{8,23} + p_{8,207} + p_{8,239} + p_{8,95})\end{aligned}}$$

$$p_{9,407} = \frac{1}{2}p_{8,151} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,151}^2 - 4(p_{8,128} + p_{8,192} + 2p_{8,80} + p_{8,240} + p_{8,232} + p_{8,216}\\&+ p_{8,184} + p_{8,4} + p_{8,68} + p_{8,148} + p_{8,212} + p_{8,180} + p_{8,12} + 2p_{8,140}\\&+ p_{8,204} + p_{8,188} + p_{8,194} + p_{7,82} + p_{8,114} + p_{8,138} + p_{8,202} + p_{8,170}\\&+ 2p_{8,154} + p_{8,90} + p_{8,70} + p_{8,230} + p_{7,30} + p_{8,190} + p_{8,126} + p_{8,1}\\&+ p_{8,145} + p_{8,81} + p_{8,201} + p_{8,41} + 3p_{8,233} + p_{7,37} + p_{8,229} + p_{8,181}\\&+ p_{8,221} + p_{8,195} + p_{7,19} + p_{8,83} + 2p_{7,51} + p_{7,107} + p_{8,155} + p_{8,219}\\&+ p_{8,7} + p_{8,23} + p_{8,207} + p_{8,239} + p_{8,95})\end{aligned}}$$

$$p_{9,87} = \frac{1}{2}p_{8,87} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,87}^2 - 4(p_{8,128} + p_{8,64} + 2p_{8,16} + p_{8,176} + p_{8,168} + p_{8,152}\\&+ p_{8,120} + p_{8,4} + p_{8,196} + p_{8,148} + p_{8,84} + p_{8,116} + p_{8,140} + 2p_{8,76}\\&+ p_{8,204} + p_{8,124} + p_{8,130} + p_{7,18} + p_{8,50} + p_{8,138} + p_{8,74} + p_{8,106}\\&+ p_{8,26} + 2p_{8,90} + p_{8,6} + p_{8,166} + p_{7,94} + p_{8,62} + p_{8,126} + p_{8,193}\\&+ p_{8,17} + p_{8,81} + p_{8,137} + 3p_{8,169} + p_{8,233} + p_{8,165} + p_{7,101} + p_{8,117}\\&+ p_{8,157} + p_{8,131} + p_{8,19} + p_{7,83} + 2p_{7,115} + p_{7,43} + p_{8,155} + p_{8,91}\\&+ p_{8,199} + p_{8,215} + p_{8,143} + p_{8,175} + p_{8,31})\end{aligned}}$$

$$p_{9,343} = \frac{1}{2}p_{8,87} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,87}^2 - 4(p_{8,128} + p_{8,64} + 2p_{8,16} + p_{8,176} + p_{8,168} + p_{8,152}\\ &+ p_{8,120} + p_{8,4} + p_{8,196} + p_{8,148} + p_{8,84} + p_{8,116} + p_{8,140} + 2p_{8,76}\\ &+ p_{8,204} + p_{8,124} + p_{8,130} + p_{7,18} + p_{8,50} + p_{8,138} + p_{8,74} + p_{8,106}\\ &+ p_{8,26} + 2p_{8,90} + p_{8,6} + p_{8,166} + p_{7,94} + p_{8,62} + p_{8,126} + p_{8,193}\\ &+ p_{8,17} + p_{8,81} + p_{8,137} + 3p_{8,169} + p_{8,233} + p_{8,165} + p_{7,101} + p_{8,117}\\ &+ p_{8,157} + p_{8,131} + p_{8,19} + p_{7,83} + 2p_{7,115} + p_{7,43} + p_{8,155} + p_{8,91}\\ &+ p_{8,199} + p_{8,215} + p_{8,143} + p_{8,175} + p_{8,31})\end{aligned}}$$

$$p_{9,215} = \frac{1}{2}p_{8,215} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,215}^2 - 4(p_{8,0} + p_{8,192} + 2p_{8,144} + p_{8,48} + p_{8,40} + p_{8,24}\\ &+ p_{8,248} + p_{8,132} + p_{8,68} + p_{8,20} + p_{8,212} + p_{8,244} + p_{8,12} + p_{8,76}\\ &+ 2p_{8,204} + p_{8,252} + p_{8,2} + p_{7,18} + p_{8,178} + p_{8,10} + p_{8,202} + p_{8,234}\\ &+ p_{8,154} + 2p_{8,218} + p_{8,134} + p_{8,38} + p_{7,94} + p_{8,190} + p_{8,254} + p_{8,65}\\ &+ p_{8,145} + p_{8,209} + p_{8,9} + 3p_{8,41} + p_{8,105} + p_{8,37} + p_{7,101} + p_{8,245}\\ &+ p_{8,29} + p_{8,3} + p_{8,147} + p_{7,83} + 2p_{7,115} + p_{7,43} + p_{8,27} + p_{8,219}\\ &+ p_{8,71} + p_{8,87} + p_{8,15} + p_{8,47} + p_{8,159})\end{aligned}}$$

$$p_{9,471} = \frac{1}{2}p_{8,215} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,215}^2 - 4(p_{8,0} + p_{8,192} + 2p_{8,144} + p_{8,48} + p_{8,40} + p_{8,24}\\ &+ p_{8,248} + p_{8,132} + p_{8,68} + p_{8,20} + p_{8,212} + p_{8,244} + p_{8,12} + p_{8,76}\\ &+ 2p_{8,204} + p_{8,252} + p_{8,2} + p_{7,18} + p_{8,178} + p_{8,10} + p_{8,202} + p_{8,234}\\ &+ p_{8,154} + 2p_{8,218} + p_{8,134} + p_{8,38} + p_{7,94} + p_{8,190} + p_{8,254} + p_{8,65}\\ &+ p_{8,145} + p_{8,209} + p_{8,9} + 3p_{8,41} + p_{8,105} + p_{8,37} + p_{7,101} + p_{8,245}\\ &+ p_{8,29} + p_{8,3} + p_{8,147} + p_{7,83} + 2p_{7,115} + p_{7,43} + p_{8,27} + p_{8,219}\\ &+ p_{8,71} + p_{8,87} + p_{8,15} + p_{8,47} + p_{8,159})\end{aligned}}$$

$$p_{9,55} = \frac{1}{2}p_{8,55} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,55}^2 - 4(p_{8,32} + p_{8,96} + p_{8,144} + 2p_{8,240} + p_{8,136} + p_{8,88}\\ &+ p_{8,120} + p_{8,164} + p_{8,228} + p_{8,84} + p_{8,52} + p_{8,116} + 2p_{8,44} + p_{8,172}\\ &+ p_{8,108} + p_{8,92} + p_{8,98} + p_{8,18} + p_{7,114} + p_{8,74} + p_{8,42} + p_{8,106}\\ &+ 2p_{8,58} + p_{8,250} + p_{8,134} + p_{8,230} + p_{8,30} + p_{8,94} + p_{7,62} + p_{8,161}\\ &+ p_{8,49} + p_{8,241} + 3p_{8,137} + p_{8,201} + p_{8,105} + p_{8,133} + p_{7,69} + p_{8,85}\\ &+ p_{8,125} + p_{8,99} + 2p_{7,83} + p_{7,51} + p_{8,243} + p_{7,11} + p_{8,59} + p_{8,123}\\ &+ p_{8,167} + p_{8,183} + p_{8,143} + p_{8,111} + p_{8,255})\end{aligned}}$$

$$p_{9,311} = \frac{1}{2}p_{8,55} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,55}^2 - 4(p_{8,32} + p_{8,96} + p_{8,144} + 2p_{8,240} + p_{8,136} + p_{8,88}\\ &+ p_{8,120} + p_{8,164} + p_{8,228} + p_{8,84} + p_{8,52} + p_{8,116} + 2p_{8,44} + p_{8,172}\\ &+ p_{8,108} + p_{8,92} + p_{8,98} + p_{8,18} + p_{7,114} + p_{8,74} + p_{8,42} + p_{8,106}\\ &+ 2p_{8,58} + p_{8,250} + p_{8,134} + p_{8,230} + p_{8,30} + p_{8,94} + p_{7,62} + p_{8,161}\\ &+ p_{8,49} + p_{8,241} + 3p_{8,137} + p_{8,201} + p_{8,105} + p_{8,133} + p_{7,69} + p_{8,85}\\ &+ p_{8,125} + p_{8,99} + 2p_{7,83} + p_{7,51} + p_{8,243} + p_{7,11} + p_{8,59} + p_{8,123}\\ &+ p_{8,167} + p_{8,183} + p_{8,143} + p_{8,111} + p_{8,255})\end{aligned}}$$

$$p_{9,183} = \frac{1}{2}p_{8,183} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,183}^2 - 4(p_{8,160} + p_{8,224} + p_{8,16} + 2p_{8,112} + p_{8,8} + p_{8,216}\\&+ p_{8,248} + p_{8,36} + p_{8,100} + p_{8,212} + p_{8,180} + p_{8,244} + p_{8,44} + 2p_{8,172}\\&+ p_{8,236} + p_{8,220} + p_{8,226} + p_{8,146} + p_{7,114} + p_{8,202} + p_{8,170}\\&+ p_{8,234} + 2p_{8,186} + p_{8,122} + p_{8,6} + p_{8,102} + p_{8,158} + p_{8,222} + p_{7,62}\\&+ p_{8,33} + p_{8,177} + p_{8,113} + 3p_{8,9} + p_{8,73} + p_{8,233} + p_{8,5} + p_{7,69}\\&+ p_{8,213} + p_{8,253} + p_{8,227} + 2p_{7,83} + p_{7,51} + p_{8,115} + p_{7,11} + p_{8,187}\\&+ p_{8,251} + p_{8,39} + p_{8,55} + p_{8,15} + p_{8,239} + p_{8,127})\end{aligned}}$$

$$p_{9,439} = \frac{1}{2}p_{8,183} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,183}^2 - 4(p_{8,160} + p_{8,224} + p_{8,16} + 2p_{8,112} + p_{8,8} + p_{8,216}\\&+ p_{8,248} + p_{8,36} + p_{8,100} + p_{8,212} + p_{8,180} + p_{8,244} + p_{8,44} + 2p_{8,172}\\&+ p_{8,236} + p_{8,220} + p_{8,226} + p_{8,146} + p_{7,114} + p_{8,202} + p_{8,170}\\&+ p_{8,234} + 2p_{8,186} + p_{8,122} + p_{8,6} + p_{8,102} + p_{8,158} + p_{8,222} + p_{7,62}\\&+ p_{8,33} + p_{8,177} + p_{8,113} + 3p_{8,9} + p_{8,73} + p_{8,233} + p_{8,5} + p_{7,69}\\&+ p_{8,213} + p_{8,253} + p_{8,227} + 2p_{7,83} + p_{7,51} + p_{8,115} + p_{7,11} + p_{8,187}\\&+ p_{8,251} + p_{8,39} + p_{8,55} + p_{8,15} + p_{8,239} + p_{8,127})\end{aligned}}$$

$$p_{9,119} = \frac{1}{2}p_{8,119} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,119}^2 - 4(p_{8,160} + p_{8,96} + p_{8,208} + 2p_{8,48} + p_{8,200} + p_{8,152}\\&+ p_{8,184} + p_{8,36} + p_{8,228} + p_{8,148} + p_{8,180} + p_{8,116} + p_{8,172} + 2p_{8,108}\\&+ p_{8,236} + p_{8,156} + p_{8,162} + p_{8,82} + p_{7,50} + p_{8,138} + p_{8,170} + p_{8,106}\\&+ p_{8,58} + 2p_{8,122} + p_{8,198} + p_{8,38} + p_{8,158} + p_{8,94} + p_{7,126} + p_{8,225}\\&+ p_{8,49} + p_{8,113} + p_{8,9} + 3p_{8,201} + p_{8,169} + p_{7,5} + p_{8,197} + p_{8,149}\\&+ p_{8,189} + p_{8,163} + 2p_{7,19} + p_{8,51} + p_{7,115} + p_{7,75} + p_{8,187} + p_{8,123}\\&+ p_{8,231} + p_{8,247} + p_{8,207} + p_{8,175} + p_{8,63})\end{aligned}}$$

$$p_{9,375} = \frac{1}{2}p_{8,119} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,119}^2 - 4(p_{8,160} + p_{8,96} + p_{8,208} + 2p_{8,48} + p_{8,200} + p_{8,152}\\&+ p_{8,184} + p_{8,36} + p_{8,228} + p_{8,148} + p_{8,180} + p_{8,116} + p_{8,172} + 2p_{8,108}\\&+ p_{8,236} + p_{8,156} + p_{8,162} + p_{8,82} + p_{7,50} + p_{8,138} + p_{8,170} + p_{8,106}\\&+ p_{8,58} + 2p_{8,122} + p_{8,198} + p_{8,38} + p_{8,158} + p_{8,94} + p_{7,126} + p_{8,225}\\&+ p_{8,49} + p_{8,113} + p_{8,9} + 3p_{8,201} + p_{8,169} + p_{7,5} + p_{8,197} + p_{8,149}\\&+ p_{8,189} + p_{8,163} + 2p_{7,19} + p_{8,51} + p_{7,115} + p_{7,75} + p_{8,187} + p_{8,123}\\&+ p_{8,231} + p_{8,247} + p_{8,207} + p_{8,175} + p_{8,63})\end{aligned}}$$

$$p_{9,247} = \frac{1}{2}p_{8,247} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,247}^2 - 4(p_{8,32} + p_{8,224} + p_{8,80} + 2p_{8,176} + p_{8,72} + p_{8,24}\\&+ p_{8,56} + p_{8,164} + p_{8,100} + p_{8,20} + p_{8,52} + p_{8,244} + p_{8,44} + p_{8,108}\\&+ 2p_{8,236} + p_{8,28} + p_{8,34} + p_{8,210} + p_{7,50} + p_{8,10} + p_{8,42} + p_{8,234}\\&+ p_{8,186} + 2p_{8,250} + p_{8,70} + p_{8,166} + p_{8,30} + p_{8,222} + p_{7,126} + p_{8,97}\\&+ p_{8,177} + p_{8,241} + p_{8,137} + 3p_{8,73} + p_{8,41} + p_{7,5} + p_{8,69} + p_{8,21}\\&+ p_{8,61} + p_{8,35} + 2p_{7,19} + p_{8,179} + p_{7,115} + p_{7,75} + p_{8,59} + p_{8,251}\\&+ p_{8,103} + p_{8,119} + p_{8,79} + p_{8,47} + p_{8,191})\end{aligned}}$$

$$p_{9,503} = \frac{1}{2}p_{8,247} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,247}^2 - 4(p_{8,32} + p_{8,224} + p_{8,80} + 2p_{8,176} + p_{8,72} + p_{8,24}\\ &+ p_{8,56} + p_{8,164} + p_{8,100} + p_{8,20} + p_{8,52} + p_{8,244} + p_{8,44} + p_{8,108}\\ &+ 2p_{8,236} + p_{8,28} + p_{8,34} + p_{8,210} + p_{7,50} + p_{8,10} + p_{8,42} + p_{8,234}\\ &+ p_{8,186} + 2p_{8,250} + p_{8,70} + p_{8,166} + p_{8,30} + p_{8,222} + p_{7,126} + p_{8,97}\\ &+ p_{8,177} + p_{8,241} + p_{8,137} + 3p_{8,73} + p_{8,41} + p_{7,5} + p_{8,69} + p_{8,21}\\ &+ p_{8,61} + p_{8,35} + 2p_{7,19} + p_{8,179} + p_{7,115} + p_{7,75} + p_{8,59} + p_{8,251}\\ &+ p_{8,103} + p_{8,119} + p_{8,79} + p_{8,47} + p_{8,191})\end{aligned}}$$

$$p_{9,15} = \frac{1}{2}p_{8,15} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,15}^2 - 4(p_{8,96} + p_{8,80} + p_{8,48} + 2p_{8,200} + p_{8,104} + p_{8,56}\\ &+ p_{8,248} + 2p_{8,4} + p_{8,132} + p_{8,68} + p_{8,52} + p_{8,12} + p_{8,76} + p_{8,44}\\ &+ p_{8,188} + p_{8,124} + p_{8,2} + p_{8,66} + p_{8,34} + 2p_{8,18} + p_{8,210} + p_{7,74}\\ &+ p_{8,234} + p_{8,58} + p_{7,22} + p_{8,54} + p_{8,246} + p_{8,94} + p_{8,190} + p_{8,65}\\ &+ p_{8,161} + 3p_{8,97} + p_{8,9} + p_{8,201} + p_{8,121} + p_{8,85} + p_{8,45} + p_{7,29}\\ &+ p_{8,93} + p_{7,99} + p_{8,19} + p_{8,83} + p_{7,11} + p_{8,203} + 2p_{7,43} + p_{8,59}\\ &+ p_{8,71} + p_{8,103} + p_{8,215} + p_{8,143} + p_{8,127})\end{aligned}}$$

$$p_{9,271} = \frac{1}{2}p_{8,15} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,15}^2 - 4(p_{8,96} + p_{8,80} + p_{8,48} + 2p_{8,200} + p_{8,104} + p_{8,56}\\ &+ p_{8,248} + 2p_{8,4} + p_{8,132} + p_{8,68} + p_{8,52} + p_{8,12} + p_{8,76} + p_{8,44}\\ &+ p_{8,188} + p_{8,124} + p_{8,2} + p_{8,66} + p_{8,34} + 2p_{8,18} + p_{8,210} + p_{7,74}\\ &+ p_{8,234} + p_{8,58} + p_{7,22} + p_{8,54} + p_{8,246} + p_{8,94} + p_{8,190} + p_{8,65}\\ &+ p_{8,161} + 3p_{8,97} + p_{8,9} + p_{8,201} + p_{8,121} + p_{8,85} + p_{8,45} + p_{7,29}\\ &+ p_{8,93} + p_{7,99} + p_{8,19} + p_{8,83} + p_{7,11} + p_{8,203} + 2p_{7,43} + p_{8,59}\\ &+ p_{8,71} + p_{8,103} + p_{8,215} + p_{8,143} + p_{8,127})\end{aligned}}$$

$$p_{9,143} = \frac{1}{2}p_{8,143} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,143}^2 - 4(p_{8,224} + p_{8,208} + p_{8,176} + 2p_{8,72} + p_{8,232} + p_{8,184}\\ &+ p_{8,120} + p_{8,4} + 2p_{8,132} + p_{8,196} + p_{8,180} + p_{8,140} + p_{8,204} + p_{8,172}\\ &+ p_{8,60} + p_{8,252} + p_{8,130} + p_{8,194} + p_{8,162} + 2p_{8,146} + p_{8,82} + p_{7,74}\\ &+ p_{8,106} + p_{8,186} + p_{7,22} + p_{8,182} + p_{8,118} + p_{8,222} + p_{8,62} + p_{8,193}\\ &+ p_{8,33} + 3p_{8,225} + p_{8,137} + p_{8,73} + p_{8,249} + p_{8,213} + p_{8,173} + p_{7,29}\\ &+ p_{8,221} + p_{7,99} + p_{8,147} + p_{8,211} + p_{7,11} + p_{8,75} + 2p_{7,43} + p_{8,187}\\ &+ p_{8,199} + p_{8,231} + p_{8,87} + p_{8,15} + p_{8,255})\end{aligned}}$$

$$p_{9,399} = \frac{1}{2}p_{8,143} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,143}^2 - 4(p_{8,224} + p_{8,208} + p_{8,176} + 2p_{8,72} + p_{8,232} + p_{8,184}\\ &+ p_{8,120} + p_{8,4} + 2p_{8,132} + p_{8,196} + p_{8,180} + p_{8,140} + p_{8,204} + p_{8,172}\\ &+ p_{8,60} + p_{8,252} + p_{8,130} + p_{8,194} + p_{8,162} + 2p_{8,146} + p_{8,82} + p_{7,74}\\ &+ p_{8,106} + p_{8,186} + p_{7,22} + p_{8,182} + p_{8,118} + p_{8,222} + p_{8,62} + p_{8,193}\\ &+ p_{8,33} + 3p_{8,225} + p_{8,137} + p_{8,73} + p_{8,249} + p_{8,213} + p_{8,173} + p_{7,29}\\ &+ p_{8,221} + p_{7,99} + p_{8,147} + p_{8,211} + p_{7,11} + p_{8,75} + 2p_{7,43} + p_{8,187}\\ &+ p_{8,199} + p_{8,231} + p_{8,87} + p_{8,15} + p_{8,255})\end{aligned}}$$

$$p_{9,79} = \frac{1}{2}p_{8,79} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,79}^2 - 4(p_{8,160} + p_{8,144} + p_{8,112} + 2p_{8,8} + p_{8,168} + p_{8,56}\\ &+ p_{8,120} + p_{8,132} + 2p_{8,68} + p_{8,196} + p_{8,116} + p_{8,140} + p_{8,76} + p_{8,108}\\ &+ p_{8,188} + p_{8,252} + p_{8,130} + p_{8,66} + p_{8,98} + p_{8,18} + 2p_{8,82} + p_{7,10}\\ &+ p_{8,42} + p_{8,122} + p_{7,86} + p_{8,54} + p_{8,118} + p_{8,158} + p_{8,254} + p_{8,129}\\ &+ 3p_{8,161} + p_{8,225} + p_{8,9} + p_{8,73} + p_{8,185} + p_{8,149} + p_{8,109} + p_{8,157}\\ &+ p_{7,93} + p_{7,35} + p_{8,147} + p_{8,83} + p_{8,11} + p_{7,75} + 2p_{7,107} + p_{8,123}\\ &+ p_{8,135} + p_{8,167} + p_{8,23} + p_{8,207} + p_{8,191})\end{aligned}}$$

$$p_{9,335} = \frac{1}{2}p_{8,79} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,79}^2 - 4(p_{8,160} + p_{8,144} + p_{8,112} + 2p_{8,8} + p_{8,168} + p_{8,56}\\ &+ p_{8,120} + p_{8,132} + 2p_{8,68} + p_{8,196} + p_{8,116} + p_{8,140} + p_{8,76} + p_{8,108}\\ &+ p_{8,188} + p_{8,252} + p_{8,130} + p_{8,66} + p_{8,98} + p_{8,18} + 2p_{8,82} + p_{7,10}\\ &+ p_{8,42} + p_{8,122} + p_{7,86} + p_{8,54} + p_{8,118} + p_{8,158} + p_{8,254} + p_{8,129}\\ &+ 3p_{8,161} + p_{8,225} + p_{8,9} + p_{8,73} + p_{8,185} + p_{8,149} + p_{8,109} + p_{8,157}\\ &+ p_{7,93} + p_{7,35} + p_{8,147} + p_{8,83} + p_{8,11} + p_{7,75} + 2p_{7,107} + p_{8,123}\\ &+ p_{8,135} + p_{8,167} + p_{8,23} + p_{8,207} + p_{8,191})\end{aligned}}$$

$$p_{9,207} = \frac{1}{2}p_{8,207} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,207}^2 - 4(p_{8,32} + p_{8,16} + p_{8,240} + 2p_{8,136} + p_{8,40} + p_{8,184}\\ &+ p_{8,248} + p_{8,4} + p_{8,68} + 2p_{8,196} + p_{8,244} + p_{8,12} + p_{8,204} + p_{8,236}\\ &+ p_{8,60} + p_{8,124} + p_{8,2} + p_{8,194} + p_{8,226} + p_{8,146} + 2p_{8,210} + p_{7,10}\\ &+ p_{8,170} + p_{8,250} + p_{7,86} + p_{8,182} + p_{8,246} + p_{8,30} + p_{8,126} + p_{8,1}\\ &+ 3p_{8,33} + p_{8,97} + p_{8,137} + p_{8,201} + p_{8,57} + p_{8,21} + p_{8,237} + p_{8,29}\\ &+ p_{7,93} + p_{7,35} + p_{8,19} + p_{8,211} + p_{8,139} + p_{7,75} + 2p_{7,107} + p_{8,251}\\ &+ p_{8,7} + p_{8,39} + p_{8,151} + p_{8,79} + p_{8,63})\end{aligned}}$$

$$p_{9,463} = \frac{1}{2}p_{8,207} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,207}^2 - 4(p_{8,32} + p_{8,16} + p_{8,240} + 2p_{8,136} + p_{8,40} + p_{8,184}\\ &+ p_{8,248} + p_{8,4} + p_{8,68} + 2p_{8,196} + p_{8,244} + p_{8,12} + p_{8,204} + p_{8,236}\\ &+ p_{8,60} + p_{8,124} + p_{8,2} + p_{8,194} + p_{8,226} + p_{8,146} + 2p_{8,210} + p_{7,10}\\ &+ p_{8,170} + p_{8,250} + p_{7,86} + p_{8,182} + p_{8,246} + p_{8,30} + p_{8,126} + p_{8,1}\\ &+ 3p_{8,33} + p_{8,97} + p_{8,137} + p_{8,201} + p_{8,57} + p_{8,21} + p_{8,237} + p_{8,29}\\ &+ p_{7,93} + p_{7,35} + p_{8,19} + p_{8,211} + p_{8,139} + p_{7,75} + 2p_{7,107} + p_{8,251}\\ &+ p_{8,7} + p_{8,39} + p_{8,151} + p_{8,79} + p_{8,63})\end{aligned}}$$

$$p_{9,47} = \frac{1}{2}p_{8,47} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,47}^2 - 4(p_{8,128} + p_{8,80} + p_{8,112} + p_{8,136} + 2p_{8,232} + p_{8,24}\\ &+ p_{8,88} + 2p_{8,36} + p_{8,164} + p_{8,100} + p_{8,84} + p_{8,76} + p_{8,44} + p_{8,108}\\ &+ p_{8,156} + p_{8,220} + p_{8,66} + p_{8,34} + p_{8,98} + 2p_{8,50} + p_{8,242} + p_{8,10}\\ &+ p_{7,106} + p_{8,90} + p_{8,22} + p_{8,86} + p_{7,54} + p_{8,222} + p_{8,126} + 3p_{8,129}\\ &+ p_{8,193} + p_{8,97} + p_{8,41} + p_{8,233} + p_{8,153} + p_{8,117} + p_{8,77} + p_{7,61}\\ &+ p_{8,125} + p_{7,3} + p_{8,51} + p_{8,115} + 2p_{7,75} + p_{7,43} + p_{8,235} + p_{8,91}\\ &+ p_{8,135} + p_{8,103} + p_{8,247} + p_{8,175} + p_{8,159})\end{aligned}}$$

$$p_{9,303} = \frac{1}{2}p_{8,47} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,47}^2 - 4(p_{8,128} + p_{8,80} + p_{8,112} + p_{8,136} + 2p_{8,232} + p_{8,24}\\ &+ p_{8,88} + 2p_{8,36} + p_{8,164} + p_{8,100} + p_{8,84} + p_{8,76} + p_{8,44} + p_{8,108}\\ &+ p_{8,156} + p_{8,220} + p_{8,66} + p_{8,34} + p_{8,98} + 2p_{8,50} + p_{8,242} + p_{8,10}\\ &+ p_{7,106} + p_{8,90} + p_{8,22} + p_{8,86} + p_{7,54} + p_{8,222} + p_{8,126} + 3p_{8,129}\\ &+ p_{8,193} + p_{8,97} + p_{8,41} + p_{8,233} + p_{8,153} + p_{8,117} + p_{8,77} + p_{7,61}\\ &+ p_{8,125} + p_{7,3} + p_{8,51} + p_{8,115} + 2p_{7,75} + p_{7,43} + p_{8,235} + p_{8,91}\\ &+ p_{8,135} + p_{8,103} + p_{8,247} + p_{8,175} + p_{8,159})\end{aligned}}$$

$$p_{9,175} = \frac{1}{2}p_{8,175} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,175}^2 - 4(p_{8,0} + p_{8,208} + p_{8,240} + p_{8,8} + 2p_{8,104} + p_{8,152}\\ &+ p_{8,216} + p_{8,36} + 2p_{8,164} + p_{8,228} + p_{8,212} + p_{8,204} + p_{8,172}\\ &+ p_{8,236} + p_{8,28} + p_{8,92} + p_{8,194} + p_{8,162} + p_{8,226} + 2p_{8,178} + p_{8,114}\\ &+ p_{8,138} + p_{7,106} + p_{8,218} + p_{8,150} + p_{8,214} + p_{7,54} + p_{8,94} + p_{8,254}\\ &+ 3p_{8,1} + p_{8,65} + p_{8,225} + p_{8,169} + p_{8,105} + p_{8,25} + p_{8,245} + p_{8,205}\\ &+ p_{7,61} + p_{8,253} + p_{7,3} + p_{8,179} + p_{8,243} + 2p_{7,75} + p_{7,43} + p_{8,107}\\ &+ p_{8,219} + p_{8,7} + p_{8,231} + p_{8,119} + p_{8,47} + p_{8,31})\end{aligned}}$$

$$p_{9,431} = \frac{1}{2}p_{8,175} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,175}^2 - 4(p_{8,0} + p_{8,208} + p_{8,240} + p_{8,8} + 2p_{8,104} + p_{8,152}\\ &+ p_{8,216} + p_{8,36} + 2p_{8,164} + p_{8,228} + p_{8,212} + p_{8,204} + p_{8,172}\\ &+ p_{8,236} + p_{8,28} + p_{8,92} + p_{8,194} + p_{8,162} + p_{8,226} + 2p_{8,178} + p_{8,114}\\ &+ p_{8,138} + p_{7,106} + p_{8,218} + p_{8,150} + p_{8,214} + p_{7,54} + p_{8,94} + p_{8,254}\\ &+ 3p_{8,1} + p_{8,65} + p_{8,225} + p_{8,169} + p_{8,105} + p_{8,25} + p_{8,245} + p_{8,205}\\ &+ p_{7,61} + p_{8,253} + p_{7,3} + p_{8,179} + p_{8,243} + 2p_{7,75} + p_{7,43} + p_{8,107}\\ &+ p_{8,219} + p_{8,7} + p_{8,231} + p_{8,119} + p_{8,47} + p_{8,31})\end{aligned}}$$

$$p_{9,111} = \frac{1}{2}p_{8,111} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,111}^2 - 4(p_{8,192} + p_{8,144} + p_{8,176} + p_{8,200} + 2p_{8,40} + p_{8,152}\\ &+ p_{8,88} + p_{8,164} + 2p_{8,100} + p_{8,228} + p_{8,148} + p_{8,140} + p_{8,172} + p_{8,108}\\ &+ p_{8,28} + p_{8,220} + p_{8,130} + p_{8,162} + p_{8,98} + p_{8,50} + 2p_{8,114} + p_{8,74}\\ &+ p_{7,42} + p_{8,154} + p_{8,150} + p_{8,86} + p_{7,118} + p_{8,30} + p_{8,190} + p_{8,1}\\ &+ 3p_{8,193} + p_{8,161} + p_{8,41} + p_{8,105} + p_{8,217} + p_{8,181} + p_{8,141} + p_{8,189}\\ &+ p_{7,125} + p_{7,67} + p_{8,179} + p_{8,115} + 2p_{7,11} + p_{8,43} + p_{7,107} + p_{8,155}\\ &+ p_{8,199} + p_{8,167} + p_{8,55} + p_{8,239} + p_{8,223})\end{aligned}}$$

$$p_{9,367} = \frac{1}{2}p_{8,111} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,111}^2 - 4(p_{8,192} + p_{8,144} + p_{8,176} + p_{8,200} + 2p_{8,40} + p_{8,152}\\ &+ p_{8,88} + p_{8,164} + 2p_{8,100} + p_{8,228} + p_{8,148} + p_{8,140} + p_{8,172} + p_{8,108}\\ &+ p_{8,28} + p_{8,220} + p_{8,130} + p_{8,162} + p_{8,98} + p_{8,50} + 2p_{8,114} + p_{8,74}\\ &+ p_{7,42} + p_{8,154} + p_{8,150} + p_{8,86} + p_{7,118} + p_{8,30} + p_{8,190} + p_{8,1}\\ &+ 3p_{8,193} + p_{8,161} + p_{8,41} + p_{8,105} + p_{8,217} + p_{8,181} + p_{8,141} + p_{8,189}\\ &+ p_{7,125} + p_{7,67} + p_{8,179} + p_{8,115} + 2p_{7,11} + p_{8,43} + p_{7,107} + p_{8,155}\\ &+ p_{8,199} + p_{8,167} + p_{8,55} + p_{8,239} + p_{8,223})\end{aligned}}$$

$$p_{9,239} = \frac{1}{2}p_{8,239} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,239}^2 - 4(p_{8,64} + p_{8,16} + p_{8,48} + p_{8,72} + 2p_{8,168} + p_{8,24}\\ &+ p_{8,216} + p_{8,36} + p_{8,100} + 2p_{8,228} + p_{8,20} + p_{8,12} + p_{8,44} + p_{8,236}\\ &+ p_{8,156} + p_{8,92} + p_{8,2} + p_{8,34} + p_{8,226} + p_{8,178} + 2p_{8,242} + p_{8,202}\\ &+ p_{7,42} + p_{8,26} + p_{8,22} + p_{8,214} + p_{7,118} + p_{8,158} + p_{8,62} + p_{8,129}\\ &+ 3p_{8,65} + p_{8,33} + p_{8,169} + p_{8,233} + p_{8,89} + p_{8,53} + p_{8,13} + p_{8,61}\\ &+ p_{7,125} + p_{7,67} + p_{8,51} + p_{8,243} + 2p_{7,11} + p_{8,171} + p_{7,107} + p_{8,27}\\ &+ p_{8,71} + p_{8,39} + p_{8,183} + p_{8,111} + p_{8,95})\end{aligned}}$$

$$p_{9,495} = \frac{1}{2}p_{8,239} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,239}^2 - 4(p_{8,64} + p_{8,16} + p_{8,48} + p_{8,72} + 2p_{8,168} + p_{8,24}\\ &+ p_{8,216} + p_{8,36} + p_{8,100} + 2p_{8,228} + p_{8,20} + p_{8,12} + p_{8,44} + p_{8,236}\\ &+ p_{8,156} + p_{8,92} + p_{8,2} + p_{8,34} + p_{8,226} + p_{8,178} + 2p_{8,242} + p_{8,202}\\ &+ p_{7,42} + p_{8,26} + p_{8,22} + p_{8,214} + p_{7,118} + p_{8,158} + p_{8,62} + p_{8,129}\\ &+ 3p_{8,65} + p_{8,33} + p_{8,169} + p_{8,233} + p_{8,89} + p_{8,53} + p_{8,13} + p_{8,61}\\ &+ p_{7,125} + p_{7,67} + p_{8,51} + p_{8,243} + 2p_{7,11} + p_{8,171} + p_{7,107} + p_{8,27}\\ &+ p_{8,71} + p_{8,39} + p_{8,183} + p_{8,111} + p_{8,95})\end{aligned}}$$

$$p_{9,31} = \frac{1}{2}p_{8,31} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,31}^2 - 4(p_{8,64} + p_{8,96} + p_{8,112} + p_{8,8} + p_{8,72} + 2p_{8,216}\\ &+ p_{8,120} + p_{8,68} + 2p_{8,20} + p_{8,148} + p_{8,84} + p_{8,140} + p_{8,204} + p_{8,28}\\ &+ p_{8,92} + p_{8,60} + 2p_{8,34} + p_{8,226} + p_{8,18} + p_{8,82} + p_{8,50} + p_{8,74}\\ &+ p_{7,90} + p_{8,250} + p_{8,6} + p_{8,70} + p_{7,38} + p_{8,206} + p_{8,110} + p_{8,81}\\ &+ p_{8,177} + 3p_{8,113} + p_{8,137} + p_{8,25} + p_{8,217} + p_{8,101} + p_{7,45}\\ &+ p_{8,109} + p_{8,61} + p_{8,35} + p_{8,99} + p_{7,115} + p_{8,75} + p_{7,27} + p_{8,219}\\ &+ 2p_{7,59} + p_{8,231} + p_{8,87} + p_{8,119} + p_{8,143} + p_{8,159})\end{aligned}}$$

$$p_{9,287} = \frac{1}{2}p_{8,31} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,31}^2 - 4(p_{8,64} + p_{8,96} + p_{8,112} + p_{8,8} + p_{8,72} + 2p_{8,216}\\ &+ p_{8,120} + p_{8,68} + 2p_{8,20} + p_{8,148} + p_{8,84} + p_{8,140} + p_{8,204} + p_{8,28}\\ &+ p_{8,92} + p_{8,60} + 2p_{8,34} + p_{8,226} + p_{8,18} + p_{8,82} + p_{8,50} + p_{8,74}\\ &+ p_{7,90} + p_{8,250} + p_{8,6} + p_{8,70} + p_{7,38} + p_{8,206} + p_{8,110} + p_{8,81}\\ &+ p_{8,177} + 3p_{8,113} + p_{8,137} + p_{8,25} + p_{8,217} + p_{8,101} + p_{7,45}\\ &+ p_{8,109} + p_{8,61} + p_{8,35} + p_{8,99} + p_{7,115} + p_{8,75} + p_{7,27} + p_{8,219}\\ &+ 2p_{7,59} + p_{8,231} + p_{8,87} + p_{8,119} + p_{8,143} + p_{8,159})\end{aligned}}$$

$$p_{9,159} = \frac{1}{2}p_{8,159} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,159}^2 - 4(p_{8,192} + p_{8,224} + p_{8,240} + p_{8,136} + p_{8,200} + 2p_{8,88}\\ &+ p_{8,248} + p_{8,196} + p_{8,20} + 2p_{8,148} + p_{8,212} + p_{8,12} + p_{8,76} + p_{8,156}\\ &+ p_{8,220} + p_{8,188} + 2p_{8,162} + p_{8,98} + p_{8,146} + p_{8,210} + p_{8,178} + p_{8,202}\\ &+ p_{7,90} + p_{8,122} + p_{8,134} + p_{8,198} + p_{7,38} + p_{8,78} + p_{8,238} + p_{8,209}\\ &+ p_{8,49} + 3p_{8,241} + p_{8,9} + p_{8,153} + p_{8,89} + p_{8,229} + p_{7,45} + p_{8,237}\\ &+ p_{8,189} + p_{8,163} + p_{8,227} + p_{7,115} + p_{8,203} + p_{7,27} + p_{8,91} + 2p_{7,59}\\ &+ p_{8,103} + p_{8,215} + p_{8,247} + p_{8,15} + p_{8,31})\end{aligned}}$$

$$p_{9,415} = \frac{1}{2}p_{8,159} - \frac{1}{2}\sqrt{\begin{array}{l} p_{8,159}^2 - 4(p_{8,192} + p_{8,224} + p_{8,240} + p_{8,136} + p_{8,200} + 2p_{8,88} \\ \quad + p_{8,248} + p_{8,196} + p_{8,20} + 2p_{8,148} + p_{8,212} + p_{8,12} + p_{8,76} + p_{8,156} \\ \quad + p_{8,220} + p_{8,188} + 2p_{8,162} + p_{8,98} + p_{8,146} + p_{8,210} + p_{8,178} + p_{8,202} \\ \quad + p_{7,90} + p_{8,122} + p_{8,134} + p_{8,198} + p_{7,38} + p_{8,78} + p_{8,238} + p_{8,209} \\ \quad + p_{8,49} + 3p_{8,241} + p_{8,9} + p_{8,153} + p_{8,89} + p_{8,229} + p_{7,45} + p_{8,237} \\ \quad + p_{8,189} + p_{8,163} + p_{8,227} + p_{7,115} + p_{8,203} + p_{7,27} + p_{8,91} + 2p_{7,59} \\ \quad + p_{8,103} + p_{8,215} + p_{8,247} + p_{8,15} + p_{8,31}) \end{array}}$$

$$p_{9,95} = \frac{1}{2}p_{8,95} + \frac{1}{2}\sqrt{\begin{array}{l} p_{8,95}^2 - 4(p_{8,128} + p_{8,160} + p_{8,176} + p_{8,136} + p_{8,72} + 2p_{8,24} \\ \quad + p_{8,184} + p_{8,132} + p_{8,148} + 2p_{8,84} + p_{8,212} + p_{8,12} + p_{8,204} + p_{8,156} \\ \quad + p_{8,92} + p_{8,124} + p_{8,34} + 2p_{8,98} + p_{8,146} + p_{8,82} + p_{8,114} + p_{8,138} \\ \quad + p_{7,26} + p_{8,58} + p_{8,134} + p_{8,70} + p_{7,102} + p_{8,14} + p_{8,174} + p_{8,145} \\ \quad + 3p_{8,177} + p_{8,241} + p_{8,201} + p_{8,25} + p_{8,89} + p_{8,165} + p_{8,173} + p_{7,109} \\ \quad + p_{8,125} + p_{8,163} + p_{8,99} + p_{7,51} + p_{8,139} + p_{8,27} + p_{7,91} + 2p_{7,123} \\ \quad + p_{8,39} + p_{8,151} + p_{8,183} + p_{8,207} + p_{8,223}) \end{array}}$$

$$p_{9,351} = \frac{1}{2}p_{8,95} - \frac{1}{2}\sqrt{\begin{array}{l} p_{8,95}^2 - 4(p_{8,128} + p_{8,160} + p_{8,176} + p_{8,136} + p_{8,72} + 2p_{8,24} \\ \quad + p_{8,184} + p_{8,132} + p_{8,148} + 2p_{8,84} + p_{8,212} + p_{8,12} + p_{8,204} + p_{8,156} \\ \quad + p_{8,92} + p_{8,124} + p_{8,34} + 2p_{8,98} + p_{8,146} + p_{8,82} + p_{8,114} + p_{8,138} \\ \quad + p_{7,26} + p_{8,58} + p_{8,134} + p_{8,70} + p_{7,102} + p_{8,14} + p_{8,174} + p_{8,145} \\ \quad + 3p_{8,177} + p_{8,241} + p_{8,201} + p_{8,25} + p_{8,89} + p_{8,165} + p_{8,173} + p_{7,109} \\ \quad + p_{8,125} + p_{8,163} + p_{8,99} + p_{7,51} + p_{8,139} + p_{8,27} + p_{7,91} + 2p_{7,123} \\ \quad + p_{8,39} + p_{8,151} + p_{8,183} + p_{8,207} + p_{8,223}) \end{array}}$$

$$p_{9,223} = \frac{1}{2}p_{8,223} - \frac{1}{2}\sqrt{\begin{array}{l} p_{8,223}^2 - 4(p_{8,0} + p_{8,32} + p_{8,48} + p_{8,8} + p_{8,200} + 2p_{8,152} \\ \quad + p_{8,56} + p_{8,4} + p_{8,20} + p_{8,84} + 2p_{8,212} + p_{8,140} + p_{8,76} + p_{8,28} \\ \quad + p_{8,220} + p_{8,252} + p_{8,162} + 2p_{8,226} + p_{8,18} + p_{8,210} + p_{8,242} \\ \quad + p_{8,10} + p_{7,26} + p_{8,186} + p_{8,6} + p_{8,198} + p_{7,102} + p_{8,142} + p_{8,46} \\ \quad + p_{8,17} + 3p_{8,49} + p_{8,113} + p_{8,73} + p_{8,153} + p_{8,217} + p_{8,37} + p_{8,45} \\ \quad + p_{7,109} + p_{8,253} + p_{8,35} + p_{8,227} + p_{7,51} + p_{8,11} + p_{8,155} + p_{7,91} \\ \quad + 2p_{7,123} + p_{8,167} + p_{8,23} + p_{8,55} + p_{8,79} + p_{8,95}) \end{array}}$$

$$p_{9,479} = \frac{1}{2}p_{8,223} + \frac{1}{2}\sqrt{\begin{array}{l} p_{8,223}^2 - 4(p_{8,0} + p_{8,32} + p_{8,48} + p_{8,8} + p_{8,200} + 2p_{8,152} \\ \quad + p_{8,56} + p_{8,4} + p_{8,20} + p_{8,84} + 2p_{8,212} + p_{8,140} + p_{8,76} + p_{8,28} \\ \quad + p_{8,220} + p_{8,252} + p_{8,162} + 2p_{8,226} + p_{8,18} + p_{8,210} + p_{8,242} \\ \quad + p_{8,10} + p_{7,26} + p_{8,186} + p_{8,6} + p_{8,198} + p_{7,102} + p_{8,142} + p_{8,46} \\ \quad + p_{8,17} + 3p_{8,49} + p_{8,113} + p_{8,73} + p_{8,153} + p_{8,217} + p_{8,37} + p_{8,45} \\ \quad + p_{7,109} + p_{8,253} + p_{8,35} + p_{8,227} + p_{7,51} + p_{8,11} + p_{8,155} + p_{7,91} \\ \quad + 2p_{7,123} + p_{8,167} + p_{8,23} + p_{8,55} + p_{8,79} + p_{8,95}) \end{array}}$$

$$p_{9,63} = \frac{1}{2}p_{8,63} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,63}^2 - 4(p_{8,128} + p_{8,96} + p_{8,144} + p_{8,40} + p_{8,104} + p_{8,152}\\&+ 2p_{8,248} + p_{8,100} + 2p_{8,52} + p_{8,180} + p_{8,116} + p_{8,172} + p_{8,236}\\&+ p_{8,92} + p_{8,60} + p_{8,124} + p_{8,2} + 2p_{8,66} + p_{8,82} + p_{8,50} + p_{8,114}\\&+ p_{8,106} + p_{8,26} + p_{7,122} + p_{7,70} + p_{8,38} + p_{8,102} + p_{8,142} + p_{8,238}\\&+ 3p_{8,145} + p_{8,209} + p_{8,113} + p_{8,169} + p_{8,57} + p_{8,249} + p_{8,133}\\&+ p_{8,141} + p_{7,77} + p_{8,93} + p_{8,131} + p_{8,67} + p_{7,19} + p_{8,107} + 2p_{7,91}\\&+ p_{7,59} + p_{8,251} + p_{8,7} + p_{8,151} + p_{8,119} + p_{8,175} + p_{8,191})\end{aligned}}$$

$$p_{9,319} = \frac{1}{2}p_{8,63} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,63}^2 - 4(p_{8,128} + p_{8,96} + p_{8,144} + p_{8,40} + p_{8,104} + p_{8,152}\\&+ 2p_{8,248} + p_{8,100} + 2p_{8,52} + p_{8,180} + p_{8,116} + p_{8,172} + p_{8,236}\\&+ p_{8,92} + p_{8,60} + p_{8,124} + p_{8,2} + 2p_{8,66} + p_{8,82} + p_{8,50} + p_{8,114}\\&+ p_{8,106} + p_{8,26} + p_{7,122} + p_{7,70} + p_{8,38} + p_{8,102} + p_{8,142} + p_{8,238}\\&+ 3p_{8,145} + p_{8,209} + p_{8,113} + p_{8,169} + p_{8,57} + p_{8,249} + p_{8,133}\\&+ p_{8,141} + p_{7,77} + p_{8,93} + p_{8,131} + p_{8,67} + p_{7,19} + p_{8,107} + 2p_{7,91}\\&+ p_{7,59} + p_{8,251} + p_{8,7} + p_{8,151} + p_{8,119} + p_{8,175} + p_{8,191})\end{aligned}}$$

$$p_{9,191} = \frac{1}{2}p_{8,191} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,191}^2 - 4(p_{8,0} + p_{8,224} + p_{8,16} + p_{8,168} + p_{8,232} + p_{8,24}\\&+ 2p_{8,120} + p_{8,228} + p_{8,52} + 2p_{8,180} + p_{8,244} + p_{8,44} + p_{8,108}\\&+ p_{8,220} + p_{8,188} + p_{8,252} + p_{8,130} + 2p_{8,194} + p_{8,210} + p_{8,178}\\&+ p_{8,242} + p_{8,234} + p_{8,154} + p_{7,122} + p_{7,70} + p_{8,166} + p_{8,230} + p_{8,14}\\&+ p_{8,110} + 3p_{8,17} + p_{8,81} + p_{8,241} + p_{8,41} + p_{8,185} + p_{8,121} + p_{8,5}\\&+ p_{8,13} + p_{7,77} + p_{8,221} + p_{8,3} + p_{8,195} + p_{7,19} + p_{8,235} + 2p_{7,91}\\&+ p_{7,59} + p_{8,123} + p_{8,135} + p_{8,23} + p_{8,247} + p_{8,47} + p_{8,63})\end{aligned}}$$

$$p_{9,447} = \frac{1}{2}p_{8,191} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,191}^2 - 4(p_{8,0} + p_{8,224} + p_{8,16} + p_{8,168} + p_{8,232} + p_{8,24}\\&+ 2p_{8,120} + p_{8,228} + p_{8,52} + 2p_{8,180} + p_{8,244} + p_{8,44} + p_{8,108}\\&+ p_{8,220} + p_{8,188} + p_{8,252} + p_{8,130} + 2p_{8,194} + p_{8,210} + p_{8,178}\\&+ p_{8,242} + p_{8,234} + p_{8,154} + p_{7,122} + p_{7,70} + p_{8,166} + p_{8,230} + p_{8,14}\\&+ p_{8,110} + 3p_{8,17} + p_{8,81} + p_{8,241} + p_{8,41} + p_{8,185} + p_{8,121} + p_{8,5}\\&+ p_{8,13} + p_{7,77} + p_{8,221} + p_{8,3} + p_{8,195} + p_{7,19} + p_{8,235} + 2p_{7,91}\\&+ p_{7,59} + p_{8,123} + p_{8,135} + p_{8,23} + p_{8,247} + p_{8,47} + p_{8,63})\end{aligned}}$$

$$p_{9,127} = \frac{1}{2}p_{8,127} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,127}^2 - 4(p_{8,192} + p_{8,160} + p_{8,208} + p_{8,168} + p_{8,104} + p_{8,216}\\&+ 2p_{8,56} + p_{8,164} + p_{8,180} + 2p_{8,116} + p_{8,244} + p_{8,44} + p_{8,236} + p_{8,156}\\&+ p_{8,188} + p_{8,124} + 2p_{8,130} + p_{8,66} + p_{8,146} + p_{8,178} + p_{8,114} + p_{8,170}\\&+ p_{8,90} + p_{7,58} + p_{7,6} + p_{8,166} + p_{8,102} + p_{8,206} + p_{8,46} + p_{8,17}\\&+ 3p_{8,209} + p_{8,177} + p_{8,233} + p_{8,57} + p_{8,121} + p_{8,197} + p_{7,13} + p_{8,205}\\&+ p_{8,157} + p_{8,131} + p_{8,195} + p_{7,83} + p_{8,171} + 2p_{7,27} + p_{8,59} + p_{7,123}\\&+ p_{8,71} + p_{8,215} + p_{8,183} + p_{8,239} + p_{8,255})\end{aligned}}$$

$$p_{9,383} = \frac{1}{2}p_{8,127} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,127}^2 - 4(p_{8,192} + p_{8,160} + p_{8,208} + p_{8,168} + p_{8,104} + p_{8,216}\\&+ 2p_{8,56} + p_{8,164} + p_{8,180} + 2p_{8,116} + p_{8,244} + p_{8,44} + p_{8,236} + p_{8,156}\\&+ p_{8,188} + p_{8,124} + 2p_{8,130} + p_{8,66} + p_{8,146} + p_{8,178} + p_{8,114} + p_{8,170}\\&+ p_{8,90} + p_{7,58} + p_{7,6} + p_{8,166} + p_{8,102} + p_{8,206} + p_{8,46} + p_{8,17}\\&+ 3p_{8,209} + p_{8,177} + p_{8,233} + p_{8,57} + p_{8,121} + p_{8,197} + p_{7,13} + p_{8,205}\\&+ p_{8,157} + p_{8,131} + p_{8,195} + p_{7,83} + p_{8,171} + 2p_{7,27} + p_{8,59} + p_{7,123}\\&+ p_{8,71} + p_{8,215} + p_{8,183} + p_{8,239} + p_{8,255})\end{aligned}}$$

$$p_{9,255} = \frac{1}{2}p_{8,255} + \frac{1}{2}\sqrt{\begin{aligned}&p_{8,255}^2 - 4(p_{8,64} + p_{8,32} + p_{8,80} + p_{8,40} + p_{8,232} + p_{8,88}\\&+ 2p_{8,184} + p_{8,36} + p_{8,52} + p_{8,116} + 2p_{8,244} + p_{8,172} + p_{8,108}\\&+ p_{8,28} + p_{8,60} + p_{8,252} + 2p_{8,2} + p_{8,194} + p_{8,18} + p_{8,50} + p_{8,242}\\&+ p_{8,42} + p_{8,218} + p_{7,58} + p_{7,6} + p_{8,38} + p_{8,230} + p_{8,78} + p_{8,174}\\&+ p_{8,145} + 3p_{8,81} + p_{8,49} + p_{8,105} + p_{8,185} + p_{8,249} + p_{8,69} + p_{7,13}\\&+ p_{8,77} + p_{8,29} + p_{8,3} + p_{8,67} + p_{7,83} + p_{8,43} + 2p_{7,27} + p_{8,187}\\&+ p_{7,123} + p_{8,199} + p_{8,87} + p_{8,55} + p_{8,111} + p_{8,127})\end{aligned}}$$

$$p_{9,511} = \frac{1}{2}p_{8,255} - \frac{1}{2}\sqrt{\begin{aligned}&p_{8,255}^2 - 4(p_{8,64} + p_{8,32} + p_{8,80} + p_{8,40} + p_{8,232} + p_{8,88}\\&+ 2p_{8,184} + p_{8,36} + p_{8,52} + p_{8,116} + 2p_{8,244} + p_{8,172} + p_{8,108}\\&+ p_{8,28} + p_{8,60} + p_{8,252} + 2p_{8,2} + p_{8,194} + p_{8,18} + p_{8,50} + p_{8,242}\\&+ p_{8,42} + p_{8,218} + p_{7,58} + p_{7,6} + p_{8,38} + p_{8,230} + p_{8,78} + p_{8,174}\\&+ p_{8,145} + 3p_{8,81} + p_{8,49} + p_{8,105} + p_{8,185} + p_{8,249} + p_{8,69} + p_{7,13}\\&+ p_{8,77} + p_{8,29} + p_{8,3} + p_{8,67} + p_{7,83} + p_{8,43} + 2p_{7,27} + p_{8,187}\\&+ p_{7,123} + p_{8,199} + p_{8,87} + p_{8,55} + p_{8,111} + p_{8,127})\end{aligned}}$$

$$p_{10,0} = \frac{1}{2}p_{9,0} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,0}^2 - 4(p_{9,80} + p_{9,464} + p_{9,48} + p_{9,40} + p_{9,232} + p_{9,280}\\&+ p_{9,268} + p_{9,108} + p_{9,348} + 2p_{9,450} + p_{9,274} + p_{9,210} + p_{9,378}\\&+ 2p_{9,134} + p_{9,302} + 2p_{9,174} + p_{9,430} + p_{9,225} + p_{9,113} + p_{9,105}\\&+ p_{9,389} + p_{9,277} + 2p_{9,85} + 2p_{9,67} + p_{9,91} + 2p_{9,87})\end{aligned}}$$

$$p_{10,512} = \frac{1}{2}p_{9,0} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,0}^2 - 4(p_{9,80} + p_{9,464} + p_{9,48} + p_{9,40} + p_{9,232} + p_{9,280}\\&+ p_{9,268} + p_{9,108} + p_{9,348} + 2p_{9,450} + p_{9,274} + p_{9,210} + p_{9,378}\\&+ 2p_{9,134} + p_{9,302} + 2p_{9,174} + p_{9,430} + p_{9,225} + p_{9,113} + p_{9,105}\\&+ p_{9,389} + p_{9,277} + 2p_{9,85} + 2p_{9,67} + p_{9,91} + 2p_{9,87})\end{aligned}}$$

$$p_{10,256} = \frac{1}{2}p_{9,256} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,256}^2 - 4(p_{9,336} + p_{9,208} + p_{9,304} + p_{9,296} + p_{9,488}\\&+ p_{9,24} + p_{9,12} + p_{9,364} + p_{9,92} + 2p_{9,194} + p_{9,18} + p_{9,466}\\&+ p_{9,122} + 2p_{9,390} + p_{9,46} + p_{9,174} + 2p_{9,430} + p_{9,481} + p_{9,369}\\&+ p_{9,361} + p_{9,133} + p_{9,21} + 2p_{9,341} + 2p_{9,323} + p_{9,347} + 2p_{9,343})\end{aligned}}$$

$$p_{10,768} = \frac{1}{2}p_{9,256} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,256}^2 - 4(p_{9,336} + p_{9,208} + p_{9,304} + p_{9,296} + p_{9,488}\\&+ p_{9,24} + p_{9,12} + p_{9,364} + p_{9,92} + 2p_{9,194} + p_{9,18} + p_{9,466}\\&+ p_{9,122} + 2p_{9,390} + p_{9,46} + p_{9,174} + 2p_{9,430} + p_{9,481} + p_{9,369}\\&+ p_{9,361} + p_{9,133} + p_{9,21} + 2p_{9,341} + 2p_{9,323} + p_{9,347} + 2p_{9,343})\end{aligned}}$$

$$p_{10,128} = \frac{1}{2}p_{9,128} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,128}^2 - 4(p_{9,80} + p_{9,208} + p_{9,176} + p_{9,168} + p_{9,360}\\&+ p_{9,408} + p_{9,396} + p_{9,236} + p_{9,476} + 2p_{9,66} + p_{9,402} + p_{9,338}\\&+ p_{9,506} + 2p_{9,262} + p_{9,46} + 2p_{9,302} + p_{9,430} + p_{9,353} + p_{9,241}\\&+ p_{9,233} + p_{9,5} + p_{9,405} + 2p_{9,213} + 2p_{9,195} + p_{9,219} + 2p_{9,215})\end{aligned}}$$

$$p_{10,640} = \frac{1}{2}p_{9,128} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,128}^2 - 4(p_{9,80} + p_{9,208} + p_{9,176} + p_{9,168} + p_{9,360}\\&+ p_{9,408} + p_{9,396} + p_{9,236} + p_{9,476} + 2p_{9,66} + p_{9,402} + p_{9,338}\\&+ p_{9,506} + 2p_{9,262} + p_{9,46} + 2p_{9,302} + p_{9,430} + p_{9,353} + p_{9,241}\\&+ p_{9,233} + p_{9,5} + p_{9,405} + 2p_{9,213} + 2p_{9,195} + p_{9,219} + 2p_{9,215})\end{aligned}}$$

$$p_{10,384} = \frac{1}{2}p_{9,384} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,384}^2 - 4(p_{9,336} + p_{9,464} + p_{9,432} + p_{9,424} + p_{9,104}\\&+ p_{9,152} + p_{9,140} + p_{9,492} + p_{9,220} + 2p_{9,322} + p_{9,146} + p_{9,82}\\&+ p_{9,250} + 2p_{9,6} + 2p_{9,46} + p_{9,302} + p_{9,174} + p_{9,97} + p_{9,497}\\&+ p_{9,489} + p_{9,261} + p_{9,149} + 2p_{9,469} + 2p_{9,451} + p_{9,475} + 2p_{9,471})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,64} = \frac{1}{2}p_{9,64} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,64}^2 - 4(p_{9,16} + p_{9,144} + p_{9,112} + p_{9,296} + p_{9,104} + p_{9,344}\\&+ p_{9,332} + p_{9,172} + p_{9,412} + 2p_{9,2} + p_{9,274} + p_{9,338} + p_{9,442}\\&+ 2p_{9,198} + p_{9,366} + 2p_{9,238} + p_{9,494} + p_{9,289} + p_{9,177} + p_{9,169}\\&+ p_{9,453} + 2p_{9,149} + p_{9,341} + 2p_{9,131} + p_{9,155} + 2p_{9,151})\end{aligned}}$$

$$p_{10,576} = \frac{1}{2}p_{9,64} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,64}^2 - 4(p_{9,16} + p_{9,144} + p_{9,112} + p_{9,296} + p_{9,104} + p_{9,344}\\&+ p_{9,332} + p_{9,172} + p_{9,412} + 2p_{9,2} + p_{9,274} + p_{9,338} + p_{9,442}\\&+ 2p_{9,198} + p_{9,366} + 2p_{9,238} + p_{9,494} + p_{9,289} + p_{9,177} + p_{9,169}\\&+ p_{9,453} + 2p_{9,149} + p_{9,341} + 2p_{9,131} + p_{9,155} + 2p_{9,151})\end{aligned}}$$

2 unreferenced roots were skipped

$$p_{10,192} = \frac{1}{2}p_{9,192} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,192}^2 - 4(p_{9,272} + p_{9,144} + p_{9,240} + p_{9,424} + p_{9,232}\\&+ p_{9,472} + p_{9,460} + p_{9,300} + p_{9,28} + 2p_{9,130} + p_{9,402} + p_{9,466}\\&+ p_{9,58} + 2p_{9,326} + p_{9,110} + 2p_{9,366} + p_{9,494} + p_{9,417} + p_{9,305}\\&+ p_{9,297} + p_{9,69} + 2p_{9,277} + p_{9,469} + 2p_{9,259} + p_{9,283} + 2p_{9,279})\end{aligned}}$$

$$p_{10,704} = \frac{1}{2}p_{9,192} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,192}^2 - 4(p_{9,272} + p_{9,144} + p_{9,240} + p_{9,424} + p_{9,232}\\&+ p_{9,472} + p_{9,460} + p_{9,300} + p_{9,28} + 2p_{9,130} + p_{9,402} + p_{9,466}\\&+ p_{9,58} + 2p_{9,326} + p_{9,110} + 2p_{9,366} + p_{9,494} + p_{9,417} + p_{9,305}\\&+ p_{9,297} + p_{9,69} + 2p_{9,277} + p_{9,469} + 2p_{9,259} + p_{9,283} + 2p_{9,279})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,960} = \frac{1}{2}p_{9,448} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,448}^2 - 4(p_{9,16} + p_{9,400} + p_{9,496} + p_{9,168} + p_{9,488}\\&+ p_{9,216} + p_{9,204} + p_{9,44} + p_{9,284} + 2p_{9,386} + p_{9,146} + p_{9,210}\\&+ p_{9,314} + 2p_{9,70} + 2p_{9,110} + p_{9,366} + p_{9,238} + p_{9,161} + p_{9,49}\\&+ p_{9,41} + p_{9,325} + 2p_{9,21} + p_{9,213} + 2p_{9,3} + p_{9,27} + 2p_{9,23})\end{aligned}}$$

3 unreferenced roots were skipped

$$p_{10,800} = \frac{1}{2}p_{9,288} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,288}^2 - 4(p_{9,336} + p_{9,368} + p_{9,240} + p_{9,8} + p_{9,328} + p_{9,56}\\ &+ p_{9,396} + p_{9,44} + p_{9,124} + 2p_{9,226} + p_{9,50} + p_{9,498} + p_{9,154}\\ &+ 2p_{9,422} + p_{9,78} + p_{9,206} + 2p_{9,462} + p_{9,1} + p_{9,401} + p_{9,393}\\ &+ p_{9,165} + p_{9,53} + 2p_{9,373} + 2p_{9,355} + p_{9,379} + 2p_{9,375})\end{aligned}}$$

$$p_{10,160} = \frac{1}{2}p_{9,160} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,160}^2 - 4(p_{9,208} + p_{9,112} + p_{9,240} + p_{9,392} + p_{9,200}\\ &+ p_{9,440} + p_{9,268} + p_{9,428} + p_{9,508} + 2p_{9,98} + p_{9,434} + p_{9,370}\\ &+ p_{9,26} + 2p_{9,294} + p_{9,78} + 2p_{9,334} + p_{9,462} + p_{9,385} + p_{9,273}\\ &+ p_{9,265} + p_{9,37} + p_{9,437} + 2p_{9,245} + 2p_{9,227} + p_{9,251} + 2p_{9,247})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,416} = \frac{1}{2}p_{9,416} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,416}^2 - 4(p_{9,464} + p_{9,368} + p_{9,496} + p_{9,136} + p_{9,456}\\ &+ p_{9,184} + p_{9,12} + p_{9,172} + p_{9,252} + 2p_{9,354} + p_{9,178} + p_{9,114}\\ &+ p_{9,282} + 2p_{9,38} + 2p_{9,78} + p_{9,334} + p_{9,206} + p_{9,129} + p_{9,17}\\ &+ p_{9,9} + p_{9,293} + p_{9,181} + 2p_{9,501} + 2p_{9,483} + p_{9,507} + 2p_{9,503})\end{aligned}}$$

$$p_{10,928} = \frac{1}{2}p_{9,416} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,416}^2 - 4(p_{9,464} + p_{9,368} + p_{9,496} + p_{9,136} + p_{9,456}\\ &+ p_{9,184} + p_{9,12} + p_{9,172} + p_{9,252} + 2p_{9,354} + p_{9,178} + p_{9,114}\\ &+ p_{9,282} + 2p_{9,38} + 2p_{9,78} + p_{9,334} + p_{9,206} + p_{9,129} + p_{9,17}\\ &+ p_{9,9} + p_{9,293} + p_{9,181} + 2p_{9,501} + 2p_{9,483} + p_{9,507} + 2p_{9,503})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,608} = \frac{1}{2}p_{9,96} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,96}^2 - 4(p_{9,144} + p_{9,48} + p_{9,176} + p_{9,136} + p_{9,328} + p_{9,376}\\ &+ p_{9,204} + p_{9,364} + p_{9,444} + 2p_{9,34} + p_{9,306} + p_{9,370} + p_{9,474}\\ &+ 2p_{9,230} + p_{9,14} + 2p_{9,270} + p_{9,398} + p_{9,321} + p_{9,209} + p_{9,201}\\ &+ p_{9,485} + 2p_{9,181} + p_{9,373} + 2p_{9,163} + p_{9,187} + 2p_{9,183})\end{aligned}}$$

$$p_{10,352} = \frac{1}{2}p_{9,352} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,352}^2 - 4(p_{9,400} + p_{9,304} + p_{9,432} + p_{9,392} + p_{9,72}\\ &+ p_{9,120} + p_{9,460} + p_{9,108} + p_{9,188} + 2p_{9,290} + p_{9,50} + p_{9,114}\\ &+ p_{9,218} + 2p_{9,486} + 2p_{9,14} + p_{9,270} + p_{9,142} + p_{9,65} + p_{9,465}\\ &+ p_{9,457} + p_{9,229} + 2p_{9,437} + p_{9,117} + 2p_{9,419} + p_{9,443} + 2p_{9,439})\end{aligned}}$$

$$p_{10,864} = \frac{1}{2}p_{9,352} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,352}^2 - 4(p_{9,400} + p_{9,304} + p_{9,432} + p_{9,392} + p_{9,72}\\ &+ p_{9,120} + p_{9,460} + p_{9,108} + p_{9,188} + 2p_{9,290} + p_{9,50} + p_{9,114}\\ &+ p_{9,218} + 2p_{9,486} + 2p_{9,14} + p_{9,270} + p_{9,142} + p_{9,65} + p_{9,465}\\ &+ p_{9,457} + p_{9,229} + 2p_{9,437} + p_{9,117} + 2p_{9,419} + p_{9,443} + 2p_{9,439})\end{aligned}}$$

$$p_{10,224} = \frac{1}{2}p_{9,224} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,224}^2 - 4(p_{9,272} + p_{9,304} + p_{9,176} + p_{9,264} + p_{9,456}\\ &+ p_{9,504} + p_{9,332} + p_{9,492} + p_{9,60} + 2p_{9,162} + p_{9,434} + p_{9,498}\\ &+ p_{9,90} + 2p_{9,358} + p_{9,14} + p_{9,142} + 2p_{9,398} + p_{9,449} + p_{9,337}\\ &+ p_{9,329} + p_{9,101} + 2p_{9,309} + p_{9,501} + 2p_{9,291} + p_{9,315} + 2p_{9,311})\end{aligned}}$$

$$p_{10,736} = \frac{1}{2}p_{9,224} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,224}^2 - 4(p_{9,272} + p_{9,304} + p_{9,176} + p_{9,264} + p_{9,456}\\&+ p_{9,504} + p_{9,332} + p_{9,492} + p_{9,60} + 2p_{9,162} + p_{9,434} + p_{9,498}\\&+ p_{9,90} + 2p_{9,358} + p_{9,14} + p_{9,142} + 2p_{9,398} + p_{9,449} + p_{9,337}\\&+ p_{9,329} + p_{9,101} + 2p_{9,309} + p_{9,501} + 2p_{9,291} + p_{9,315} + 2p_{9,311})\end{aligned}}$$

$$p_{10,480} = \frac{1}{2}p_{9,480} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,480}^2 - 4(p_{9,16} + p_{9,48} + p_{9,432} + p_{9,8} + p_{9,200} + p_{9,248}\\&+ p_{9,76} + p_{9,236} + p_{9,316} + 2p_{9,418} + p_{9,178} + p_{9,242} + p_{9,346}\\&+ 2p_{9,102} + p_{9,270} + 2p_{9,142} + p_{9,398} + p_{9,193} + p_{9,81} + p_{9,73}\\&+ p_{9,357} + 2p_{9,53} + p_{9,245} + 2p_{9,35} + p_{9,59} + 2p_{9,55})\end{aligned}}$$

$$p_{10,992} = \frac{1}{2}p_{9,480} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,480}^2 - 4(p_{9,16} + p_{9,48} + p_{9,432} + p_{9,8} + p_{9,200} + p_{9,248}\\&+ p_{9,76} + p_{9,236} + p_{9,316} + 2p_{9,418} + p_{9,178} + p_{9,242} + p_{9,346}\\&+ 2p_{9,102} + p_{9,270} + 2p_{9,142} + p_{9,398} + p_{9,193} + p_{9,81} + p_{9,73}\\&+ p_{9,357} + 2p_{9,53} + p_{9,245} + 2p_{9,35} + p_{9,59} + 2p_{9,55})\end{aligned}}$$

$$p_{10,16} = \frac{1}{2}p_{9,16} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,16}^2 - 4(p_{9,64} + p_{9,96} + p_{9,480} + p_{9,296} + p_{9,56} + p_{9,248}\\&+ p_{9,364} + p_{9,284} + p_{9,124} + p_{9,290} + p_{9,226} + 2p_{9,466} + p_{9,394}\\&+ 2p_{9,150} + p_{9,318} + 2p_{9,190} + p_{9,446} + p_{9,129} + p_{9,241} + p_{9,121}\\&+ p_{9,293} + 2p_{9,101} + p_{9,405} + 2p_{9,83} + p_{9,107} + 2p_{9,103})\end{aligned}}$$

$$p_{10,528} = \frac{1}{2}p_{9,16} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,16}^2 - 4(p_{9,64} + p_{9,96} + p_{9,480} + p_{9,296} + p_{9,56} + p_{9,248}\\&+ p_{9,364} + p_{9,284} + p_{9,124} + p_{9,290} + p_{9,226} + 2p_{9,466} + p_{9,394}\\&+ 2p_{9,150} + p_{9,318} + 2p_{9,190} + p_{9,446} + p_{9,129} + p_{9,241} + p_{9,121}\\&+ p_{9,293} + 2p_{9,101} + p_{9,405} + 2p_{9,83} + p_{9,107} + 2p_{9,103})\end{aligned}}$$

$$p_{10,272} = \frac{1}{2}p_{9,272} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,272}^2 - 4(p_{9,320} + p_{9,352} + p_{9,224} + p_{9,40} + p_{9,312}\\&+ p_{9,504} + p_{9,108} + p_{9,28} + p_{9,380} + p_{9,34} + p_{9,482} + 2p_{9,210}\\&+ p_{9,138} + 2p_{9,406} + p_{9,62} + p_{9,190} + 2p_{9,446} + p_{9,385} + p_{9,497}\\&+ p_{9,377} + p_{9,37} + 2p_{9,357} + p_{9,149} + 2p_{9,339} + p_{9,363} + 2p_{9,359})\end{aligned}}$$

$$p_{10,784} = \frac{1}{2}p_{9,272} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,272}^2 - 4(p_{9,320} + p_{9,352} + p_{9,224} + p_{9,40} + p_{9,312}\\&+ p_{9,504} + p_{9,108} + p_{9,28} + p_{9,380} + p_{9,34} + p_{9,482} + 2p_{9,210}\\&+ p_{9,138} + 2p_{9,406} + p_{9,62} + p_{9,190} + 2p_{9,446} + p_{9,385} + p_{9,497}\\&+ p_{9,377} + p_{9,37} + 2p_{9,357} + p_{9,149} + 2p_{9,339} + p_{9,363} + 2p_{9,359})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,656} = \frac{1}{2}p_{9,144} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,144}^2 - 4(p_{9,192} + p_{9,96} + p_{9,224} + p_{9,424} + p_{9,184}\\&+ p_{9,376} + p_{9,492} + p_{9,412} + p_{9,252} + p_{9,418} + p_{9,354} + 2p_{9,82}\\&+ p_{9,10} + 2p_{9,278} + p_{9,62} + 2p_{9,318} + p_{9,446} + p_{9,257} + p_{9,369}\\&+ p_{9,249} + p_{9,421} + 2p_{9,229} + p_{9,21} + 2p_{9,211} + p_{9,235} + 2p_{9,231})\end{aligned}}$$

$$p_{10,400} = \frac{1}{2}p_{9,400} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,400}^2 - 4(p_{9,448} + p_{9,352} + p_{9,480} + p_{9,168} + p_{9,440}\\&+ p_{9,120} + p_{9,236} + p_{9,156} + p_{9,508} + p_{9,162} + p_{9,98} + 2p_{9,338}\\&+ p_{9,266} + 2p_{9,22} + 2p_{9,62} + p_{9,318} + p_{9,190} + p_{9,1} + p_{9,113}\\&+ p_{9,505} + p_{9,165} + 2p_{9,485} + p_{9,277} + 2p_{9,467} + p_{9,491} + 2p_{9,487})\end{aligned}}$$

$$p_{10,912} = \frac{1}{2}p_{9,400} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,400}^2 - 4(p_{9,448} + p_{9,352} + p_{9,480} + p_{9,168} + p_{9,440}\\&+ p_{9,120} + p_{9,236} + p_{9,156} + p_{9,508} + p_{9,162} + p_{9,98} + 2p_{9,338}\\&+ p_{9,266} + 2p_{9,22} + 2p_{9,62} + p_{9,318} + p_{9,190} + p_{9,1} + p_{9,113}\\&+ p_{9,505} + p_{9,165} + 2p_{9,485} + p_{9,277} + 2p_{9,467} + p_{9,491} + 2p_{9,487})\end{aligned}}$$

$$p_{10,80} = \frac{1}{2}p_{9,80} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,80}^2 - 4(p_{9,128} + p_{9,32} + p_{9,160} + p_{9,360} + p_{9,312} + p_{9,120}\\&+ p_{9,428} + p_{9,348} + p_{9,188} + p_{9,290} + p_{9,354} + 2p_{9,18} + p_{9,458}\\&+ 2p_{9,214} + p_{9,382} + 2p_{9,254} + p_{9,510} + p_{9,193} + p_{9,305} + p_{9,185}\\&+ 2p_{9,165} + p_{9,357} + p_{9,469} + 2p_{9,147} + p_{9,171} + 2p_{9,167})\end{aligned}}$$

$$p_{10,592} = \frac{1}{2}p_{9,80} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,80}^2 - 4(p_{9,128} + p_{9,32} + p_{9,160} + p_{9,360} + p_{9,312} + p_{9,120}\\&+ p_{9,428} + p_{9,348} + p_{9,188} + p_{9,290} + p_{9,354} + 2p_{9,18} + p_{9,458}\\&+ 2p_{9,214} + p_{9,382} + 2p_{9,254} + p_{9,510} + p_{9,193} + p_{9,305} + p_{9,185}\\&+ 2p_{9,165} + p_{9,357} + p_{9,469} + 2p_{9,147} + p_{9,171} + 2p_{9,167})\end{aligned}}$$

$$p_{10,336} = \frac{1}{2}p_{9,336} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,336}^2 - 4(p_{9,384} + p_{9,288} + p_{9,416} + p_{9,104} + p_{9,56}\\&+ p_{9,376} + p_{9,172} + p_{9,92} + p_{9,444} + p_{9,34} + p_{9,98} + 2p_{9,274}\\&+ p_{9,202} + 2p_{9,470} + p_{9,126} + p_{9,254} + 2p_{9,510} + p_{9,449} + p_{9,49}\\&+ p_{9,441} + 2p_{9,421} + p_{9,101} + p_{9,213} + 2p_{9,403} + p_{9,427} + 2p_{9,423})\end{aligned}}$$

$$p_{10,848} = \frac{1}{2}p_{9,336} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,336}^2 - 4(p_{9,384} + p_{9,288} + p_{9,416} + p_{9,104} + p_{9,56}\\&+ p_{9,376} + p_{9,172} + p_{9,92} + p_{9,444} + p_{9,34} + p_{9,98} + 2p_{9,274}\\&+ p_{9,202} + 2p_{9,470} + p_{9,126} + p_{9,254} + 2p_{9,510} + p_{9,449} + p_{9,49}\\&+ p_{9,441} + 2p_{9,421} + p_{9,101} + p_{9,213} + 2p_{9,403} + p_{9,427} + 2p_{9,423})\end{aligned}}$$

$$p_{10,208} = \frac{1}{2}p_{9,208} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,208}^2 - 4(p_{9,256} + p_{9,288} + p_{9,160} + p_{9,488} + p_{9,440}\\&+ p_{9,248} + p_{9,44} + p_{9,476} + p_{9,316} + p_{9,418} + p_{9,482} + 2p_{9,146}\\&+ p_{9,74} + 2p_{9,342} + p_{9,126} + 2p_{9,382} + p_{9,510} + p_{9,321} + p_{9,433}\\&+ p_{9,313} + 2p_{9,293} + p_{9,485} + p_{9,85} + 2p_{9,275} + p_{9,299} + 2p_{9,295})\end{aligned}}$$

$$p_{10,720} = \frac{1}{2}p_{9,208} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,208}^2 - 4(p_{9,256} + p_{9,288} + p_{9,160} + p_{9,488} + p_{9,440}\\&+ p_{9,248} + p_{9,44} + p_{9,476} + p_{9,316} + p_{9,418} + p_{9,482} + 2p_{9,146}\\&+ p_{9,74} + 2p_{9,342} + p_{9,126} + 2p_{9,382} + p_{9,510} + p_{9,321} + p_{9,433}\\&+ p_{9,313} + 2p_{9,293} + p_{9,485} + p_{9,85} + 2p_{9,275} + p_{9,299} + 2p_{9,295})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,976} = \frac{1}{2}p_{9,464} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,464}^2 - 4(p_{9,0} + p_{9,32} + p_{9,416} + p_{9,232} + p_{9,184}\\&+ p_{9,504} + p_{9,300} + p_{9,220} + p_{9,60} + p_{9,162} + p_{9,226} + 2p_{9,402}\\&+ p_{9,330} + 2p_{9,86} + 2p_{9,126} + p_{9,382} + p_{9,254} + p_{9,65} + p_{9,177}\\&+ p_{9,57} + 2p_{9,37} + p_{9,229} + p_{9,341} + 2p_{9,19} + p_{9,43} + 2p_{9,39})\end{aligned}}$$

2 unreferenced roots were skipped

$$p_{10,304} = \frac{1}{2}p_{9,304} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,304}^2 - 4(p_{9,256} + p_{9,384} + p_{9,352} + p_{9,72} + p_{9,24}\\&+ p_{9,344} + p_{9,140} + p_{9,412} + p_{9,60} + p_{9,2} + p_{9,66} + 2p_{9,242}\\&+ p_{9,170} + 2p_{9,438} + p_{9,94} + p_{9,222} + 2p_{9,478} + p_{9,417} + p_{9,17}\\&+ p_{9,409} + 2p_{9,389} + p_{9,69} + p_{9,181} + 2p_{9,371} + p_{9,395} + 2p_{9,391})\end{aligned}}$$

$$p_{10,816} = \frac{1}{2}p_{9,304} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,304}^2 - 4(p_{9,256} + p_{9,384} + p_{9,352} + p_{9,72} + p_{9,24}\\&+ p_{9,344} + p_{9,140} + p_{9,412} + p_{9,60} + p_{9,2} + p_{9,66} + 2p_{9,242}\\&+ p_{9,170} + 2p_{9,438} + p_{9,94} + p_{9,222} + 2p_{9,478} + p_{9,417} + p_{9,17}\\&+ p_{9,409} + 2p_{9,389} + p_{9,69} + p_{9,181} + 2p_{9,371} + p_{9,395} + 2p_{9,391})\end{aligned}}$$

$$p_{10,176} = \frac{1}{2}p_{9,176} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,176}^2 - 4(p_{9,256} + p_{9,128} + p_{9,224} + p_{9,456} + p_{9,408}\\&+ p_{9,216} + p_{9,12} + p_{9,284} + p_{9,444} + p_{9,386} + p_{9,450} + 2p_{9,114}\\&+ p_{9,42} + 2p_{9,310} + p_{9,94} + 2p_{9,350} + p_{9,478} + p_{9,289} + p_{9,401}\\&+ p_{9,281} + 2p_{9,261} + p_{9,453} + p_{9,53} + 2p_{9,243} + p_{9,267} + 2p_{9,263})\end{aligned}}$$

$$p_{10,688} = \frac{1}{2}p_{9,176} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,176}^2 - 4(p_{9,256} + p_{9,128} + p_{9,224} + p_{9,456} + p_{9,408}\\&+ p_{9,216} + p_{9,12} + p_{9,284} + p_{9,444} + p_{9,386} + p_{9,450} + 2p_{9,114}\\&+ p_{9,42} + 2p_{9,310} + p_{9,94} + 2p_{9,350} + p_{9,478} + p_{9,289} + p_{9,401}\\&+ p_{9,281} + 2p_{9,261} + p_{9,453} + p_{9,53} + 2p_{9,243} + p_{9,267} + 2p_{9,263})\end{aligned}}$$

$$p_{10,432} = \frac{1}{2}p_{9,432} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,432}^2 - 4(p_{9,0} + p_{9,384} + p_{9,480} + p_{9,200} + p_{9,152}\\&+ p_{9,472} + p_{9,268} + p_{9,28} + p_{9,188} + p_{9,130} + p_{9,194} + 2p_{9,370}\\&+ p_{9,298} + 2p_{9,54} + 2p_{9,94} + p_{9,350} + p_{9,222} + p_{9,33} + p_{9,145}\\&+ p_{9,25} + 2p_{9,5} + p_{9,197} + p_{9,309} + 2p_{9,499} + p_{9,11} + 2p_{9,7})\end{aligned}}$$

$$p_{10,944} = \frac{1}{2}p_{9,432} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,432}^2 - 4(p_{9,0} + p_{9,384} + p_{9,480} + p_{9,200} + p_{9,152}\\&+ p_{9,472} + p_{9,268} + p_{9,28} + p_{9,188} + p_{9,130} + p_{9,194} + 2p_{9,370}\\&+ p_{9,298} + 2p_{9,54} + 2p_{9,94} + p_{9,350} + p_{9,222} + p_{9,33} + p_{9,145}\\&+ p_{9,25} + 2p_{9,5} + p_{9,197} + p_{9,309} + 2p_{9,499} + p_{9,11} + 2p_{9,7})\end{aligned}}$$

$$p_{10,112} = \frac{1}{2}p_{9,112} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,112}^2 - 4(p_{9,64} + p_{9,192} + p_{9,160} + p_{9,392} + p_{9,152}\\&+ p_{9,344} + p_{9,460} + p_{9,220} + p_{9,380} + p_{9,386} + p_{9,322} + 2p_{9,50}\\&+ p_{9,490} + 2p_{9,246} + p_{9,30} + 2p_{9,286} + p_{9,414} + p_{9,225} + p_{9,337}\\&+ p_{9,217} + p_{9,389} + 2p_{9,197} + p_{9,501} + 2p_{9,179} + p_{9,203} + 2p_{9,199})\end{aligned}}$$

$$p_{10,624} = \frac{1}{2}p_{9,112} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,112}^2 - 4(p_{9,64} + p_{9,192} + p_{9,160} + p_{9,392} + p_{9,152}\\ &+ p_{9,344} + p_{9,460} + p_{9,220} + p_{9,380} + p_{9,386} + p_{9,322} + 2p_{9,50}\\ &+ p_{9,490} + 2p_{9,246} + p_{9,30} + 2p_{9,286} + p_{9,414} + p_{9,225} + p_{9,337}\\ &+ p_{9,217} + p_{9,389} + 2p_{9,197} + p_{9,501} + 2p_{9,179} + p_{9,203} + 2p_{9,199})\end{aligned}}$$

$$p_{10,368} = \frac{1}{2}p_{9,368} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,368}^2 - 4(p_{9,320} + p_{9,448} + p_{9,416} + p_{9,136} + p_{9,408}\\ &+ p_{9,88} + p_{9,204} + p_{9,476} + p_{9,124} + p_{9,130} + p_{9,66} + 2p_{9,306}\\ &+ p_{9,234} + 2p_{9,502} + 2p_{9,30} + p_{9,286} + p_{9,158} + p_{9,481} + p_{9,81}\\ &+ p_{9,473} + p_{9,133} + 2p_{9,453} + p_{9,245} + 2p_{9,435} + p_{9,459} + 2p_{9,455})\end{aligned}}$$

$$p_{10,880} = \frac{1}{2}p_{9,368} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,368}^2 - 4(p_{9,320} + p_{9,448} + p_{9,416} + p_{9,136} + p_{9,408}\\ &+ p_{9,88} + p_{9,204} + p_{9,476} + p_{9,124} + p_{9,130} + p_{9,66} + 2p_{9,306}\\ &+ p_{9,234} + 2p_{9,502} + 2p_{9,30} + p_{9,286} + p_{9,158} + p_{9,481} + p_{9,81}\\ &+ p_{9,473} + p_{9,133} + 2p_{9,453} + p_{9,245} + 2p_{9,435} + p_{9,459} + 2p_{9,455})\end{aligned}}$$

$$p_{10,240} = \frac{1}{2}p_{9,240} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,240}^2 - 4(p_{9,320} + p_{9,192} + p_{9,288} + p_{9,8} + p_{9,280}\\ &+ p_{9,472} + p_{9,76} + p_{9,348} + p_{9,508} + p_{9,2} + p_{9,450} + 2p_{9,178}\\ &+ p_{9,106} + 2p_{9,374} + p_{9,30} + p_{9,158} + 2p_{9,414} + p_{9,353} + p_{9,465}\\ &+ p_{9,345} + p_{9,5} + 2p_{9,325} + p_{9,117} + 2p_{9,307} + p_{9,331} + 2p_{9,327})\end{aligned}}$$

$$p_{10,752} = \frac{1}{2}p_{9,240} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,240}^2 - 4(p_{9,320} + p_{9,192} + p_{9,288} + p_{9,8} + p_{9,280}\\ &+ p_{9,472} + p_{9,76} + p_{9,348} + p_{9,508} + p_{9,2} + p_{9,450} + 2p_{9,178}\\ &+ p_{9,106} + 2p_{9,374} + p_{9,30} + p_{9,158} + 2p_{9,414} + p_{9,353} + p_{9,465}\\ &+ p_{9,345} + p_{9,5} + 2p_{9,325} + p_{9,117} + 2p_{9,307} + p_{9,331} + 2p_{9,327})\end{aligned}}$$

$$p_{10,496} = \frac{1}{2}p_{9,496} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,496}^2 - 4(p_{9,64} + p_{9,448} + p_{9,32} + p_{9,264} + p_{9,24} + p_{9,216}\\ &+ p_{9,332} + p_{9,92} + p_{9,252} + p_{9,258} + p_{9,194} + 2p_{9,434} + p_{9,362}\\ &+ 2p_{9,118} + p_{9,286} + 2p_{9,158} + p_{9,414} + p_{9,97} + p_{9,209} + p_{9,89}\\ &+ p_{9,261} + 2p_{9,69} + p_{9,373} + 2p_{9,51} + p_{9,75} + 2p_{9,71})\end{aligned}}$$

$$p_{10,1008} = \frac{1}{2}p_{9,496} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,496}^2 - 4(p_{9,64} + p_{9,448} + p_{9,32} + p_{9,264} + p_{9,24} + p_{9,216}\\ &+ p_{9,332} + p_{9,92} + p_{9,252} + p_{9,258} + p_{9,194} + 2p_{9,434} + p_{9,362}\\ &+ 2p_{9,118} + p_{9,286} + 2p_{9,158} + p_{9,414} + p_{9,97} + p_{9,209} + p_{9,89}\\ &+ p_{9,261} + 2p_{9,69} + p_{9,373} + 2p_{9,51} + p_{9,75} + 2p_{9,71})\end{aligned}}$$

2 unreferenced roots were skipped

$$p_{10,264} = \frac{1}{2}p_{9,264} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,264}^2 - 4(p_{9,32} + p_{9,304} + p_{9,496} + p_{9,344} + p_{9,216}\\ &+ p_{9,312} + p_{9,100} + p_{9,20} + p_{9,372} + p_{9,130} + 2p_{9,202} + p_{9,26}\\ &+ p_{9,474} + p_{9,54} + p_{9,182} + 2p_{9,438} + 2p_{9,398} + p_{9,369} + p_{9,489}\\ &+ p_{9,377} + p_{9,141} + p_{9,29} + 2p_{9,349} + p_{9,355} + 2p_{9,331} + 2p_{9,351})\end{aligned}}$$

$$p_{10,776} = \frac{1}{2}p_{9,264} - \frac{1}{2}\sqrt{\begin{aligned} & p_{9,264}^2 - 4(p_{9,32} + p_{9,304} + p_{9,496} + p_{9,344} + p_{9,216} \\ & + p_{9,312} + p_{9,100} + p_{9,20} + p_{9,372} + p_{9,130} + 2p_{9,202} + p_{9,26} \\ & + p_{9,474} + p_{9,54} + p_{9,182} + 2p_{9,438} + 2p_{9,398} + p_{9,369} + p_{9,489} \\ & + p_{9,377} + p_{9,141} + p_{9,29} + 2p_{9,349} + p_{9,355} + 2p_{9,331} + 2p_{9,351}) \end{aligned}}$$

$$p_{10,136} = \frac{1}{2}p_{9,136} - \frac{1}{2}\sqrt{\begin{aligned} & p_{9,136}^2 - 4(p_{9,416} + p_{9,176} + p_{9,368} + p_{9,88} + p_{9,216} \\ & + p_{9,184} + p_{9,484} + p_{9,404} + p_{9,244} + p_{9,2} + 2p_{9,74} + p_{9,410} \\ & + p_{9,346} + p_{9,54} + 2p_{9,310} + p_{9,438} + 2p_{9,270} + p_{9,241} + p_{9,361} \\ & + p_{9,249} + p_{9,13} + p_{9,413} + 2p_{9,221} + p_{9,227} + 2p_{9,203} + 2p_{9,223}) \end{aligned}}$$

$$p_{10,648} = \frac{1}{2}p_{9,136} + \frac{1}{2}\sqrt{\begin{aligned} & p_{9,136}^2 - 4(p_{9,416} + p_{9,176} + p_{9,368} + p_{9,88} + p_{9,216} \\ & + p_{9,184} + p_{9,484} + p_{9,404} + p_{9,244} + p_{9,2} + 2p_{9,74} + p_{9,410} \\ & + p_{9,346} + p_{9,54} + 2p_{9,310} + p_{9,438} + 2p_{9,270} + p_{9,241} + p_{9,361} \\ & + p_{9,249} + p_{9,13} + p_{9,413} + 2p_{9,221} + p_{9,227} + 2p_{9,203} + 2p_{9,223}) \end{aligned}}$$

$$p_{10,392} = \frac{1}{2}p_{9,392} + \frac{1}{2}\sqrt{\begin{aligned} & p_{9,392}^2 - 4(p_{9,160} + p_{9,432} + p_{9,112} + p_{9,344} + p_{9,472} \\ & + p_{9,440} + p_{9,228} + p_{9,148} + p_{9,500} + p_{9,258} + 2p_{9,330} + p_{9,154} \\ & + p_{9,90} + 2p_{9,54} + p_{9,310} + p_{9,182} + 2p_{9,14} + p_{9,497} + p_{9,105} \\ & + p_{9,505} + p_{9,269} + p_{9,157} + 2p_{9,477} + p_{9,483} + 2p_{9,459} + 2p_{9,479}) \end{aligned}}$$

$$p_{10,904} = \frac{1}{2}p_{9,392} - \frac{1}{2}\sqrt{\begin{aligned} & p_{9,392}^2 - 4(p_{9,160} + p_{9,432} + p_{9,112} + p_{9,344} + p_{9,472} \\ & + p_{9,440} + p_{9,228} + p_{9,148} + p_{9,500} + p_{9,258} + 2p_{9,330} + p_{9,154} \\ & + p_{9,90} + 2p_{9,54} + p_{9,310} + p_{9,182} + 2p_{9,14} + p_{9,497} + p_{9,105} \\ & + p_{9,505} + p_{9,269} + p_{9,157} + 2p_{9,477} + p_{9,483} + 2p_{9,459} + 2p_{9,479}) \end{aligned}}$$

$$p_{10,72} = \frac{1}{2}p_{9,72} + \frac{1}{2}\sqrt{\begin{aligned} & p_{9,72}^2 - 4(p_{9,352} + p_{9,304} + p_{9,112} + p_{9,24} + p_{9,152} + p_{9,120} \\ & + p_{9,420} + p_{9,340} + p_{9,180} + p_{9,450} + 2p_{9,10} + p_{9,282} + p_{9,346} \\ & + p_{9,374} + 2p_{9,246} + p_{9,502} + 2p_{9,206} + p_{9,177} + p_{9,297} + p_{9,185} \\ & + p_{9,461} + 2p_{9,157} + p_{9,349} + p_{9,163} + 2p_{9,139} + 2p_{9,159}) \end{aligned}}$$

$$p_{10,584} = \frac{1}{2}p_{9,72} - \frac{1}{2}\sqrt{\begin{aligned} & p_{9,72}^2 - 4(p_{9,352} + p_{9,304} + p_{9,112} + p_{9,24} + p_{9,152} + p_{9,120} \\ & + p_{9,420} + p_{9,340} + p_{9,180} + p_{9,450} + 2p_{9,10} + p_{9,282} + p_{9,346} \\ & + p_{9,374} + 2p_{9,246} + p_{9,502} + 2p_{9,206} + p_{9,177} + p_{9,297} + p_{9,185} \\ & + p_{9,461} + 2p_{9,157} + p_{9,349} + p_{9,163} + 2p_{9,139} + 2p_{9,159}) \end{aligned}}$$

$$p_{10,328} = \frac{1}{2}p_{9,328} - \frac{1}{2}\sqrt{\begin{aligned} & p_{9,328}^2 - 4(p_{9,96} + p_{9,48} + p_{9,368} + p_{9,280} + p_{9,408} \\ & + p_{9,376} + p_{9,164} + p_{9,84} + p_{9,436} + p_{9,194} + 2p_{9,266} + p_{9,26} \\ & + p_{9,90} + p_{9,118} + p_{9,246} + 2p_{9,502} + 2p_{9,462} + p_{9,433} + p_{9,41} \\ & + p_{9,441} + p_{9,205} + 2p_{9,413} + p_{9,93} + p_{9,419} + 2p_{9,395} + 2p_{9,415}) \end{aligned}}$$

$$p_{10,840} = \frac{1}{2}p_{9,328} + \frac{1}{2}\sqrt{\begin{aligned} & p_{9,328}^2 - 4(p_{9,96} + p_{9,48} + p_{9,368} + p_{9,280} + p_{9,408} \\ & + p_{9,376} + p_{9,164} + p_{9,84} + p_{9,436} + p_{9,194} + 2p_{9,266} + p_{9,26} \\ & + p_{9,90} + p_{9,118} + p_{9,246} + 2p_{9,502} + 2p_{9,462} + p_{9,433} + p_{9,41} \\ & + p_{9,441} + p_{9,205} + 2p_{9,413} + p_{9,93} + p_{9,419} + 2p_{9,395} + 2p_{9,415}) \end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,712} = \frac{1}{2}p_{9,200} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,200}^2 - 4(p_{9,480} + p_{9,432} + p_{9,240} + p_{9,280} + p_{9,152}\\&+ p_{9,248} + p_{9,36} + p_{9,468} + p_{9,308} + p_{9,66} + 2p_{9,138} + p_{9,410}\\&+ p_{9,474} + p_{9,118} + 2p_{9,374} + p_{9,502} + 2p_{9,334} + p_{9,305} + p_{9,425}\\&+ p_{9,313} + p_{9,77} + 2p_{9,285} + p_{9,477} + p_{9,291} + 2p_{9,267} + 2p_{9,287})\end{aligned}}$$

$$p_{10,456} = \frac{1}{2}p_{9,456} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,456}^2 - 4(p_{9,224} + p_{9,176} + p_{9,496} + p_{9,24} + p_{9,408}\\&+ p_{9,504} + p_{9,292} + p_{9,212} + p_{9,52} + p_{9,322} + 2p_{9,394} + p_{9,154}\\&+ p_{9,218} + 2p_{9,118} + p_{9,374} + p_{9,246} + 2p_{9,78} + p_{9,49} + p_{9,169}\\&+ p_{9,57} + p_{9,333} + 2p_{9,29} + p_{9,221} + p_{9,35} + 2p_{9,11} + 2p_{9,31})\end{aligned}}$$

$$p_{10,968} = \frac{1}{2}p_{9,456} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,456}^2 - 4(p_{9,224} + p_{9,176} + p_{9,496} + p_{9,24} + p_{9,408}\\&+ p_{9,504} + p_{9,292} + p_{9,212} + p_{9,52} + p_{9,322} + 2p_{9,394} + p_{9,154}\\&+ p_{9,218} + 2p_{9,118} + p_{9,374} + p_{9,246} + 2p_{9,78} + p_{9,49} + p_{9,169}\\&+ p_{9,57} + p_{9,333} + 2p_{9,29} + p_{9,221} + p_{9,35} + 2p_{9,11} + 2p_{9,31})\end{aligned}}$$

$$p_{10,40} = \frac{1}{2}p_{9,40} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,40}^2 - 4(p_{9,320} + p_{9,272} + p_{9,80} + p_{9,88} + p_{9,120} + p_{9,504}\\&+ p_{9,388} + p_{9,148} + p_{9,308} + p_{9,418} + 2p_{9,490} + p_{9,314} + p_{9,250}\\&+ p_{9,342} + 2p_{9,214} + p_{9,470} + 2p_{9,174} + p_{9,145} + p_{9,265} + p_{9,153}\\&+ p_{9,429} + p_{9,317} + 2p_{9,125} + p_{9,131} + 2p_{9,107} + 2p_{9,127})\end{aligned}}$$

$$p_{10,552} = \frac{1}{2}p_{9,40} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,40}^2 - 4(p_{9,320} + p_{9,272} + p_{9,80} + p_{9,88} + p_{9,120} + p_{9,504}\\&+ p_{9,388} + p_{9,148} + p_{9,308} + p_{9,418} + 2p_{9,490} + p_{9,314} + p_{9,250}\\&+ p_{9,342} + 2p_{9,214} + p_{9,470} + 2p_{9,174} + p_{9,145} + p_{9,265} + p_{9,153}\\&+ p_{9,429} + p_{9,317} + 2p_{9,125} + p_{9,131} + 2p_{9,107} + 2p_{9,127})\end{aligned}}$$

$$p_{10,296} = \frac{1}{2}p_{9,296} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,296}^2 - 4(p_{9,64} + p_{9,16} + p_{9,336} + p_{9,344} + p_{9,376}\\&+ p_{9,248} + p_{9,132} + p_{9,404} + p_{9,52} + p_{9,162} + 2p_{9,234} + p_{9,58}\\&+ p_{9,506} + p_{9,86} + p_{9,214} + 2p_{9,470} + 2p_{9,430} + p_{9,401} + p_{9,9}\\&+ p_{9,409} + p_{9,173} + p_{9,61} + 2p_{9,381} + p_{9,387} + 2p_{9,363} + 2p_{9,383})\end{aligned}}$$

$$p_{10,808} = \frac{1}{2}p_{9,296} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,296}^2 - 4(p_{9,64} + p_{9,16} + p_{9,336} + p_{9,344} + p_{9,376}\\&+ p_{9,248} + p_{9,132} + p_{9,404} + p_{9,52} + p_{9,162} + 2p_{9,234} + p_{9,58}\\&+ p_{9,506} + p_{9,86} + p_{9,214} + 2p_{9,470} + 2p_{9,430} + p_{9,401} + p_{9,9}\\&+ p_{9,409} + p_{9,173} + p_{9,61} + 2p_{9,381} + p_{9,387} + 2p_{9,363} + 2p_{9,383})\end{aligned}}$$

$$p_{10,168} = \frac{1}{2}p_{9,168} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,168}^2 - 4(p_{9,448} + p_{9,400} + p_{9,208} + p_{9,216} + p_{9,120}\\&+ p_{9,248} + p_{9,4} + p_{9,276} + p_{9,436} + p_{9,34} + 2p_{9,106} + p_{9,442}\\&+ p_{9,378} + p_{9,86} + 2p_{9,342} + p_{9,470} + 2p_{9,302} + p_{9,273} + p_{9,393}\\&+ p_{9,281} + p_{9,45} + p_{9,445} + 2p_{9,253} + p_{9,259} + 2p_{9,235} + 2p_{9,255})\end{aligned}}$$

$$p_{10,680} = \frac{1}{2}p_{9,168} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,168}^2 - 4(p_{9,448} + p_{9,400} + p_{9,208} + p_{9,216} + p_{9,120}\\&+ p_{9,248} + p_{9,4} + p_{9,276} + p_{9,436} + p_{9,34} + 2p_{9,106} + p_{9,442}\\&+ p_{9,378} + p_{9,86} + 2p_{9,342} + p_{9,470} + 2p_{9,302} + p_{9,273} + p_{9,393}\\&+ p_{9,281} + p_{9,45} + p_{9,445} + 2p_{9,253} + p_{9,259} + 2p_{9,235} + 2p_{9,255})\end{aligned}}$$

$$p_{10,424} = \frac{1}{2}p_{9,424} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,424}^2 - 4(p_{9,192} + p_{9,144} + p_{9,464} + p_{9,472} + p_{9,376}\\&+ p_{9,504} + p_{9,260} + p_{9,20} + p_{9,180} + p_{9,290} + 2p_{9,362} + p_{9,186}\\&+ p_{9,122} + 2p_{9,86} + p_{9,342} + p_{9,214} + 2p_{9,46} + p_{9,17} + p_{9,137}\\&+ p_{9,25} + p_{9,301} + p_{9,189} + 2p_{9,509} + p_{9,3} + 2p_{9,491} + 2p_{9,511})\end{aligned}}$$

$$p_{10,936} = \frac{1}{2}p_{9,424} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,424}^2 - 4(p_{9,192} + p_{9,144} + p_{9,464} + p_{9,472} + p_{9,376}\\&+ p_{9,504} + p_{9,260} + p_{9,20} + p_{9,180} + p_{9,290} + 2p_{9,362} + p_{9,186}\\&+ p_{9,122} + 2p_{9,86} + p_{9,342} + p_{9,214} + 2p_{9,46} + p_{9,17} + p_{9,137}\\&+ p_{9,25} + p_{9,301} + p_{9,189} + 2p_{9,509} + p_{9,3} + 2p_{9,491} + 2p_{9,511})\end{aligned}}$$

$$p_{10,104} = \frac{1}{2}p_{9,104} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,104}^2 - 4(p_{9,384} + p_{9,144} + p_{9,336} + p_{9,152} + p_{9,56}\\&+ p_{9,184} + p_{9,452} + p_{9,212} + p_{9,372} + p_{9,482} + 2p_{9,42} + p_{9,314}\\&+ p_{9,378} + p_{9,22} + 2p_{9,278} + p_{9,406} + 2p_{9,238} + p_{9,209} + p_{9,329}\\&+ p_{9,217} + p_{9,493} + 2p_{9,189} + p_{9,381} + p_{9,195} + 2p_{9,171} + 2p_{9,191})\end{aligned}}$$

$$p_{10,616} = \frac{1}{2}p_{9,104} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,104}^2 - 4(p_{9,384} + p_{9,144} + p_{9,336} + p_{9,152} + p_{9,56}\\&+ p_{9,184} + p_{9,452} + p_{9,212} + p_{9,372} + p_{9,482} + 2p_{9,42} + p_{9,314}\\&+ p_{9,378} + p_{9,22} + 2p_{9,278} + p_{9,406} + 2p_{9,238} + p_{9,209} + p_{9,329}\\&+ p_{9,217} + p_{9,493} + 2p_{9,189} + p_{9,381} + p_{9,195} + 2p_{9,171} + 2p_{9,191})\end{aligned}}$$

$$p_{10,360} = \frac{1}{2}p_{9,360} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,360}^2 - 4(p_{9,128} + p_{9,400} + p_{9,80} + p_{9,408} + p_{9,312}\\&+ p_{9,440} + p_{9,196} + p_{9,468} + p_{9,116} + p_{9,226} + 2p_{9,298} + p_{9,58}\\&+ p_{9,122} + 2p_{9,22} + p_{9,278} + p_{9,150} + 2p_{9,494} + p_{9,465} + p_{9,73}\\&+ p_{9,473} + p_{9,237} + 2p_{9,445} + p_{9,125} + p_{9,451} + 2p_{9,427} + 2p_{9,447})\end{aligned}}$$

$$p_{10,872} = \frac{1}{2}p_{9,360} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,360}^2 - 4(p_{9,128} + p_{9,400} + p_{9,80} + p_{9,408} + p_{9,312}\\&+ p_{9,440} + p_{9,196} + p_{9,468} + p_{9,116} + p_{9,226} + 2p_{9,298} + p_{9,58}\\&+ p_{9,122} + 2p_{9,22} + p_{9,278} + p_{9,150} + 2p_{9,494} + p_{9,465} + p_{9,73}\\&+ p_{9,473} + p_{9,237} + 2p_{9,445} + p_{9,125} + p_{9,451} + 2p_{9,427} + 2p_{9,447})\end{aligned}}$$

2 unreferenced roots were skipped

$$p_{10,488} = \frac{1}{2}p_{9,488} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,488}^2 - 4(p_{9,256} + p_{9,16} + p_{9,208} + p_{9,24} + p_{9,56} + p_{9,440}\\&+ p_{9,324} + p_{9,84} + p_{9,244} + p_{9,354} + 2p_{9,426} + p_{9,186} + p_{9,250}\\&+ p_{9,278} + 2p_{9,150} + p_{9,406} + 2p_{9,110} + p_{9,81} + p_{9,201} + p_{9,89}\\&+ p_{9,365} + 2p_{9,61} + p_{9,253} + p_{9,67} + 2p_{9,43} + 2p_{9,63})\end{aligned}}$$

$$p_{10,1000} = \frac{1}{2}p_{9,488} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,488}^2 - 4(p_{9,256} + p_{9,16} + p_{9,208} + p_{9,24} + p_{9,56} + p_{9,440}\\&+ p_{9,324} + p_{9,84} + p_{9,244} + p_{9,354} + 2p_{9,426} + p_{9,186} + p_{9,250}\\&+ p_{9,278} + 2p_{9,150} + p_{9,406} + 2p_{9,110} + p_{9,81} + p_{9,201} + p_{9,89}\\&+ p_{9,365} + 2p_{9,61} + p_{9,253} + p_{9,67} + 2p_{9,43} + 2p_{9,63})\end{aligned}}$$

$$p_{10,24} = \frac{1}{2}p_{9,24} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,24}^2 - 4(p_{9,256} + p_{9,64} + p_{9,304} + p_{9,72} + p_{9,104} + p_{9,488}\\&+ p_{9,132} + p_{9,292} + p_{9,372} + p_{9,402} + p_{9,298} + p_{9,234} + 2p_{9,474}\\&+ p_{9,326} + 2p_{9,198} + p_{9,454} + 2p_{9,158} + p_{9,129} + p_{9,137} + p_{9,249}\\&+ p_{9,301} + 2p_{9,109} + p_{9,413} + p_{9,115} + 2p_{9,91} + 2p_{9,111})\end{aligned}}$$

$$p_{10,536} = \frac{1}{2}p_{9,24} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,24}^2 - 4(p_{9,256} + p_{9,64} + p_{9,304} + p_{9,72} + p_{9,104} + p_{9,488}\\&+ p_{9,132} + p_{9,292} + p_{9,372} + p_{9,402} + p_{9,298} + p_{9,234} + 2p_{9,474}\\&+ p_{9,326} + 2p_{9,198} + p_{9,454} + 2p_{9,158} + p_{9,129} + p_{9,137} + p_{9,249}\\&+ p_{9,301} + 2p_{9,109} + p_{9,413} + p_{9,115} + 2p_{9,91} + 2p_{9,111})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,792} = \frac{1}{2}p_{9,280} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,280}^2 - 4(p_{9,0} + p_{9,320} + p_{9,48} + p_{9,328} + p_{9,360} + p_{9,232}\\&+ p_{9,388} + p_{9,36} + p_{9,116} + p_{9,146} + p_{9,42} + p_{9,490} + 2p_{9,218}\\&+ p_{9,70} + p_{9,198} + 2p_{9,454} + 2p_{9,414} + p_{9,385} + p_{9,393} + p_{9,505}\\&+ p_{9,45} + 2p_{9,365} + p_{9,157} + p_{9,371} + 2p_{9,347} + 2p_{9,367})\end{aligned}}$$

$$p_{10,152} = \frac{1}{2}p_{9,152} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,152}^2 - 4(p_{9,384} + p_{9,192} + p_{9,432} + p_{9,200} + p_{9,104}\\&+ p_{9,232} + p_{9,260} + p_{9,420} + p_{9,500} + p_{9,18} + p_{9,426} + p_{9,362}\\&+ 2p_{9,90} + p_{9,70} + 2p_{9,326} + p_{9,454} + 2p_{9,286} + p_{9,257} + p_{9,265}\\&+ p_{9,377} + p_{9,429} + 2p_{9,237} + p_{9,29} + p_{9,243} + 2p_{9,219} + 2p_{9,239})\end{aligned}}$$

$$p_{10,664} = \frac{1}{2}p_{9,152} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,152}^2 - 4(p_{9,384} + p_{9,192} + p_{9,432} + p_{9,200} + p_{9,104}\\&+ p_{9,232} + p_{9,260} + p_{9,420} + p_{9,500} + p_{9,18} + p_{9,426} + p_{9,362}\\&+ 2p_{9,90} + p_{9,70} + 2p_{9,326} + p_{9,454} + 2p_{9,286} + p_{9,257} + p_{9,265}\\&+ p_{9,377} + p_{9,429} + 2p_{9,237} + p_{9,29} + p_{9,243} + 2p_{9,219} + 2p_{9,239})\end{aligned}}$$

$$p_{10,408} = \frac{1}{2}p_{9,408} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,408}^2 - 4(p_{9,128} + p_{9,448} + p_{9,176} + p_{9,456} + p_{9,360}\\&+ p_{9,488} + p_{9,4} + p_{9,164} + p_{9,244} + p_{9,274} + p_{9,170} + p_{9,106}\\&+ 2p_{9,346} + 2p_{9,70} + p_{9,326} + p_{9,198} + 2p_{9,30} + p_{9,1} + p_{9,9}\\&+ p_{9,121} + p_{9,173} + 2p_{9,493} + p_{9,285} + p_{9,499} + 2p_{9,475} + 2p_{9,495})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,88} = \frac{1}{2}p_{9,88} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,88}^2 - 4(p_{9,128} + p_{9,320} + p_{9,368} + p_{9,136} + p_{9,40} + p_{9,168}\\&+ p_{9,196} + p_{9,356} + p_{9,436} + p_{9,466} + p_{9,298} + p_{9,362} + 2p_{9,26}\\&+ p_{9,6} + 2p_{9,262} + p_{9,390} + 2p_{9,222} + p_{9,193} + p_{9,201} + p_{9,313}\\&+ 2p_{9,173} + p_{9,365} + p_{9,477} + p_{9,179} + 2p_{9,155} + 2p_{9,175})\end{aligned}}$$

$$p_{10,600} = \frac{1}{2}p_{9,88} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,88}^2 - 4(p_{9,128} + p_{9,320} + p_{9,368} + p_{9,136} + p_{9,40} + p_{9,168}\\&+ p_{9,196} + p_{9,356} + p_{9,436} + p_{9,466} + p_{9,298} + p_{9,362} + 2p_{9,26}\\&+ p_{9,6} + 2p_{9,262} + p_{9,390} + 2p_{9,222} + p_{9,193} + p_{9,201} + p_{9,313}\\&+ 2p_{9,173} + p_{9,365} + p_{9,477} + p_{9,179} + 2p_{9,155} + 2p_{9,175})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,856} = \frac{1}{2}p_{9,344} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,344}^2 - 4(p_{9,384} + p_{9,64} + p_{9,112} + p_{9,392} + p_{9,296}\\&+ p_{9,424} + p_{9,452} + p_{9,100} + p_{9,180} + p_{9,210} + p_{9,42} + p_{9,106}\\&+ 2p_{9,282} + 2p_{9,6} + p_{9,262} + p_{9,134} + 2p_{9,478} + p_{9,449} + p_{9,457}\\&+ p_{9,57} + 2p_{9,429} + p_{9,109} + p_{9,221} + p_{9,435} + 2p_{9,411} + 2p_{9,431})\end{aligned}}$$

$$p_{10,216} = \frac{1}{2}p_{9,216} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,216}^2 - 4(p_{9,256} + p_{9,448} + p_{9,496} + p_{9,264} + p_{9,296}\\&+ p_{9,168} + p_{9,324} + p_{9,484} + p_{9,52} + p_{9,82} + p_{9,426} + p_{9,490}\\&+ 2p_{9,154} + p_{9,6} + p_{9,134} + 2p_{9,390} + 2p_{9,350} + p_{9,321} + p_{9,329}\\&+ p_{9,441} + 2p_{9,301} + p_{9,493} + p_{9,93} + p_{9,307} + 2p_{9,283} + 2p_{9,303})\end{aligned}}$$

$$p_{10,728} = \frac{1}{2}p_{9,216} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,216}^2 - 4(p_{9,256} + p_{9,448} + p_{9,496} + p_{9,264} + p_{9,296}\\&+ p_{9,168} + p_{9,324} + p_{9,484} + p_{9,52} + p_{9,82} + p_{9,426} + p_{9,490}\\&+ 2p_{9,154} + p_{9,6} + p_{9,134} + 2p_{9,390} + 2p_{9,350} + p_{9,321} + p_{9,329}\\&+ p_{9,441} + 2p_{9,301} + p_{9,493} + p_{9,93} + p_{9,307} + 2p_{9,283} + 2p_{9,303})\end{aligned}}$$

$$p_{10,472} = \frac{1}{2}p_{9,472} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,472}^2 - 4(p_{9,0} + p_{9,192} + p_{9,240} + p_{9,8} + p_{9,40} + p_{9,424}\\&+ p_{9,68} + p_{9,228} + p_{9,308} + p_{9,338} + p_{9,170} + p_{9,234} + 2p_{9,410}\\&+ p_{9,262} + 2p_{9,134} + p_{9,390} + 2p_{9,94} + p_{9,65} + p_{9,73} + p_{9,185}\\&+ 2p_{9,45} + p_{9,237} + p_{9,349} + p_{9,51} + 2p_{9,27} + 2p_{9,47})\end{aligned}}$$

$$p_{10,984} = \frac{1}{2}p_{9,472} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,472}^2 - 4(p_{9,0} + p_{9,192} + p_{9,240} + p_{9,8} + p_{9,40} + p_{9,424}\\&+ p_{9,68} + p_{9,228} + p_{9,308} + p_{9,338} + p_{9,170} + p_{9,234} + 2p_{9,410}\\&+ p_{9,262} + 2p_{9,134} + p_{9,390} + 2p_{9,94} + p_{9,65} + p_{9,73} + p_{9,185}\\&+ 2p_{9,45} + p_{9,237} + p_{9,349} + p_{9,51} + 2p_{9,27} + 2p_{9,47})\end{aligned}}$$

$$p_{10,56} = \frac{1}{2}p_{9,56} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,56}^2 - 4(p_{9,288} + p_{9,96} + p_{9,336} + p_{9,8} + p_{9,136} + p_{9,104}\\&+ p_{9,324} + p_{9,164} + p_{9,404} + p_{9,434} + p_{9,266} + p_{9,330} + 2p_{9,506}\\&+ p_{9,358} + 2p_{9,230} + p_{9,486} + 2p_{9,190} + p_{9,161} + p_{9,169} + p_{9,281}\\&+ 2p_{9,141} + p_{9,333} + p_{9,445} + p_{9,147} + 2p_{9,123} + 2p_{9,143})\end{aligned}}$$

$$p_{10,568} = \frac{1}{2}p_{9,56} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,56}^2 - 4(p_{9,288} + p_{9,96} + p_{9,336} + p_{9,8} + p_{9,136} + p_{9,104}\\&+ p_{9,324} + p_{9,164} + p_{9,404} + p_{9,434} + p_{9,266} + p_{9,330} + 2p_{9,506}\\&+ p_{9,358} + 2p_{9,230} + p_{9,486} + 2p_{9,190} + p_{9,161} + p_{9,169} + p_{9,281}\\&+ 2p_{9,141} + p_{9,333} + p_{9,445} + p_{9,147} + 2p_{9,123} + 2p_{9,143})\end{aligned}}$$

$$p_{10,312} = \frac{1}{2}p_{9,312} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,312}^2 - 4(p_{9,32} + p_{9,352} + p_{9,80} + p_{9,264} + p_{9,392}\\ &+ p_{9,360} + p_{9,68} + p_{9,420} + p_{9,148} + p_{9,178} + p_{9,10} + p_{9,74}\\ &+ 2p_{9,250} + p_{9,102} + p_{9,230} + 2p_{9,486} + 2p_{9,446} + p_{9,417} + p_{9,425}\\ &+ p_{9,25} + 2p_{9,397} + p_{9,77} + p_{9,189} + p_{9,403} + 2p_{9,379} + 2p_{9,399})\end{aligned}}$$

$$p_{10,824} = \frac{1}{2}p_{9,312} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,312}^2 - 4(p_{9,32} + p_{9,352} + p_{9,80} + p_{9,264} + p_{9,392}\\ &+ p_{9,360} + p_{9,68} + p_{9,420} + p_{9,148} + p_{9,178} + p_{9,10} + p_{9,74}\\ &+ 2p_{9,250} + p_{9,102} + p_{9,230} + 2p_{9,486} + 2p_{9,446} + p_{9,417} + p_{9,425}\\ &+ p_{9,25} + 2p_{9,397} + p_{9,77} + p_{9,189} + p_{9,403} + 2p_{9,379} + 2p_{9,399})\end{aligned}}$$

$$p_{10,184} = \frac{1}{2}p_{9,184} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,184}^2 - 4(p_{9,416} + p_{9,224} + p_{9,464} + p_{9,264} + p_{9,136}\\ &+ p_{9,232} + p_{9,452} + p_{9,292} + p_{9,20} + p_{9,50} + p_{9,394} + p_{9,458}\\ &+ 2p_{9,122} + p_{9,102} + 2p_{9,358} + p_{9,486} + 2p_{9,318} + p_{9,289} + p_{9,297}\\ &+ p_{9,409} + 2p_{9,269} + p_{9,461} + p_{9,61} + p_{9,275} + 2p_{9,251} + 2p_{9,271})\end{aligned}}$$

$$p_{10,696} = \frac{1}{2}p_{9,184} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,184}^2 - 4(p_{9,416} + p_{9,224} + p_{9,464} + p_{9,264} + p_{9,136}\\ &+ p_{9,232} + p_{9,452} + p_{9,292} + p_{9,20} + p_{9,50} + p_{9,394} + p_{9,458}\\ &+ 2p_{9,122} + p_{9,102} + 2p_{9,358} + p_{9,486} + 2p_{9,318} + p_{9,289} + p_{9,297}\\ &+ p_{9,409} + 2p_{9,269} + p_{9,461} + p_{9,61} + p_{9,275} + 2p_{9,251} + 2p_{9,271})\end{aligned}}$$

$$p_{10,440} = \frac{1}{2}p_{9,440} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,440}^2 - 4(p_{9,160} + p_{9,480} + p_{9,208} + p_{9,8} + p_{9,392}\\ &+ p_{9,488} + p_{9,196} + p_{9,36} + p_{9,276} + p_{9,306} + p_{9,138} + p_{9,202}\\ &+ 2p_{9,378} + 2p_{9,102} + p_{9,358} + p_{9,230} + 2p_{9,62} + p_{9,33} + p_{9,41}\\ &+ p_{9,153} + 2p_{9,13} + p_{9,205} + p_{9,317} + p_{9,19} + 2p_{9,507} + 2p_{9,15})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,120} = \frac{1}{2}p_{9,120} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,120}^2 - 4(p_{9,160} + p_{9,352} + p_{9,400} + p_{9,72} + p_{9,200}\\ &+ p_{9,168} + p_{9,388} + p_{9,228} + p_{9,468} + p_{9,498} + p_{9,394} + p_{9,330}\\ &+ 2p_{9,58} + p_{9,38} + 2p_{9,294} + p_{9,422} + 2p_{9,254} + p_{9,225} + p_{9,233}\\ &+ p_{9,345} + p_{9,397} + 2p_{9,205} + p_{9,509} + p_{9,211} + 2p_{9,187} + 2p_{9,207})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,376} = \frac{1}{2}p_{9,376} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,376}^2 - 4(p_{9,416} + p_{9,96} + p_{9,144} + p_{9,328} + p_{9,456}\\ &+ p_{9,424} + p_{9,132} + p_{9,484} + p_{9,212} + p_{9,242} + p_{9,138} + p_{9,74}\\ &+ 2p_{9,314} + 2p_{9,38} + p_{9,294} + p_{9,166} + 2p_{9,510} + p_{9,481} + p_{9,489}\\ &+ p_{9,89} + p_{9,141} + 2p_{9,461} + p_{9,253} + p_{9,467} + 2p_{9,443} + 2p_{9,463})\end{aligned}}$$

$$p_{10,888} = \frac{1}{2}p_{9,376} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,376}^2 - 4(p_{9,416} + p_{9,96} + p_{9,144} + p_{9,328} + p_{9,456}\\ &+ p_{9,424} + p_{9,132} + p_{9,484} + p_{9,212} + p_{9,242} + p_{9,138} + p_{9,74}\\ &+ 2p_{9,314} + 2p_{9,38} + p_{9,294} + p_{9,166} + 2p_{9,510} + p_{9,481} + p_{9,489}\\ &+ p_{9,89} + p_{9,141} + 2p_{9,461} + p_{9,253} + p_{9,467} + 2p_{9,443} + 2p_{9,463})\end{aligned}}$$

$$p_{10,248} = \frac{1}{2}p_{9,248} - \frac{1}{2}\sqrt{\begin{array}{l} p_{9,248}^2 - 4(p_{9,288} + p_{9,480} + p_{9,16} + p_{9,328} + p_{9,200} \\ + p_{9,296} + p_{9,4} + p_{9,356} + p_{9,84} + p_{9,114} + p_{9,10} + p_{9,458} \\ + 2p_{9,186} + p_{9,38} + p_{9,166} + 2p_{9,422} + 2p_{9,382} + p_{9,353} + p_{9,361} \\ + p_{9,473} + p_{9,13} + 2p_{9,333} + p_{9,125} + p_{9,339} + 2p_{9,315} + 2p_{9,335}) \end{array}}$$

$$p_{10,760} = \frac{1}{2}p_{9,248} + \frac{1}{2}\sqrt{\begin{array}{l} p_{9,248}^2 - 4(p_{9,288} + p_{9,480} + p_{9,16} + p_{9,328} + p_{9,200} \\ + p_{9,296} + p_{9,4} + p_{9,356} + p_{9,84} + p_{9,114} + p_{9,10} + p_{9,458} \\ + 2p_{9,186} + p_{9,38} + p_{9,166} + 2p_{9,422} + 2p_{9,382} + p_{9,353} + p_{9,361} \\ + p_{9,473} + p_{9,13} + 2p_{9,333} + p_{9,125} + p_{9,339} + 2p_{9,315} + 2p_{9,335}) \end{array}}$$

1 unreferenced roots were skipped

$$p_{10,1016} = \frac{1}{2}p_{9,504} + \frac{1}{2}\sqrt{\begin{array}{l} p_{9,504}^2 - 4(p_{9,32} + p_{9,224} + p_{9,272} + p_{9,72} + p_{9,456} + p_{9,40} \\ + p_{9,260} + p_{9,100} + p_{9,340} + p_{9,370} + p_{9,266} + p_{9,202} + 2p_{9,442} \\ + p_{9,294} + 2p_{9,166} + p_{9,422} + 2p_{9,126} + p_{9,97} + p_{9,105} + p_{9,217} \\ + p_{9,269} + 2p_{9,77} + p_{9,381} + p_{9,83} + 2p_{9,59} + 2p_{9,79}) \end{array}}$$

$$p_{10,4} = \frac{1}{2}p_{9,4} + \frac{1}{2}\sqrt{\begin{array}{l} p_{9,4}^2 - 4(p_{9,352} + p_{9,272} + p_{9,112} + p_{9,84} + p_{9,468} + p_{9,52} \\ + p_{9,44} + p_{9,236} + p_{9,284} + p_{9,306} + 2p_{9,178} + p_{9,434} + 2p_{9,138} \\ + 2p_{9,454} + p_{9,278} + p_{9,214} + p_{9,382} + p_{9,393} + p_{9,281} + 2p_{9,89} \\ + p_{9,229} + p_{9,117} + p_{9,109} + 2p_{9,91} + 2p_{9,71} + p_{9,95}) \end{array}}$$

$$p_{10,516} = \frac{1}{2}p_{9,4} - \frac{1}{2}\sqrt{\begin{array}{l} p_{9,4}^2 - 4(p_{9,352} + p_{9,272} + p_{9,112} + p_{9,84} + p_{9,468} + p_{9,52} \\ + p_{9,44} + p_{9,236} + p_{9,284} + p_{9,306} + 2p_{9,178} + p_{9,434} + 2p_{9,138} \\ + 2p_{9,454} + p_{9,278} + p_{9,214} + p_{9,382} + p_{9,393} + p_{9,281} + 2p_{9,89} \\ + p_{9,229} + p_{9,117} + p_{9,109} + 2p_{9,91} + 2p_{9,71} + p_{9,95}) \end{array}}$$

$$p_{10,260} = \frac{1}{2}p_{9,260} - \frac{1}{2}\sqrt{\begin{array}{l} p_{9,260}^2 - 4(p_{9,96} + p_{9,16} + p_{9,368} + p_{9,340} + p_{9,212} + p_{9,308} \\ + p_{9,300} + p_{9,492} + p_{9,28} + p_{9,50} + p_{9,178} + 2p_{9,434} + 2p_{9,394} \\ + 2p_{9,198} + p_{9,22} + p_{9,470} + p_{9,126} + p_{9,137} + p_{9,25} + 2p_{9,345} \\ + p_{9,485} + p_{9,373} + p_{9,365} + 2p_{9,347} + 2p_{9,327} + p_{9,351}) \end{array}}$$

$$p_{10,772} = \frac{1}{2}p_{9,260} + \frac{1}{2}\sqrt{\begin{array}{l} p_{9,260}^2 - 4(p_{9,96} + p_{9,16} + p_{9,368} + p_{9,340} + p_{9,212} + p_{9,308} \\ + p_{9,300} + p_{9,492} + p_{9,28} + p_{9,50} + p_{9,178} + 2p_{9,434} + 2p_{9,394} \\ + 2p_{9,198} + p_{9,22} + p_{9,470} + p_{9,126} + p_{9,137} + p_{9,25} + 2p_{9,345} \\ + p_{9,485} + p_{9,373} + p_{9,365} + 2p_{9,347} + 2p_{9,327} + p_{9,351}) \end{array}}$$

$$p_{10,132} = \frac{1}{2}p_{9,132} - \frac{1}{2}\sqrt{\begin{array}{l} p_{9,132}^2 - 4(p_{9,480} + p_{9,400} + p_{9,240} + p_{9,84} + p_{9,212} \\ + p_{9,180} + p_{9,172} + p_{9,364} + p_{9,412} + p_{9,50} + 2p_{9,306} + p_{9,434} \\ + 2p_{9,266} + 2p_{9,70} + p_{9,406} + p_{9,342} + p_{9,510} + p_{9,9} + p_{9,409} \\ + 2p_{9,217} + p_{9,357} + p_{9,245} + p_{9,237} + 2p_{9,219} + 2p_{9,199} + p_{9,223}) \end{array}}$$

$$p_{10,644} = \frac{1}{2}p_{9,132} + \frac{1}{2}\sqrt{\begin{array}{l} p_{9,132}^2 - 4(p_{9,480} + p_{9,400} + p_{9,240} + p_{9,84} + p_{9,212} \\ + p_{9,180} + p_{9,172} + p_{9,364} + p_{9,412} + p_{9,50} + 2p_{9,306} + p_{9,434} \\ + 2p_{9,266} + 2p_{9,70} + p_{9,406} + p_{9,342} + p_{9,510} + p_{9,9} + p_{9,409} \\ + 2p_{9,217} + p_{9,357} + p_{9,245} + p_{9,237} + 2p_{9,219} + 2p_{9,199} + p_{9,223}) \end{array}}$$

$$p_{10,388} = \frac{1}{2}p_{9,388} + \frac{1}{2}\sqrt{\begin{array}{l} p_{9,388}^2 - 4(p_{9,224} + p_{9,144} + p_{9,496} + p_{9,340} + p_{9,468} \\ + p_{9,436} + p_{9,428} + p_{9,108} + p_{9,156} + 2p_{9,50} + p_{9,306} + p_{9,178} \\ + 2p_{9,10} + 2p_{9,326} + p_{9,150} + p_{9,86} + p_{9,254} + p_{9,265} + p_{9,153} \\ + 2p_{9,473} + p_{9,101} + p_{9,501} + p_{9,493} + 2p_{9,475} + 2p_{9,455} + p_{9,479}) \end{array}}$$

$$p_{10,900} = \frac{1}{2}p_{9,388} - \frac{1}{2}\sqrt{\begin{array}{l} p_{9,388}^2 - 4(p_{9,224} + p_{9,144} + p_{9,496} + p_{9,340} + p_{9,468} \\ + p_{9,436} + p_{9,428} + p_{9,108} + p_{9,156} + 2p_{9,50} + p_{9,306} + p_{9,178} \\ + 2p_{9,10} + 2p_{9,326} + p_{9,150} + p_{9,86} + p_{9,254} + p_{9,265} + p_{9,153} \\ + 2p_{9,473} + p_{9,101} + p_{9,501} + p_{9,493} + 2p_{9,475} + 2p_{9,455} + p_{9,479}) \end{array}}$$

$$p_{10,68} = \frac{1}{2}p_{9,68} - \frac{1}{2}\sqrt{\begin{array}{l} p_{9,68}^2 - 4(p_{9,416} + p_{9,336} + p_{9,176} + p_{9,20} + p_{9,148} + p_{9,116} \\ + p_{9,300} + p_{9,108} + p_{9,348} + p_{9,370} + 2p_{9,242} + p_{9,498} + 2p_{9,202} \\ + 2p_{9,6} + p_{9,278} + p_{9,342} + p_{9,446} + p_{9,457} + 2p_{9,153} + p_{9,345} \\ + p_{9,293} + p_{9,181} + p_{9,173} + 2p_{9,155} + 2p_{9,135} + p_{9,159}) \end{array}}$$

1 unreferenced roots were skipped

$$p_{10,324} = \frac{1}{2}p_{9,324} + \frac{1}{2}\sqrt{\begin{array}{l} p_{9,324}^2 - 4(p_{9,160} + p_{9,80} + p_{9,432} + p_{9,276} + p_{9,404} \\ + p_{9,372} + p_{9,44} + p_{9,364} + p_{9,92} + p_{9,114} + p_{9,242} + 2p_{9,498} \\ + 2p_{9,458} + 2p_{9,262} + p_{9,22} + p_{9,86} + p_{9,190} + p_{9,201} + 2p_{9,409} \\ + p_{9,89} + p_{9,37} + p_{9,437} + p_{9,429} + 2p_{9,411} + 2p_{9,391} + p_{9,415}) \end{array}}$$

1 unreferenced roots were skipped

$$p_{10,196} = \frac{1}{2}p_{9,196} - \frac{1}{2}\sqrt{\begin{array}{l} p_{9,196}^2 - 4(p_{9,32} + p_{9,464} + p_{9,304} + p_{9,276} + p_{9,148} \\ + p_{9,244} + p_{9,428} + p_{9,236} + p_{9,476} + p_{9,114} + 2p_{9,370} + p_{9,498} \\ + 2p_{9,330} + 2p_{9,134} + p_{9,406} + p_{9,470} + p_{9,62} + p_{9,73} + 2p_{9,281} \\ + p_{9,473} + p_{9,421} + p_{9,309} + p_{9,301} + 2p_{9,283} + 2p_{9,263} + p_{9,287}) \end{array}}$$

$$p_{10,708} = \frac{1}{2}p_{9,196} + \frac{1}{2}\sqrt{\begin{array}{l} p_{9,196}^2 - 4(p_{9,32} + p_{9,464} + p_{9,304} + p_{9,276} + p_{9,148} \\ + p_{9,244} + p_{9,428} + p_{9,236} + p_{9,476} + p_{9,114} + 2p_{9,370} + p_{9,498} \\ + 2p_{9,330} + 2p_{9,134} + p_{9,406} + p_{9,470} + p_{9,62} + p_{9,73} + 2p_{9,281} \\ + p_{9,473} + p_{9,421} + p_{9,309} + p_{9,301} + 2p_{9,283} + 2p_{9,263} + p_{9,287}) \end{array}}$$

$$p_{10,452} = \frac{1}{2}p_{9,452} - \frac{1}{2}\sqrt{\begin{array}{l} p_{9,452}^2 - 4(p_{9,288} + p_{9,208} + p_{9,48} + p_{9,20} + p_{9,404} \\ + p_{9,500} + p_{9,172} + p_{9,492} + p_{9,220} + 2p_{9,114} + p_{9,370} + p_{9,242} \\ + 2p_{9,74} + 2p_{9,390} + p_{9,150} + p_{9,214} + p_{9,318} + p_{9,329} + 2p_{9,25} \\ + p_{9,217} + p_{9,165} + p_{9,53} + p_{9,45} + 2p_{9,27} + 2p_{9,7} + p_{9,31}) \end{array}}$$

$$p_{10,964} = \frac{1}{2}p_{9,452} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,452}^2 - 4(p_{9,288} + p_{9,208} + p_{9,48} + p_{9,20} + p_{9,404}\\&+ p_{9,500} + p_{9,172} + p_{9,492} + p_{9,220} + 2p_{9,114} + p_{9,370} + p_{9,242}\\&+ 2p_{9,74} + 2p_{9,390} + p_{9,150} + p_{9,214} + p_{9,318} + p_{9,329} + 2p_{9,25}\\&+ p_{9,217} + p_{9,165} + p_{9,53} + p_{9,45} + 2p_{9,27} + 2p_{9,7} + p_{9,31})\end{aligned}}$$

$$p_{10,36} = \frac{1}{2}p_{9,36} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,36}^2 - 4(p_{9,384} + p_{9,144} + p_{9,304} + p_{9,84} + p_{9,116} + p_{9,500}\\&+ p_{9,268} + p_{9,76} + p_{9,316} + p_{9,338} + 2p_{9,210} + p_{9,466} + 2p_{9,170}\\&+ 2p_{9,486} + p_{9,310} + p_{9,246} + p_{9,414} + p_{9,425} + p_{9,313} + 2p_{9,121}\\&+ p_{9,261} + p_{9,149} + p_{9,141} + 2p_{9,123} + 2p_{9,103} + p_{9,127})\end{aligned}}$$

$$p_{10,548} = \frac{1}{2}p_{9,36} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,36}^2 - 4(p_{9,384} + p_{9,144} + p_{9,304} + p_{9,84} + p_{9,116} + p_{9,500}\\&+ p_{9,268} + p_{9,76} + p_{9,316} + p_{9,338} + 2p_{9,210} + p_{9,466} + 2p_{9,170}\\&+ 2p_{9,486} + p_{9,310} + p_{9,246} + p_{9,414} + p_{9,425} + p_{9,313} + 2p_{9,121}\\&+ p_{9,261} + p_{9,149} + p_{9,141} + 2p_{9,123} + 2p_{9,103} + p_{9,127})\end{aligned}}$$

$$p_{10,292} = \frac{1}{2}p_{9,292} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,292}^2 - 4(p_{9,128} + p_{9,400} + p_{9,48} + p_{9,340} + p_{9,372}\\&+ p_{9,244} + p_{9,12} + p_{9,332} + p_{9,60} + p_{9,82} + p_{9,210} + 2p_{9,466}\\&+ 2p_{9,426} + 2p_{9,230} + p_{9,54} + p_{9,502} + p_{9,158} + p_{9,169} + p_{9,57}\\&+ 2p_{9,377} + p_{9,5} + p_{9,405} + p_{9,397} + 2p_{9,379} + 2p_{9,359} + p_{9,383})\end{aligned}}$$

$$p_{10,804} = \frac{1}{2}p_{9,292} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,292}^2 - 4(p_{9,128} + p_{9,400} + p_{9,48} + p_{9,340} + p_{9,372}\\&+ p_{9,244} + p_{9,12} + p_{9,332} + p_{9,60} + p_{9,82} + p_{9,210} + 2p_{9,466}\\&+ 2p_{9,426} + 2p_{9,230} + p_{9,54} + p_{9,502} + p_{9,158} + p_{9,169} + p_{9,57}\\&+ 2p_{9,377} + p_{9,5} + p_{9,405} + p_{9,397} + 2p_{9,379} + 2p_{9,359} + p_{9,383})\end{aligned}}$$

$$p_{10,164} = \frac{1}{2}p_{9,164} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,164}^2 - 4(p_{9,0} + p_{9,272} + p_{9,432} + p_{9,212} + p_{9,116} + p_{9,244}\\&+ p_{9,396} + p_{9,204} + p_{9,444} + p_{9,82} + 2p_{9,338} + p_{9,466} + 2p_{9,298}\\&+ 2p_{9,102} + p_{9,438} + p_{9,374} + p_{9,30} + p_{9,41} + p_{9,441} + 2p_{9,249}\\&+ p_{9,389} + p_{9,277} + p_{9,269} + 2p_{9,251} + 2p_{9,231} + p_{9,255})\end{aligned}}$$

$$p_{10,676} = \frac{1}{2}p_{9,164} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,164}^2 - 4(p_{9,0} + p_{9,272} + p_{9,432} + p_{9,212} + p_{9,116} + p_{9,244}\\&+ p_{9,396} + p_{9,204} + p_{9,444} + p_{9,82} + 2p_{9,338} + p_{9,466} + 2p_{9,298}\\&+ 2p_{9,102} + p_{9,438} + p_{9,374} + p_{9,30} + p_{9,41} + p_{9,441} + 2p_{9,249}\\&+ p_{9,389} + p_{9,277} + p_{9,269} + 2p_{9,251} + 2p_{9,231} + p_{9,255})\end{aligned}}$$

$$p_{10,420} = \frac{1}{2}p_{9,420} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,420}^2 - 4(p_{9,256} + p_{9,16} + p_{9,176} + p_{9,468} + p_{9,372}\\&+ p_{9,500} + p_{9,140} + p_{9,460} + p_{9,188} + 2p_{9,82} + p_{9,338} + p_{9,210}\\&+ 2p_{9,42} + 2p_{9,358} + p_{9,182} + p_{9,118} + p_{9,286} + p_{9,297} + p_{9,185}\\&+ 2p_{9,505} + p_{9,133} + p_{9,21} + p_{9,13} + 2p_{9,507} + 2p_{9,487} + p_{9,511})\end{aligned}}$$

$$p_{10,932} = \frac{1}{2}p_{9,420} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,420}^2 - 4(p_{9,256} + p_{9,16} + p_{9,176} + p_{9,468} + p_{9,372}\\&+ p_{9,500} + p_{9,140} + p_{9,460} + p_{9,188} + 2p_{9,82} + p_{9,338} + p_{9,210}\\&+ 2p_{9,42} + 2p_{9,358} + p_{9,182} + p_{9,118} + p_{9,286} + p_{9,297} + p_{9,185}\\&+ 2p_{9,505} + p_{9,133} + p_{9,21} + p_{9,13} + 2p_{9,507} + 2p_{9,487} + p_{9,511})\end{aligned}}$$

2 unreferenced roots were skipped

$$p_{10,356} = \frac{1}{2}p_{9,356} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,356}^2 - 4(p_{9,192} + p_{9,464} + p_{9,112} + p_{9,404} + p_{9,308}\\&+ p_{9,436} + p_{9,396} + p_{9,76} + p_{9,124} + 2p_{9,18} + p_{9,274} + p_{9,146}\\&+ 2p_{9,490} + 2p_{9,294} + p_{9,54} + p_{9,118} + p_{9,222} + p_{9,233} + 2p_{9,441}\\&+ p_{9,121} + p_{9,69} + p_{9,469} + p_{9,461} + 2p_{9,443} + 2p_{9,423} + p_{9,447})\end{aligned}}$$

$$p_{10,868} = \frac{1}{2}p_{9,356} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,356}^2 - 4(p_{9,192} + p_{9,464} + p_{9,112} + p_{9,404} + p_{9,308}\\&+ p_{9,436} + p_{9,396} + p_{9,76} + p_{9,124} + 2p_{9,18} + p_{9,274} + p_{9,146}\\&+ 2p_{9,490} + 2p_{9,294} + p_{9,54} + p_{9,118} + p_{9,222} + p_{9,233} + 2p_{9,441}\\&+ p_{9,121} + p_{9,69} + p_{9,469} + p_{9,461} + 2p_{9,443} + 2p_{9,423} + p_{9,447})\end{aligned}}$$

$$p_{10,228} = \frac{1}{2}p_{9,228} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,228}^2 - 4(p_{9,64} + p_{9,336} + p_{9,496} + p_{9,276} + p_{9,308}\\&+ p_{9,180} + p_{9,268} + p_{9,460} + p_{9,508} + p_{9,18} + p_{9,146} + 2p_{9,402}\\&+ 2p_{9,362} + 2p_{9,166} + p_{9,438} + p_{9,502} + p_{9,94} + p_{9,105} + 2p_{9,313}\\&+ p_{9,505} + p_{9,453} + p_{9,341} + p_{9,333} + 2p_{9,315} + 2p_{9,295} + p_{9,319})\end{aligned}}$$

$$p_{10,740} = \frac{1}{2}p_{9,228} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,228}^2 - 4(p_{9,64} + p_{9,336} + p_{9,496} + p_{9,276} + p_{9,308}\\&+ p_{9,180} + p_{9,268} + p_{9,460} + p_{9,508} + p_{9,18} + p_{9,146} + 2p_{9,402}\\&+ 2p_{9,362} + 2p_{9,166} + p_{9,438} + p_{9,502} + p_{9,94} + p_{9,105} + 2p_{9,313}\\&+ p_{9,505} + p_{9,453} + p_{9,341} + p_{9,333} + 2p_{9,315} + 2p_{9,295} + p_{9,319})\end{aligned}}$$

2 unreferenced roots were skipped

$$p_{10,20} = \frac{1}{2}p_{9,20} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,20}^2 - 4(p_{9,128} + p_{9,288} + p_{9,368} + p_{9,68} + p_{9,100} + p_{9,484}\\&+ p_{9,300} + p_{9,60} + p_{9,252} + p_{9,322} + 2p_{9,194} + p_{9,450} + 2p_{9,154}\\&+ p_{9,294} + p_{9,230} + 2p_{9,470} + p_{9,398} + p_{9,297} + 2p_{9,105} + p_{9,409}\\&+ p_{9,133} + p_{9,245} + p_{9,125} + 2p_{9,107} + 2p_{9,87} + p_{9,111})\end{aligned}}$$

$$p_{10,532} = \frac{1}{2}p_{9,20} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,20}^2 - 4(p_{9,128} + p_{9,288} + p_{9,368} + p_{9,68} + p_{9,100} + p_{9,484}\\&+ p_{9,300} + p_{9,60} + p_{9,252} + p_{9,322} + 2p_{9,194} + p_{9,450} + 2p_{9,154}\\&+ p_{9,294} + p_{9,230} + 2p_{9,470} + p_{9,398} + p_{9,297} + 2p_{9,105} + p_{9,409}\\&+ p_{9,133} + p_{9,245} + p_{9,125} + 2p_{9,107} + 2p_{9,87} + p_{9,111})\end{aligned}}$$

$$p_{10,276} = \frac{1}{2}p_{9,276} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,276}^2 - 4(p_{9,384} + p_{9,32} + p_{9,112} + p_{9,324} + p_{9,356}\\&+ p_{9,228} + p_{9,44} + p_{9,316} + p_{9,508} + p_{9,66} + p_{9,194} + 2p_{9,450}\\&+ 2p_{9,410} + p_{9,38} + p_{9,486} + 2p_{9,214} + p_{9,142} + p_{9,41} + 2p_{9,361}\\&+ p_{9,153} + p_{9,389} + p_{9,501} + p_{9,381} + 2p_{9,363} + 2p_{9,343} + p_{9,367})\end{aligned}}$$

$$p_{10,788} = \frac{1}{2}p_{9,276} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,276}^2 - 4(p_{9,384} + p_{9,32} + p_{9,112} + p_{9,324} + p_{9,356}\\&+ p_{9,228} + p_{9,44} + p_{9,316} + p_{9,508} + p_{9,66} + p_{9,194} + 2p_{9,450}\\&+ 2p_{9,410} + p_{9,38} + p_{9,486} + 2p_{9,214} + p_{9,142} + p_{9,41} + 2p_{9,361}\\&+ p_{9,153} + p_{9,389} + p_{9,501} + p_{9,381} + 2p_{9,363} + 2p_{9,343} + p_{9,367})\end{aligned}}$$

$$p_{10,148} = \frac{1}{2}p_{9,148} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,148}^2 - 4(p_{9,256} + p_{9,416} + p_{9,496} + p_{9,196} + p_{9,100}\\&+ p_{9,228} + p_{9,428} + p_{9,188} + p_{9,380} + p_{9,66} + 2p_{9,322} + p_{9,450}\\&+ 2p_{9,282} + p_{9,422} + p_{9,358} + 2p_{9,86} + p_{9,14} + p_{9,425} + 2p_{9,233}\\&+ p_{9,25} + p_{9,261} + p_{9,373} + p_{9,253} + 2p_{9,235} + 2p_{9,215} + p_{9,239})\end{aligned}}$$

$$p_{10,660} = \frac{1}{2}p_{9,148} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,148}^2 - 4(p_{9,256} + p_{9,416} + p_{9,496} + p_{9,196} + p_{9,100}\\&+ p_{9,228} + p_{9,428} + p_{9,188} + p_{9,380} + p_{9,66} + 2p_{9,322} + p_{9,450}\\&+ 2p_{9,282} + p_{9,422} + p_{9,358} + 2p_{9,86} + p_{9,14} + p_{9,425} + 2p_{9,233}\\&+ p_{9,25} + p_{9,261} + p_{9,373} + p_{9,253} + 2p_{9,235} + 2p_{9,215} + p_{9,239})\end{aligned}}$$

$$p_{10,404} = \frac{1}{2}p_{9,404} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,404}^2 - 4(p_{9,0} + p_{9,160} + p_{9,240} + p_{9,452} + p_{9,356} + p_{9,484}\\&+ p_{9,172} + p_{9,444} + p_{9,124} + 2p_{9,66} + p_{9,322} + p_{9,194} + 2p_{9,26}\\&+ p_{9,166} + p_{9,102} + 2p_{9,342} + p_{9,270} + p_{9,169} + 2p_{9,489} + p_{9,281}\\&+ p_{9,5} + p_{9,117} + p_{9,509} + 2p_{9,491} + 2p_{9,471} + p_{9,495})\end{aligned}}$$

$$p_{10,916} = \frac{1}{2}p_{9,404} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,404}^2 - 4(p_{9,0} + p_{9,160} + p_{9,240} + p_{9,452} + p_{9,356} + p_{9,484}\\&+ p_{9,172} + p_{9,444} + p_{9,124} + 2p_{9,66} + p_{9,322} + p_{9,194} + 2p_{9,26}\\&+ p_{9,166} + p_{9,102} + 2p_{9,342} + p_{9,270} + p_{9,169} + 2p_{9,489} + p_{9,281}\\&+ p_{9,5} + p_{9,117} + p_{9,509} + 2p_{9,491} + 2p_{9,471} + p_{9,495})\end{aligned}}$$

$$p_{10,84} = \frac{1}{2}p_{9,84} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,84}^2 - 4(p_{9,192} + p_{9,352} + p_{9,432} + p_{9,132} + p_{9,36} + p_{9,164}\\&+ p_{9,364} + p_{9,316} + p_{9,124} + p_{9,2} + 2p_{9,258} + p_{9,386} + 2p_{9,218}\\&+ p_{9,294} + p_{9,358} + 2p_{9,22} + p_{9,462} + 2p_{9,169} + p_{9,361} + p_{9,473}\\&+ p_{9,197} + p_{9,309} + p_{9,189} + 2p_{9,171} + 2p_{9,151} + p_{9,175})\end{aligned}}$$

2 unreferenced roots were skipped

$$p_{10,852} = \frac{1}{2}p_{9,340} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,340}^2 - 4(p_{9,448} + p_{9,96} + p_{9,176} + p_{9,388} + p_{9,292}\\&+ p_{9,420} + p_{9,108} + p_{9,60} + p_{9,380} + 2p_{9,2} + p_{9,258} + p_{9,130}\\&+ 2p_{9,474} + p_{9,38} + p_{9,102} + 2p_{9,278} + p_{9,206} + 2p_{9,425} + p_{9,105}\\&+ p_{9,217} + p_{9,453} + p_{9,53} + p_{9,445} + 2p_{9,427} + 2p_{9,407} + p_{9,431})\end{aligned}}$$

$$p_{10,212} = \frac{1}{2}p_{9,212} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,212}^2 - 4(p_{9,320} + p_{9,480} + p_{9,48} + p_{9,260} + p_{9,292}\\&+ p_{9,164} + p_{9,492} + p_{9,444} + p_{9,252} + p_{9,2} + p_{9,130} + 2p_{9,386}\\&+ 2p_{9,346} + p_{9,422} + p_{9,486} + 2p_{9,150} + p_{9,78} + 2p_{9,297} + p_{9,489}\\&+ p_{9,89} + p_{9,325} + p_{9,437} + p_{9,317} + 2p_{9,299} + 2p_{9,279} + p_{9,303})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,468} = \frac{1}{2}p_{9,468} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,468}^2 - 4(p_{9,64} + p_{9,224} + p_{9,304} + p_{9,4} + p_{9,36} + p_{9,420}\\&+ p_{9,236} + p_{9,188} + p_{9,508} + p_{9,258} + 2p_{9,130} + p_{9,386} + 2p_{9,90}\\&+ p_{9,166} + p_{9,230} + 2p_{9,406} + p_{9,334} + 2p_{9,41} + p_{9,233} + p_{9,345}\\&+ p_{9,69} + p_{9,181} + p_{9,61} + 2p_{9,43} + 2p_{9,23} + p_{9,47})\end{aligned}}$$

$$p_{10,980} = \frac{1}{2}p_{9,468} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,468}^2 - 4(p_{9,64} + p_{9,224} + p_{9,304} + p_{9,4} + p_{9,36} + p_{9,420}\\&+ p_{9,236} + p_{9,188} + p_{9,508} + p_{9,258} + 2p_{9,130} + p_{9,386} + 2p_{9,90}\\&+ p_{9,166} + p_{9,230} + 2p_{9,406} + p_{9,334} + 2p_{9,41} + p_{9,233} + p_{9,345}\\&+ p_{9,69} + p_{9,181} + p_{9,61} + 2p_{9,43} + 2p_{9,23} + p_{9,47})\end{aligned}}$$

$$p_{10,52} = \frac{1}{2}p_{9,52} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,52}^2 - 4(p_{9,320} + p_{9,160} + p_{9,400} + p_{9,4} + p_{9,132} + p_{9,100}\\&+ p_{9,332} + p_{9,284} + p_{9,92} + p_{9,354} + 2p_{9,226} + p_{9,482} + 2p_{9,186}\\&+ p_{9,262} + p_{9,326} + 2p_{9,502} + p_{9,430} + 2p_{9,137} + p_{9,329} + p_{9,441}\\&+ p_{9,165} + p_{9,277} + p_{9,157} + 2p_{9,139} + 2p_{9,119} + p_{9,143})\end{aligned}}$$

$$p_{10,564} = \frac{1}{2}p_{9,52} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,52}^2 - 4(p_{9,320} + p_{9,160} + p_{9,400} + p_{9,4} + p_{9,132} + p_{9,100}\\&+ p_{9,332} + p_{9,284} + p_{9,92} + p_{9,354} + 2p_{9,226} + p_{9,482} + 2p_{9,186}\\&+ p_{9,262} + p_{9,326} + 2p_{9,502} + p_{9,430} + 2p_{9,137} + p_{9,329} + p_{9,441}\\&+ p_{9,165} + p_{9,277} + p_{9,157} + 2p_{9,139} + 2p_{9,119} + p_{9,143})\end{aligned}}$$

$$p_{10,308} = \frac{1}{2}p_{9,308} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,308}^2 - 4(p_{9,64} + p_{9,416} + p_{9,144} + p_{9,260} + p_{9,388}\\&+ p_{9,356} + p_{9,76} + p_{9,28} + p_{9,348} + p_{9,98} + p_{9,226} + 2p_{9,482}\\&+ 2p_{9,442} + p_{9,6} + p_{9,70} + 2p_{9,246} + p_{9,174} + 2p_{9,393} + p_{9,73}\\&+ p_{9,185} + p_{9,421} + p_{9,21} + p_{9,413} + 2p_{9,395} + 2p_{9,375} + p_{9,399})\end{aligned}}$$

$$p_{10,820} = \frac{1}{2}p_{9,308} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,308}^2 - 4(p_{9,64} + p_{9,416} + p_{9,144} + p_{9,260} + p_{9,388}\\&+ p_{9,356} + p_{9,76} + p_{9,28} + p_{9,348} + p_{9,98} + p_{9,226} + 2p_{9,482}\\&+ 2p_{9,442} + p_{9,6} + p_{9,70} + 2p_{9,246} + p_{9,174} + 2p_{9,393} + p_{9,73}\\&+ p_{9,185} + p_{9,421} + p_{9,21} + p_{9,413} + 2p_{9,395} + 2p_{9,375} + p_{9,399})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,692} = \frac{1}{2}p_{9,180} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,180}^2 - 4(p_{9,448} + p_{9,288} + p_{9,16} + p_{9,260} + p_{9,132}\\&+ p_{9,228} + p_{9,460} + p_{9,412} + p_{9,220} + p_{9,98} + 2p_{9,354} + p_{9,482}\\&+ 2p_{9,314} + p_{9,390} + p_{9,454} + 2p_{9,118} + p_{9,46} + 2p_{9,265} + p_{9,457}\\&+ p_{9,57} + p_{9,293} + p_{9,405} + p_{9,285} + 2p_{9,267} + 2p_{9,247} + p_{9,271})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,948} = \frac{1}{2}p_{9,436} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,436}^2 - 4(p_{9,192} + p_{9,32} + p_{9,272} + p_{9,4} + p_{9,388}\\&+ p_{9,484} + p_{9,204} + p_{9,156} + p_{9,476} + 2p_{9,98} + p_{9,354} + p_{9,226}\\&+ 2p_{9,58} + p_{9,134} + p_{9,198} + 2p_{9,374} + p_{9,302} + 2p_{9,9} + p_{9,201}\\&+ p_{9,313} + p_{9,37} + p_{9,149} + p_{9,29} + 2p_{9,11} + 2p_{9,503} + p_{9,15})\end{aligned}}$$

$$p_{10,116} = \frac{1}{2}p_{9,116} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,116}^2 - 4(p_{9,384} + p_{9,224} + p_{9,464} + p_{9,68} + p_{9,196}\\&+ p_{9,164} + p_{9,396} + p_{9,156} + p_{9,348} + p_{9,34} + 2p_{9,290} + p_{9,418}\\&+ 2p_{9,250} + p_{9,390} + p_{9,326} + 2p_{9,54} + p_{9,494} + p_{9,393} + 2p_{9,201}\\&+ p_{9,505} + p_{9,229} + p_{9,341} + p_{9,221} + 2p_{9,203} + 2p_{9,183} + p_{9,207})\end{aligned}}$$

$$p_{10,628} = \frac{1}{2}p_{9,116} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,116}^2 - 4(p_{9,384} + p_{9,224} + p_{9,464} + p_{9,68} + p_{9,196}\\&+ p_{9,164} + p_{9,396} + p_{9,156} + p_{9,348} + p_{9,34} + 2p_{9,290} + p_{9,418}\\&+ 2p_{9,250} + p_{9,390} + p_{9,326} + 2p_{9,54} + p_{9,494} + p_{9,393} + 2p_{9,201}\\&+ p_{9,505} + p_{9,229} + p_{9,341} + p_{9,221} + 2p_{9,203} + 2p_{9,183} + p_{9,207})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,884} = \frac{1}{2}p_{9,372} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,372}^2 - 4(p_{9,128} + p_{9,480} + p_{9,208} + p_{9,324} + p_{9,452}\\&+ p_{9,420} + p_{9,140} + p_{9,412} + p_{9,92} + 2p_{9,34} + p_{9,290} + p_{9,162}\\&+ 2p_{9,506} + p_{9,134} + p_{9,70} + 2p_{9,310} + p_{9,238} + p_{9,137} + 2p_{9,457}\\&+ p_{9,249} + p_{9,485} + p_{9,85} + p_{9,477} + 2p_{9,459} + 2p_{9,439} + p_{9,463})\end{aligned}}$$

$$p_{10,244} = \frac{1}{2}p_{9,244} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,244}^2 - 4(p_{9,0} + p_{9,352} + p_{9,80} + p_{9,324} + p_{9,196} + p_{9,292}\\&+ p_{9,12} + p_{9,284} + p_{9,476} + p_{9,34} + p_{9,162} + 2p_{9,418} + 2p_{9,378}\\&+ p_{9,6} + p_{9,454} + 2p_{9,182} + p_{9,110} + p_{9,9} + 2p_{9,329} + p_{9,121}\\&+ p_{9,357} + p_{9,469} + p_{9,349} + 2p_{9,331} + 2p_{9,311} + p_{9,335})\end{aligned}}$$

$$p_{10,756} = \frac{1}{2}p_{9,244} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,244}^2 - 4(p_{9,0} + p_{9,352} + p_{9,80} + p_{9,324} + p_{9,196} + p_{9,292}\\&+ p_{9,12} + p_{9,284} + p_{9,476} + p_{9,34} + p_{9,162} + 2p_{9,418} + 2p_{9,378}\\&+ p_{9,6} + p_{9,454} + 2p_{9,182} + p_{9,110} + p_{9,9} + 2p_{9,329} + p_{9,121}\\&+ p_{9,357} + p_{9,469} + p_{9,349} + 2p_{9,331} + 2p_{9,311} + p_{9,335})\end{aligned}}$$

$$p_{10,500} = \frac{1}{2}p_{9,500} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,500}^2 - 4(p_{9,256} + p_{9,96} + p_{9,336} + p_{9,68} + p_{9,452} + p_{9,36}\\&+ p_{9,268} + p_{9,28} + p_{9,220} + p_{9,290} + 2p_{9,162} + p_{9,418} + 2p_{9,122}\\&+ p_{9,262} + p_{9,198} + 2p_{9,438} + p_{9,366} + p_{9,265} + 2p_{9,73} + p_{9,377}\\&+ p_{9,101} + p_{9,213} + p_{9,93} + 2p_{9,75} + 2p_{9,55} + p_{9,79})\end{aligned}}$$

$$p_{10,1012} = \frac{1}{2}p_{9,500} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,500}^2 - 4(p_{9,256} + p_{9,96} + p_{9,336} + p_{9,68} + p_{9,452} + p_{9,36}\\&+ p_{9,268} + p_{9,28} + p_{9,220} + p_{9,290} + 2p_{9,162} + p_{9,418} + 2p_{9,122}\\&+ p_{9,262} + p_{9,198} + 2p_{9,438} + p_{9,366} + p_{9,265} + 2p_{9,73} + p_{9,377}\\&+ p_{9,101} + p_{9,213} + p_{9,93} + 2p_{9,75} + 2p_{9,55} + p_{9,79})\end{aligned}}$$

$$p_{10,12} = \frac{1}{2}p_{9,12} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,12}^2 - 4(p_{9,360} + p_{9,280} + p_{9,120} + p_{9,292} + p_{9,52}\\&+ p_{9,244} + p_{9,92} + p_{9,476} + p_{9,60} + 2p_{9,146} + p_{9,314} + 2p_{9,186}\\&+ p_{9,442} + p_{9,390} + 2p_{9,462} + p_{9,286} + p_{9,222} + p_{9,289} + 2p_{9,97}\\&+ p_{9,401} + p_{9,117} + p_{9,237} + p_{9,125} + 2p_{9,99} + p_{9,103} + 2p_{9,79})\end{aligned}}$$

$$p_{10,524} = \frac{1}{2}p_{9,12} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,12}^2 - 4(p_{9,360} + p_{9,280} + p_{9,120} + p_{9,292} + p_{9,52}\\&+ p_{9,244} + p_{9,92} + p_{9,476} + p_{9,60} + 2p_{9,146} + p_{9,314} + 2p_{9,186}\\&+ p_{9,442} + p_{9,390} + 2p_{9,462} + p_{9,286} + p_{9,222} + p_{9,289} + 2p_{9,97}\\&+ p_{9,401} + p_{9,117} + p_{9,237} + p_{9,125} + 2p_{9,99} + p_{9,103} + 2p_{9,79})\end{aligned}}$$

$$p_{10,268} = \frac{1}{2}p_{9,268} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,268}^2 - 4(p_{9,104} + p_{9,24} + p_{9,376} + p_{9,36} + p_{9,308} + p_{9,500}\\&+ p_{9,348} + p_{9,220} + p_{9,316} + 2p_{9,402} + p_{9,58} + p_{9,186} + 2p_{9,442}\\&+ p_{9,134} + 2p_{9,206} + p_{9,30} + p_{9,478} + p_{9,33} + 2p_{9,353} + p_{9,145}\\&+ p_{9,373} + p_{9,493} + p_{9,381} + 2p_{9,355} + p_{9,359} + 2p_{9,335})\end{aligned}}$$

$$p_{10,780} = \frac{1}{2}p_{9,268} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,268}^2 - 4(p_{9,104} + p_{9,24} + p_{9,376} + p_{9,36} + p_{9,308} + p_{9,500}\\&+ p_{9,348} + p_{9,220} + p_{9,316} + 2p_{9,402} + p_{9,58} + p_{9,186} + 2p_{9,442}\\&+ p_{9,134} + 2p_{9,206} + p_{9,30} + p_{9,478} + p_{9,33} + 2p_{9,353} + p_{9,145}\\&+ p_{9,373} + p_{9,493} + p_{9,381} + 2p_{9,355} + p_{9,359} + 2p_{9,335})\end{aligned}}$$

2 unreferenced roots were skipped

$$p_{10,396} = \frac{1}{2}p_{9,396} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,396}^2 - 4(p_{9,232} + p_{9,152} + p_{9,504} + p_{9,164} + p_{9,436}\\&+ p_{9,116} + p_{9,348} + p_{9,476} + p_{9,444} + 2p_{9,18} + 2p_{9,58} + p_{9,314}\\&+ p_{9,186} + p_{9,262} + 2p_{9,334} + p_{9,158} + p_{9,94} + p_{9,161} + 2p_{9,481}\\&+ p_{9,273} + p_{9,501} + p_{9,109} + p_{9,509} + 2p_{9,483} + p_{9,487} + 2p_{9,463})\end{aligned}}$$

$$p_{10,908} = \frac{1}{2}p_{9,396} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,396}^2 - 4(p_{9,232} + p_{9,152} + p_{9,504} + p_{9,164} + p_{9,436}\\&+ p_{9,116} + p_{9,348} + p_{9,476} + p_{9,444} + 2p_{9,18} + 2p_{9,58} + p_{9,314}\\&+ p_{9,186} + p_{9,262} + 2p_{9,334} + p_{9,158} + p_{9,94} + p_{9,161} + 2p_{9,481}\\&+ p_{9,273} + p_{9,501} + p_{9,109} + p_{9,509} + 2p_{9,483} + p_{9,487} + 2p_{9,463})\end{aligned}}$$

$$p_{10,76} = \frac{1}{2}p_{9,76} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,76}^2 - 4(p_{9,424} + p_{9,344} + p_{9,184} + p_{9,356} + p_{9,308}\\&+ p_{9,116} + p_{9,28} + p_{9,156} + p_{9,124} + 2p_{9,210} + p_{9,378} + 2p_{9,250}\\&+ p_{9,506} + p_{9,454} + 2p_{9,14} + p_{9,286} + p_{9,350} + 2p_{9,161} + p_{9,353}\\&+ p_{9,465} + p_{9,181} + p_{9,301} + p_{9,189} + 2p_{9,163} + p_{9,167} + 2p_{9,143})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,332} = \frac{1}{2}p_{9,332} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,332}^2 - 4(p_{9,168} + p_{9,88} + p_{9,440} + p_{9,100} + p_{9,52} + p_{9,372}\\&+ p_{9,284} + p_{9,412} + p_{9,380} + 2p_{9,466} + p_{9,122} + p_{9,250} + 2p_{9,506}\\&+ p_{9,198} + 2p_{9,270} + p_{9,30} + p_{9,94} + 2p_{9,417} + p_{9,97} + p_{9,209}\\&+ p_{9,437} + p_{9,45} + p_{9,445} + 2p_{9,419} + p_{9,423} + 2p_{9,399})\end{aligned}}$$

$$p_{10,844} = \frac{1}{2}p_{9,332} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,332}^2 - 4(p_{9,168} + p_{9,88} + p_{9,440} + p_{9,100} + p_{9,52} + p_{9,372}\\&+ p_{9,284} + p_{9,412} + p_{9,380} + 2p_{9,466} + p_{9,122} + p_{9,250} + 2p_{9,506}\\&+ p_{9,198} + 2p_{9,270} + p_{9,30} + p_{9,94} + 2p_{9,417} + p_{9,97} + p_{9,209}\\&+ p_{9,437} + p_{9,45} + p_{9,445} + 2p_{9,419} + p_{9,423} + 2p_{9,399})\end{aligned}}$$

$$p_{10,204} = \frac{1}{2}p_{9,204} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,204}^2 - 4(p_{9,40} + p_{9,472} + p_{9,312} + p_{9,484} + p_{9,436}\\&+ p_{9,244} + p_{9,284} + p_{9,156} + p_{9,252} + 2p_{9,338} + p_{9,122} + 2p_{9,378}\\&+ p_{9,506} + p_{9,70} + 2p_{9,142} + p_{9,414} + p_{9,478} + 2p_{9,289} + p_{9,481}\\&+ p_{9,81} + p_{9,309} + p_{9,429} + p_{9,317} + 2p_{9,291} + p_{9,295} + 2p_{9,271})\end{aligned}}$$

$$p_{10,716} = \frac{1}{2}p_{9,204} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,204}^2 - 4(p_{9,40} + p_{9,472} + p_{9,312} + p_{9,484} + p_{9,436}\\&+ p_{9,244} + p_{9,284} + p_{9,156} + p_{9,252} + 2p_{9,338} + p_{9,122} + 2p_{9,378}\\&+ p_{9,506} + p_{9,70} + 2p_{9,142} + p_{9,414} + p_{9,478} + 2p_{9,289} + p_{9,481}\\&+ p_{9,81} + p_{9,309} + p_{9,429} + p_{9,317} + 2p_{9,291} + p_{9,295} + 2p_{9,271})\end{aligned}}$$

$$p_{10,460} = \frac{1}{2}p_{9,460} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,460}^2 - 4(p_{9,296} + p_{9,216} + p_{9,56} + p_{9,228} + p_{9,180}\\&+ p_{9,500} + p_{9,28} + p_{9,412} + p_{9,508} + 2p_{9,82} + 2p_{9,122} + p_{9,378}\\&+ p_{9,250} + p_{9,326} + 2p_{9,398} + p_{9,158} + p_{9,222} + 2p_{9,33} + p_{9,225}\\&+ p_{9,337} + p_{9,53} + p_{9,173} + p_{9,61} + 2p_{9,35} + p_{9,39} + 2p_{9,15})\end{aligned}}$$

$$p_{10,972} = \frac{1}{2}p_{9,460} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,460}^2 - 4(p_{9,296} + p_{9,216} + p_{9,56} + p_{9,228} + p_{9,180}\\&+ p_{9,500} + p_{9,28} + p_{9,412} + p_{9,508} + 2p_{9,82} + 2p_{9,122} + p_{9,378}\\&+ p_{9,250} + p_{9,326} + 2p_{9,398} + p_{9,158} + p_{9,222} + 2p_{9,33} + p_{9,225}\\&+ p_{9,337} + p_{9,53} + p_{9,173} + p_{9,61} + 2p_{9,35} + p_{9,39} + 2p_{9,15})\end{aligned}}$$

$$p_{10,44} = \frac{1}{2}p_{9,44} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,44}^2 - 4(p_{9,392} + p_{9,152} + p_{9,312} + p_{9,324} + p_{9,276} + p_{9,84}\\&+ p_{9,92} + p_{9,124} + p_{9,508} + 2p_{9,178} + p_{9,346} + 2p_{9,218} + p_{9,474}\\&+ p_{9,422} + 2p_{9,494} + p_{9,318} + p_{9,254} + 2p_{9,129} + p_{9,321} + p_{9,433}\\&+ p_{9,149} + p_{9,269} + p_{9,157} + 2p_{9,131} + p_{9,135} + 2p_{9,111})\end{aligned}}$$

$$p_{10,556} = \frac{1}{2}p_{9,44} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,44}^2 - 4(p_{9,392} + p_{9,152} + p_{9,312} + p_{9,324} + p_{9,276} + p_{9,84}\\&+ p_{9,92} + p_{9,124} + p_{9,508} + 2p_{9,178} + p_{9,346} + 2p_{9,218} + p_{9,474}\\&+ p_{9,422} + 2p_{9,494} + p_{9,318} + p_{9,254} + 2p_{9,129} + p_{9,321} + p_{9,433}\\&+ p_{9,149} + p_{9,269} + p_{9,157} + 2p_{9,131} + p_{9,135} + 2p_{9,111})\end{aligned}}$$

$$p_{10,300} = \frac{1}{2}p_{9,300} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,300}^2 - 4(p_{9,136} + p_{9,408} + p_{9,56} + p_{9,68} + p_{9,20} + p_{9,340}\\&+ p_{9,348} + p_{9,380} + p_{9,252} + 2p_{9,434} + p_{9,90} + p_{9,218} + 2p_{9,474}\\&+ p_{9,166} + 2p_{9,238} + p_{9,62} + p_{9,510} + 2p_{9,385} + p_{9,65} + p_{9,177}\\&+ p_{9,405} + p_{9,13} + p_{9,413} + 2p_{9,387} + p_{9,391} + 2p_{9,367})\end{aligned}}$$

$$p_{10,812} = \frac{1}{2}p_{9,300} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,300}^2 - 4(p_{9,136} + p_{9,408} + p_{9,56} + p_{9,68} + p_{9,20} + p_{9,340}\\&+ p_{9,348} + p_{9,380} + p_{9,252} + 2p_{9,434} + p_{9,90} + p_{9,218} + 2p_{9,474}\\&+ p_{9,166} + 2p_{9,238} + p_{9,62} + p_{9,510} + 2p_{9,385} + p_{9,65} + p_{9,177}\\&+ p_{9,405} + p_{9,13} + p_{9,413} + 2p_{9,387} + p_{9,391} + 2p_{9,367})\end{aligned}}$$

$$p_{10,172} = \frac{1}{2}p_{9,172} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,172}^2 - 4(p_{9,8} + p_{9,280} + p_{9,440} + p_{9,452} + p_{9,404} + p_{9,212}\\&+ p_{9,220} + p_{9,124} + p_{9,252} + 2p_{9,306} + p_{9,90} + 2p_{9,346} + p_{9,474}\\&+ p_{9,38} + 2p_{9,110} + p_{9,446} + p_{9,382} + 2p_{9,257} + p_{9,449} + p_{9,49}\\&+ p_{9,277} + p_{9,397} + p_{9,285} + 2p_{9,259} + p_{9,263} + 2p_{9,239})\end{aligned}}$$

$$p_{10,684} = \frac{1}{2}p_{9,172} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,172}^2 - 4(p_{9,8} + p_{9,280} + p_{9,440} + p_{9,452} + p_{9,404} + p_{9,212}\\&+ p_{9,220} + p_{9,124} + p_{9,252} + 2p_{9,306} + p_{9,90} + 2p_{9,346} + p_{9,474}\\&+ p_{9,38} + 2p_{9,110} + p_{9,446} + p_{9,382} + 2p_{9,257} + p_{9,449} + p_{9,49}\\&+ p_{9,277} + p_{9,397} + p_{9,285} + 2p_{9,259} + p_{9,263} + 2p_{9,239})\end{aligned}}$$

3 unreferenced roots were skipped

$$p_{10,620} = \frac{1}{2}p_{9,108} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,108}^2 - 4(p_{9,456} + p_{9,216} + p_{9,376} + p_{9,388} + p_{9,148}\\&+ p_{9,340} + p_{9,156} + p_{9,60} + p_{9,188} + 2p_{9,242} + p_{9,26} + 2p_{9,282}\\&+ p_{9,410} + p_{9,486} + 2p_{9,46} + p_{9,318} + p_{9,382} + p_{9,385} + 2p_{9,193}\\&+ p_{9,497} + p_{9,213} + p_{9,333} + p_{9,221} + 2p_{9,195} + p_{9,199} + 2p_{9,175})\end{aligned}}$$

$$p_{10,364} = \frac{1}{2}p_{9,364} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,364}^2 - 4(p_{9,200} + p_{9,472} + p_{9,120} + p_{9,132} + p_{9,404}\\&+ p_{9,84} + p_{9,412} + p_{9,316} + p_{9,444} + 2p_{9,498} + 2p_{9,26} + p_{9,282}\\&+ p_{9,154} + p_{9,230} + 2p_{9,302} + p_{9,62} + p_{9,126} + p_{9,129} + 2p_{9,449}\\&+ p_{9,241} + p_{9,469} + p_{9,77} + p_{9,477} + 2p_{9,451} + p_{9,455} + 2p_{9,431})\end{aligned}}$$

$$p_{10,876} = \frac{1}{2}p_{9,364} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,364}^2 - 4(p_{9,200} + p_{9,472} + p_{9,120} + p_{9,132} + p_{9,404}\\&+ p_{9,84} + p_{9,412} + p_{9,316} + p_{9,444} + 2p_{9,498} + 2p_{9,26} + p_{9,282}\\&+ p_{9,154} + p_{9,230} + 2p_{9,302} + p_{9,62} + p_{9,126} + p_{9,129} + 2p_{9,449}\\&+ p_{9,241} + p_{9,469} + p_{9,77} + p_{9,477} + 2p_{9,451} + p_{9,455} + 2p_{9,431})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,748} = \frac{1}{2}p_{9,236} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,236}^2 - 4(p_{9,72} + p_{9,344} + p_{9,504} + p_{9,4} + p_{9,276} + p_{9,468}\\&+ p_{9,284} + p_{9,316} + p_{9,188} + 2p_{9,370} + p_{9,26} + p_{9,154} + 2p_{9,410}\\&+ p_{9,102} + 2p_{9,174} + p_{9,446} + p_{9,510} + p_{9,1} + 2p_{9,321} + p_{9,113}\\&+ p_{9,341} + p_{9,461} + p_{9,349} + 2p_{9,323} + p_{9,327} + 2p_{9,303})\end{aligned}}$$

$$p_{10,492} = \frac{1}{2}p_{9,492} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,492}^2 - 4(p_{9,328} + p_{9,88} + p_{9,248} + p_{9,260} + p_{9,20}\\&+ p_{9,212} + p_{9,28} + p_{9,60} + p_{9,444} + 2p_{9,114} + p_{9,282} + 2p_{9,154}\\&+ p_{9,410} + p_{9,358} + 2p_{9,430} + p_{9,190} + p_{9,254} + p_{9,257} + 2p_{9,65}\\&+ p_{9,369} + p_{9,85} + p_{9,205} + p_{9,93} + 2p_{9,67} + p_{9,71} + 2p_{9,47})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,28} = \frac{1}{2}p_{9,28} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,28}^2 - 4(p_{9,136} + p_{9,296} + p_{9,376} + p_{9,260} + p_{9,68} + p_{9,308}\\&+ p_{9,76} + p_{9,108} + p_{9,492} + 2p_{9,162} + p_{9,330} + 2p_{9,202} + p_{9,458}\\&+ p_{9,406} + p_{9,302} + p_{9,238} + 2p_{9,478} + p_{9,417} + p_{9,305} + 2p_{9,113}\\&+ p_{9,133} + p_{9,141} + p_{9,253} + 2p_{9,115} + p_{9,119} + 2p_{9,95})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,284} = \frac{1}{2}p_{9,284} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,284}^2 - 4(p_{9,392} + p_{9,40} + p_{9,120} + p_{9,4} + p_{9,324} + p_{9,52}\\&+ p_{9,332} + p_{9,364} + p_{9,236} + 2p_{9,418} + p_{9,74} + p_{9,202} + 2p_{9,458}\\&+ p_{9,150} + p_{9,46} + p_{9,494} + 2p_{9,222} + p_{9,161} + p_{9,49} + 2p_{9,369}\\&+ p_{9,389} + p_{9,397} + p_{9,509} + 2p_{9,371} + p_{9,375} + 2p_{9,351})\end{aligned}}$$

$$p_{10,796} = \frac{1}{2}p_{9,284} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,284}^2 - 4(p_{9,392} + p_{9,40} + p_{9,120} + p_{9,4} + p_{9,324} + p_{9,52}\\&+ p_{9,332} + p_{9,364} + p_{9,236} + 2p_{9,418} + p_{9,74} + p_{9,202} + 2p_{9,458}\\&+ p_{9,150} + p_{9,46} + p_{9,494} + 2p_{9,222} + p_{9,161} + p_{9,49} + 2p_{9,369}\\&+ p_{9,389} + p_{9,397} + p_{9,509} + 2p_{9,371} + p_{9,375} + 2p_{9,351})\end{aligned}}$$

$$p_{10,156} = \frac{1}{2}p_{9,156} + \frac{1}{2}\sqrt{\begin{aligned} & p_{9,156}^2 - 4(p_{9,264} + p_{9,424} + p_{9,504} + p_{9,388} + p_{9,196} \\ & + p_{9,436} + p_{9,204} + p_{9,108} + p_{9,236} + 2p_{9,290} + p_{9,74} + 2p_{9,330} \\ & + p_{9,458} + p_{9,22} + p_{9,430} + p_{9,366} + 2p_{9,94} + p_{9,33} + p_{9,433} \\ & + 2p_{9,241} + p_{9,261} + p_{9,269} + p_{9,381} + 2p_{9,243} + p_{9,247} + 2p_{9,223}) \end{aligned}}$$

$$p_{10,668} = \frac{1}{2}p_{9,156} - \frac{1}{2}\sqrt{\begin{aligned} & p_{9,156}^2 - 4(p_{9,264} + p_{9,424} + p_{9,504} + p_{9,388} + p_{9,196} \\ & + p_{9,436} + p_{9,204} + p_{9,108} + p_{9,236} + 2p_{9,290} + p_{9,74} + 2p_{9,330} \\ & + p_{9,458} + p_{9,22} + p_{9,430} + p_{9,366} + 2p_{9,94} + p_{9,33} + p_{9,433} \\ & + 2p_{9,241} + p_{9,261} + p_{9,269} + p_{9,381} + 2p_{9,243} + p_{9,247} + 2p_{9,223}) \end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,924} = \frac{1}{2}p_{9,412} - \frac{1}{2}\sqrt{\begin{aligned} & p_{9,412}^2 - 4(p_{9,8} + p_{9,168} + p_{9,248} + p_{9,132} + p_{9,452} \\ & + p_{9,180} + p_{9,460} + p_{9,364} + p_{9,492} + 2p_{9,34} + 2p_{9,74} + p_{9,330} \\ & + p_{9,202} + p_{9,278} + p_{9,174} + p_{9,110} + 2p_{9,350} + p_{9,289} + p_{9,177} \\ & + 2p_{9,497} + p_{9,5} + p_{9,13} + p_{9,125} + 2p_{9,499} + p_{9,503} + 2p_{9,479}) \end{aligned}}$$

$$p_{10,92} = \frac{1}{2}p_{9,92} + \frac{1}{2}\sqrt{\begin{aligned} & p_{9,92}^2 - 4(p_{9,200} + p_{9,360} + p_{9,440} + p_{9,132} + p_{9,324} \\ & + p_{9,372} + p_{9,140} + p_{9,44} + p_{9,172} + 2p_{9,226} + p_{9,10} + 2p_{9,266} \\ & + p_{9,394} + p_{9,470} + p_{9,302} + p_{9,366} + 2p_{9,30} + p_{9,481} + 2p_{9,177} \\ & + p_{9,369} + p_{9,197} + p_{9,205} + p_{9,317} + 2p_{9,179} + p_{9,183} + 2p_{9,159}) \end{aligned}}$$

$$p_{10,604} = \frac{1}{2}p_{9,92} - \frac{1}{2}\sqrt{\begin{aligned} & p_{9,92}^2 - 4(p_{9,200} + p_{9,360} + p_{9,440} + p_{9,132} + p_{9,324} \\ & + p_{9,372} + p_{9,140} + p_{9,44} + p_{9,172} + 2p_{9,226} + p_{9,10} + 2p_{9,266} \\ & + p_{9,394} + p_{9,470} + p_{9,302} + p_{9,366} + 2p_{9,30} + p_{9,481} + 2p_{9,177} \\ & + p_{9,369} + p_{9,197} + p_{9,205} + p_{9,317} + 2p_{9,179} + p_{9,183} + 2p_{9,159}) \end{aligned}}$$

3 unreferenced roots were skipped

$$p_{10,732} = \frac{1}{2}p_{9,220} - \frac{1}{2}\sqrt{\begin{aligned} & p_{9,220}^2 - 4(p_{9,328} + p_{9,488} + p_{9,56} + p_{9,260} + p_{9,452} \\ & + p_{9,500} + p_{9,268} + p_{9,300} + p_{9,172} + 2p_{9,354} + p_{9,10} + p_{9,138} \\ & + 2p_{9,394} + p_{9,86} + p_{9,430} + p_{9,494} + 2p_{9,158} + p_{9,97} + 2p_{9,305} \\ & + p_{9,497} + p_{9,325} + p_{9,333} + p_{9,445} + 2p_{9,307} + p_{9,311} + 2p_{9,287}) \end{aligned}}$$

$$p_{10,476} = \frac{1}{2}p_{9,476} - \frac{1}{2}\sqrt{\begin{aligned} & p_{9,476}^2 - 4(p_{9,72} + p_{9,232} + p_{9,312} + p_{9,4} + p_{9,196} \\ & + p_{9,244} + p_{9,12} + p_{9,44} + p_{9,428} + 2p_{9,98} + p_{9,266} + 2p_{9,138} \\ & + p_{9,394} + p_{9,342} + p_{9,174} + p_{9,238} + 2p_{9,414} + p_{9,353} + 2p_{9,49} \\ & + p_{9,241} + p_{9,69} + p_{9,77} + p_{9,189} + 2p_{9,51} + p_{9,55} + 2p_{9,31}) \end{aligned}}$$

$$p_{10,988} = \frac{1}{2}p_{9,476} + \frac{1}{2}\sqrt{\begin{aligned} & p_{9,476}^2 - 4(p_{9,72} + p_{9,232} + p_{9,312} + p_{9,4} + p_{9,196} \\ & + p_{9,244} + p_{9,12} + p_{9,44} + p_{9,428} + 2p_{9,98} + p_{9,266} + 2p_{9,138} \\ & + p_{9,394} + p_{9,342} + p_{9,174} + p_{9,238} + 2p_{9,414} + p_{9,353} + 2p_{9,49} \\ & + p_{9,241} + p_{9,69} + p_{9,77} + p_{9,189} + 2p_{9,51} + p_{9,55} + 2p_{9,31}) \end{aligned}}$$

$$p_{10,60} = \frac{1}{2}p_{9,60} + \frac{1}{2}\sqrt{\begin{array}{l}p_{9,60}^2 - 4(p_{9,328} + p_{9,168} + p_{9,408} + p_{9,292} + p_{9,100} + p_{9,340} \\ + p_{9,12} + p_{9,140} + p_{9,108} + 2p_{9,194} + p_{9,362} + 2p_{9,234} + p_{9,490} \\ + p_{9,438} + p_{9,270} + p_{9,334} + 2p_{9,510} + p_{9,449} + 2p_{9,145} + p_{9,337} \\ + p_{9,165} + p_{9,173} + p_{9,285} + 2p_{9,147} + p_{9,151} + 2p_{9,127})\end{array}}$$

$$p_{10,572} = \frac{1}{2}p_{9,60} - \frac{1}{2}\sqrt{\begin{array}{l}p_{9,60}^2 - 4(p_{9,328} + p_{9,168} + p_{9,408} + p_{9,292} + p_{9,100} + p_{9,340} \\ + p_{9,12} + p_{9,140} + p_{9,108} + 2p_{9,194} + p_{9,362} + 2p_{9,234} + p_{9,490} \\ + p_{9,438} + p_{9,270} + p_{9,334} + 2p_{9,510} + p_{9,449} + 2p_{9,145} + p_{9,337} \\ + p_{9,165} + p_{9,173} + p_{9,285} + 2p_{9,147} + p_{9,151} + 2p_{9,127})\end{array}}$$

$$p_{10,316} = \frac{1}{2}p_{9,316} - \frac{1}{2}\sqrt{\begin{array}{l}p_{9,316}^2 - 4(p_{9,72} + p_{9,424} + p_{9,152} + p_{9,36} + p_{9,356} + p_{9,84} \\ + p_{9,268} + p_{9,396} + p_{9,364} + 2p_{9,450} + p_{9,106} + p_{9,234} + 2p_{9,490} \\ + p_{9,182} + p_{9,14} + p_{9,78} + 2p_{9,254} + p_{9,193} + 2p_{9,401} + p_{9,81} \\ + p_{9,421} + p_{9,429} + p_{9,29} + 2p_{9,403} + p_{9,407} + 2p_{9,383})\end{array}}$$

$$p_{10,828} = \frac{1}{2}p_{9,316} + \frac{1}{2}\sqrt{\begin{array}{l}p_{9,316}^2 - 4(p_{9,72} + p_{9,424} + p_{9,152} + p_{9,36} + p_{9,356} + p_{9,84} \\ + p_{9,268} + p_{9,396} + p_{9,364} + 2p_{9,450} + p_{9,106} + p_{9,234} + 2p_{9,490} \\ + p_{9,182} + p_{9,14} + p_{9,78} + 2p_{9,254} + p_{9,193} + 2p_{9,401} + p_{9,81} \\ + p_{9,421} + p_{9,429} + p_{9,29} + 2p_{9,403} + p_{9,407} + 2p_{9,383})\end{array}}$$

1 unreferenced roots were skipped

$$p_{10,700} = \frac{1}{2}p_{9,188} + \frac{1}{2}\sqrt{\begin{array}{l}p_{9,188}^2 - 4(p_{9,456} + p_{9,296} + p_{9,24} + p_{9,420} + p_{9,228} \\ + p_{9,468} + p_{9,268} + p_{9,140} + p_{9,236} + 2p_{9,322} + p_{9,106} + 2p_{9,362} \\ + p_{9,490} + p_{9,54} + p_{9,398} + p_{9,462} + 2p_{9,126} + p_{9,65} + 2p_{9,273} \\ + p_{9,465} + p_{9,293} + p_{9,301} + p_{9,413} + 2p_{9,275} + p_{9,279} + 2p_{9,255})\end{array}}$$

$$p_{10,444} = \frac{1}{2}p_{9,444} - \frac{1}{2}\sqrt{\begin{array}{l}p_{9,444}^2 - 4(p_{9,200} + p_{9,40} + p_{9,280} + p_{9,164} + p_{9,484} \\ + p_{9,212} + p_{9,12} + p_{9,396} + p_{9,492} + 2p_{9,66} + 2p_{9,106} + p_{9,362} \\ + p_{9,234} + p_{9,310} + p_{9,142} + p_{9,206} + 2p_{9,382} + p_{9,321} + 2p_{9,17} \\ + p_{9,209} + p_{9,37} + p_{9,45} + p_{9,157} + 2p_{9,19} + p_{9,23} + 2p_{9,511})\end{array}}$$

$$p_{10,956} = \frac{1}{2}p_{9,444} + \frac{1}{2}\sqrt{\begin{array}{l}p_{9,444}^2 - 4(p_{9,200} + p_{9,40} + p_{9,280} + p_{9,164} + p_{9,484} \\ + p_{9,212} + p_{9,12} + p_{9,396} + p_{9,492} + 2p_{9,66} + 2p_{9,106} + p_{9,362} \\ + p_{9,234} + p_{9,310} + p_{9,142} + p_{9,206} + 2p_{9,382} + p_{9,321} + 2p_{9,17} \\ + p_{9,209} + p_{9,37} + p_{9,45} + p_{9,157} + 2p_{9,19} + p_{9,23} + 2p_{9,511})\end{array}}$$

$$p_{10,124} = \frac{1}{2}p_{9,124} + \frac{1}{2}\sqrt{\begin{array}{l}p_{9,124}^2 - 4(p_{9,392} + p_{9,232} + p_{9,472} + p_{9,164} + p_{9,356} \\ + p_{9,404} + p_{9,76} + p_{9,204} + p_{9,172} + 2p_{9,258} + p_{9,42} + 2p_{9,298} \\ + p_{9,426} + p_{9,502} + p_{9,398} + p_{9,334} + 2p_{9,62} + p_{9,1} + p_{9,401} \\ + 2p_{9,209} + p_{9,229} + p_{9,237} + p_{9,349} + 2p_{9,211} + p_{9,215} + 2p_{9,191})\end{array}}$$

1 unreferenced roots were skipped

$$p_{10,380} = \frac{1}{2}p_{9,380} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,380}^2 - 4(p_{9,136} + p_{9,488} + p_{9,216} + p_{9,420} + p_{9,100}\\&+ p_{9,148} + p_{9,332} + p_{9,460} + p_{9,428} + 2p_{9,2} + 2p_{9,42} + p_{9,298}\\&+ p_{9,170} + p_{9,246} + p_{9,142} + p_{9,78} + 2p_{9,318} + p_{9,257} + p_{9,145}\\&+ 2p_{9,465} + p_{9,485} + p_{9,493} + p_{9,93} + 2p_{9,467} + p_{9,471} + 2p_{9,447})\end{aligned}}$$

$$p_{10,892} = \frac{1}{2}p_{9,380} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,380}^2 - 4(p_{9,136} + p_{9,488} + p_{9,216} + p_{9,420} + p_{9,100}\\&+ p_{9,148} + p_{9,332} + p_{9,460} + p_{9,428} + 2p_{9,2} + 2p_{9,42} + p_{9,298}\\&+ p_{9,170} + p_{9,246} + p_{9,142} + p_{9,78} + 2p_{9,318} + p_{9,257} + p_{9,145}\\&+ 2p_{9,465} + p_{9,485} + p_{9,493} + p_{9,93} + 2p_{9,467} + p_{9,471} + 2p_{9,447})\end{aligned}}$$

$$p_{10,252} = \frac{1}{2}p_{9,252} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,252}^2 - 4(p_{9,8} + p_{9,360} + p_{9,88} + p_{9,292} + p_{9,484} + p_{9,20}\\&+ p_{9,332} + p_{9,204} + p_{9,300} + 2p_{9,386} + p_{9,42} + p_{9,170} + 2p_{9,426}\\&+ p_{9,118} + p_{9,14} + p_{9,462} + 2p_{9,190} + p_{9,129} + p_{9,17} + 2p_{9,337}\\&+ p_{9,357} + p_{9,365} + p_{9,477} + 2p_{9,339} + p_{9,343} + 2p_{9,319})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,508} = \frac{1}{2}p_{9,508} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,508}^2 - 4(p_{9,264} + p_{9,104} + p_{9,344} + p_{9,36} + p_{9,228}\\&+ p_{9,276} + p_{9,76} + p_{9,460} + p_{9,44} + 2p_{9,130} + p_{9,298} + 2p_{9,170}\\&+ p_{9,426} + p_{9,374} + p_{9,270} + p_{9,206} + 2p_{9,446} + p_{9,385} + p_{9,273}\\&+ 2p_{9,81} + p_{9,101} + p_{9,109} + p_{9,221} + 2p_{9,83} + p_{9,87} + 2p_{9,63})\end{aligned}}$$

$$p_{10,1020} = \frac{1}{2}p_{9,508} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,508}^2 - 4(p_{9,264} + p_{9,104} + p_{9,344} + p_{9,36} + p_{9,228}\\&+ p_{9,276} + p_{9,76} + p_{9,460} + p_{9,44} + 2p_{9,130} + p_{9,298} + 2p_{9,170}\\&+ p_{9,426} + p_{9,374} + p_{9,270} + p_{9,206} + 2p_{9,446} + p_{9,385} + p_{9,273}\\&+ 2p_{9,81} + p_{9,101} + p_{9,109} + p_{9,221} + 2p_{9,83} + p_{9,87} + 2p_{9,63})\end{aligned}}$$

$$p_{10,2} = \frac{1}{2}p_{9,2} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,2}^2 - 4(p_{9,304} + 2p_{9,176} + p_{9,432} + 2p_{9,136} + 2p_{9,452}\\&+ p_{9,276} + p_{9,212} + p_{9,380} + p_{9,82} + p_{9,466} + p_{9,50} + p_{9,42}\\&+ p_{9,234} + p_{9,282} + p_{9,270} + p_{9,110} + p_{9,350} + 2p_{9,89} + 2p_{9,69}\\&+ p_{9,93} + p_{9,227} + p_{9,115} + p_{9,107} + p_{9,391} + p_{9,279} + 2p_{9,87})\end{aligned}}$$

$$p_{10,514} = \frac{1}{2}p_{9,2} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,2}^2 - 4(p_{9,304} + 2p_{9,176} + p_{9,432} + 2p_{9,136} + 2p_{9,452}\\&+ p_{9,276} + p_{9,212} + p_{9,380} + p_{9,82} + p_{9,466} + p_{9,50} + p_{9,42}\\&+ p_{9,234} + p_{9,282} + p_{9,270} + p_{9,110} + p_{9,350} + 2p_{9,89} + 2p_{9,69}\\&+ p_{9,93} + p_{9,227} + p_{9,115} + p_{9,107} + p_{9,391} + p_{9,279} + 2p_{9,87})\end{aligned}}$$

$$p_{10,258} = \frac{1}{2}p_{9,258} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,258}^2 - 4(p_{9,48} + p_{9,176} + 2p_{9,432} + 2p_{9,392} + 2p_{9,196}\\&+ p_{9,20} + p_{9,468} + p_{9,124} + p_{9,338} + p_{9,210} + p_{9,306} + p_{9,298}\\&+ p_{9,490} + p_{9,26} + p_{9,14} + p_{9,366} + p_{9,94} + 2p_{9,345} + 2p_{9,325}\\&+ p_{9,349} + p_{9,483} + p_{9,371} + p_{9,363} + p_{9,135} + p_{9,23} + 2p_{9,343})\end{aligned}}$$

$$p_{10,770} = \frac{1}{2}p_{9,258} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,258}^2 - 4(p_{9,48} + p_{9,176} + 2p_{9,432} + 2p_{9,392} + 2p_{9,196}\\&+ p_{9,20} + p_{9,468} + p_{9,124} + p_{9,338} + p_{9,210} + p_{9,306} + p_{9,298}\\&+ p_{9,490} + p_{9,26} + p_{9,14} + p_{9,366} + p_{9,94} + 2p_{9,345} + 2p_{9,325}\\&+ p_{9,349} + p_{9,483} + p_{9,371} + p_{9,363} + p_{9,135} + p_{9,23} + 2p_{9,343})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,642} = \frac{1}{2}p_{9,130} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,130}^2 - 4(p_{9,48} + 2p_{9,304} + p_{9,432} + 2p_{9,264} + 2p_{9,68}\\&+ p_{9,404} + p_{9,340} + p_{9,508} + p_{9,82} + p_{9,210} + p_{9,178} + p_{9,170}\\&+ p_{9,362} + p_{9,410} + p_{9,398} + p_{9,238} + p_{9,478} + 2p_{9,217} + 2p_{9,197}\\&+ p_{9,221} + p_{9,355} + p_{9,243} + p_{9,235} + p_{9,7} + p_{9,407} + 2p_{9,215})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,898} = \frac{1}{2}p_{9,386} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,386}^2 - 4(2p_{9,48} + p_{9,304} + p_{9,176} + 2p_{9,8} + 2p_{9,324}\\&+ p_{9,148} + p_{9,84} + p_{9,252} + p_{9,338} + p_{9,466} + p_{9,434} + p_{9,426}\\&+ p_{9,106} + p_{9,154} + p_{9,142} + p_{9,494} + p_{9,222} + 2p_{9,473} + 2p_{9,453}\\&+ p_{9,477} + p_{9,99} + p_{9,499} + p_{9,491} + p_{9,263} + p_{9,151} + 2p_{9,471})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,578} = \frac{1}{2}p_{9,66} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,66}^2 - 4(p_{9,368} + 2p_{9,240} + p_{9,496} + 2p_{9,200} + 2p_{9,4}\\&+ p_{9,276} + p_{9,340} + p_{9,444} + p_{9,18} + p_{9,146} + p_{9,114} + p_{9,298}\\&+ p_{9,106} + p_{9,346} + p_{9,334} + p_{9,174} + p_{9,414} + 2p_{9,153} + 2p_{9,133}\\&+ p_{9,157} + p_{9,291} + p_{9,179} + p_{9,171} + p_{9,455} + 2p_{9,151} + p_{9,343})\end{aligned}}$$

$$p_{10,322} = \frac{1}{2}p_{9,322} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,322}^2 - 4(p_{9,112} + p_{9,240} + 2p_{9,496} + 2p_{9,456} + 2p_{9,260}\\&+ p_{9,20} + p_{9,84} + p_{9,188} + p_{9,274} + p_{9,402} + p_{9,370} + p_{9,42}\\&+ p_{9,362} + p_{9,90} + p_{9,78} + p_{9,430} + p_{9,158} + 2p_{9,409} + 2p_{9,389}\\&+ p_{9,413} + p_{9,35} + p_{9,435} + p_{9,427} + p_{9,199} + 2p_{9,407} + p_{9,87})\end{aligned}}$$

$$p_{10,834} = \frac{1}{2}p_{9,322} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,322}^2 - 4(p_{9,112} + p_{9,240} + 2p_{9,496} + 2p_{9,456} + 2p_{9,260}\\&+ p_{9,20} + p_{9,84} + p_{9,188} + p_{9,274} + p_{9,402} + p_{9,370} + p_{9,42}\\&+ p_{9,362} + p_{9,90} + p_{9,78} + p_{9,430} + p_{9,158} + 2p_{9,409} + 2p_{9,389}\\&+ p_{9,413} + p_{9,35} + p_{9,435} + p_{9,427} + p_{9,199} + 2p_{9,407} + p_{9,87})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,706} = \frac{1}{2}p_{9,194} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,194}^2 - 4(p_{9,112} + 2p_{9,368} + p_{9,496} + 2p_{9,328} + 2p_{9,132}\\&+ p_{9,404} + p_{9,468} + p_{9,60} + p_{9,274} + p_{9,146} + p_{9,242} + p_{9,426}\\&+ p_{9,234} + p_{9,474} + p_{9,462} + p_{9,302} + p_{9,30} + 2p_{9,281} + 2p_{9,261}\\&+ p_{9,285} + p_{9,419} + p_{9,307} + p_{9,299} + p_{9,71} + 2p_{9,279} + p_{9,471})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,962} = \frac{1}{2}p_{9,450} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,450}^2 - 4(2p_{9,112} + p_{9,368} + p_{9,240} + 2p_{9,72} + 2p_{9,388}\\&+ p_{9,148} + p_{9,212} + p_{9,316} + p_{9,18} + p_{9,402} + p_{9,498} + p_{9,170}\\&+ p_{9,490} + p_{9,218} + p_{9,206} + p_{9,46} + p_{9,286} + 2p_{9,25} + 2p_{9,5}\\&+ p_{9,29} + p_{9,163} + p_{9,51} + p_{9,43} + p_{9,327} + 2p_{9,23} + p_{9,215})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,546} = \frac{1}{2}p_{9,34} - \frac{1}{2}\sqrt{\begin{array}{l} p_{9,34}^2 - 4(p_{9,336} + 2p_{9,208} + p_{9,464} + 2p_{9,168} + 2p_{9,484} \\ + p_{9,308} + p_{9,244} + p_{9,412} + p_{9,82} + p_{9,114} + p_{9,498} + p_{9,266} \\ + p_{9,74} + p_{9,314} + p_{9,142} + p_{9,302} + p_{9,382} + 2p_{9,121} + 2p_{9,101} \\ + p_{9,125} + p_{9,259} + p_{9,147} + p_{9,139} + p_{9,423} + p_{9,311} + 2p_{9,119}) \end{array}}$$

$$p_{10,290} = \frac{1}{2}p_{9,290} - \frac{1}{2}\sqrt{\begin{array}{l} p_{9,290}^2 - 4(p_{9,80} + p_{9,208} + 2p_{9,464} + 2p_{9,424} + 2p_{9,228} \\ + p_{9,52} + p_{9,500} + p_{9,156} + p_{9,338} + p_{9,370} + p_{9,242} + p_{9,10} \\ + p_{9,330} + p_{9,58} + p_{9,398} + p_{9,46} + p_{9,126} + 2p_{9,377} + 2p_{9,357} \\ + p_{9,381} + p_{9,3} + p_{9,403} + p_{9,395} + p_{9,167} + p_{9,55} + 2p_{9,375}) \end{array}}$$

1 unreferenced roots were skipped

$$p_{10,162} = \frac{1}{2}p_{9,162} + \frac{1}{2}\sqrt{\begin{array}{l} p_{9,162}^2 - 4(p_{9,80} + 2p_{9,336} + p_{9,464} + 2p_{9,296} + 2p_{9,100} \\ + p_{9,436} + p_{9,372} + p_{9,28} + p_{9,210} + p_{9,114} + p_{9,242} + p_{9,394} \\ + p_{9,202} + p_{9,442} + p_{9,270} + p_{9,430} + p_{9,510} + 2p_{9,249} + 2p_{9,229} \\ + p_{9,253} + p_{9,387} + p_{9,275} + p_{9,267} + p_{9,39} + p_{9,439} + 2p_{9,247}) \end{array}}$$

$$p_{10,674} = \frac{1}{2}p_{9,162} - \frac{1}{2}\sqrt{\begin{array}{l} p_{9,162}^2 - 4(p_{9,80} + 2p_{9,336} + p_{9,464} + 2p_{9,296} + 2p_{9,100} \\ + p_{9,436} + p_{9,372} + p_{9,28} + p_{9,210} + p_{9,114} + p_{9,242} + p_{9,394} \\ + p_{9,202} + p_{9,442} + p_{9,270} + p_{9,430} + p_{9,510} + 2p_{9,249} + 2p_{9,229} \\ + p_{9,253} + p_{9,387} + p_{9,275} + p_{9,267} + p_{9,39} + p_{9,439} + 2p_{9,247}) \end{array}}$$

$$p_{10,418} = \frac{1}{2}p_{9,418} + \frac{1}{2}\sqrt{\begin{array}{l} p_{9,418}^2 - 4(2p_{9,80} + p_{9,336} + p_{9,208} + 2p_{9,40} + 2p_{9,356} \\ + p_{9,180} + p_{9,116} + p_{9,284} + p_{9,466} + p_{9,370} + p_{9,498} + p_{9,138} \\ + p_{9,458} + p_{9,186} + p_{9,14} + p_{9,174} + p_{9,254} + 2p_{9,505} + 2p_{9,485} \\ + p_{9,509} + p_{9,131} + p_{9,19} + p_{9,11} + p_{9,295} + p_{9,183} + 2p_{9,503}) \end{array}}$$

$$p_{10,930} = \frac{1}{2}p_{9,418} - \frac{1}{2}\sqrt{\begin{array}{l} p_{9,418}^2 - 4(2p_{9,80} + p_{9,336} + p_{9,208} + 2p_{9,40} + 2p_{9,356} \\ + p_{9,180} + p_{9,116} + p_{9,284} + p_{9,466} + p_{9,370} + p_{9,498} + p_{9,138} \\ + p_{9,458} + p_{9,186} + p_{9,14} + p_{9,174} + p_{9,254} + 2p_{9,505} + 2p_{9,485} \\ + p_{9,509} + p_{9,131} + p_{9,19} + p_{9,11} + p_{9,295} + p_{9,183} + 2p_{9,503}) \end{array}}$$

$$p_{10,98} = \frac{1}{2}p_{9,98} - \frac{1}{2}\sqrt{\begin{array}{l} p_{9,98}^2 - 4(p_{9,16} + 2p_{9,272} + p_{9,400} + 2p_{9,232} + 2p_{9,36} \\ + p_{9,308} + p_{9,372} + p_{9,476} + p_{9,146} + p_{9,50} + p_{9,178} + p_{9,138} \\ + p_{9,330} + p_{9,378} + p_{9,206} + p_{9,366} + p_{9,446} + 2p_{9,185} + 2p_{9,165} \\ + p_{9,189} + p_{9,323} + p_{9,211} + p_{9,203} + p_{9,487} + 2p_{9,183} + p_{9,375}) \end{array}}$$

$$p_{10,610} = \frac{1}{2}p_{9,98} + \frac{1}{2}\sqrt{\begin{array}{l} p_{9,98}^2 - 4(p_{9,16} + 2p_{9,272} + p_{9,400} + 2p_{9,232} + 2p_{9,36} \\ + p_{9,308} + p_{9,372} + p_{9,476} + p_{9,146} + p_{9,50} + p_{9,178} + p_{9,138} \\ + p_{9,330} + p_{9,378} + p_{9,206} + p_{9,366} + p_{9,446} + 2p_{9,185} + 2p_{9,165} \\ + p_{9,189} + p_{9,323} + p_{9,211} + p_{9,203} + p_{9,487} + 2p_{9,183} + p_{9,375}) \end{array}}$$

$$p_{10,354} = \frac{1}{2}p_{9,354} - \frac{1}{2}\sqrt{\begin{aligned} &p_{9,354}^2 - 4(2p_{9,16} + p_{9,272} + p_{9,144} + 2p_{9,488} + 2p_{9,292} \\ &+ p_{9,52} + p_{9,116} + p_{9,220} + p_{9,402} + p_{9,306} + p_{9,434} + p_{9,394} \\ &+ p_{9,74} + p_{9,122} + p_{9,462} + p_{9,110} + p_{9,190} + 2p_{9,441} + 2p_{9,421} \\ &+ p_{9,445} + p_{9,67} + p_{9,467} + p_{9,459} + p_{9,231} + 2p_{9,439} + p_{9,119}) \end{aligned}}$$

$$p_{10,866} = \frac{1}{2}p_{9,354} + \frac{1}{2}\sqrt{\begin{aligned} &p_{9,354}^2 - 4(2p_{9,16} + p_{9,272} + p_{9,144} + 2p_{9,488} + 2p_{9,292} \\ &+ p_{9,52} + p_{9,116} + p_{9,220} + p_{9,402} + p_{9,306} + p_{9,434} + p_{9,394} \\ &+ p_{9,74} + p_{9,122} + p_{9,462} + p_{9,110} + p_{9,190} + 2p_{9,441} + 2p_{9,421} \\ &+ p_{9,445} + p_{9,67} + p_{9,467} + p_{9,459} + p_{9,231} + 2p_{9,439} + p_{9,119}) \end{aligned}}$$

$$p_{10,226} = \frac{1}{2}p_{9,226} - \frac{1}{2}\sqrt{\begin{aligned} &p_{9,226}^2 - 4(p_{9,16} + p_{9,144} + 2p_{9,400} + 2p_{9,360} + 2p_{9,164} \\ &+ p_{9,436} + p_{9,500} + p_{9,92} + p_{9,274} + p_{9,306} + p_{9,178} + p_{9,266} \\ &+ p_{9,458} + p_{9,506} + p_{9,334} + p_{9,494} + p_{9,62} + 2p_{9,313} + 2p_{9,293} \\ &+ p_{9,317} + p_{9,451} + p_{9,339} + p_{9,331} + p_{9,103} + 2p_{9,311} + p_{9,503}) \end{aligned}}$$

$$p_{10,738} = \frac{1}{2}p_{9,226} + \frac{1}{2}\sqrt{\begin{aligned} &p_{9,226}^2 - 4(p_{9,16} + p_{9,144} + 2p_{9,400} + 2p_{9,360} + 2p_{9,164} \\ &+ p_{9,436} + p_{9,500} + p_{9,92} + p_{9,274} + p_{9,306} + p_{9,178} + p_{9,266} \\ &+ p_{9,458} + p_{9,506} + p_{9,334} + p_{9,494} + p_{9,62} + 2p_{9,313} + 2p_{9,293} \\ &+ p_{9,317} + p_{9,451} + p_{9,339} + p_{9,331} + p_{9,103} + 2p_{9,311} + p_{9,503}) \end{aligned}}$$

$$p_{10,482} = \frac{1}{2}p_{9,482} + \frac{1}{2}\sqrt{\begin{aligned} &p_{9,482}^2 - 4(p_{9,272} + 2p_{9,144} + p_{9,400} + 2p_{9,104} + 2p_{9,420} \\ &+ p_{9,180} + p_{9,244} + p_{9,348} + p_{9,18} + p_{9,50} + p_{9,434} + p_{9,10} \\ &+ p_{9,202} + p_{9,250} + p_{9,78} + p_{9,238} + p_{9,318} + 2p_{9,57} + 2p_{9,37} \\ &+ p_{9,61} + p_{9,195} + p_{9,83} + p_{9,75} + p_{9,359} + 2p_{9,55} + p_{9,247}) \end{aligned}}$$

$$p_{10,994} = \frac{1}{2}p_{9,482} - \frac{1}{2}\sqrt{\begin{aligned} &p_{9,482}^2 - 4(p_{9,272} + 2p_{9,144} + p_{9,400} + 2p_{9,104} + 2p_{9,420} \\ &+ p_{9,180} + p_{9,244} + p_{9,348} + p_{9,18} + p_{9,50} + p_{9,434} + p_{9,10} \\ &+ p_{9,202} + p_{9,250} + p_{9,78} + p_{9,238} + p_{9,318} + 2p_{9,57} + 2p_{9,37} \\ &+ p_{9,61} + p_{9,195} + p_{9,83} + p_{9,75} + p_{9,359} + 2p_{9,55} + p_{9,247}) \end{aligned}}$$

$$p_{10,18} = \frac{1}{2}p_{9,18} - \frac{1}{2}\sqrt{\begin{aligned} &p_{9,18}^2 - 4(p_{9,320} + 2p_{9,192} + p_{9,448} + 2p_{9,152} + p_{9,292} \\ &+ p_{9,228} + 2p_{9,468} + p_{9,396} + p_{9,66} + p_{9,98} + p_{9,482} + p_{9,298} \\ &+ p_{9,58} + p_{9,250} + p_{9,366} + p_{9,286} + p_{9,126} + 2p_{9,105} + 2p_{9,85} \\ &+ p_{9,109} + p_{9,131} + p_{9,243} + p_{9,123} + p_{9,295} + 2p_{9,103} + p_{9,407}) \end{aligned}}$$

$$p_{10,530} = \frac{1}{2}p_{9,18} + \frac{1}{2}\sqrt{\begin{aligned} &p_{9,18}^2 - 4(p_{9,320} + 2p_{9,192} + p_{9,448} + 2p_{9,152} + p_{9,292} \\ &+ p_{9,228} + 2p_{9,468} + p_{9,396} + p_{9,66} + p_{9,98} + p_{9,482} + p_{9,298} \\ &+ p_{9,58} + p_{9,250} + p_{9,366} + p_{9,286} + p_{9,126} + 2p_{9,105} + 2p_{9,85} \\ &+ p_{9,109} + p_{9,131} + p_{9,243} + p_{9,123} + p_{9,295} + 2p_{9,103} + p_{9,407}) \end{aligned}}$$

$$p_{10,274} = \frac{1}{2}p_{9,274} + \frac{1}{2}\sqrt{\begin{aligned} &p_{9,274}^2 - 4(p_{9,64} + p_{9,192} + 2p_{9,448} + 2p_{9,408} + p_{9,36} \\ &+ p_{9,484} + 2p_{9,212} + p_{9,140} + p_{9,322} + p_{9,354} + p_{9,226} + p_{9,42} \\ &+ p_{9,314} + p_{9,506} + p_{9,110} + p_{9,30} + p_{9,382} + 2p_{9,361} + 2p_{9,341} \\ &+ p_{9,365} + p_{9,387} + p_{9,499} + p_{9,379} + p_{9,39} + 2p_{9,359} + p_{9,151}) \end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,146} = \frac{1}{2}p_{9,146} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,146}^2 - 4(p_{9,64} + 2p_{9,320} + p_{9,448} + 2p_{9,280} + p_{9,420}\\&+ p_{9,356} + 2p_{9,84} + p_{9,12} + p_{9,194} + p_{9,98} + p_{9,226} + p_{9,426}\\&+ p_{9,186} + p_{9,378} + p_{9,494} + p_{9,414} + p_{9,254} + 2p_{9,233} + 2p_{9,213}\\&+ p_{9,237} + p_{9,259} + p_{9,371} + p_{9,251} + p_{9,423} + 2p_{9,231} + p_{9,23})\end{aligned}}$$

$$p_{10,658} = \frac{1}{2}p_{9,146} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,146}^2 - 4(p_{9,64} + 2p_{9,320} + p_{9,448} + 2p_{9,280} + p_{9,420}\\&+ p_{9,356} + 2p_{9,84} + p_{9,12} + p_{9,194} + p_{9,98} + p_{9,226} + p_{9,426}\\&+ p_{9,186} + p_{9,378} + p_{9,494} + p_{9,414} + p_{9,254} + 2p_{9,233} + 2p_{9,213}\\&+ p_{9,237} + p_{9,259} + p_{9,371} + p_{9,251} + p_{9,423} + 2p_{9,231} + p_{9,23})\end{aligned}}$$

$$p_{10,402} = \frac{1}{2}p_{9,402} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,402}^2 - 4(2p_{9,64} + p_{9,320} + p_{9,192} + 2p_{9,24} + p_{9,164}\\&+ p_{9,100} + 2p_{9,340} + p_{9,268} + p_{9,450} + p_{9,354} + p_{9,482} + p_{9,170}\\&+ p_{9,442} + p_{9,122} + p_{9,238} + p_{9,158} + p_{9,510} + 2p_{9,489} + 2p_{9,469}\\&+ p_{9,493} + p_{9,3} + p_{9,115} + p_{9,507} + p_{9,167} + 2p_{9,487} + p_{9,279})\end{aligned}}$$

$$p_{10,914} = \frac{1}{2}p_{9,402} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,402}^2 - 4(2p_{9,64} + p_{9,320} + p_{9,192} + 2p_{9,24} + p_{9,164}\\&+ p_{9,100} + 2p_{9,340} + p_{9,268} + p_{9,450} + p_{9,354} + p_{9,482} + p_{9,170}\\&+ p_{9,442} + p_{9,122} + p_{9,238} + p_{9,158} + p_{9,510} + 2p_{9,489} + 2p_{9,469}\\&+ p_{9,493} + p_{9,3} + p_{9,115} + p_{9,507} + p_{9,167} + 2p_{9,487} + p_{9,279})\end{aligned}}$$

$$p_{10,82} = \frac{1}{2}p_{9,82} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,82}^2 - 4(p_{9,0} + 2p_{9,256} + p_{9,384} + 2p_{9,216} + p_{9,292}\\&+ p_{9,356} + 2p_{9,20} + p_{9,460} + p_{9,130} + p_{9,34} + p_{9,162} + p_{9,362}\\&+ p_{9,314} + p_{9,122} + p_{9,430} + p_{9,350} + p_{9,190} + 2p_{9,169} + 2p_{9,149}\\&+ p_{9,173} + p_{9,195} + p_{9,307} + p_{9,187} + 2p_{9,167} + p_{9,359} + p_{9,471})\end{aligned}}$$

$$p_{10,594} = \frac{1}{2}p_{9,82} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,82}^2 - 4(p_{9,0} + 2p_{9,256} + p_{9,384} + 2p_{9,216} + p_{9,292}\\&+ p_{9,356} + 2p_{9,20} + p_{9,460} + p_{9,130} + p_{9,34} + p_{9,162} + p_{9,362}\\&+ p_{9,314} + p_{9,122} + p_{9,430} + p_{9,350} + p_{9,190} + 2p_{9,169} + 2p_{9,149}\\&+ p_{9,173} + p_{9,195} + p_{9,307} + p_{9,187} + 2p_{9,167} + p_{9,359} + p_{9,471})\end{aligned}}$$

$$p_{10,338} = \frac{1}{2}p_{9,338} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,338}^2 - 4(2p_{9,0} + p_{9,256} + p_{9,128} + 2p_{9,472} + p_{9,36}\\&+ p_{9,100} + 2p_{9,276} + p_{9,204} + p_{9,386} + p_{9,290} + p_{9,418} + p_{9,106}\\&+ p_{9,58} + p_{9,378} + p_{9,174} + p_{9,94} + p_{9,446} + 2p_{9,425} + 2p_{9,405}\\&+ p_{9,429} + p_{9,451} + p_{9,51} + p_{9,443} + 2p_{9,423} + p_{9,103} + p_{9,215})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,210} = \frac{1}{2}p_{9,210} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,210}^2 - 4(p_{9,0} + p_{9,128} + 2p_{9,384} + 2p_{9,344} + p_{9,420}\\&+ p_{9,484} + 2p_{9,148} + p_{9,76} + p_{9,258} + p_{9,290} + p_{9,162} + p_{9,490}\\&+ p_{9,442} + p_{9,250} + p_{9,46} + p_{9,478} + p_{9,318} + 2p_{9,297} + 2p_{9,277}\\&+ p_{9,301} + p_{9,323} + p_{9,435} + p_{9,315} + 2p_{9,295} + p_{9,487} + p_{9,87})\end{aligned}}$$

$$p_{10,722} = \frac{1}{2}p_{9,210} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,210}^2 - 4(p_{9,0} + p_{9,128} + 2p_{9,384} + 2p_{9,344} + p_{9,420}\\&+ p_{9,484} + 2p_{9,148} + p_{9,76} + p_{9,258} + p_{9,290} + p_{9,162} + p_{9,490}\\&+ p_{9,442} + p_{9,250} + p_{9,46} + p_{9,478} + p_{9,318} + 2p_{9,297} + 2p_{9,277}\\&+ p_{9,301} + p_{9,323} + p_{9,435} + p_{9,315} + 2p_{9,295} + p_{9,487} + p_{9,87})\end{aligned}}$$

2 unreferenced roots were skipped

$$p_{10,50} = \frac{1}{2}p_{9,50} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,50}^2 - 4(p_{9,352} + 2p_{9,224} + p_{9,480} + 2p_{9,184} + p_{9,260}\\&+ p_{9,324} + 2p_{9,500} + p_{9,428} + p_{9,2} + p_{9,130} + p_{9,98} + p_{9,330}\\&+ p_{9,282} + p_{9,90} + p_{9,398} + p_{9,158} + p_{9,318} + 2p_{9,137} + 2p_{9,117}\\&+ p_{9,141} + p_{9,163} + p_{9,275} + p_{9,155} + 2p_{9,135} + p_{9,327} + p_{9,439})\end{aligned}}$$

$$p_{10,562} = \frac{1}{2}p_{9,50} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,50}^2 - 4(p_{9,352} + 2p_{9,224} + p_{9,480} + 2p_{9,184} + p_{9,260}\\&+ p_{9,324} + 2p_{9,500} + p_{9,428} + p_{9,2} + p_{9,130} + p_{9,98} + p_{9,330}\\&+ p_{9,282} + p_{9,90} + p_{9,398} + p_{9,158} + p_{9,318} + 2p_{9,137} + 2p_{9,117}\\&+ p_{9,141} + p_{9,163} + p_{9,275} + p_{9,155} + 2p_{9,135} + p_{9,327} + p_{9,439})\end{aligned}}$$

$$p_{10,306} = \frac{1}{2}p_{9,306} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,306}^2 - 4(p_{9,96} + p_{9,224} + 2p_{9,480} + 2p_{9,440} + p_{9,4}\\&+ p_{9,68} + 2p_{9,244} + p_{9,172} + p_{9,258} + p_{9,386} + p_{9,354} + p_{9,74}\\&+ p_{9,26} + p_{9,346} + p_{9,142} + p_{9,414} + p_{9,62} + 2p_{9,393} + 2p_{9,373}\\&+ p_{9,397} + p_{9,419} + p_{9,19} + p_{9,411} + 2p_{9,391} + p_{9,71} + p_{9,183})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,178} = \frac{1}{2}p_{9,178} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,178}^2 - 4(p_{9,96} + 2p_{9,352} + p_{9,480} + 2p_{9,312} + p_{9,388}\\&+ p_{9,452} + 2p_{9,116} + p_{9,44} + p_{9,258} + p_{9,130} + p_{9,226} + p_{9,458}\\&+ p_{9,410} + p_{9,218} + p_{9,14} + p_{9,286} + p_{9,446} + 2p_{9,265} + 2p_{9,245}\\&+ p_{9,269} + p_{9,291} + p_{9,403} + p_{9,283} + 2p_{9,263} + p_{9,455} + p_{9,55})\end{aligned}}$$

$$p_{10,690} = \frac{1}{2}p_{9,178} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,178}^2 - 4(p_{9,96} + 2p_{9,352} + p_{9,480} + 2p_{9,312} + p_{9,388}\\&+ p_{9,452} + 2p_{9,116} + p_{9,44} + p_{9,258} + p_{9,130} + p_{9,226} + p_{9,458}\\&+ p_{9,410} + p_{9,218} + p_{9,14} + p_{9,286} + p_{9,446} + 2p_{9,265} + 2p_{9,245}\\&+ p_{9,269} + p_{9,291} + p_{9,403} + p_{9,283} + 2p_{9,263} + p_{9,455} + p_{9,55})\end{aligned}}$$

$$p_{10,434} = \frac{1}{2}p_{9,434} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,434}^2 - 4(2p_{9,96} + p_{9,352} + p_{9,224} + 2p_{9,56} + p_{9,132}\\&+ p_{9,196} + 2p_{9,372} + p_{9,300} + p_{9,2} + p_{9,386} + p_{9,482} + p_{9,202}\\&+ p_{9,154} + p_{9,474} + p_{9,270} + p_{9,30} + p_{9,190} + 2p_{9,9} + 2p_{9,501}\\&+ p_{9,13} + p_{9,35} + p_{9,147} + p_{9,27} + 2p_{9,7} + p_{9,199} + p_{9,311})\end{aligned}}$$

$$p_{10,946} = \frac{1}{2}p_{9,434} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,434}^2 - 4(2p_{9,96} + p_{9,352} + p_{9,224} + 2p_{9,56} + p_{9,132}\\&+ p_{9,196} + 2p_{9,372} + p_{9,300} + p_{9,2} + p_{9,386} + p_{9,482} + p_{9,202}\\&+ p_{9,154} + p_{9,474} + p_{9,270} + p_{9,30} + p_{9,190} + 2p_{9,9} + 2p_{9,501}\\&+ p_{9,13} + p_{9,35} + p_{9,147} + p_{9,27} + 2p_{9,7} + p_{9,199} + p_{9,311})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,626} = \frac{1}{2}p_{9,114} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,114}^2 - 4(p_{9,32} + 2p_{9,288} + p_{9,416} + 2p_{9,248} + p_{9,388}\\&+ p_{9,324} + 2p_{9,52} + p_{9,492} + p_{9,66} + p_{9,194} + p_{9,162} + p_{9,394}\\&+ p_{9,154} + p_{9,346} + p_{9,462} + p_{9,222} + p_{9,382} + 2p_{9,201} + 2p_{9,181}\\&+ p_{9,205} + p_{9,227} + p_{9,339} + p_{9,219} + p_{9,391} + 2p_{9,199} + p_{9,503})\end{aligned}}$$

$$p_{10,370} = \frac{1}{2}p_{9,370} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,370}^2 - 4(2p_{9,32} + p_{9,288} + p_{9,160} + 2p_{9,504} + p_{9,132}\\&+ p_{9,68} + 2p_{9,308} + p_{9,236} + p_{9,322} + p_{9,450} + p_{9,418} + p_{9,138}\\&+ p_{9,410} + p_{9,90} + p_{9,206} + p_{9,478} + p_{9,126} + 2p_{9,457} + 2p_{9,437}\\&+ p_{9,461} + p_{9,483} + p_{9,83} + p_{9,475} + p_{9,135} + 2p_{9,455} + p_{9,247})\end{aligned}}$$

$$p_{10,882} = \frac{1}{2}p_{9,370} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,370}^2 - 4(2p_{9,32} + p_{9,288} + p_{9,160} + 2p_{9,504} + p_{9,132}\\&+ p_{9,68} + 2p_{9,308} + p_{9,236} + p_{9,322} + p_{9,450} + p_{9,418} + p_{9,138}\\&+ p_{9,410} + p_{9,90} + p_{9,206} + p_{9,478} + p_{9,126} + 2p_{9,457} + 2p_{9,437}\\&+ p_{9,461} + p_{9,483} + p_{9,83} + p_{9,475} + p_{9,135} + 2p_{9,455} + p_{9,247})\end{aligned}}$$

$$p_{10,242} = \frac{1}{2}p_{9,242} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,242}^2 - 4(p_{9,32} + p_{9,160} + 2p_{9,416} + 2p_{9,376} + p_{9,4}\\&+ p_{9,452} + 2p_{9,180} + p_{9,108} + p_{9,322} + p_{9,194} + p_{9,290} + p_{9,10}\\&+ p_{9,282} + p_{9,474} + p_{9,78} + p_{9,350} + p_{9,510} + 2p_{9,329} + 2p_{9,309}\\&+ p_{9,333} + p_{9,355} + p_{9,467} + p_{9,347} + p_{9,7} + 2p_{9,327} + p_{9,119})\end{aligned}}$$

$$p_{10,754} = \frac{1}{2}p_{9,242} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,242}^2 - 4(p_{9,32} + p_{9,160} + 2p_{9,416} + 2p_{9,376} + p_{9,4}\\&+ p_{9,452} + 2p_{9,180} + p_{9,108} + p_{9,322} + p_{9,194} + p_{9,290} + p_{9,10}\\&+ p_{9,282} + p_{9,474} + p_{9,78} + p_{9,350} + p_{9,510} + 2p_{9,329} + 2p_{9,309}\\&+ p_{9,333} + p_{9,355} + p_{9,467} + p_{9,347} + p_{9,7} + 2p_{9,327} + p_{9,119})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,1010} = \frac{1}{2}p_{9,498} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,498}^2 - 4(p_{9,288} + 2p_{9,160} + p_{9,416} + 2p_{9,120} + p_{9,260}\\&+ p_{9,196} + 2p_{9,436} + p_{9,364} + p_{9,66} + p_{9,450} + p_{9,34} + p_{9,266}\\&+ p_{9,26} + p_{9,218} + p_{9,334} + p_{9,94} + p_{9,254} + 2p_{9,73} + 2p_{9,53}\\&+ p_{9,77} + p_{9,99} + p_{9,211} + p_{9,91} + p_{9,263} + 2p_{9,71} + p_{9,375})\end{aligned}}$$

$$p_{10,10} = \frac{1}{2}p_{9,10} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,10}^2 - 4(2p_{9,144} + p_{9,312} + 2p_{9,184} + p_{9,440} + p_{9,388}\\&+ 2p_{9,460} + p_{9,284} + p_{9,220} + p_{9,290} + p_{9,50} + p_{9,242} + p_{9,90}\\&+ p_{9,474} + p_{9,58} + p_{9,358} + p_{9,278} + p_{9,118} + 2p_{9,97} + p_{9,101}\\&+ 2p_{9,77} + p_{9,115} + p_{9,235} + p_{9,123} + p_{9,399} + p_{9,287} + 2p_{9,95})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,266} = \frac{1}{2}p_{9,266} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,266}^2 - 4(2p_{9,400} + p_{9,56} + p_{9,184} + 2p_{9,440} + p_{9,132}\\&+ 2p_{9,204} + p_{9,28} + p_{9,476} + p_{9,34} + p_{9,306} + p_{9,498} + p_{9,346}\\&+ p_{9,218} + p_{9,314} + p_{9,102} + p_{9,22} + p_{9,374} + 2p_{9,353} + p_{9,357}\\&+ 2p_{9,333} + p_{9,371} + p_{9,491} + p_{9,379} + p_{9,143} + p_{9,31} + 2p_{9,351})\end{aligned}}$$

$$p_{10,778} = \frac{1}{2}p_{9,266} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,266}^2 - 4(2p_{9,400} + p_{9,56} + p_{9,184} + 2p_{9,440} + p_{9,132}\\ &+ 2p_{9,204} + p_{9,28} + p_{9,476} + p_{9,34} + p_{9,306} + p_{9,498} + p_{9,346}\\ &+ p_{9,218} + p_{9,314} + p_{9,102} + p_{9,22} + p_{9,374} + 2p_{9,353} + p_{9,357}\\ &+ 2p_{9,333} + p_{9,371} + p_{9,491} + p_{9,379} + p_{9,143} + p_{9,31} + 2p_{9,351})\end{aligned}}$$

$$p_{10,138} = \frac{1}{2}p_{9,138} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,138}^2 - 4(2p_{9,272} + p_{9,56} + 2p_{9,312} + p_{9,440} + p_{9,4}\\ &+ 2p_{9,76} + p_{9,412} + p_{9,348} + p_{9,418} + p_{9,178} + p_{9,370} + p_{9,90}\\ &+ p_{9,218} + p_{9,186} + p_{9,486} + p_{9,406} + p_{9,246} + 2p_{9,225} + p_{9,229}\\ &+ 2p_{9,205} + p_{9,243} + p_{9,363} + p_{9,251} + p_{9,15} + p_{9,415} + 2p_{9,223})\end{aligned}}$$

$$p_{10,650} = \frac{1}{2}p_{9,138} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,138}^2 - 4(2p_{9,272} + p_{9,56} + 2p_{9,312} + p_{9,440} + p_{9,4}\\ &+ 2p_{9,76} + p_{9,412} + p_{9,348} + p_{9,418} + p_{9,178} + p_{9,370} + p_{9,90}\\ &+ p_{9,218} + p_{9,186} + p_{9,486} + p_{9,406} + p_{9,246} + 2p_{9,225} + p_{9,229}\\ &+ 2p_{9,205} + p_{9,243} + p_{9,363} + p_{9,251} + p_{9,15} + p_{9,415} + 2p_{9,223})\end{aligned}}$$

$$p_{10,394} = \frac{1}{2}p_{9,394} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,394}^2 - 4(2p_{9,16} + 2p_{9,56} + p_{9,312} + p_{9,184} + p_{9,260}\\ &+ 2p_{9,332} + p_{9,156} + p_{9,92} + p_{9,162} + p_{9,434} + p_{9,114} + p_{9,346}\\ &+ p_{9,474} + p_{9,442} + p_{9,230} + p_{9,150} + p_{9,502} + 2p_{9,481} + p_{9,485}\\ &+ 2p_{9,461} + p_{9,499} + p_{9,107} + p_{9,507} + p_{9,271} + p_{9,159} + 2p_{9,479})\end{aligned}}$$

$$p_{10,906} = \frac{1}{2}p_{9,394} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,394}^2 - 4(2p_{9,16} + 2p_{9,56} + p_{9,312} + p_{9,184} + p_{9,260}\\ &+ 2p_{9,332} + p_{9,156} + p_{9,92} + p_{9,162} + p_{9,434} + p_{9,114} + p_{9,346}\\ &+ p_{9,474} + p_{9,442} + p_{9,230} + p_{9,150} + p_{9,502} + 2p_{9,481} + p_{9,485}\\ &+ 2p_{9,461} + p_{9,499} + p_{9,107} + p_{9,507} + p_{9,271} + p_{9,159} + 2p_{9,479})\end{aligned}}$$

$$p_{10,74} = \frac{1}{2}p_{9,74} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,74}^2 - 4(2p_{9,208} + p_{9,376} + 2p_{9,248} + p_{9,504} + p_{9,452}\\ &+ 2p_{9,12} + p_{9,284} + p_{9,348} + p_{9,354} + p_{9,306} + p_{9,114} + p_{9,26}\\ &+ p_{9,154} + p_{9,122} + p_{9,422} + p_{9,342} + p_{9,182} + 2p_{9,161} + p_{9,165}\\ &+ 2p_{9,141} + p_{9,179} + p_{9,299} + p_{9,187} + p_{9,463} + 2p_{9,159} + p_{9,351})\end{aligned}}$$

$$p_{10,586} = \frac{1}{2}p_{9,74} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,74}^2 - 4(2p_{9,208} + p_{9,376} + 2p_{9,248} + p_{9,504} + p_{9,452}\\ &+ 2p_{9,12} + p_{9,284} + p_{9,348} + p_{9,354} + p_{9,306} + p_{9,114} + p_{9,26}\\ &+ p_{9,154} + p_{9,122} + p_{9,422} + p_{9,342} + p_{9,182} + 2p_{9,161} + p_{9,165}\\ &+ 2p_{9,141} + p_{9,179} + p_{9,299} + p_{9,187} + p_{9,463} + 2p_{9,159} + p_{9,351})\end{aligned}}$$

$$p_{10,330} = \frac{1}{2}p_{9,330} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,330}^2 - 4(2p_{9,464} + p_{9,120} + p_{9,248} + 2p_{9,504} + p_{9,196}\\ &+ 2p_{9,268} + p_{9,28} + p_{9,92} + p_{9,98} + p_{9,50} + p_{9,370} + p_{9,282}\\ &+ p_{9,410} + p_{9,378} + p_{9,166} + p_{9,86} + p_{9,438} + 2p_{9,417} + p_{9,421}\\ &+ 2p_{9,397} + p_{9,435} + p_{9,43} + p_{9,443} + p_{9,207} + 2p_{9,415} + p_{9,95})\end{aligned}}$$

$$p_{10,842} = \frac{1}{2}p_{9,330} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,330}^2 - 4(2p_{9,464} + p_{9,120} + p_{9,248} + 2p_{9,504} + p_{9,196}\\ &+ 2p_{9,268} + p_{9,28} + p_{9,92} + p_{9,98} + p_{9,50} + p_{9,370} + p_{9,282}\\ &+ p_{9,410} + p_{9,378} + p_{9,166} + p_{9,86} + p_{9,438} + 2p_{9,417} + p_{9,421}\\ &+ 2p_{9,397} + p_{9,435} + p_{9,43} + p_{9,443} + p_{9,207} + 2p_{9,415} + p_{9,95})\end{aligned}}$$

$$p_{10,202} = \frac{1}{2}p_{9,202} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,202}^2 - 4(2p_{9,336} + p_{9,120} + 2p_{9,376} + p_{9,504} + p_{9,68}\\&+ 2p_{9,140} + p_{9,412} + p_{9,476} + p_{9,482} + p_{9,434} + p_{9,242} + p_{9,282}\\&+ p_{9,154} + p_{9,250} + p_{9,38} + p_{9,470} + p_{9,310} + 2p_{9,289} + p_{9,293}\\&+ 2p_{9,269} + p_{9,307} + p_{9,427} + p_{9,315} + p_{9,79} + 2p_{9,287} + p_{9,479})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,458} = \frac{1}{2}p_{9,458} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,458}^2 - 4(2p_{9,80} + 2p_{9,120} + p_{9,376} + p_{9,248} + p_{9,324}\\&+ 2p_{9,396} + p_{9,156} + p_{9,220} + p_{9,226} + p_{9,178} + p_{9,498} + p_{9,26}\\&+ p_{9,410} + p_{9,506} + p_{9,294} + p_{9,214} + p_{9,54} + 2p_{9,33} + p_{9,37}\\&+ 2p_{9,13} + p_{9,51} + p_{9,171} + p_{9,59} + p_{9,335} + 2p_{9,31} + p_{9,223})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,42} = \frac{1}{2}p_{9,42} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,42}^2 - 4(2p_{9,176} + p_{9,344} + 2p_{9,216} + p_{9,472} + p_{9,420}\\&+ 2p_{9,492} + p_{9,316} + p_{9,252} + p_{9,322} + p_{9,274} + p_{9,82} + p_{9,90}\\&+ p_{9,122} + p_{9,506} + p_{9,390} + p_{9,150} + p_{9,310} + 2p_{9,129} + p_{9,133}\\&+ 2p_{9,109} + p_{9,147} + p_{9,267} + p_{9,155} + p_{9,431} + p_{9,319} + 2p_{9,127})\end{aligned}}$$

$$p_{10,554} = \frac{1}{2}p_{9,42} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,42}^2 - 4(2p_{9,176} + p_{9,344} + 2p_{9,216} + p_{9,472} + p_{9,420}\\&+ 2p_{9,492} + p_{9,316} + p_{9,252} + p_{9,322} + p_{9,274} + p_{9,82} + p_{9,90}\\&+ p_{9,122} + p_{9,506} + p_{9,390} + p_{9,150} + p_{9,310} + 2p_{9,129} + p_{9,133}\\&+ 2p_{9,109} + p_{9,147} + p_{9,267} + p_{9,155} + p_{9,431} + p_{9,319} + 2p_{9,127})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,810} = \frac{1}{2}p_{9,298} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,298}^2 - 4(2p_{9,432} + p_{9,88} + p_{9,216} + 2p_{9,472} + p_{9,164}\\&+ 2p_{9,236} + p_{9,60} + p_{9,508} + p_{9,66} + p_{9,18} + p_{9,338} + p_{9,346}\\&+ p_{9,378} + p_{9,250} + p_{9,134} + p_{9,406} + p_{9,54} + 2p_{9,385} + p_{9,389}\\&+ 2p_{9,365} + p_{9,403} + p_{9,11} + p_{9,411} + p_{9,175} + p_{9,63} + 2p_{9,383})\end{aligned}}$$

$$p_{10,170} = \frac{1}{2}p_{9,170} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,170}^2 - 4(2p_{9,304} + p_{9,88} + 2p_{9,344} + p_{9,472} + p_{9,36}\\&+ 2p_{9,108} + p_{9,444} + p_{9,380} + p_{9,450} + p_{9,402} + p_{9,210} + p_{9,218}\\&+ p_{9,122} + p_{9,250} + p_{9,6} + p_{9,278} + p_{9,438} + 2p_{9,257} + p_{9,261}\\&+ 2p_{9,237} + p_{9,275} + p_{9,395} + p_{9,283} + p_{9,47} + p_{9,447} + 2p_{9,255})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,426} = \frac{1}{2}p_{9,426} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,426}^2 - 4(2p_{9,48} + 2p_{9,88} + p_{9,344} + p_{9,216} + p_{9,292}\\&+ 2p_{9,364} + p_{9,188} + p_{9,124} + p_{9,194} + p_{9,146} + p_{9,466} + p_{9,474}\\&+ p_{9,378} + p_{9,506} + p_{9,262} + p_{9,22} + p_{9,182} + 2p_{9,1} + p_{9,5}\\&+ 2p_{9,493} + p_{9,19} + p_{9,139} + p_{9,27} + p_{9,303} + p_{9,191} + 2p_{9,511})\end{aligned}}$$

$$p_{10,938} = \frac{1}{2}p_{9,426} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,426}^2 - 4(2p_{9,48} + 2p_{9,88} + p_{9,344} + p_{9,216} + p_{9,292}\\&+ 2p_{9,364} + p_{9,188} + p_{9,124} + p_{9,194} + p_{9,146} + p_{9,466} + p_{9,474}\\&+ p_{9,378} + p_{9,506} + p_{9,262} + p_{9,22} + p_{9,182} + 2p_{9,1} + p_{9,5}\\&+ 2p_{9,493} + p_{9,19} + p_{9,139} + p_{9,27} + p_{9,303} + p_{9,191} + 2p_{9,511})\end{aligned}}$$

2 unreferenced roots were skipped

$$p_{10,362} = \frac{1}{2}p_{9,362} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,362}^2 - 4(2p_{9,496} + 2p_{9,24} + p_{9,280} + p_{9,152} + p_{9,228}\\&+ 2p_{9,300} + p_{9,60} + p_{9,124} + p_{9,130} + p_{9,402} + p_{9,82} + p_{9,410}\\&+ p_{9,314} + p_{9,442} + p_{9,198} + p_{9,470} + p_{9,118} + 2p_{9,449} + p_{9,453}\\&+ 2p_{9,429} + p_{9,467} + p_{9,75} + p_{9,475} + p_{9,239} + 2p_{9,447} + p_{9,127})\end{aligned}}$$

$$p_{10,874} = \frac{1}{2}p_{9,362} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,362}^2 - 4(2p_{9,496} + 2p_{9,24} + p_{9,280} + p_{9,152} + p_{9,228}\\&+ 2p_{9,300} + p_{9,60} + p_{9,124} + p_{9,130} + p_{9,402} + p_{9,82} + p_{9,410}\\&+ p_{9,314} + p_{9,442} + p_{9,198} + p_{9,470} + p_{9,118} + 2p_{9,449} + p_{9,453}\\&+ 2p_{9,429} + p_{9,467} + p_{9,75} + p_{9,475} + p_{9,239} + 2p_{9,447} + p_{9,127})\end{aligned}}$$

$$p_{10,234} = \frac{1}{2}p_{9,234} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,234}^2 - 4(2p_{9,368} + p_{9,24} + p_{9,152} + 2p_{9,408} + p_{9,100}\\&+ 2p_{9,172} + p_{9,444} + p_{9,508} + p_{9,2} + p_{9,274} + p_{9,466} + p_{9,282}\\&+ p_{9,314} + p_{9,186} + p_{9,70} + p_{9,342} + p_{9,502} + 2p_{9,321} + p_{9,325}\\&+ 2p_{9,301} + p_{9,339} + p_{9,459} + p_{9,347} + p_{9,111} + 2p_{9,319} + p_{9,511})\end{aligned}}$$

$$p_{10,746} = \frac{1}{2}p_{9,234} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,234}^2 - 4(2p_{9,368} + p_{9,24} + p_{9,152} + 2p_{9,408} + p_{9,100}\\&+ 2p_{9,172} + p_{9,444} + p_{9,508} + p_{9,2} + p_{9,274} + p_{9,466} + p_{9,282}\\&+ p_{9,314} + p_{9,186} + p_{9,70} + p_{9,342} + p_{9,502} + 2p_{9,321} + p_{9,325}\\&+ 2p_{9,301} + p_{9,339} + p_{9,459} + p_{9,347} + p_{9,111} + 2p_{9,319} + p_{9,511})\end{aligned}}$$

$$p_{10,490} = \frac{1}{2}p_{9,490} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,490}^2 - 4(2p_{9,112} + p_{9,280} + 2p_{9,152} + p_{9,408} + p_{9,356}\\&+ 2p_{9,428} + p_{9,188} + p_{9,252} + p_{9,258} + p_{9,18} + p_{9,210} + p_{9,26}\\&+ p_{9,58} + p_{9,442} + p_{9,326} + p_{9,86} + p_{9,246} + 2p_{9,65} + p_{9,69}\\&+ 2p_{9,45} + p_{9,83} + p_{9,203} + p_{9,91} + p_{9,367} + 2p_{9,63} + p_{9,255})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,26} = \frac{1}{2}p_{9,26} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,26}^2 - 4(2p_{9,160} + p_{9,328} + 2p_{9,200} + p_{9,456} + p_{9,404}\\&+ p_{9,300} + p_{9,236} + 2p_{9,476} + p_{9,258} + p_{9,66} + p_{9,306} + p_{9,74}\\&+ p_{9,106} + p_{9,490} + p_{9,134} + p_{9,294} + p_{9,374} + 2p_{9,113} + p_{9,117}\\&+ 2p_{9,93} + p_{9,131} + p_{9,139} + p_{9,251} + p_{9,303} + 2p_{9,111} + p_{9,415})\end{aligned}}$$

$$p_{10,538} = \frac{1}{2}p_{9,26} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,26}^2 - 4(2p_{9,160} + p_{9,328} + 2p_{9,200} + p_{9,456} + p_{9,404}\\&+ p_{9,300} + p_{9,236} + 2p_{9,476} + p_{9,258} + p_{9,66} + p_{9,306} + p_{9,74}\\&+ p_{9,106} + p_{9,490} + p_{9,134} + p_{9,294} + p_{9,374} + 2p_{9,113} + p_{9,117}\\&+ 2p_{9,93} + p_{9,131} + p_{9,139} + p_{9,251} + p_{9,303} + 2p_{9,111} + p_{9,415})\end{aligned}}$$

$$p_{10,282} = \frac{1}{2}p_{9,282} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,282}^2 - 4(2p_{9,416} + p_{9,72} + p_{9,200} + 2p_{9,456} + p_{9,148}\\&+ p_{9,44} + p_{9,492} + 2p_{9,220} + p_{9,2} + p_{9,322} + p_{9,50} + p_{9,330}\\&+ p_{9,362} + p_{9,234} + p_{9,390} + p_{9,38} + p_{9,118} + 2p_{9,369} + p_{9,373}\\&+ 2p_{9,349} + p_{9,387} + p_{9,395} + p_{9,507} + p_{9,47} + 2p_{9,367} + p_{9,159})\end{aligned}}$$

$$p_{10,794} = \frac{1}{2}p_{9,282} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,282}^2 - 4(2p_{9,416} + p_{9,72} + p_{9,200} + 2p_{9,456} + p_{9,148}\\ &+ p_{9,44} + p_{9,492} + 2p_{9,220} + p_{9,2} + p_{9,322} + p_{9,50} + p_{9,330}\\ &+ p_{9,362} + p_{9,234} + p_{9,390} + p_{9,38} + p_{9,118} + 2p_{9,369} + p_{9,373}\\ &+ 2p_{9,349} + p_{9,387} + p_{9,395} + p_{9,507} + p_{9,47} + 2p_{9,367} + p_{9,159})\end{aligned}}$$

$$p_{10,154} = \frac{1}{2}p_{9,154} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,154}^2 - 4(2p_{9,288} + p_{9,72} + 2p_{9,328} + p_{9,456} + p_{9,20}\\ &+ p_{9,428} + p_{9,364} + 2p_{9,92} + p_{9,386} + p_{9,194} + p_{9,434} + p_{9,202}\\ &+ p_{9,106} + p_{9,234} + p_{9,262} + p_{9,422} + p_{9,502} + 2p_{9,241} + p_{9,245}\\ &+ 2p_{9,221} + p_{9,259} + p_{9,267} + p_{9,379} + p_{9,431} + 2p_{9,239} + p_{9,31})\end{aligned}}$$

$$p_{10,666} = \frac{1}{2}p_{9,154} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,154}^2 - 4(2p_{9,288} + p_{9,72} + 2p_{9,328} + p_{9,456} + p_{9,20}\\ &+ p_{9,428} + p_{9,364} + 2p_{9,92} + p_{9,386} + p_{9,194} + p_{9,434} + p_{9,202}\\ &+ p_{9,106} + p_{9,234} + p_{9,262} + p_{9,422} + p_{9,502} + 2p_{9,241} + p_{9,245}\\ &+ 2p_{9,221} + p_{9,259} + p_{9,267} + p_{9,379} + p_{9,431} + 2p_{9,239} + p_{9,31})\end{aligned}}$$

2 unreferenced roots were skipped

$$p_{10,90} = \frac{1}{2}p_{9,90} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,90}^2 - 4(2p_{9,224} + p_{9,8} + 2p_{9,264} + p_{9,392} + p_{9,468}\\ &+ p_{9,300} + p_{9,364} + 2p_{9,28} + p_{9,130} + p_{9,322} + p_{9,370} + p_{9,138}\\ &+ p_{9,42} + p_{9,170} + p_{9,198} + p_{9,358} + p_{9,438} + 2p_{9,177} + p_{9,181}\\ &+ 2p_{9,157} + p_{9,195} + p_{9,203} + p_{9,315} + 2p_{9,175} + p_{9,367} + p_{9,479})\end{aligned}}$$

$$p_{10,602} = \frac{1}{2}p_{9,90} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,90}^2 - 4(2p_{9,224} + p_{9,8} + 2p_{9,264} + p_{9,392} + p_{9,468}\\ &+ p_{9,300} + p_{9,364} + 2p_{9,28} + p_{9,130} + p_{9,322} + p_{9,370} + p_{9,138}\\ &+ p_{9,42} + p_{9,170} + p_{9,198} + p_{9,358} + p_{9,438} + 2p_{9,177} + p_{9,181}\\ &+ 2p_{9,157} + p_{9,195} + p_{9,203} + p_{9,315} + 2p_{9,175} + p_{9,367} + p_{9,479})\end{aligned}}$$

$$p_{10,346} = \frac{1}{2}p_{9,346} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,346}^2 - 4(2p_{9,480} + 2p_{9,8} + p_{9,264} + p_{9,136} + p_{9,212}\\ &+ p_{9,44} + p_{9,108} + 2p_{9,284} + p_{9,386} + p_{9,66} + p_{9,114} + p_{9,394}\\ &+ p_{9,298} + p_{9,426} + p_{9,454} + p_{9,102} + p_{9,182} + 2p_{9,433} + p_{9,437}\\ &+ 2p_{9,413} + p_{9,451} + p_{9,459} + p_{9,59} + 2p_{9,431} + p_{9,111} + p_{9,223})\end{aligned}}$$

$$p_{10,858} = \frac{1}{2}p_{9,346} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,346}^2 - 4(2p_{9,480} + 2p_{9,8} + p_{9,264} + p_{9,136} + p_{9,212}\\ &+ p_{9,44} + p_{9,108} + 2p_{9,284} + p_{9,386} + p_{9,66} + p_{9,114} + p_{9,394}\\ &+ p_{9,298} + p_{9,426} + p_{9,454} + p_{9,102} + p_{9,182} + 2p_{9,433} + p_{9,437}\\ &+ 2p_{9,413} + p_{9,451} + p_{9,459} + p_{9,59} + 2p_{9,431} + p_{9,111} + p_{9,223})\end{aligned}}$$

$$p_{10,218} = \frac{1}{2}p_{9,218} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,218}^2 - 4(2p_{9,352} + p_{9,8} + p_{9,136} + 2p_{9,392} + p_{9,84}\\ &+ p_{9,428} + p_{9,492} + 2p_{9,156} + p_{9,258} + p_{9,450} + p_{9,498} + p_{9,266}\\ &+ p_{9,298} + p_{9,170} + p_{9,326} + p_{9,486} + p_{9,54} + 2p_{9,305} + p_{9,309}\\ &+ 2p_{9,285} + p_{9,323} + p_{9,331} + p_{9,443} + 2p_{9,303} + p_{9,495} + p_{9,95})\end{aligned}}$$

$$p_{10,730} = \frac{1}{2}p_{9,218} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,218}^2 - 4(2p_{9,352} + p_{9,8} + p_{9,136} + 2p_{9,392} + p_{9,84} \\ &+ p_{9,428} + p_{9,492} + 2p_{9,156} + p_{9,258} + p_{9,450} + p_{9,498} + p_{9,266} \\ &+ p_{9,298} + p_{9,170} + p_{9,326} + p_{9,486} + p_{9,54} + 2p_{9,305} + p_{9,309} \\ &+ 2p_{9,285} + p_{9,323} + p_{9,331} + p_{9,443} + 2p_{9,303} + p_{9,495} + p_{9,95})\end{aligned}}$$

$$p_{10,474} = \frac{1}{2}p_{9,474} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,474}^2 - 4(2p_{9,96} + p_{9,264} + 2p_{9,136} + p_{9,392} + p_{9,340} \\ &+ p_{9,172} + p_{9,236} + 2p_{9,412} + p_{9,2} + p_{9,194} + p_{9,242} + p_{9,10} \\ &+ p_{9,42} + p_{9,426} + p_{9,70} + p_{9,230} + p_{9,310} + 2p_{9,49} + p_{9,53} \\ &+ 2p_{9,29} + p_{9,67} + p_{9,75} + p_{9,187} + 2p_{9,47} + p_{9,239} + p_{9,351})\end{aligned}}$$

$$p_{10,986} = \frac{1}{2}p_{9,474} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,474}^2 - 4(2p_{9,96} + p_{9,264} + 2p_{9,136} + p_{9,392} + p_{9,340} \\ &+ p_{9,172} + p_{9,236} + 2p_{9,412} + p_{9,2} + p_{9,194} + p_{9,242} + p_{9,10} \\ &+ p_{9,42} + p_{9,426} + p_{9,70} + p_{9,230} + p_{9,310} + 2p_{9,49} + p_{9,53} \\ &+ 2p_{9,29} + p_{9,67} + p_{9,75} + p_{9,187} + 2p_{9,47} + p_{9,239} + p_{9,351})\end{aligned}}$$

$$p_{10,58} = \frac{1}{2}p_{9,58} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,58}^2 - 4(2p_{9,192} + p_{9,360} + 2p_{9,232} + p_{9,488} + p_{9,436} \\ &+ p_{9,268} + p_{9,332} + 2p_{9,508} + p_{9,290} + p_{9,98} + p_{9,338} + p_{9,10} \\ &+ p_{9,138} + p_{9,106} + p_{9,326} + p_{9,166} + p_{9,406} + 2p_{9,145} + p_{9,149} \\ &+ 2p_{9,125} + p_{9,163} + p_{9,171} + p_{9,283} + 2p_{9,143} + p_{9,335} + p_{9,447})\end{aligned}}$$

$$p_{10,570} = \frac{1}{2}p_{9,58} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,58}^2 - 4(2p_{9,192} + p_{9,360} + 2p_{9,232} + p_{9,488} + p_{9,436} \\ &+ p_{9,268} + p_{9,332} + 2p_{9,508} + p_{9,290} + p_{9,98} + p_{9,338} + p_{9,10} \\ &+ p_{9,138} + p_{9,106} + p_{9,326} + p_{9,166} + p_{9,406} + 2p_{9,145} + p_{9,149} \\ &+ 2p_{9,125} + p_{9,163} + p_{9,171} + p_{9,283} + 2p_{9,143} + p_{9,335} + p_{9,447})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,826} = \frac{1}{2}p_{9,314} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,314}^2 - 4(2p_{9,448} + p_{9,104} + p_{9,232} + 2p_{9,488} + p_{9,180} \\ &+ p_{9,12} + p_{9,76} + 2p_{9,252} + p_{9,34} + p_{9,354} + p_{9,82} + p_{9,266} \\ &+ p_{9,394} + p_{9,362} + p_{9,70} + p_{9,422} + p_{9,150} + 2p_{9,401} + p_{9,405} \\ &+ 2p_{9,381} + p_{9,419} + p_{9,427} + p_{9,27} + 2p_{9,399} + p_{9,79} + p_{9,191})\end{aligned}}$$

$$p_{10,186} = \frac{1}{2}p_{9,186} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,186}^2 - 4(2p_{9,320} + p_{9,104} + 2p_{9,360} + p_{9,488} + p_{9,52} \\ &+ p_{9,396} + p_{9,460} + 2p_{9,124} + p_{9,418} + p_{9,226} + p_{9,466} + p_{9,266} \\ &+ p_{9,138} + p_{9,234} + p_{9,454} + p_{9,294} + p_{9,22} + 2p_{9,273} + p_{9,277} \\ &+ 2p_{9,253} + p_{9,291} + p_{9,299} + p_{9,411} + 2p_{9,271} + p_{9,463} + p_{9,63})\end{aligned}}$$

$$p_{10,698} = \frac{1}{2}p_{9,186} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,186}^2 - 4(2p_{9,320} + p_{9,104} + 2p_{9,360} + p_{9,488} + p_{9,52} \\ &+ p_{9,396} + p_{9,460} + 2p_{9,124} + p_{9,418} + p_{9,226} + p_{9,466} + p_{9,266} \\ &+ p_{9,138} + p_{9,234} + p_{9,454} + p_{9,294} + p_{9,22} + 2p_{9,273} + p_{9,277} \\ &+ 2p_{9,253} + p_{9,291} + p_{9,299} + p_{9,411} + 2p_{9,271} + p_{9,463} + p_{9,63})\end{aligned}}$$

$$p_{10,442} = \frac{1}{2}p_{9,442} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,442}^2 - 4(2p_{9,64} + 2p_{9,104} + p_{9,360} + p_{9,232} + p_{9,308}\\&+ p_{9,140} + p_{9,204} + 2p_{9,380} + p_{9,162} + p_{9,482} + p_{9,210} + p_{9,10}\\&+ p_{9,394} + p_{9,490} + p_{9,198} + p_{9,38} + p_{9,278} + 2p_{9,17} + p_{9,21}\\&+ 2p_{9,509} + p_{9,35} + p_{9,43} + p_{9,155} + 2p_{9,15} + p_{9,207} + p_{9,319})\end{aligned}}$$

$$p_{10,954} = \frac{1}{2}p_{9,442} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,442}^2 - 4(2p_{9,64} + 2p_{9,104} + p_{9,360} + p_{9,232} + p_{9,308}\\&+ p_{9,140} + p_{9,204} + 2p_{9,380} + p_{9,162} + p_{9,482} + p_{9,210} + p_{9,10}\\&+ p_{9,394} + p_{9,490} + p_{9,198} + p_{9,38} + p_{9,278} + 2p_{9,17} + p_{9,21}\\&+ 2p_{9,509} + p_{9,35} + p_{9,43} + p_{9,155} + 2p_{9,15} + p_{9,207} + p_{9,319})\end{aligned}}$$

$$p_{10,122} = \frac{1}{2}p_{9,122} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,122}^2 - 4(2p_{9,256} + p_{9,40} + 2p_{9,296} + p_{9,424} + p_{9,500}\\&+ p_{9,396} + p_{9,332} + 2p_{9,60} + p_{9,162} + p_{9,354} + p_{9,402} + p_{9,74}\\&+ p_{9,202} + p_{9,170} + p_{9,390} + p_{9,230} + p_{9,470} + 2p_{9,209} + p_{9,213}\\&+ 2p_{9,189} + p_{9,227} + p_{9,235} + p_{9,347} + p_{9,399} + 2p_{9,207} + p_{9,511})\end{aligned}}$$

$$p_{10,634} = \frac{1}{2}p_{9,122} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,122}^2 - 4(2p_{9,256} + p_{9,40} + 2p_{9,296} + p_{9,424} + p_{9,500}\\&+ p_{9,396} + p_{9,332} + 2p_{9,60} + p_{9,162} + p_{9,354} + p_{9,402} + p_{9,74}\\&+ p_{9,202} + p_{9,170} + p_{9,390} + p_{9,230} + p_{9,470} + 2p_{9,209} + p_{9,213}\\&+ 2p_{9,189} + p_{9,227} + p_{9,235} + p_{9,347} + p_{9,399} + 2p_{9,207} + p_{9,511})\end{aligned}}$$

$$p_{10,378} = \frac{1}{2}p_{9,378} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,378}^2 - 4(2p_{9,0} + 2p_{9,40} + p_{9,296} + p_{9,168} + p_{9,244}\\&+ p_{9,140} + p_{9,76} + 2p_{9,316} + p_{9,418} + p_{9,98} + p_{9,146} + p_{9,330}\\&+ p_{9,458} + p_{9,426} + p_{9,134} + p_{9,486} + p_{9,214} + 2p_{9,465} + p_{9,469}\\&+ 2p_{9,445} + p_{9,483} + p_{9,491} + p_{9,91} + p_{9,143} + 2p_{9,463} + p_{9,255})\end{aligned}}$$

$$p_{10,890} = \frac{1}{2}p_{9,378} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,378}^2 - 4(2p_{9,0} + 2p_{9,40} + p_{9,296} + p_{9,168} + p_{9,244}\\&+ p_{9,140} + p_{9,76} + 2p_{9,316} + p_{9,418} + p_{9,98} + p_{9,146} + p_{9,330}\\&+ p_{9,458} + p_{9,426} + p_{9,134} + p_{9,486} + p_{9,214} + 2p_{9,465} + p_{9,469}\\&+ 2p_{9,445} + p_{9,483} + p_{9,491} + p_{9,91} + p_{9,143} + 2p_{9,463} + p_{9,255})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,762} = \frac{1}{2}p_{9,250} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,250}^2 - 4(2p_{9,384} + p_{9,40} + p_{9,168} + 2p_{9,424} + p_{9,116}\\&+ p_{9,12} + p_{9,460} + 2p_{9,188} + p_{9,290} + p_{9,482} + p_{9,18} + p_{9,330}\\&+ p_{9,202} + p_{9,298} + p_{9,6} + p_{9,358} + p_{9,86} + 2p_{9,337} + p_{9,341}\\&+ 2p_{9,317} + p_{9,355} + p_{9,363} + p_{9,475} + p_{9,15} + 2p_{9,335} + p_{9,127})\end{aligned}}$$

$$p_{10,506} = \frac{1}{2}p_{9,506} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,506}^2 - 4(2p_{9,128} + p_{9,296} + 2p_{9,168} + p_{9,424} + p_{9,372}\\&+ p_{9,268} + p_{9,204} + 2p_{9,444} + p_{9,34} + p_{9,226} + p_{9,274} + p_{9,74}\\&+ p_{9,458} + p_{9,42} + p_{9,262} + p_{9,102} + p_{9,342} + 2p_{9,81} + p_{9,85}\\&+ 2p_{9,61} + p_{9,99} + p_{9,107} + p_{9,219} + p_{9,271} + 2p_{9,79} + p_{9,383})\end{aligned}}$$

$$p_{10,1018} = \frac{1}{2}p_{9,506} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,506}^2 - 4(2p_{9,128} + p_{9,296} + 2p_{9,168} + p_{9,424} + p_{9,372}\\&+ p_{9,268} + p_{9,204} + 2p_{9,444} + p_{9,34} + p_{9,226} + p_{9,274} + p_{9,74}\\&+ p_{9,458} + p_{9,42} + p_{9,262} + p_{9,102} + p_{9,342} + 2p_{9,81} + p_{9,85}\\&+ 2p_{9,61} + p_{9,99} + p_{9,107} + p_{9,219} + p_{9,271} + 2p_{9,79} + p_{9,383})\end{aligned}}$$

$$p_{10,6} = \frac{1}{2}p_{9,6} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,6}^2 - 4(p_{9,384} + 2p_{9,456} + p_{9,280} + p_{9,216} + p_{9,308}\\&+ 2p_{9,180} + p_{9,436} + 2p_{9,140} + p_{9,354} + p_{9,274} + p_{9,114} + p_{9,86}\\&+ p_{9,470} + p_{9,54} + p_{9,46} + p_{9,238} + p_{9,286} + p_{9,97} + 2p_{9,73}\\&+ 2p_{9,93} + p_{9,395} + p_{9,283} + 2p_{9,91} + p_{9,231} + p_{9,119} + p_{9,111})\end{aligned}}$$

$$p_{10,518} = \frac{1}{2}p_{9,6} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,6}^2 - 4(p_{9,384} + 2p_{9,456} + p_{9,280} + p_{9,216} + p_{9,308}\\&+ 2p_{9,180} + p_{9,436} + 2p_{9,140} + p_{9,354} + p_{9,274} + p_{9,114} + p_{9,86}\\&+ p_{9,470} + p_{9,54} + p_{9,46} + p_{9,238} + p_{9,286} + p_{9,97} + 2p_{9,73}\\&+ 2p_{9,93} + p_{9,395} + p_{9,283} + 2p_{9,91} + p_{9,231} + p_{9,119} + p_{9,111})\end{aligned}}$$

$$p_{10,262} = \frac{1}{2}p_{9,262} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,262}^2 - 4(p_{9,128} + 2p_{9,200} + p_{9,24} + p_{9,472} + p_{9,52}\\&+ p_{9,180} + 2p_{9,436} + 2p_{9,396} + p_{9,98} + p_{9,18} + p_{9,370} + p_{9,342}\\&+ p_{9,214} + p_{9,310} + p_{9,302} + p_{9,494} + p_{9,30} + p_{9,353} + 2p_{9,329}\\&+ 2p_{9,349} + p_{9,139} + p_{9,27} + 2p_{9,347} + p_{9,487} + p_{9,375} + p_{9,367})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,134} = \frac{1}{2}p_{9,134} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,134}^2 - 4(p_{9,0} + 2p_{9,72} + p_{9,408} + p_{9,344} + p_{9,52} + 2p_{9,308}\\&+ p_{9,436} + 2p_{9,268} + p_{9,482} + p_{9,402} + p_{9,242} + p_{9,86} + p_{9,214}\\&+ p_{9,182} + p_{9,174} + p_{9,366} + p_{9,414} + p_{9,225} + 2p_{9,201} + 2p_{9,221}\\&+ p_{9,11} + p_{9,411} + 2p_{9,219} + p_{9,359} + p_{9,247} + p_{9,239})\end{aligned}}$$

$$p_{10,646} = \frac{1}{2}p_{9,134} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,134}^2 - 4(p_{9,0} + 2p_{9,72} + p_{9,408} + p_{9,344} + p_{9,52} + 2p_{9,308}\\&+ p_{9,436} + 2p_{9,268} + p_{9,482} + p_{9,402} + p_{9,242} + p_{9,86} + p_{9,214}\\&+ p_{9,182} + p_{9,174} + p_{9,366} + p_{9,414} + p_{9,225} + 2p_{9,201} + 2p_{9,221}\\&+ p_{9,11} + p_{9,411} + 2p_{9,219} + p_{9,359} + p_{9,247} + p_{9,239})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,902} = \frac{1}{2}p_{9,390} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,390}^2 - 4(p_{9,256} + 2p_{9,328} + p_{9,152} + p_{9,88} + 2p_{9,52}\\&+ p_{9,308} + p_{9,180} + 2p_{9,12} + p_{9,226} + p_{9,146} + p_{9,498} + p_{9,342}\\&+ p_{9,470} + p_{9,438} + p_{9,430} + p_{9,110} + p_{9,158} + p_{9,481} + 2p_{9,457}\\&+ 2p_{9,477} + p_{9,267} + p_{9,155} + 2p_{9,475} + p_{9,103} + p_{9,503} + p_{9,495})\end{aligned}}$$

$$p_{10,70} = \frac{1}{2}p_{9,70} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,70}^2 - 4(p_{9,448} + 2p_{9,8} + p_{9,280} + p_{9,344} + p_{9,372}\\&+ 2p_{9,244} + p_{9,500} + 2p_{9,204} + p_{9,418} + p_{9,338} + p_{9,178} + p_{9,22}\\&+ p_{9,150} + p_{9,118} + p_{9,302} + p_{9,110} + p_{9,350} + p_{9,161} + 2p_{9,137}\\&+ 2p_{9,157} + p_{9,459} + 2p_{9,155} + p_{9,347} + p_{9,295} + p_{9,183} + p_{9,175})\end{aligned}}$$

$$p_{10,582} = \frac{1}{2}p_{9,70} + \frac{1}{2}\sqrt{\begin{array}{l}p_{9,70}^2 - 4(p_{9,448} + 2p_{9,8} + p_{9,280} + p_{9,344} + p_{9,372} \\ + 2p_{9,244} + p_{9,500} + 2p_{9,204} + p_{9,418} + p_{9,338} + p_{9,178} + p_{9,22} \\ + p_{9,150} + p_{9,118} + p_{9,302} + p_{9,110} + p_{9,350} + p_{9,161} + 2p_{9,137} \\ + 2p_{9,157} + p_{9,459} + 2p_{9,155} + p_{9,347} + p_{9,295} + p_{9,183} + p_{9,175})\end{array}}$$

$$p_{10,326} = \frac{1}{2}p_{9,326} - \frac{1}{2}\sqrt{\begin{array}{l}p_{9,326}^2 - 4(p_{9,192} + 2p_{9,264} + p_{9,24} + p_{9,88} + p_{9,116} \\ + p_{9,244} + 2p_{9,500} + 2p_{9,460} + p_{9,162} + p_{9,82} + p_{9,434} + p_{9,278} \\ + p_{9,406} + p_{9,374} + p_{9,46} + p_{9,366} + p_{9,94} + p_{9,417} + 2p_{9,393} \\ + 2p_{9,413} + p_{9,203} + 2p_{9,411} + p_{9,91} + p_{9,39} + p_{9,439} + p_{9,431})\end{array}}$$

$$p_{10,838} = \frac{1}{2}p_{9,326} + \frac{1}{2}\sqrt{\begin{array}{l}p_{9,326}^2 - 4(p_{9,192} + 2p_{9,264} + p_{9,24} + p_{9,88} + p_{9,116} \\ + p_{9,244} + 2p_{9,500} + 2p_{9,460} + p_{9,162} + p_{9,82} + p_{9,434} + p_{9,278} \\ + p_{9,406} + p_{9,374} + p_{9,46} + p_{9,366} + p_{9,94} + p_{9,417} + 2p_{9,393} \\ + 2p_{9,413} + p_{9,203} + 2p_{9,411} + p_{9,91} + p_{9,39} + p_{9,439} + p_{9,431})\end{array}}$$

$$p_{10,198} = \frac{1}{2}p_{9,198} - \frac{1}{2}\sqrt{\begin{array}{l}p_{9,198}^2 - 4(p_{9,64} + 2p_{9,136} + p_{9,408} + p_{9,472} + p_{9,116} \\ + 2p_{9,372} + p_{9,500} + 2p_{9,332} + p_{9,34} + p_{9,466} + p_{9,306} + p_{9,278} \\ + p_{9,150} + p_{9,246} + p_{9,430} + p_{9,238} + p_{9,478} + p_{9,289} + 2p_{9,265} \\ + 2p_{9,285} + p_{9,75} + 2p_{9,283} + p_{9,475} + p_{9,423} + p_{9,311} + p_{9,303})\end{array}}$$

1 unreferenced roots were skipped

$$p_{10,454} = \frac{1}{2}p_{9,454} + \frac{1}{2}\sqrt{\begin{array}{l}p_{9,454}^2 - 4(p_{9,320} + 2p_{9,392} + p_{9,152} + p_{9,216} + 2p_{9,116} \\ + p_{9,372} + p_{9,244} + 2p_{9,76} + p_{9,290} + p_{9,210} + p_{9,50} + p_{9,22} \\ + p_{9,406} + p_{9,502} + p_{9,174} + p_{9,494} + p_{9,222} + p_{9,33} + 2p_{9,9} \\ + 2p_{9,29} + p_{9,331} + 2p_{9,27} + p_{9,219} + p_{9,167} + p_{9,55} + p_{9,47})\end{array}}$$

2 unreferenced roots were skipped

$$p_{10,550} = \frac{1}{2}p_{9,38} + \frac{1}{2}\sqrt{\begin{array}{l}p_{9,38}^2 - 4(p_{9,416} + 2p_{9,488} + p_{9,312} + p_{9,248} + p_{9,340} \\ + 2p_{9,212} + p_{9,468} + 2p_{9,172} + p_{9,386} + p_{9,146} + p_{9,306} + p_{9,86} \\ + p_{9,118} + p_{9,502} + p_{9,270} + p_{9,78} + p_{9,318} + p_{9,129} + 2p_{9,105} \\ + 2p_{9,125} + p_{9,427} + p_{9,315} + 2p_{9,123} + p_{9,263} + p_{9,151} + p_{9,143})\end{array}}$$

1 unreferenced roots were skipped

$$p_{10,806} = \frac{1}{2}p_{9,294} - \frac{1}{2}\sqrt{\begin{array}{l}p_{9,294}^2 - 4(p_{9,160} + 2p_{9,232} + p_{9,56} + p_{9,504} + p_{9,84} \\ + p_{9,212} + 2p_{9,468} + 2p_{9,428} + p_{9,130} + p_{9,402} + p_{9,50} + p_{9,342} \\ + p_{9,374} + p_{9,246} + p_{9,14} + p_{9,334} + p_{9,62} + p_{9,385} + 2p_{9,361} \\ + 2p_{9,381} + p_{9,171} + p_{9,59} + 2p_{9,379} + p_{9,7} + p_{9,407} + p_{9,399})\end{array}}$$

$$p_{10,166} = \frac{1}{2}p_{9,166} - \frac{1}{2}\sqrt{\begin{array}{l}p_{9,166}^2 - 4(p_{9,32} + 2p_{9,104} + p_{9,440} + p_{9,376} + p_{9,84} \\ + 2p_{9,340} + p_{9,468} + 2p_{9,300} + p_{9,2} + p_{9,274} + p_{9,434} + p_{9,214} \\ + p_{9,118} + p_{9,246} + p_{9,398} + p_{9,206} + p_{9,446} + p_{9,257} + 2p_{9,233} \\ + 2p_{9,253} + p_{9,43} + p_{9,443} + 2p_{9,251} + p_{9,391} + p_{9,279} + p_{9,271})\end{array}}$$

$$p_{10,678} = \frac{1}{2}p_{9,166} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,166}^2 - 4(p_{9,32} + 2p_{9,104} + p_{9,440} + p_{9,376} + p_{9,84}\\&+ 2p_{9,340} + p_{9,468} + 2p_{9,300} + p_{9,2} + p_{9,274} + p_{9,434} + p_{9,214}\\&+ p_{9,118} + p_{9,246} + p_{9,398} + p_{9,206} + p_{9,446} + p_{9,257} + 2p_{9,233}\\&+ 2p_{9,253} + p_{9,43} + p_{9,443} + 2p_{9,251} + p_{9,391} + p_{9,279} + p_{9,271})\end{aligned}}$$

$$p_{10,422} = \frac{1}{2}p_{9,422} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,422}^2 - 4(p_{9,288} + 2p_{9,360} + p_{9,184} + p_{9,120} + 2p_{9,84}\\&+ p_{9,340} + p_{9,212} + 2p_{9,44} + p_{9,258} + p_{9,18} + p_{9,178} + p_{9,470}\\&+ p_{9,374} + p_{9,502} + p_{9,142} + p_{9,462} + p_{9,190} + p_{9,1} + 2p_{9,489}\\&+ 2p_{9,509} + p_{9,299} + p_{9,187} + 2p_{9,507} + p_{9,135} + p_{9,23} + p_{9,15})\end{aligned}}$$

$$p_{10,934} = \frac{1}{2}p_{9,422} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,422}^2 - 4(p_{9,288} + 2p_{9,360} + p_{9,184} + p_{9,120} + 2p_{9,84}\\&+ p_{9,340} + p_{9,212} + 2p_{9,44} + p_{9,258} + p_{9,18} + p_{9,178} + p_{9,470}\\&+ p_{9,374} + p_{9,502} + p_{9,142} + p_{9,462} + p_{9,190} + p_{9,1} + 2p_{9,489}\\&+ 2p_{9,509} + p_{9,299} + p_{9,187} + 2p_{9,507} + p_{9,135} + p_{9,23} + p_{9,15})\end{aligned}}$$

$$p_{10,102} = \frac{1}{2}p_{9,102} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,102}^2 - 4(p_{9,480} + 2p_{9,40} + p_{9,312} + p_{9,376} + p_{9,20}\\&+ 2p_{9,276} + p_{9,404} + 2p_{9,236} + p_{9,450} + p_{9,210} + p_{9,370} + p_{9,150}\\&+ p_{9,54} + p_{9,182} + p_{9,142} + p_{9,334} + p_{9,382} + p_{9,193} + 2p_{9,169}\\&+ 2p_{9,189} + p_{9,491} + 2p_{9,187} + p_{9,379} + p_{9,327} + p_{9,215} + p_{9,207})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,358} = \frac{1}{2}p_{9,358} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,358}^2 - 4(p_{9,224} + 2p_{9,296} + p_{9,56} + p_{9,120} + 2p_{9,20}\\&+ p_{9,276} + p_{9,148} + 2p_{9,492} + p_{9,194} + p_{9,466} + p_{9,114} + p_{9,406}\\&+ p_{9,310} + p_{9,438} + p_{9,398} + p_{9,78} + p_{9,126} + p_{9,449} + 2p_{9,425}\\&+ 2p_{9,445} + p_{9,235} + 2p_{9,443} + p_{9,123} + p_{9,71} + p_{9,471} + p_{9,463})\end{aligned}}$$

$$p_{10,870} = \frac{1}{2}p_{9,358} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,358}^2 - 4(p_{9,224} + 2p_{9,296} + p_{9,56} + p_{9,120} + 2p_{9,20}\\&+ p_{9,276} + p_{9,148} + 2p_{9,492} + p_{9,194} + p_{9,466} + p_{9,114} + p_{9,406}\\&+ p_{9,310} + p_{9,438} + p_{9,398} + p_{9,78} + p_{9,126} + p_{9,449} + 2p_{9,425}\\&+ 2p_{9,445} + p_{9,235} + 2p_{9,443} + p_{9,123} + p_{9,71} + p_{9,471} + p_{9,463})\end{aligned}}$$

$$p_{10,230} = \frac{1}{2}p_{9,230} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,230}^2 - 4(p_{9,96} + 2p_{9,168} + p_{9,440} + p_{9,504} + p_{9,20}\\&+ p_{9,148} + 2p_{9,404} + 2p_{9,364} + p_{9,66} + p_{9,338} + p_{9,498} + p_{9,278}\\&+ p_{9,310} + p_{9,182} + p_{9,270} + p_{9,462} + p_{9,510} + p_{9,321} + 2p_{9,297}\\&+ 2p_{9,317} + p_{9,107} + 2p_{9,315} + p_{9,507} + p_{9,455} + p_{9,343} + p_{9,335})\end{aligned}}$$

$$p_{10,742} = \frac{1}{2}p_{9,230} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,230}^2 - 4(p_{9,96} + 2p_{9,168} + p_{9,440} + p_{9,504} + p_{9,20}\\&+ p_{9,148} + 2p_{9,404} + 2p_{9,364} + p_{9,66} + p_{9,338} + p_{9,498} + p_{9,278}\\&+ p_{9,310} + p_{9,182} + p_{9,270} + p_{9,462} + p_{9,510} + p_{9,321} + 2p_{9,297}\\&+ 2p_{9,317} + p_{9,107} + 2p_{9,315} + p_{9,507} + p_{9,455} + p_{9,343} + p_{9,335})\end{aligned}}$$

$$p_{10,486} = \frac{1}{2}p_{9,486} + \frac{1}{2}\sqrt{\begin{array}{l} p_{9,486}^2 - 4(p_{9,352} + 2p_{9,424} + p_{9,184} + p_{9,248} + p_{9,276} \\ + 2p_{9,148} + p_{9,404} + 2p_{9,108} + p_{9,322} + p_{9,82} + p_{9,242} + p_{9,22} \\ + p_{9,54} + p_{9,438} + p_{9,14} + p_{9,206} + p_{9,254} + p_{9,65} + 2p_{9,41} \\ + 2p_{9,61} + p_{9,363} + 2p_{9,59} + p_{9,251} + p_{9,199} + p_{9,87} + p_{9,79}) \end{array}}$$

$$p_{10,998} = \frac{1}{2}p_{9,486} - \frac{1}{2}\sqrt{\begin{array}{l} p_{9,486}^2 - 4(p_{9,352} + 2p_{9,424} + p_{9,184} + p_{9,248} + p_{9,276} \\ + 2p_{9,148} + p_{9,404} + 2p_{9,108} + p_{9,322} + p_{9,82} + p_{9,242} + p_{9,22} \\ + p_{9,54} + p_{9,438} + p_{9,14} + p_{9,206} + p_{9,254} + p_{9,65} + 2p_{9,41} \\ + 2p_{9,61} + p_{9,363} + 2p_{9,59} + p_{9,251} + p_{9,199} + p_{9,87} + p_{9,79}) \end{array}}$$

$$p_{10,22} = \frac{1}{2}p_{9,22} - \frac{1}{2}\sqrt{\begin{array}{l} p_{9,22}^2 - 4(p_{9,400} + p_{9,296} + p_{9,232} + 2p_{9,472} + p_{9,324} \\ + 2p_{9,196} + p_{9,452} + 2p_{9,156} + p_{9,130} + p_{9,290} + p_{9,370} + p_{9,70} \\ + p_{9,102} + p_{9,486} + p_{9,302} + p_{9,62} + p_{9,254} + p_{9,113} + 2p_{9,89} \\ + 2p_{9,109} + p_{9,299} + 2p_{9,107} + p_{9,411} + p_{9,135} + p_{9,247} + p_{9,127}) \end{array}}$$

$$p_{10,534} = \frac{1}{2}p_{9,22} + \frac{1}{2}\sqrt{\begin{array}{l} p_{9,22}^2 - 4(p_{9,400} + p_{9,296} + p_{9,232} + 2p_{9,472} + p_{9,324} \\ + 2p_{9,196} + p_{9,452} + 2p_{9,156} + p_{9,130} + p_{9,290} + p_{9,370} + p_{9,70} \\ + p_{9,102} + p_{9,486} + p_{9,302} + p_{9,62} + p_{9,254} + p_{9,113} + 2p_{9,89} \\ + 2p_{9,109} + p_{9,299} + 2p_{9,107} + p_{9,411} + p_{9,135} + p_{9,247} + p_{9,127}) \end{array}}$$

$$p_{10,278} = \frac{1}{2}p_{9,278} - \frac{1}{2}\sqrt{\begin{array}{l} p_{9,278}^2 - 4(p_{9,144} + p_{9,40} + p_{9,488} + 2p_{9,216} + p_{9,68} \\ + p_{9,196} + 2p_{9,452} + 2p_{9,412} + p_{9,386} + p_{9,34} + p_{9,114} + p_{9,326} \\ + p_{9,358} + p_{9,230} + p_{9,46} + p_{9,318} + p_{9,510} + p_{9,369} + 2p_{9,345} \\ + 2p_{9,365} + p_{9,43} + 2p_{9,363} + p_{9,155} + p_{9,391} + p_{9,503} + p_{9,383}) \end{array}}$$

$$p_{10,790} = \frac{1}{2}p_{9,278} + \frac{1}{2}\sqrt{\begin{array}{l} p_{9,278}^2 - 4(p_{9,144} + p_{9,40} + p_{9,488} + 2p_{9,216} + p_{9,68} \\ + p_{9,196} + 2p_{9,452} + 2p_{9,412} + p_{9,386} + p_{9,34} + p_{9,114} + p_{9,326} \\ + p_{9,358} + p_{9,230} + p_{9,46} + p_{9,318} + p_{9,510} + p_{9,369} + 2p_{9,345} \\ + 2p_{9,365} + p_{9,43} + 2p_{9,363} + p_{9,155} + p_{9,391} + p_{9,503} + p_{9,383}) \end{array}}$$

$$p_{10,150} = \frac{1}{2}p_{9,150} + \frac{1}{2}\sqrt{\begin{array}{l} p_{9,150}^2 - 4(p_{9,16} + p_{9,424} + p_{9,360} + 2p_{9,88} + p_{9,68} \\ + 2p_{9,324} + p_{9,452} + 2p_{9,284} + p_{9,258} + p_{9,418} + p_{9,498} + p_{9,198} \\ + p_{9,102} + p_{9,230} + p_{9,430} + p_{9,190} + p_{9,382} + p_{9,241} + 2p_{9,217} \\ + 2p_{9,237} + p_{9,427} + 2p_{9,235} + p_{9,27} + p_{9,263} + p_{9,375} + p_{9,255}) \end{array}}$$

$$p_{10,662} = \frac{1}{2}p_{9,150} - \frac{1}{2}\sqrt{\begin{array}{l} p_{9,150}^2 - 4(p_{9,16} + p_{9,424} + p_{9,360} + 2p_{9,88} + p_{9,68} \\ + 2p_{9,324} + p_{9,452} + 2p_{9,284} + p_{9,258} + p_{9,418} + p_{9,498} + p_{9,198} \\ + p_{9,102} + p_{9,230} + p_{9,430} + p_{9,190} + p_{9,382} + p_{9,241} + 2p_{9,217} \\ + 2p_{9,237} + p_{9,427} + 2p_{9,235} + p_{9,27} + p_{9,263} + p_{9,375} + p_{9,255}) \end{array}}$$

1 unreferenced roots were skipped

$$p_{10,918} = \frac{1}{2}p_{9,406} + \frac{1}{2}\sqrt{\begin{array}{l} p_{9,406}^2 - 4(p_{9,272} + p_{9,168} + p_{9,104} + 2p_{9,344} + 2p_{9,68} \\ + p_{9,324} + p_{9,196} + 2p_{9,28} + p_{9,2} + p_{9,162} + p_{9,242} + p_{9,454} \\ + p_{9,358} + p_{9,486} + p_{9,174} + p_{9,446} + p_{9,126} + p_{9,497} + 2p_{9,473} \\ + 2p_{9,493} + p_{9,171} + 2p_{9,491} + p_{9,283} + p_{9,7} + p_{9,119} + p_{9,511}) \end{array}}$$

$$p_{10,86} = \frac{1}{2}p_{9,86} - \frac{1}{2}\sqrt{\begin{array}{l} p_{9,86}^2 - 4(p_{9,464} + p_{9,296} + p_{9,360} + 2p_{9,24} + p_{9,4} + 2p_{9,260} \\ + p_{9,388} + 2p_{9,220} + p_{9,194} + p_{9,354} + p_{9,434} + p_{9,134} + p_{9,38} \\ + p_{9,166} + p_{9,366} + p_{9,318} + p_{9,126} + p_{9,177} + 2p_{9,153} + 2p_{9,173} \\ + 2p_{9,171} + p_{9,363} + p_{9,475} + p_{9,199} + p_{9,311} + p_{9,191}) \end{array}}$$

$$p_{10,598} = \frac{1}{2}p_{9,86} + \frac{1}{2}\sqrt{\begin{array}{l} p_{9,86}^2 - 4(p_{9,464} + p_{9,296} + p_{9,360} + 2p_{9,24} + p_{9,4} + 2p_{9,260} \\ + p_{9,388} + 2p_{9,220} + p_{9,194} + p_{9,354} + p_{9,434} + p_{9,134} + p_{9,38} \\ + p_{9,166} + p_{9,366} + p_{9,318} + p_{9,126} + p_{9,177} + 2p_{9,153} + 2p_{9,173} \\ + 2p_{9,171} + p_{9,363} + p_{9,475} + p_{9,199} + p_{9,311} + p_{9,191}) \end{array}}$$

$$p_{10,342} = \frac{1}{2}p_{9,342} - \frac{1}{2}\sqrt{\begin{array}{l} p_{9,342}^2 - 4(p_{9,208} + p_{9,40} + p_{9,104} + 2p_{9,280} + 2p_{9,4} \\ + p_{9,260} + p_{9,132} + 2p_{9,476} + p_{9,450} + p_{9,98} + p_{9,178} + p_{9,390} \\ + p_{9,294} + p_{9,422} + p_{9,110} + p_{9,62} + p_{9,382} + p_{9,433} + 2p_{9,409} \\ + 2p_{9,429} + 2p_{9,427} + p_{9,107} + p_{9,219} + p_{9,455} + p_{9,55} + p_{9,447}) \end{array}}$$

$$p_{10,854} = \frac{1}{2}p_{9,342} + \frac{1}{2}\sqrt{\begin{array}{l} p_{9,342}^2 - 4(p_{9,208} + p_{9,40} + p_{9,104} + 2p_{9,280} + 2p_{9,4} \\ + p_{9,260} + p_{9,132} + 2p_{9,476} + p_{9,450} + p_{9,98} + p_{9,178} + p_{9,390} \\ + p_{9,294} + p_{9,422} + p_{9,110} + p_{9,62} + p_{9,382} + p_{9,433} + 2p_{9,409} \\ + 2p_{9,429} + 2p_{9,427} + p_{9,107} + p_{9,219} + p_{9,455} + p_{9,55} + p_{9,447}) \end{array}}$$

$$p_{10,214} = \frac{1}{2}p_{9,214} - \frac{1}{2}\sqrt{\begin{array}{l} p_{9,214}^2 - 4(p_{9,80} + p_{9,424} + p_{9,488} + 2p_{9,152} + p_{9,4} + p_{9,132} \\ + 2p_{9,388} + 2p_{9,348} + p_{9,322} + p_{9,482} + p_{9,50} + p_{9,262} + p_{9,294} \\ + p_{9,166} + p_{9,494} + p_{9,446} + p_{9,254} + p_{9,305} + 2p_{9,281} + 2p_{9,301} \\ + 2p_{9,299} + p_{9,491} + p_{9,91} + p_{9,327} + p_{9,439} + p_{9,319}) \end{array}}$$

$$p_{10,726} = \frac{1}{2}p_{9,214} + \frac{1}{2}\sqrt{\begin{array}{l} p_{9,214}^2 - 4(p_{9,80} + p_{9,424} + p_{9,488} + 2p_{9,152} + p_{9,4} + p_{9,132} \\ + 2p_{9,388} + 2p_{9,348} + p_{9,322} + p_{9,482} + p_{9,50} + p_{9,262} + p_{9,294} \\ + p_{9,166} + p_{9,494} + p_{9,446} + p_{9,254} + p_{9,305} + 2p_{9,281} + 2p_{9,301} \\ + 2p_{9,299} + p_{9,491} + p_{9,91} + p_{9,327} + p_{9,439} + p_{9,319}) \end{array}}$$

$$p_{10,470} = \frac{1}{2}p_{9,470} - \frac{1}{2}\sqrt{\begin{array}{l} p_{9,470}^2 - 4(p_{9,336} + p_{9,168} + p_{9,232} + 2p_{9,408} + p_{9,260} \\ + 2p_{9,132} + p_{9,388} + 2p_{9,92} + p_{9,66} + p_{9,226} + p_{9,306} + p_{9,6} \\ + p_{9,38} + p_{9,422} + p_{9,238} + p_{9,190} + p_{9,510} + p_{9,49} + 2p_{9,25} \\ + 2p_{9,45} + 2p_{9,43} + p_{9,235} + p_{9,347} + p_{9,71} + p_{9,183} + p_{9,63}) \end{array}}$$

$$p_{10,982} = \frac{1}{2}p_{9,470} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,470}^2 - 4(p_{9,336} + p_{9,168} + p_{9,232} + 2p_{9,408} + p_{9,260}\\&+ 2p_{9,132} + p_{9,388} + 2p_{9,92} + p_{9,66} + p_{9,226} + p_{9,306} + p_{9,6}\\&+ p_{9,38} + p_{9,422} + p_{9,238} + p_{9,190} + p_{9,510} + p_{9,49} + 2p_{9,25}\\&+ 2p_{9,45} + 2p_{9,43} + p_{9,235} + p_{9,347} + p_{9,71} + p_{9,183} + p_{9,63})\end{aligned}}$$

$$p_{10,54} = \frac{1}{2}p_{9,54} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,54}^2 - 4(p_{9,432} + p_{9,264} + p_{9,328} + 2p_{9,504} + p_{9,356}\\&+ 2p_{9,228} + p_{9,484} + 2p_{9,188} + p_{9,322} + p_{9,162} + p_{9,402} + p_{9,6}\\&+ p_{9,134} + p_{9,102} + p_{9,334} + p_{9,286} + p_{9,94} + p_{9,145} + 2p_{9,121}\\&+ 2p_{9,141} + 2p_{9,139} + p_{9,331} + p_{9,443} + p_{9,167} + p_{9,279} + p_{9,159})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,310} = \frac{1}{2}p_{9,310} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,310}^2 - 4(p_{9,176} + p_{9,8} + p_{9,72} + 2p_{9,248} + p_{9,100}\\&+ p_{9,228} + 2p_{9,484} + 2p_{9,444} + p_{9,66} + p_{9,418} + p_{9,146} + p_{9,262}\\&+ p_{9,390} + p_{9,358} + p_{9,78} + p_{9,30} + p_{9,350} + p_{9,401} + 2p_{9,377}\\&+ 2p_{9,397} + 2p_{9,395} + p_{9,75} + p_{9,187} + p_{9,423} + p_{9,23} + p_{9,415})\end{aligned}}$$

$$p_{10,822} = \frac{1}{2}p_{9,310} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,310}^2 - 4(p_{9,176} + p_{9,8} + p_{9,72} + 2p_{9,248} + p_{9,100}\\&+ p_{9,228} + 2p_{9,484} + 2p_{9,444} + p_{9,66} + p_{9,418} + p_{9,146} + p_{9,262}\\&+ p_{9,390} + p_{9,358} + p_{9,78} + p_{9,30} + p_{9,350} + p_{9,401} + 2p_{9,377}\\&+ 2p_{9,397} + 2p_{9,395} + p_{9,75} + p_{9,187} + p_{9,423} + p_{9,23} + p_{9,415})\end{aligned}}$$

$$p_{10,182} = \frac{1}{2}p_{9,182} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,182}^2 - 4(p_{9,48} + p_{9,392} + p_{9,456} + 2p_{9,120} + p_{9,100}\\&+ 2p_{9,356} + p_{9,484} + 2p_{9,316} + p_{9,450} + p_{9,290} + p_{9,18} + p_{9,262}\\&+ p_{9,134} + p_{9,230} + p_{9,462} + p_{9,414} + p_{9,222} + p_{9,273} + 2p_{9,249}\\&+ 2p_{9,269} + 2p_{9,267} + p_{9,459} + p_{9,59} + p_{9,295} + p_{9,407} + p_{9,287})\end{aligned}}$$

$$p_{10,694} = \frac{1}{2}p_{9,182} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,182}^2 - 4(p_{9,48} + p_{9,392} + p_{9,456} + 2p_{9,120} + p_{9,100}\\&+ 2p_{9,356} + p_{9,484} + 2p_{9,316} + p_{9,450} + p_{9,290} + p_{9,18} + p_{9,262}\\&+ p_{9,134} + p_{9,230} + p_{9,462} + p_{9,414} + p_{9,222} + p_{9,273} + 2p_{9,249}\\&+ 2p_{9,269} + 2p_{9,267} + p_{9,459} + p_{9,59} + p_{9,295} + p_{9,407} + p_{9,287})\end{aligned}}$$

$$p_{10,438} = \frac{1}{2}p_{9,438} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,438}^2 - 4(p_{9,304} + p_{9,136} + p_{9,200} + 2p_{9,376} + 2p_{9,100}\\&+ p_{9,356} + p_{9,228} + 2p_{9,60} + p_{9,194} + p_{9,34} + p_{9,274} + p_{9,6}\\&+ p_{9,390} + p_{9,486} + p_{9,206} + p_{9,158} + p_{9,478} + p_{9,17} + 2p_{9,505}\\&+ 2p_{9,13} + 2p_{9,11} + p_{9,203} + p_{9,315} + p_{9,39} + p_{9,151} + p_{9,31})\end{aligned}}$$

$$p_{10,950} = \frac{1}{2}p_{9,438} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,438}^2 - 4(p_{9,304} + p_{9,136} + p_{9,200} + 2p_{9,376} + 2p_{9,100}\\&+ p_{9,356} + p_{9,228} + 2p_{9,60} + p_{9,194} + p_{9,34} + p_{9,274} + p_{9,6}\\&+ p_{9,390} + p_{9,486} + p_{9,206} + p_{9,158} + p_{9,478} + p_{9,17} + 2p_{9,505}\\&+ 2p_{9,13} + 2p_{9,11} + p_{9,203} + p_{9,315} + p_{9,39} + p_{9,151} + p_{9,31})\end{aligned}}$$

$$p_{10,118} = \frac{1}{2}p_{9,118} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,118}^2 - 4(p_{9,496} + p_{9,392} + p_{9,328} + 2p_{9,56} + p_{9,36}\\&+ 2p_{9,292} + p_{9,420} + 2p_{9,252} + p_{9,386} + p_{9,226} + p_{9,466} + p_{9,70}\\&+ p_{9,198} + p_{9,166} + p_{9,398} + p_{9,158} + p_{9,350} + p_{9,209} + 2p_{9,185}\\&+ 2p_{9,205} + p_{9,395} + 2p_{9,203} + p_{9,507} + p_{9,231} + p_{9,343} + p_{9,223})\end{aligned}}$$

$$p_{10,630} = \frac{1}{2}p_{9,118} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,118}^2 - 4(p_{9,496} + p_{9,392} + p_{9,328} + 2p_{9,56} + p_{9,36}\\&+ 2p_{9,292} + p_{9,420} + 2p_{9,252} + p_{9,386} + p_{9,226} + p_{9,466} + p_{9,70}\\&+ p_{9,198} + p_{9,166} + p_{9,398} + p_{9,158} + p_{9,350} + p_{9,209} + 2p_{9,185}\\&+ 2p_{9,205} + p_{9,395} + 2p_{9,203} + p_{9,507} + p_{9,231} + p_{9,343} + p_{9,223})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,886} = \frac{1}{2}p_{9,374} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,374}^2 - 4(p_{9,240} + p_{9,136} + p_{9,72} + 2p_{9,312} + 2p_{9,36}\\&+ p_{9,292} + p_{9,164} + 2p_{9,508} + p_{9,130} + p_{9,482} + p_{9,210} + p_{9,326}\\&+ p_{9,454} + p_{9,422} + p_{9,142} + p_{9,414} + p_{9,94} + p_{9,465} + 2p_{9,441}\\&+ 2p_{9,461} + p_{9,139} + 2p_{9,459} + p_{9,251} + p_{9,487} + p_{9,87} + p_{9,479})\end{aligned}}$$

$$p_{10,246} = \frac{1}{2}p_{9,246} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,246}^2 - 4(p_{9,112} + p_{9,8} + p_{9,456} + 2p_{9,184} + p_{9,36}\\&+ p_{9,164} + 2p_{9,420} + 2p_{9,380} + p_{9,2} + p_{9,354} + p_{9,82} + p_{9,326}\\&+ p_{9,198} + p_{9,294} + p_{9,14} + p_{9,286} + p_{9,478} + p_{9,337} + 2p_{9,313}\\&+ 2p_{9,333} + p_{9,11} + 2p_{9,331} + p_{9,123} + p_{9,359} + p_{9,471} + p_{9,351})\end{aligned}}$$

$$p_{10,758} = \frac{1}{2}p_{9,246} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,246}^2 - 4(p_{9,112} + p_{9,8} + p_{9,456} + 2p_{9,184} + p_{9,36}\\&+ p_{9,164} + 2p_{9,420} + 2p_{9,380} + p_{9,2} + p_{9,354} + p_{9,82} + p_{9,326}\\&+ p_{9,198} + p_{9,294} + p_{9,14} + p_{9,286} + p_{9,478} + p_{9,337} + 2p_{9,313}\\&+ 2p_{9,333} + p_{9,11} + 2p_{9,331} + p_{9,123} + p_{9,359} + p_{9,471} + p_{9,351})\end{aligned}}$$

$$p_{10,502} = \frac{1}{2}p_{9,502} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,502}^2 - 4(p_{9,368} + p_{9,264} + p_{9,200} + 2p_{9,440} + p_{9,292}\\&+ 2p_{9,164} + p_{9,420} + 2p_{9,124} + p_{9,258} + p_{9,98} + p_{9,338} + p_{9,70}\\&+ p_{9,454} + p_{9,38} + p_{9,270} + p_{9,30} + p_{9,222} + p_{9,81} + 2p_{9,57}\\&+ 2p_{9,77} + p_{9,267} + 2p_{9,75} + p_{9,379} + p_{9,103} + p_{9,215} + p_{9,95})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,14} = \frac{1}{2}p_{9,14} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,14}^2 - 4(p_{9,288} + p_{9,224} + 2p_{9,464} + p_{9,392} + 2p_{9,148}\\&+ p_{9,316} + 2p_{9,188} + p_{9,444} + p_{9,362} + p_{9,282} + p_{9,122} + p_{9,294}\\&+ p_{9,54} + p_{9,246} + p_{9,94} + p_{9,478} + p_{9,62} + 2p_{9,81} + p_{9,105}\\&+ 2p_{9,101} + p_{9,291} + 2p_{9,99} + p_{9,403} + p_{9,119} + p_{9,239} + p_{9,127})\end{aligned}}$$

$$p_{10,526} = \frac{1}{2}p_{9,14} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,14}^2 - 4(p_{9,288} + p_{9,224} + 2p_{9,464} + p_{9,392} + 2p_{9,148}\\&+ p_{9,316} + 2p_{9,188} + p_{9,444} + p_{9,362} + p_{9,282} + p_{9,122} + p_{9,294}\\&+ p_{9,54} + p_{9,246} + p_{9,94} + p_{9,478} + p_{9,62} + 2p_{9,81} + p_{9,105}\\&+ 2p_{9,101} + p_{9,291} + 2p_{9,99} + p_{9,403} + p_{9,119} + p_{9,239} + p_{9,127})\end{aligned}}$$

$$p_{10,270} = \frac{1}{2}p_{9,270} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,270}^2 - 4(p_{9,32} + p_{9,480} + 2p_{9,208} + p_{9,136} + 2p_{9,404}\\&+ p_{9,60} + p_{9,188} + 2p_{9,444} + p_{9,106} + p_{9,26} + p_{9,378} + p_{9,38}\\&+ p_{9,310} + p_{9,502} + p_{9,350} + p_{9,222} + p_{9,318} + 2p_{9,337} + p_{9,361}\\&+ 2p_{9,357} + p_{9,35} + 2p_{9,355} + p_{9,147} + p_{9,375} + p_{9,495} + p_{9,383})\end{aligned}}$$

$$p_{10,782} = \frac{1}{2}p_{9,270} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,270}^2 - 4(p_{9,32} + p_{9,480} + 2p_{9,208} + p_{9,136} + 2p_{9,404}\\&+ p_{9,60} + p_{9,188} + 2p_{9,444} + p_{9,106} + p_{9,26} + p_{9,378} + p_{9,38}\\&+ p_{9,310} + p_{9,502} + p_{9,350} + p_{9,222} + p_{9,318} + 2p_{9,337} + p_{9,361}\\&+ 2p_{9,357} + p_{9,35} + 2p_{9,355} + p_{9,147} + p_{9,375} + p_{9,495} + p_{9,383})\end{aligned}}$$

$$p_{10,142} = \frac{1}{2}p_{9,142} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,142}^2 - 4(p_{9,416} + p_{9,352} + 2p_{9,80} + p_{9,8} + 2p_{9,276} + p_{9,60}\\&+ 2p_{9,316} + p_{9,444} + p_{9,490} + p_{9,410} + p_{9,250} + p_{9,422} + p_{9,182}\\&+ p_{9,374} + p_{9,94} + p_{9,222} + p_{9,190} + 2p_{9,209} + p_{9,233} + 2p_{9,229}\\&+ p_{9,419} + 2p_{9,227} + p_{9,19} + p_{9,247} + p_{9,367} + p_{9,255})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,398} = \frac{1}{2}p_{9,398} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,398}^2 - 4(p_{9,160} + p_{9,96} + 2p_{9,336} + p_{9,264} + 2p_{9,20}\\&+ 2p_{9,60} + p_{9,316} + p_{9,188} + p_{9,234} + p_{9,154} + p_{9,506} + p_{9,166}\\&+ p_{9,438} + p_{9,118} + p_{9,350} + p_{9,478} + p_{9,446} + 2p_{9,465} + p_{9,489}\\&+ 2p_{9,485} + p_{9,163} + 2p_{9,483} + p_{9,275} + p_{9,503} + p_{9,111} + p_{9,511})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,78} = \frac{1}{2}p_{9,78} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,78}^2 - 4(p_{9,288} + p_{9,352} + 2p_{9,16} + p_{9,456} + 2p_{9,212}\\&+ p_{9,380} + 2p_{9,252} + p_{9,508} + p_{9,426} + p_{9,346} + p_{9,186} + p_{9,358}\\&+ p_{9,310} + p_{9,118} + p_{9,30} + p_{9,158} + p_{9,126} + 2p_{9,145} + p_{9,169}\\&+ 2p_{9,165} + 2p_{9,163} + p_{9,355} + p_{9,467} + p_{9,183} + p_{9,303} + p_{9,191})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,334} = \frac{1}{2}p_{9,334} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,334}^2 - 4(p_{9,32} + p_{9,96} + 2p_{9,272} + p_{9,200} + 2p_{9,468}\\&+ p_{9,124} + p_{9,252} + 2p_{9,508} + p_{9,170} + p_{9,90} + p_{9,442} + p_{9,102}\\&+ p_{9,54} + p_{9,374} + p_{9,286} + p_{9,414} + p_{9,382} + 2p_{9,401} + p_{9,425}\\&+ 2p_{9,421} + 2p_{9,419} + p_{9,99} + p_{9,211} + p_{9,439} + p_{9,47} + p_{9,447})\end{aligned}}$$

$$p_{10,846} = \frac{1}{2}p_{9,334} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,334}^2 - 4(p_{9,32} + p_{9,96} + 2p_{9,272} + p_{9,200} + 2p_{9,468}\\&+ p_{9,124} + p_{9,252} + 2p_{9,508} + p_{9,170} + p_{9,90} + p_{9,442} + p_{9,102}\\&+ p_{9,54} + p_{9,374} + p_{9,286} + p_{9,414} + p_{9,382} + 2p_{9,401} + p_{9,425}\\&+ 2p_{9,421} + 2p_{9,419} + p_{9,99} + p_{9,211} + p_{9,439} + p_{9,47} + p_{9,447})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,718} = \frac{1}{2}p_{9,206} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,206}^2 - 4(p_{9,416} + p_{9,480} + 2p_{9,144} + p_{9,72} + 2p_{9,340}\\&+ p_{9,124} + 2p_{9,380} + p_{9,508} + p_{9,42} + p_{9,474} + p_{9,314} + p_{9,486}\\&+ p_{9,438} + p_{9,246} + p_{9,286} + p_{9,158} + p_{9,254} + 2p_{9,273} + p_{9,297}\\&+ 2p_{9,293} + 2p_{9,291} + p_{9,483} + p_{9,83} + p_{9,311} + p_{9,431} + p_{9,319})\end{aligned}}$$

$$p_{10,462} = \frac{1}{2}p_{9,462} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,462}^2 - 4(p_{9,160} + p_{9,224} + 2p_{9,400} + p_{9,328} + 2p_{9,84}\\&+ 2p_{9,124} + p_{9,380} + p_{9,252} + p_{9,298} + p_{9,218} + p_{9,58} + p_{9,230}\\&+ p_{9,182} + p_{9,502} + p_{9,30} + p_{9,414} + p_{9,510} + 2p_{9,17} + p_{9,41}\\&+ 2p_{9,37} + 2p_{9,35} + p_{9,227} + p_{9,339} + p_{9,55} + p_{9,175} + p_{9,63})\end{aligned}}$$

$$p_{10,974} = \frac{1}{2}p_{9,462} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,462}^2 - 4(p_{9,160} + p_{9,224} + 2p_{9,400} + p_{9,328} + 2p_{9,84}\\&+ 2p_{9,124} + p_{9,380} + p_{9,252} + p_{9,298} + p_{9,218} + p_{9,58} + p_{9,230}\\&+ p_{9,182} + p_{9,502} + p_{9,30} + p_{9,414} + p_{9,510} + 2p_{9,17} + p_{9,41}\\&+ 2p_{9,37} + 2p_{9,35} + p_{9,227} + p_{9,339} + p_{9,55} + p_{9,175} + p_{9,63})\end{aligned}}$$

2 unreferenced roots were skipped

$$p_{10,302} = \frac{1}{2}p_{9,302} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,302}^2 - 4(p_{9,0} + p_{9,64} + 2p_{9,240} + p_{9,168} + 2p_{9,436}\\&+ p_{9,92} + p_{9,220} + 2p_{9,476} + p_{9,138} + p_{9,410} + p_{9,58} + p_{9,70}\\&+ p_{9,22} + p_{9,342} + p_{9,350} + p_{9,382} + p_{9,254} + 2p_{9,369} + p_{9,393}\\&+ 2p_{9,389} + 2p_{9,387} + p_{9,67} + p_{9,179} + p_{9,407} + p_{9,15} + p_{9,415})\end{aligned}}$$

$$p_{10,814} = \frac{1}{2}p_{9,302} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,302}^2 - 4(p_{9,0} + p_{9,64} + 2p_{9,240} + p_{9,168} + 2p_{9,436}\\&+ p_{9,92} + p_{9,220} + 2p_{9,476} + p_{9,138} + p_{9,410} + p_{9,58} + p_{9,70}\\&+ p_{9,22} + p_{9,342} + p_{9,350} + p_{9,382} + p_{9,254} + 2p_{9,369} + p_{9,393}\\&+ 2p_{9,389} + 2p_{9,387} + p_{9,67} + p_{9,179} + p_{9,407} + p_{9,15} + p_{9,415})\end{aligned}}$$

$$p_{10,174} = \frac{1}{2}p_{9,174} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,174}^2 - 4(p_{9,384} + p_{9,448} + 2p_{9,112} + p_{9,40} + 2p_{9,308}\\&+ p_{9,92} + 2p_{9,348} + p_{9,476} + p_{9,10} + p_{9,282} + p_{9,442} + p_{9,454}\\&+ p_{9,406} + p_{9,214} + p_{9,222} + p_{9,126} + p_{9,254} + 2p_{9,241} + p_{9,265}\\&+ 2p_{9,261} + 2p_{9,259} + p_{9,451} + p_{9,51} + p_{9,279} + p_{9,399} + p_{9,287})\end{aligned}}$$

$$p_{10,686} = \frac{1}{2}p_{9,174} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,174}^2 - 4(p_{9,384} + p_{9,448} + 2p_{9,112} + p_{9,40} + 2p_{9,308}\\&+ p_{9,92} + 2p_{9,348} + p_{9,476} + p_{9,10} + p_{9,282} + p_{9,442} + p_{9,454}\\&+ p_{9,406} + p_{9,214} + p_{9,222} + p_{9,126} + p_{9,254} + 2p_{9,241} + p_{9,265}\\&+ 2p_{9,261} + 2p_{9,259} + p_{9,451} + p_{9,51} + p_{9,279} + p_{9,399} + p_{9,287})\end{aligned}}$$

$$p_{10,430} = \frac{1}{2}p_{9,430} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,430}^2 - 4(p_{9,128} + p_{9,192} + 2p_{9,368} + p_{9,296} + 2p_{9,52}\\&+ 2p_{9,92} + p_{9,348} + p_{9,220} + p_{9,266} + p_{9,26} + p_{9,186} + p_{9,198}\\&+ p_{9,150} + p_{9,470} + p_{9,478} + p_{9,382} + p_{9,510} + 2p_{9,497} + p_{9,9}\\&+ 2p_{9,5} + 2p_{9,3} + p_{9,195} + p_{9,307} + p_{9,23} + p_{9,143} + p_{9,31})\end{aligned}}$$

$$p_{10,942} = \frac{1}{2}p_{9,430} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,430}^2 - 4(p_{9,128} + p_{9,192} + 2p_{9,368} + p_{9,296} + 2p_{9,52}\\&+ 2p_{9,92} + p_{9,348} + p_{9,220} + p_{9,266} + p_{9,26} + p_{9,186} + p_{9,198}\\&+ p_{9,150} + p_{9,470} + p_{9,478} + p_{9,382} + p_{9,510} + 2p_{9,497} + p_{9,9}\\&+ 2p_{9,5} + 2p_{9,3} + p_{9,195} + p_{9,307} + p_{9,23} + p_{9,143} + p_{9,31})\end{aligned}}$$

$$p_{10,110} = \frac{1}{2}p_{9,110} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,110}^2 - 4(p_{9,384} + p_{9,320} + 2p_{9,48} + p_{9,488} + 2p_{9,244}\\&+ p_{9,28} + 2p_{9,284} + p_{9,412} + p_{9,458} + p_{9,218} + p_{9,378} + p_{9,390}\\&+ p_{9,150} + p_{9,342} + p_{9,158} + p_{9,62} + p_{9,190} + 2p_{9,177} + p_{9,201}\\&+ 2p_{9,197} + p_{9,387} + 2p_{9,195} + p_{9,499} + p_{9,215} + p_{9,335} + p_{9,223})\end{aligned}}$$

$$p_{10,622} = \frac{1}{2}p_{9,110} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,110}^2 - 4(p_{9,384} + p_{9,320} + 2p_{9,48} + p_{9,488} + 2p_{9,244}\\&+ p_{9,28} + 2p_{9,284} + p_{9,412} + p_{9,458} + p_{9,218} + p_{9,378} + p_{9,390}\\&+ p_{9,150} + p_{9,342} + p_{9,158} + p_{9,62} + p_{9,190} + 2p_{9,177} + p_{9,201}\\&+ 2p_{9,197} + p_{9,387} + 2p_{9,195} + p_{9,499} + p_{9,215} + p_{9,335} + p_{9,223})\end{aligned}}$$

$$p_{10,366} = \frac{1}{2}p_{9,366} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,366}^2 - 4(p_{9,128} + p_{9,64} + 2p_{9,304} + p_{9,232} + 2p_{9,500}\\&+ 2p_{9,28} + p_{9,284} + p_{9,156} + p_{9,202} + p_{9,474} + p_{9,122} + p_{9,134}\\&+ p_{9,406} + p_{9,86} + p_{9,414} + p_{9,318} + p_{9,446} + 2p_{9,433} + p_{9,457}\\&+ 2p_{9,453} + p_{9,131} + 2p_{9,451} + p_{9,243} + p_{9,471} + p_{9,79} + p_{9,479})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,238} = \frac{1}{2}p_{9,238} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,238}^2 - 4(p_{9,0} + p_{9,448} + 2p_{9,176} + p_{9,104} + 2p_{9,372}\\&+ p_{9,28} + p_{9,156} + 2p_{9,412} + p_{9,74} + p_{9,346} + p_{9,506} + p_{9,6}\\&+ p_{9,278} + p_{9,470} + p_{9,286} + p_{9,318} + p_{9,190} + 2p_{9,305} + p_{9,329}\\&+ 2p_{9,325} + p_{9,3} + 2p_{9,323} + p_{9,115} + p_{9,343} + p_{9,463} + p_{9,351})\end{aligned}}$$

$$p_{10,750} = \frac{1}{2}p_{9,238} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,238}^2 - 4(p_{9,0} + p_{9,448} + 2p_{9,176} + p_{9,104} + 2p_{9,372}\\&+ p_{9,28} + p_{9,156} + 2p_{9,412} + p_{9,74} + p_{9,346} + p_{9,506} + p_{9,6}\\&+ p_{9,278} + p_{9,470} + p_{9,286} + p_{9,318} + p_{9,190} + 2p_{9,305} + p_{9,329}\\&+ 2p_{9,325} + p_{9,3} + 2p_{9,323} + p_{9,115} + p_{9,343} + p_{9,463} + p_{9,351})\end{aligned}}$$

$$p_{10,494} = \frac{1}{2}p_{9,494} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,494}^2 - 4(p_{9,256} + p_{9,192} + 2p_{9,432} + p_{9,360} + 2p_{9,116}\\&+ p_{9,284} + 2p_{9,156} + p_{9,412} + p_{9,330} + p_{9,90} + p_{9,250} + p_{9,262}\\&+ p_{9,22} + p_{9,214} + p_{9,30} + p_{9,62} + p_{9,446} + 2p_{9,49} + p_{9,73}\\&+ 2p_{9,69} + p_{9,259} + 2p_{9,67} + p_{9,371} + p_{9,87} + p_{9,207} + p_{9,95})\end{aligned}}$$

$$p_{10,1006} = \frac{1}{2}p_{9,494} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,494}^2 - 4(p_{9,256} + p_{9,192} + 2p_{9,432} + p_{9,360} + 2p_{9,116}\\&+ p_{9,284} + 2p_{9,156} + p_{9,412} + p_{9,330} + p_{9,90} + p_{9,250} + p_{9,262}\\&+ p_{9,22} + p_{9,214} + p_{9,30} + p_{9,62} + p_{9,446} + 2p_{9,49} + p_{9,73}\\&+ 2p_{9,69} + p_{9,259} + 2p_{9,67} + p_{9,371} + p_{9,87} + p_{9,207} + p_{9,95})\end{aligned}}$$

$$p_{10,30} = \frac{1}{2}p_{9,30} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,30}^2 - 4(2p_{9,480} + p_{9,304} + p_{9,240} + p_{9,408} + 2p_{9,164}\\&+ p_{9,332} + 2p_{9,204} + p_{9,460} + p_{9,138} + p_{9,298} + p_{9,378} + p_{9,262}\\&+ p_{9,70} + p_{9,310} + p_{9,78} + p_{9,110} + p_{9,494} + 2p_{9,97} + p_{9,121}\\&+ 2p_{9,117} + p_{9,419} + p_{9,307} + 2p_{9,115} + p_{9,135} + p_{9,143} + p_{9,255})\end{aligned}}$$

$$p_{10,542} = \frac{1}{2}p_{9,30} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,30}^2 - 4(2p_{9,480} + p_{9,304} + p_{9,240} + p_{9,408} + 2p_{9,164}\\&+ p_{9,332} + 2p_{9,204} + p_{9,460} + p_{9,138} + p_{9,298} + p_{9,378} + p_{9,262}\\&+ p_{9,70} + p_{9,310} + p_{9,78} + p_{9,110} + p_{9,494} + 2p_{9,97} + p_{9,121}\\&+ 2p_{9,117} + p_{9,419} + p_{9,307} + 2p_{9,115} + p_{9,135} + p_{9,143} + p_{9,255})\end{aligned}}$$

$$p_{10,286} = \frac{1}{2}p_{9,286} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,286}^2 - 4(2p_{9,224} + p_{9,48} + p_{9,496} + p_{9,152} + 2p_{9,420}\\&+ p_{9,76} + p_{9,204} + 2p_{9,460} + p_{9,394} + p_{9,42} + p_{9,122} + p_{9,6}\\&+ p_{9,326} + p_{9,54} + p_{9,334} + p_{9,366} + p_{9,238} + 2p_{9,353} + p_{9,377}\\&+ 2p_{9,373} + p_{9,163} + p_{9,51} + 2p_{9,371} + p_{9,391} + p_{9,399} + p_{9,511})\end{aligned}}$$

$$p_{10,798} = \frac{1}{2}p_{9,286} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,286}^2 - 4(2p_{9,224} + p_{9,48} + p_{9,496} + p_{9,152} + 2p_{9,420}\\&+ p_{9,76} + p_{9,204} + 2p_{9,460} + p_{9,394} + p_{9,42} + p_{9,122} + p_{9,6}\\&+ p_{9,326} + p_{9,54} + p_{9,334} + p_{9,366} + p_{9,238} + 2p_{9,353} + p_{9,377}\\&+ 2p_{9,373} + p_{9,163} + p_{9,51} + 2p_{9,371} + p_{9,391} + p_{9,399} + p_{9,511})\end{aligned}}$$

2 unreferenced roots were skipped

$$p_{10,414} = \frac{1}{2}p_{9,414} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,414}^2 - 4(2p_{9,352} + p_{9,176} + p_{9,112} + p_{9,280} + 2p_{9,36}\\&+ 2p_{9,76} + p_{9,332} + p_{9,204} + p_{9,10} + p_{9,170} + p_{9,250} + p_{9,134}\\&+ p_{9,454} + p_{9,182} + p_{9,462} + p_{9,366} + p_{9,494} + 2p_{9,481} + p_{9,505}\\&+ 2p_{9,501} + p_{9,291} + p_{9,179} + 2p_{9,499} + p_{9,7} + p_{9,15} + p_{9,127})\end{aligned}}$$

$$p_{10,926} = \frac{1}{2}p_{9,414} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,414}^2 - 4(2p_{9,352} + p_{9,176} + p_{9,112} + p_{9,280} + 2p_{9,36}\\&+ 2p_{9,76} + p_{9,332} + p_{9,204} + p_{9,10} + p_{9,170} + p_{9,250} + p_{9,134}\\&+ p_{9,454} + p_{9,182} + p_{9,462} + p_{9,366} + p_{9,494} + 2p_{9,481} + p_{9,505}\\&+ 2p_{9,501} + p_{9,291} + p_{9,179} + 2p_{9,499} + p_{9,7} + p_{9,15} + p_{9,127})\end{aligned}}$$

$$p_{10,94} = \frac{1}{2}p_{9,94} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,94}^2 - 4(2p_{9,32} + p_{9,304} + p_{9,368} + p_{9,472} + 2p_{9,228}\\&+ p_{9,12} + 2p_{9,268} + p_{9,396} + p_{9,202} + p_{9,362} + p_{9,442} + p_{9,134}\\&+ p_{9,326} + p_{9,374} + p_{9,142} + p_{9,46} + p_{9,174} + 2p_{9,161} + p_{9,185}\\&+ 2p_{9,181} + p_{9,483} + 2p_{9,179} + p_{9,371} + p_{9,199} + p_{9,207} + p_{9,319})\end{aligned}}$$

$$p_{10,606} = \frac{1}{2}p_{9,94} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,94}^2 - 4(2p_{9,32} + p_{9,304} + p_{9,368} + p_{9,472} + 2p_{9,228}\\&+ p_{9,12} + 2p_{9,268} + p_{9,396} + p_{9,202} + p_{9,362} + p_{9,442} + p_{9,134}\\&+ p_{9,326} + p_{9,374} + p_{9,142} + p_{9,46} + p_{9,174} + 2p_{9,161} + p_{9,185}\\&+ 2p_{9,181} + p_{9,483} + 2p_{9,179} + p_{9,371} + p_{9,199} + p_{9,207} + p_{9,319})\end{aligned}}$$

$$p_{10,350} = \frac{1}{2}p_{9,350} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,350}^2 - 4(2p_{9,288} + p_{9,48} + p_{9,112} + p_{9,216} + 2p_{9,484}\\&+ 2p_{9,12} + p_{9,268} + p_{9,140} + p_{9,458} + p_{9,106} + p_{9,186} + p_{9,390}\\&+ p_{9,70} + p_{9,118} + p_{9,398} + p_{9,302} + p_{9,430} + 2p_{9,417} + p_{9,441}\\&+ 2p_{9,437} + p_{9,227} + 2p_{9,435} + p_{9,115} + p_{9,455} + p_{9,463} + p_{9,63})\end{aligned}}$$

$$p_{10,862} = \frac{1}{2}p_{9,350} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,350}^2 - 4(2p_{9,288} + p_{9,48} + p_{9,112} + p_{9,216} + 2p_{9,484}\\&+ 2p_{9,12} + p_{9,268} + p_{9,140} + p_{9,458} + p_{9,106} + p_{9,186} + p_{9,390}\\&+ p_{9,70} + p_{9,118} + p_{9,398} + p_{9,302} + p_{9,430} + 2p_{9,417} + p_{9,441}\\&+ 2p_{9,437} + p_{9,227} + 2p_{9,435} + p_{9,115} + p_{9,455} + p_{9,463} + p_{9,63})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,734} = \frac{1}{2}p_{9,222} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,222}^2 - 4(2p_{9,160} + p_{9,432} + p_{9,496} + p_{9,88} + 2p_{9,356}\\&+ p_{9,12} + p_{9,140} + 2p_{9,396} + p_{9,330} + p_{9,490} + p_{9,58} + p_{9,262}\\&+ p_{9,454} + p_{9,502} + p_{9,270} + p_{9,302} + p_{9,174} + 2p_{9,289} + p_{9,313}\\&+ 2p_{9,309} + p_{9,99} + 2p_{9,307} + p_{9,499} + p_{9,327} + p_{9,335} + p_{9,447})\end{aligned}}$$

$$p_{10,478} = \frac{1}{2}p_{9,478} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,478}^2 - 4(2p_{9,416} + p_{9,176} + p_{9,240} + p_{9,344} + 2p_{9,100}\\&+ p_{9,268} + 2p_{9,140} + p_{9,396} + p_{9,74} + p_{9,234} + p_{9,314} + p_{9,6}\\&+ p_{9,198} + p_{9,246} + p_{9,14} + p_{9,46} + p_{9,430} + 2p_{9,33} + p_{9,57}\\&+ 2p_{9,53} + p_{9,355} + 2p_{9,51} + p_{9,243} + p_{9,71} + p_{9,79} + p_{9,191})\end{aligned}}$$

$$p_{10,990} = \frac{1}{2}p_{9,478} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,478}^2 - 4(2p_{9,416} + p_{9,176} + p_{9,240} + p_{9,344} + 2p_{9,100}\\&+ p_{9,268} + 2p_{9,140} + p_{9,396} + p_{9,74} + p_{9,234} + p_{9,314} + p_{9,6}\\&+ p_{9,198} + p_{9,246} + p_{9,14} + p_{9,46} + p_{9,430} + 2p_{9,33} + p_{9,57}\\&+ 2p_{9,53} + p_{9,355} + 2p_{9,51} + p_{9,243} + p_{9,71} + p_{9,79} + p_{9,191})\end{aligned}}$$

$$p_{10,62} = \frac{1}{2}p_{9,62} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,62}^2 - 4(2p_{9,0} + p_{9,272} + p_{9,336} + p_{9,440} + 2p_{9,196}\\&+ p_{9,364} + 2p_{9,236} + p_{9,492} + p_{9,330} + p_{9,170} + p_{9,410} + p_{9,294}\\&+ p_{9,102} + p_{9,342} + p_{9,14} + p_{9,142} + p_{9,110} + 2p_{9,129} + p_{9,153}\\&+ 2p_{9,149} + p_{9,451} + 2p_{9,147} + p_{9,339} + p_{9,167} + p_{9,175} + p_{9,287})\end{aligned}}$$

$$p_{10,574} = \frac{1}{2}p_{9,62} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,62}^2 - 4(2p_{9,0} + p_{9,272} + p_{9,336} + p_{9,440} + 2p_{9,196}\\&+ p_{9,364} + 2p_{9,236} + p_{9,492} + p_{9,330} + p_{9,170} + p_{9,410} + p_{9,294}\\&+ p_{9,102} + p_{9,342} + p_{9,14} + p_{9,142} + p_{9,110} + 2p_{9,129} + p_{9,153}\\&+ 2p_{9,149} + p_{9,451} + 2p_{9,147} + p_{9,339} + p_{9,167} + p_{9,175} + p_{9,287})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,830} = \frac{1}{2}p_{9,318} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,318}^2 - 4(2p_{9,256} + p_{9,16} + p_{9,80} + p_{9,184} + 2p_{9,452}\\&+ p_{9,108} + p_{9,236} + 2p_{9,492} + p_{9,74} + p_{9,426} + p_{9,154} + p_{9,38}\\&+ p_{9,358} + p_{9,86} + p_{9,270} + p_{9,398} + p_{9,366} + 2p_{9,385} + p_{9,409}\\&+ 2p_{9,405} + p_{9,195} + 2p_{9,403} + p_{9,83} + p_{9,423} + p_{9,431} + p_{9,31})\end{aligned}}$$

$$p_{10,190} = \frac{1}{2}p_{9,190} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,190}^2 - 4(2p_{9,128} + p_{9,400} + p_{9,464} + p_{9,56} + 2p_{9,324}\\&+ p_{9,108} + 2p_{9,364} + p_{9,492} + p_{9,458} + p_{9,298} + p_{9,26} + p_{9,422}\\&+ p_{9,230} + p_{9,470} + p_{9,270} + p_{9,142} + p_{9,238} + 2p_{9,257} + p_{9,281}\\&+ 2p_{9,277} + p_{9,67} + 2p_{9,275} + p_{9,467} + p_{9,295} + p_{9,303} + p_{9,415})\end{aligned}}$$

$$p_{10,702} = \frac{1}{2}p_{9,190} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,190}^2 - 4(2p_{9,128} + p_{9,400} + p_{9,464} + p_{9,56} + 2p_{9,324}\\&+ p_{9,108} + 2p_{9,364} + p_{9,492} + p_{9,458} + p_{9,298} + p_{9,26} + p_{9,422}\\&+ p_{9,230} + p_{9,470} + p_{9,270} + p_{9,142} + p_{9,238} + 2p_{9,257} + p_{9,281}\\&+ 2p_{9,277} + p_{9,67} + 2p_{9,275} + p_{9,467} + p_{9,295} + p_{9,303} + p_{9,415})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,958} = \frac{1}{2}p_{9,446} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,446}^2 - 4(2p_{9,384} + p_{9,144} + p_{9,208} + p_{9,312} + 2p_{9,68}\\&+ 2p_{9,108} + p_{9,364} + p_{9,236} + p_{9,202} + p_{9,42} + p_{9,282} + p_{9,166}\\&+ p_{9,486} + p_{9,214} + p_{9,14} + p_{9,398} + p_{9,494} + 2p_{9,1} + p_{9,25}\\&+ 2p_{9,21} + p_{9,323} + 2p_{9,19} + p_{9,211} + p_{9,39} + p_{9,47} + p_{9,159})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,638} = \frac{1}{2}p_{9,126} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,126}^2 - 4(2p_{9,64} + p_{9,400} + p_{9,336} + p_{9,504} + 2p_{9,260}\\&+ p_{9,44} + 2p_{9,300} + p_{9,428} + p_{9,394} + p_{9,234} + p_{9,474} + p_{9,166}\\&+ p_{9,358} + p_{9,406} + p_{9,78} + p_{9,206} + p_{9,174} + 2p_{9,193} + p_{9,217}\\&+ 2p_{9,213} + p_{9,3} + p_{9,403} + 2p_{9,211} + p_{9,231} + p_{9,239} + p_{9,351})\end{aligned}}$$

$$p_{10,382} = \frac{1}{2}p_{9,382} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,382}^2 - 4(2p_{9,320} + p_{9,144} + p_{9,80} + p_{9,248} + 2p_{9,4}\\&+ 2p_{9,44} + p_{9,300} + p_{9,172} + p_{9,138} + p_{9,490} + p_{9,218} + p_{9,422}\\&+ p_{9,102} + p_{9,150} + p_{9,334} + p_{9,462} + p_{9,430} + 2p_{9,449} + p_{9,473}\\&+ 2p_{9,469} + p_{9,259} + p_{9,147} + 2p_{9,467} + p_{9,487} + p_{9,495} + p_{9,95})\end{aligned}}$$

$$p_{10,894} = \frac{1}{2}p_{9,382} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,382}^2 - 4(2p_{9,320} + p_{9,144} + p_{9,80} + p_{9,248} + 2p_{9,4}\\&+ 2p_{9,44} + p_{9,300} + p_{9,172} + p_{9,138} + p_{9,490} + p_{9,218} + p_{9,422}\\&+ p_{9,102} + p_{9,150} + p_{9,334} + p_{9,462} + p_{9,430} + 2p_{9,449} + p_{9,473}\\&+ 2p_{9,469} + p_{9,259} + p_{9,147} + 2p_{9,467} + p_{9,487} + p_{9,495} + p_{9,95})\end{aligned}}$$

$$p_{10,254} = \frac{1}{2}p_{9,254} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,254}^2 - 4(2p_{9,192} + p_{9,16} + p_{9,464} + p_{9,120} + 2p_{9,388}\\&+ p_{9,44} + p_{9,172} + 2p_{9,428} + p_{9,10} + p_{9,362} + p_{9,90} + p_{9,294}\\&+ p_{9,486} + p_{9,22} + p_{9,334} + p_{9,206} + p_{9,302} + 2p_{9,321} + p_{9,345}\\&+ 2p_{9,341} + p_{9,131} + p_{9,19} + 2p_{9,339} + p_{9,359} + p_{9,367} + p_{9,479})\end{aligned}}$$

$$p_{10,766} = \frac{1}{2}p_{9,254} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,254}^2 - 4(2p_{9,192} + p_{9,16} + p_{9,464} + p_{9,120} + 2p_{9,388}\\&+ p_{9,44} + p_{9,172} + 2p_{9,428} + p_{9,10} + p_{9,362} + p_{9,90} + p_{9,294}\\&+ p_{9,486} + p_{9,22} + p_{9,334} + p_{9,206} + p_{9,302} + 2p_{9,321} + p_{9,345}\\&+ 2p_{9,341} + p_{9,131} + p_{9,19} + 2p_{9,339} + p_{9,359} + p_{9,367} + p_{9,479})\end{aligned}}$$

$$p_{10,510} = \frac{1}{2}p_{9,510} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,510}^2 - 4(2p_{9,448} + p_{9,272} + p_{9,208} + p_{9,376} + 2p_{9,132}\\&+ p_{9,300} + 2p_{9,172} + p_{9,428} + p_{9,266} + p_{9,106} + p_{9,346} + p_{9,38}\\&+ p_{9,230} + p_{9,278} + p_{9,78} + p_{9,462} + p_{9,46} + 2p_{9,65} + p_{9,89}\\&+ 2p_{9,85} + p_{9,387} + p_{9,275} + 2p_{9,83} + p_{9,103} + p_{9,111} + p_{9,223})\end{aligned}}$$

$$p_{10,1022} = \frac{1}{2}p_{9,510} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,510}^2 - 4(2p_{9,448} + p_{9,272} + p_{9,208} + p_{9,376} + 2p_{9,132}\\&+ p_{9,300} + 2p_{9,172} + p_{9,428} + p_{9,266} + p_{9,106} + p_{9,346} + p_{9,38}\\&+ p_{9,230} + p_{9,278} + p_{9,78} + p_{9,462} + p_{9,46} + 2p_{9,65} + p_{9,89}\\&+ 2p_{9,85} + p_{9,387} + p_{9,275} + 2p_{9,83} + p_{9,103} + p_{9,111} + p_{9,223})\end{aligned}}$$

$$p_{10,1} = \frac{1}{2}p_{9,1} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,1}^2 - 4(2p_{9,88} + 2p_{9,68} + p_{9,92} + p_{9,226} + p_{9,114} + p_{9,106}\\&+ p_{9,390} + p_{9,278} + 2p_{9,86} + p_{9,81} + p_{9,465} + p_{9,49} + p_{9,41}\\&+ p_{9,233} + p_{9,281} + p_{9,269} + p_{9,109} + p_{9,349} + 2p_{9,451} + p_{9,275}\\&+ p_{9,211} + p_{9,379} + 2p_{9,135} + p_{9,303} + 2p_{9,175} + p_{9,431})\end{aligned}}$$

$$p_{10,513} = \frac{1}{2}p_{9,1} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,1}^2 - 4(2p_{9,88} + 2p_{9,68} + p_{9,92} + p_{9,226} + p_{9,114} + p_{9,106}\\&+ p_{9,390} + p_{9,278} + 2p_{9,86} + p_{9,81} + p_{9,465} + p_{9,49} + p_{9,41}\\&+ p_{9,233} + p_{9,281} + p_{9,269} + p_{9,109} + p_{9,349} + 2p_{9,451} + p_{9,275}\\&+ p_{9,211} + p_{9,379} + 2p_{9,135} + p_{9,303} + 2p_{9,175} + p_{9,431})\end{aligned}}$$

$$p_{10,257} = \frac{1}{2}p_{9,257} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,257}^2 - 4(2p_{9,344} + 2p_{9,324} + p_{9,348} + p_{9,482} + p_{9,370}\\&+ p_{9,362} + p_{9,134} + p_{9,22} + 2p_{9,342} + p_{9,337} + p_{9,209} + p_{9,305}\\&+ p_{9,297} + p_{9,489} + p_{9,25} + p_{9,13} + p_{9,365} + p_{9,93} + 2p_{9,195}\\&+ p_{9,19} + p_{9,467} + p_{9,123} + 2p_{9,391} + p_{9,47} + p_{9,175} + 2p_{9,431})\end{aligned}}$$

$$p_{10,769} = \frac{1}{2}p_{9,257} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,257}^2 - 4(2p_{9,344} + 2p_{9,324} + p_{9,348} + p_{9,482} + p_{9,370}\\&+ p_{9,362} + p_{9,134} + p_{9,22} + 2p_{9,342} + p_{9,337} + p_{9,209} + p_{9,305}\\&+ p_{9,297} + p_{9,489} + p_{9,25} + p_{9,13} + p_{9,365} + p_{9,93} + 2p_{9,195}\\&+ p_{9,19} + p_{9,467} + p_{9,123} + 2p_{9,391} + p_{9,47} + p_{9,175} + 2p_{9,431})\end{aligned}}$$

$$p_{10,129} = \frac{1}{2}p_{9,129} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,129}^2 - 4(2p_{9,216} + 2p_{9,196} + p_{9,220} + p_{9,354} + p_{9,242}\\&+ p_{9,234} + p_{9,6} + p_{9,406} + 2p_{9,214} + p_{9,81} + p_{9,209} + p_{9,177}\\&+ p_{9,169} + p_{9,361} + p_{9,409} + p_{9,397} + p_{9,237} + p_{9,477} + 2p_{9,67}\\&+ p_{9,403} + p_{9,339} + p_{9,507} + 2p_{9,263} + p_{9,47} + 2p_{9,303} + p_{9,431})\end{aligned}}$$

$$p_{10,641} = \frac{1}{2}p_{9,129} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,129}^2 - 4(2p_{9,216} + 2p_{9,196} + p_{9,220} + p_{9,354} + p_{9,242}\\&+ p_{9,234} + p_{9,6} + p_{9,406} + 2p_{9,214} + p_{9,81} + p_{9,209} + p_{9,177}\\&+ p_{9,169} + p_{9,361} + p_{9,409} + p_{9,397} + p_{9,237} + p_{9,477} + 2p_{9,67}\\&+ p_{9,403} + p_{9,339} + p_{9,507} + 2p_{9,263} + p_{9,47} + 2p_{9,303} + p_{9,431})\end{aligned}}$$

$$p_{10,385} = \frac{1}{2}p_{9,385} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,385}^2 - 4(2p_{9,472} + 2p_{9,452} + p_{9,476} + p_{9,98} + p_{9,498}\\&+ p_{9,490} + p_{9,262} + p_{9,150} + 2p_{9,470} + p_{9,337} + p_{9,465} + p_{9,433}\\&+ p_{9,425} + p_{9,105} + p_{9,153} + p_{9,141} + p_{9,493} + p_{9,221} + 2p_{9,323}\\&+ p_{9,147} + p_{9,83} + p_{9,251} + 2p_{9,7} + 2p_{9,47} + p_{9,303} + p_{9,175})\end{aligned}}$$

$$p_{10,897} = \frac{1}{2}p_{9,385} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,385}^2 - 4(2p_{9,472} + 2p_{9,452} + p_{9,476} + p_{9,98} + p_{9,498}\\&+ p_{9,490} + p_{9,262} + p_{9,150} + 2p_{9,470} + p_{9,337} + p_{9,465} + p_{9,433}\\&+ p_{9,425} + p_{9,105} + p_{9,153} + p_{9,141} + p_{9,493} + p_{9,221} + 2p_{9,323}\\&+ p_{9,147} + p_{9,83} + p_{9,251} + 2p_{9,7} + 2p_{9,47} + p_{9,303} + p_{9,175})\end{aligned}}$$

$$p_{10,65} = \frac{1}{2}p_{9,65} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,65}^2 - 4(2p_{9,152} + 2p_{9,132} + p_{9,156} + p_{9,290} + p_{9,178}\\&+ p_{9,170} + p_{9,454} + 2p_{9,150} + p_{9,342} + p_{9,17} + p_{9,145} + p_{9,113}\\&+ p_{9,297} + p_{9,105} + p_{9,345} + p_{9,333} + p_{9,173} + p_{9,413} + 2p_{9,3}\\&+ p_{9,275} + p_{9,339} + p_{9,443} + 2p_{9,199} + p_{9,367} + 2p_{9,239} + p_{9,495})\end{aligned}}$$

$$p_{10,577} = \frac{1}{2}p_{9,65} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,65}^2 - 4(2p_{9,152} + 2p_{9,132} + p_{9,156} + p_{9,290} + p_{9,178}\\&+ p_{9,170} + p_{9,454} + 2p_{9,150} + p_{9,342} + p_{9,17} + p_{9,145} + p_{9,113}\\&+ p_{9,297} + p_{9,105} + p_{9,345} + p_{9,333} + p_{9,173} + p_{9,413} + 2p_{9,3}\\&+ p_{9,275} + p_{9,339} + p_{9,443} + 2p_{9,199} + p_{9,367} + 2p_{9,239} + p_{9,495})\end{aligned}}$$

$$p_{10,321} = \frac{1}{2}p_{9,321} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,321}^2 - 4(2p_{9,408} + 2p_{9,388} + p_{9,412} + p_{9,34} + p_{9,434}\\&+ p_{9,426} + p_{9,198} + 2p_{9,406} + p_{9,86} + p_{9,273} + p_{9,401} + p_{9,369}\\&+ p_{9,41} + p_{9,361} + p_{9,89} + p_{9,77} + p_{9,429} + p_{9,157} + 2p_{9,259}\\&+ p_{9,19} + p_{9,83} + p_{9,187} + 2p_{9,455} + p_{9,111} + p_{9,239} + 2p_{9,495})\end{aligned}}$$

$$p_{10,833} = \frac{1}{2}p_{9,321} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,321}^2 - 4(2p_{9,408} + 2p_{9,388} + p_{9,412} + p_{9,34} + p_{9,434}\\&+ p_{9,426} + p_{9,198} + 2p_{9,406} + p_{9,86} + p_{9,273} + p_{9,401} + p_{9,369}\\&+ p_{9,41} + p_{9,361} + p_{9,89} + p_{9,77} + p_{9,429} + p_{9,157} + 2p_{9,259}\\&+ p_{9,19} + p_{9,83} + p_{9,187} + 2p_{9,455} + p_{9,111} + p_{9,239} + 2p_{9,495})\end{aligned}}$$

$$p_{10,193} = \frac{1}{2}p_{9,193} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,193}^2 - 4(2p_{9,280} + 2p_{9,260} + p_{9,284} + p_{9,418} + p_{9,306}\\&+ p_{9,298} + p_{9,70} + 2p_{9,278} + p_{9,470} + p_{9,273} + p_{9,145} + p_{9,241}\\&+ p_{9,425} + p_{9,233} + p_{9,473} + p_{9,461} + p_{9,301} + p_{9,29} + 2p_{9,131}\\&+ p_{9,403} + p_{9,467} + p_{9,59} + 2p_{9,327} + p_{9,111} + 2p_{9,367} + p_{9,495})\end{aligned}}$$

$$p_{10,705} = \frac{1}{2}p_{9,193} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,193}^2 - 4(2p_{9,280} + 2p_{9,260} + p_{9,284} + p_{9,418} + p_{9,306}\\&+ p_{9,298} + p_{9,70} + 2p_{9,278} + p_{9,470} + p_{9,273} + p_{9,145} + p_{9,241}\\&+ p_{9,425} + p_{9,233} + p_{9,473} + p_{9,461} + p_{9,301} + p_{9,29} + 2p_{9,131}\\&+ p_{9,403} + p_{9,467} + p_{9,59} + 2p_{9,327} + p_{9,111} + 2p_{9,367} + p_{9,495})\end{aligned}}$$

$$p_{10,449} = \frac{1}{2}p_{9,449} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,449}^2 - 4(2p_{9,24} + 2p_{9,4} + p_{9,28} + p_{9,162} + p_{9,50} + p_{9,42}\\&+ p_{9,326} + 2p_{9,22} + p_{9,214} + p_{9,17} + p_{9,401} + p_{9,497} + p_{9,169}\\&+ p_{9,489} + p_{9,217} + p_{9,205} + p_{9,45} + p_{9,285} + 2p_{9,387} + p_{9,147}\\&+ p_{9,211} + p_{9,315} + 2p_{9,71} + 2p_{9,111} + p_{9,367} + p_{9,239})\end{aligned}}$$

$$p_{10,961} = \frac{1}{2}p_{9,449} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,449}^2 - 4(2p_{9,24} + 2p_{9,4} + p_{9,28} + p_{9,162} + p_{9,50} + p_{9,42}\\&+ p_{9,326} + 2p_{9,22} + p_{9,214} + p_{9,17} + p_{9,401} + p_{9,497} + p_{9,169}\\&+ p_{9,489} + p_{9,217} + p_{9,205} + p_{9,45} + p_{9,285} + 2p_{9,387} + p_{9,147}\\&+ p_{9,211} + p_{9,315} + 2p_{9,71} + 2p_{9,111} + p_{9,367} + p_{9,239})\end{aligned}}$$

2 unreferenced roots were skipped

$$p_{10,289} = \frac{1}{2}p_{9,289} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,289}^2 - 4(2p_{9,376} + 2p_{9,356} + p_{9,380} + p_{9,2} + p_{9,402}\\&+ p_{9,394} + p_{9,166} + p_{9,54} + 2p_{9,374} + p_{9,337} + p_{9,369} + p_{9,241}\\&+ p_{9,9} + p_{9,329} + p_{9,57} + p_{9,397} + p_{9,45} + p_{9,125} + 2p_{9,227}\\&+ p_{9,51} + p_{9,499} + p_{9,155} + 2p_{9,423} + p_{9,79} + p_{9,207} + 2p_{9,463})\end{aligned}}$$

$$p_{10,801} = \frac{1}{2}p_{9,289} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,289}^2 - 4(2p_{9,376} + 2p_{9,356} + p_{9,380} + p_{9,2} + p_{9,402}\\&+ p_{9,394} + p_{9,166} + p_{9,54} + 2p_{9,374} + p_{9,337} + p_{9,369} + p_{9,241}\\&+ p_{9,9} + p_{9,329} + p_{9,57} + p_{9,397} + p_{9,45} + p_{9,125} + 2p_{9,227}\\&+ p_{9,51} + p_{9,499} + p_{9,155} + 2p_{9,423} + p_{9,79} + p_{9,207} + 2p_{9,463})\end{aligned}}$$

$$p_{10,161} = \frac{1}{2}p_{9,161} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,161}^2 - 4(2p_{9,248} + 2p_{9,228} + p_{9,252} + p_{9,386} + p_{9,274}\\&+ p_{9,266} + p_{9,38} + p_{9,438} + 2p_{9,246} + p_{9,209} + p_{9,113} + p_{9,241}\\&+ p_{9,393} + p_{9,201} + p_{9,441} + p_{9,269} + p_{9,429} + p_{9,509} + 2p_{9,99}\\&+ p_{9,435} + p_{9,371} + p_{9,27} + 2p_{9,295} + p_{9,79} + 2p_{9,335} + p_{9,463})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,417} = \frac{1}{2}p_{9,417} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,417}^2 - 4(2p_{9,504} + 2p_{9,484} + p_{9,508} + p_{9,130} + p_{9,18}\\&+ p_{9,10} + p_{9,294} + p_{9,182} + 2p_{9,502} + p_{9,465} + p_{9,369} + p_{9,497}\\&+ p_{9,137} + p_{9,457} + p_{9,185} + p_{9,13} + p_{9,173} + p_{9,253} + 2p_{9,355}\\&+ p_{9,179} + p_{9,115} + p_{9,283} + 2p_{9,39} + 2p_{9,79} + p_{9,335} + p_{9,207})\end{aligned}}$$

$$p_{10,929} = \frac{1}{2}p_{9,417} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,417}^2 - 4(2p_{9,504} + 2p_{9,484} + p_{9,508} + p_{9,130} + p_{9,18}\\&+ p_{9,10} + p_{9,294} + p_{9,182} + 2p_{9,502} + p_{9,465} + p_{9,369} + p_{9,497}\\&+ p_{9,137} + p_{9,457} + p_{9,185} + p_{9,13} + p_{9,173} + p_{9,253} + 2p_{9,355}\\&+ p_{9,179} + p_{9,115} + p_{9,283} + 2p_{9,39} + 2p_{9,79} + p_{9,335} + p_{9,207})\end{aligned}}$$

$$p_{10,97} = \frac{1}{2}p_{9,97} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,97}^2 - 4(2p_{9,184} + 2p_{9,164} + p_{9,188} + p_{9,322} + p_{9,210}\\&+ p_{9,202} + p_{9,486} + 2p_{9,182} + p_{9,374} + p_{9,145} + p_{9,49} + p_{9,177}\\&+ p_{9,137} + p_{9,329} + p_{9,377} + p_{9,205} + p_{9,365} + p_{9,445} + 2p_{9,35}\\&+ p_{9,307} + p_{9,371} + p_{9,475} + 2p_{9,231} + p_{9,15} + 2p_{9,271} + p_{9,399})\end{aligned}}$$

$$p_{10,609} = \frac{1}{2}p_{9,97} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,97}^2 - 4(2p_{9,184} + 2p_{9,164} + p_{9,188} + p_{9,322} + p_{9,210}\\&+ p_{9,202} + p_{9,486} + 2p_{9,182} + p_{9,374} + p_{9,145} + p_{9,49} + p_{9,177}\\&+ p_{9,137} + p_{9,329} + p_{9,377} + p_{9,205} + p_{9,365} + p_{9,445} + 2p_{9,35}\\&+ p_{9,307} + p_{9,371} + p_{9,475} + 2p_{9,231} + p_{9,15} + 2p_{9,271} + p_{9,399})\end{aligned}}$$

$$p_{10,353} = \frac{1}{2}p_{9,353} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,353}^2 - 4(2p_{9,440} + 2p_{9,420} + p_{9,444} + p_{9,66} + p_{9,466}\\&+ p_{9,458} + p_{9,230} + 2p_{9,438} + p_{9,118} + p_{9,401} + p_{9,305} + p_{9,433}\\&+ p_{9,393} + p_{9,73} + p_{9,121} + p_{9,461} + p_{9,109} + p_{9,189} + 2p_{9,291}\\&+ p_{9,51} + p_{9,115} + p_{9,219} + 2p_{9,487} + 2p_{9,15} + p_{9,271} + p_{9,143})\end{aligned}}$$

$$p_{10,865} = \frac{1}{2}p_{9,353} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,353}^2 - 4(2p_{9,440} + 2p_{9,420} + p_{9,444} + p_{9,66} + p_{9,466}\\ &+ p_{9,458} + p_{9,230} + 2p_{9,438} + p_{9,118} + p_{9,401} + p_{9,305} + p_{9,433}\\ &+ p_{9,393} + p_{9,73} + p_{9,121} + p_{9,461} + p_{9,109} + p_{9,189} + 2p_{9,291}\\ &+ p_{9,51} + p_{9,115} + p_{9,219} + 2p_{9,487} + 2p_{9,15} + p_{9,271} + p_{9,143})\end{aligned}}$$

2 unreferenced roots were skipped

$$p_{10,481} = \frac{1}{2}p_{9,481} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,481}^2 - 4(2p_{9,56} + 2p_{9,36} + p_{9,60} + p_{9,194} + p_{9,82}\\ &+ p_{9,74} + p_{9,358} + 2p_{9,54} + p_{9,246} + p_{9,17} + p_{9,49} + p_{9,433}\\ &+ p_{9,9} + p_{9,201} + p_{9,249} + p_{9,77} + p_{9,237} + p_{9,317} + 2p_{9,419}\\ &+ p_{9,179} + p_{9,243} + p_{9,347} + 2p_{9,103} + p_{9,271} + 2p_{9,143} + p_{9,399})\end{aligned}}$$

$$p_{10,993} = \frac{1}{2}p_{9,481} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,481}^2 - 4(2p_{9,56} + 2p_{9,36} + p_{9,60} + p_{9,194} + p_{9,82}\\ &+ p_{9,74} + p_{9,358} + 2p_{9,54} + p_{9,246} + p_{9,17} + p_{9,49} + p_{9,433}\\ &+ p_{9,9} + p_{9,201} + p_{9,249} + p_{9,77} + p_{9,237} + p_{9,317} + 2p_{9,419}\\ &+ p_{9,179} + p_{9,243} + p_{9,347} + 2p_{9,103} + p_{9,271} + 2p_{9,143} + p_{9,399})\end{aligned}}$$

$$p_{10,17} = \frac{1}{2}p_{9,17} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,17}^2 - 4(2p_{9,104} + 2p_{9,84} + p_{9,108} + p_{9,130} + p_{9,242}\\ &+ p_{9,122} + p_{9,294} + 2p_{9,102} + p_{9,406} + p_{9,65} + p_{9,97} + p_{9,481}\\ &+ p_{9,297} + p_{9,57} + p_{9,249} + p_{9,365} + p_{9,285} + p_{9,125} + p_{9,291}\\ &+ p_{9,227} + 2p_{9,467} + p_{9,395} + 2p_{9,151} + p_{9,319} + 2p_{9,191} + p_{9,447})\end{aligned}}$$

$$p_{10,529} = \frac{1}{2}p_{9,17} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,17}^2 - 4(2p_{9,104} + 2p_{9,84} + p_{9,108} + p_{9,130} + p_{9,242}\\ &+ p_{9,122} + p_{9,294} + 2p_{9,102} + p_{9,406} + p_{9,65} + p_{9,97} + p_{9,481}\\ &+ p_{9,297} + p_{9,57} + p_{9,249} + p_{9,365} + p_{9,285} + p_{9,125} + p_{9,291}\\ &+ p_{9,227} + 2p_{9,467} + p_{9,395} + 2p_{9,151} + p_{9,319} + 2p_{9,191} + p_{9,447})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,785} = \frac{1}{2}p_{9,273} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,273}^2 - 4(2p_{9,360} + 2p_{9,340} + p_{9,364} + p_{9,386} + p_{9,498}\\ &+ p_{9,378} + p_{9,38} + 2p_{9,358} + p_{9,150} + p_{9,321} + p_{9,353} + p_{9,225}\\ &+ p_{9,41} + p_{9,313} + p_{9,505} + p_{9,109} + p_{9,29} + p_{9,381} + p_{9,35}\\ &+ p_{9,483} + 2p_{9,211} + p_{9,139} + 2p_{9,407} + p_{9,63} + p_{9,191} + 2p_{9,447})\end{aligned}}$$

$$p_{10,145} = \frac{1}{2}p_{9,145} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,145}^2 - 4(2p_{9,232} + 2p_{9,212} + p_{9,236} + p_{9,258} + p_{9,370}\\ &+ p_{9,250} + p_{9,422} + 2p_{9,230} + p_{9,22} + p_{9,193} + p_{9,97} + p_{9,225}\\ &+ p_{9,425} + p_{9,185} + p_{9,377} + p_{9,493} + p_{9,413} + p_{9,253} + p_{9,419}\\ &+ p_{9,355} + 2p_{9,83} + p_{9,11} + 2p_{9,279} + p_{9,63} + 2p_{9,319} + p_{9,447})\end{aligned}}$$

$$p_{10,657} = \frac{1}{2}p_{9,145} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,145}^2 - 4(2p_{9,232} + 2p_{9,212} + p_{9,236} + p_{9,258} + p_{9,370}\\ &+ p_{9,250} + p_{9,422} + 2p_{9,230} + p_{9,22} + p_{9,193} + p_{9,97} + p_{9,225}\\ &+ p_{9,425} + p_{9,185} + p_{9,377} + p_{9,493} + p_{9,413} + p_{9,253} + p_{9,419}\\ &+ p_{9,355} + 2p_{9,83} + p_{9,11} + 2p_{9,279} + p_{9,63} + 2p_{9,319} + p_{9,447})\end{aligned}}$$

$$p_{10,401} = \frac{1}{2}p_{9,401} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,401}^2 - 4(2p_{9,488} + 2p_{9,468} + p_{9,492} + p_{9,2} + p_{9,114}\\&+ p_{9,506} + p_{9,166} + 2p_{9,486} + p_{9,278} + p_{9,449} + p_{9,353} + p_{9,481}\\&+ p_{9,169} + p_{9,441} + p_{9,121} + p_{9,237} + p_{9,157} + p_{9,509} + p_{9,163}\\&+ p_{9,99} + 2p_{9,339} + p_{9,267} + 2p_{9,23} + 2p_{9,63} + p_{9,319} + p_{9,191})\end{aligned}}$$

$$p_{10,913} = \frac{1}{2}p_{9,401} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,401}^2 - 4(2p_{9,488} + 2p_{9,468} + p_{9,492} + p_{9,2} + p_{9,114}\\&+ p_{9,506} + p_{9,166} + 2p_{9,486} + p_{9,278} + p_{9,449} + p_{9,353} + p_{9,481}\\&+ p_{9,169} + p_{9,441} + p_{9,121} + p_{9,237} + p_{9,157} + p_{9,509} + p_{9,163}\\&+ p_{9,99} + 2p_{9,339} + p_{9,267} + 2p_{9,23} + 2p_{9,63} + p_{9,319} + p_{9,191})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,593} = \frac{1}{2}p_{9,81} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,81}^2 - 4(2p_{9,168} + 2p_{9,148} + p_{9,172} + p_{9,194} + p_{9,306}\\&+ p_{9,186} + 2p_{9,166} + p_{9,358} + p_{9,470} + p_{9,129} + p_{9,33} + p_{9,161}\\&+ p_{9,361} + p_{9,313} + p_{9,121} + p_{9,429} + p_{9,349} + p_{9,189} + p_{9,291}\\&+ p_{9,355} + 2p_{9,19} + p_{9,459} + 2p_{9,215} + p_{9,383} + 2p_{9,255} + p_{9,511})\end{aligned}}$$

$$p_{10,337} = \frac{1}{2}p_{9,337} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,337}^2 - 4(2p_{9,424} + 2p_{9,404} + p_{9,428} + p_{9,450} + p_{9,50}\\&+ p_{9,442} + 2p_{9,422} + p_{9,102} + p_{9,214} + p_{9,385} + p_{9,289} + p_{9,417}\\&+ p_{9,105} + p_{9,57} + p_{9,377} + p_{9,173} + p_{9,93} + p_{9,445} + p_{9,35} + p_{9,99}\\&+ 2p_{9,275} + p_{9,203} + 2p_{9,471} + p_{9,127} + p_{9,255} + 2p_{9,511})\end{aligned}}$$

2 unreferenced roots were skipped

$$p_{10,721} = \frac{1}{2}p_{9,209} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,209}^2 - 4(2p_{9,296} + 2p_{9,276} + p_{9,300} + p_{9,322} + p_{9,434}\\&+ p_{9,314} + 2p_{9,294} + p_{9,486} + p_{9,86} + p_{9,257} + p_{9,289} + p_{9,161}\\&+ p_{9,489} + p_{9,441} + p_{9,249} + p_{9,45} + p_{9,477} + p_{9,317} + p_{9,419}\\&+ p_{9,483} + 2p_{9,147} + p_{9,75} + 2p_{9,343} + p_{9,127} + 2p_{9,383} + p_{9,511})\end{aligned}}$$

4 unreferenced roots were skipped

$$p_{10,305} = \frac{1}{2}p_{9,305} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,305}^2 - 4(2p_{9,392} + 2p_{9,372} + p_{9,396} + p_{9,418} + p_{9,18}\\&+ p_{9,410} + 2p_{9,390} + p_{9,70} + p_{9,182} + p_{9,257} + p_{9,385} + p_{9,353}\\&+ p_{9,73} + p_{9,25} + p_{9,345} + p_{9,141} + p_{9,413} + p_{9,61} + p_{9,3} + p_{9,67}\\&+ 2p_{9,243} + p_{9,171} + 2p_{9,439} + p_{9,95} + p_{9,223} + 2p_{9,479})\end{aligned}}$$

$$p_{10,817} = \frac{1}{2}p_{9,305} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,305}^2 - 4(2p_{9,392} + 2p_{9,372} + p_{9,396} + p_{9,418} + p_{9,18}\\&+ p_{9,410} + 2p_{9,390} + p_{9,70} + p_{9,182} + p_{9,257} + p_{9,385} + p_{9,353}\\&+ p_{9,73} + p_{9,25} + p_{9,345} + p_{9,141} + p_{9,413} + p_{9,61} + p_{9,3} + p_{9,67}\\&+ 2p_{9,243} + p_{9,171} + 2p_{9,439} + p_{9,95} + p_{9,223} + 2p_{9,479})\end{aligned}}$$

$$p_{10,177} = \frac{1}{2}p_{9,177} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,177}^2 - 4(2p_{9,264} + 2p_{9,244} + p_{9,268} + p_{9,290} + p_{9,402}\\&+ p_{9,282} + 2p_{9,262} + p_{9,454} + p_{9,54} + p_{9,257} + p_{9,129} + p_{9,225}\\&+ p_{9,457} + p_{9,409} + p_{9,217} + p_{9,13} + p_{9,285} + p_{9,445} + p_{9,387}\\&+ p_{9,451} + 2p_{9,115} + p_{9,43} + 2p_{9,311} + p_{9,95} + 2p_{9,351} + p_{9,479})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,433} = \frac{1}{2}p_{9,433} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,433}^2 - 4(2p_{9,8} + 2p_{9,500} + p_{9,12} + p_{9,34} + p_{9,146}\\&+ p_{9,26} + 2p_{9,6} + p_{9,198} + p_{9,310} + p_{9,1} + p_{9,385} + p_{9,481}\\&+ p_{9,201} + p_{9,153} + p_{9,473} + p_{9,269} + p_{9,29} + p_{9,189} + p_{9,131}\\&+ p_{9,195} + 2p_{9,371} + p_{9,299} + 2p_{9,55} + 2p_{9,95} + p_{9,351} + p_{9,223})\end{aligned}}$$

$$p_{10,945} = \frac{1}{2}p_{9,433} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,433}^2 - 4(2p_{9,8} + 2p_{9,500} + p_{9,12} + p_{9,34} + p_{9,146}\\&+ p_{9,26} + 2p_{9,6} + p_{9,198} + p_{9,310} + p_{9,1} + p_{9,385} + p_{9,481}\\&+ p_{9,201} + p_{9,153} + p_{9,473} + p_{9,269} + p_{9,29} + p_{9,189} + p_{9,131}\\&+ p_{9,195} + 2p_{9,371} + p_{9,299} + 2p_{9,55} + 2p_{9,95} + p_{9,351} + p_{9,223})\end{aligned}}$$

$$p_{10,113} = \frac{1}{2}p_{9,113} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,113}^2 - 4(2p_{9,200} + 2p_{9,180} + p_{9,204} + p_{9,226} + p_{9,338}\\&+ p_{9,218} + p_{9,390} + 2p_{9,198} + p_{9,502} + p_{9,65} + p_{9,193} + p_{9,161}\\&+ p_{9,393} + p_{9,153} + p_{9,345} + p_{9,461} + p_{9,221} + p_{9,381} + p_{9,387}\\&+ p_{9,323} + 2p_{9,51} + p_{9,491} + 2p_{9,247} + p_{9,31} + 2p_{9,287} + p_{9,415})\end{aligned}}$$

$$p_{10,625} = \frac{1}{2}p_{9,113} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,113}^2 - 4(2p_{9,200} + 2p_{9,180} + p_{9,204} + p_{9,226} + p_{9,338}\\&+ p_{9,218} + p_{9,390} + 2p_{9,198} + p_{9,502} + p_{9,65} + p_{9,193} + p_{9,161}\\&+ p_{9,393} + p_{9,153} + p_{9,345} + p_{9,461} + p_{9,221} + p_{9,381} + p_{9,387}\\&+ p_{9,323} + 2p_{9,51} + p_{9,491} + 2p_{9,247} + p_{9,31} + 2p_{9,287} + p_{9,415})\end{aligned}}$$

$$p_{10,369} = \frac{1}{2}p_{9,369} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,369}^2 - 4(2p_{9,456} + 2p_{9,436} + p_{9,460} + p_{9,482} + p_{9,82}\\&+ p_{9,474} + p_{9,134} + 2p_{9,454} + p_{9,246} + p_{9,321} + p_{9,449} + p_{9,417}\\&+ p_{9,137} + p_{9,409} + p_{9,89} + p_{9,205} + p_{9,477} + p_{9,125} + p_{9,131}\\&+ p_{9,67} + 2p_{9,307} + p_{9,235} + 2p_{9,503} + 2p_{9,31} + p_{9,287} + p_{9,159})\end{aligned}}$$

$$p_{10,881} = \frac{1}{2}p_{9,369} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,369}^2 - 4(2p_{9,456} + 2p_{9,436} + p_{9,460} + p_{9,482} + p_{9,82}\\&+ p_{9,474} + p_{9,134} + 2p_{9,454} + p_{9,246} + p_{9,321} + p_{9,449} + p_{9,417}\\&+ p_{9,137} + p_{9,409} + p_{9,89} + p_{9,205} + p_{9,477} + p_{9,125} + p_{9,131}\\&+ p_{9,67} + 2p_{9,307} + p_{9,235} + 2p_{9,503} + 2p_{9,31} + p_{9,287} + p_{9,159})\end{aligned}}$$

$$p_{10,241} = \frac{1}{2}p_{9,241} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,241}^2 - 4(2p_{9,328} + 2p_{9,308} + p_{9,332} + p_{9,354} + p_{9,466}\\&+ p_{9,346} + p_{9,6} + 2p_{9,326} + p_{9,118} + p_{9,321} + p_{9,193} + p_{9,289}\\&+ p_{9,9} + p_{9,281} + p_{9,473} + p_{9,77} + p_{9,349} + p_{9,509} + p_{9,3} + p_{9,451}\\&+ 2p_{9,179} + p_{9,107} + 2p_{9,375} + p_{9,31} + p_{9,159} + 2p_{9,415})\end{aligned}}$$

$$p_{10,753} = \frac{1}{2}p_{9,241} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,241}^2 - 4(2p_{9,328} + 2p_{9,308} + p_{9,332} + p_{9,354} + p_{9,466}\\&+ p_{9,346} + p_{9,6} + 2p_{9,326} + p_{9,118} + p_{9,321} + p_{9,193} + p_{9,289}\\&+ p_{9,9} + p_{9,281} + p_{9,473} + p_{9,77} + p_{9,349} + p_{9,509} + p_{9,3} + p_{9,451}\\&+ 2p_{9,179} + p_{9,107} + 2p_{9,375} + p_{9,31} + p_{9,159} + 2p_{9,415})\end{aligned}}$$

4 unreferenced roots were skipped

$$p_{10,265} = \frac{1}{2}p_{9,265} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,265}^2 - 4(2p_{9,352} + p_{9,356} + 2p_{9,332} + p_{9,370} + p_{9,490}\\&+ p_{9,378} + p_{9,142} + p_{9,30} + 2p_{9,350} + p_{9,33} + p_{9,305} + p_{9,497}\\&+ p_{9,345} + p_{9,217} + p_{9,313} + p_{9,101} + p_{9,21} + p_{9,373} + p_{9,131}\\&+ 2p_{9,203} + p_{9,27} + p_{9,475} + p_{9,55} + p_{9,183} + 2p_{9,439} + 2p_{9,399})\end{aligned}}$$

$$p_{10,777} = \frac{1}{2}p_{9,265} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,265}^2 - 4(2p_{9,352} + p_{9,356} + 2p_{9,332} + p_{9,370} + p_{9,490}\\&+ p_{9,378} + p_{9,142} + p_{9,30} + 2p_{9,350} + p_{9,33} + p_{9,305} + p_{9,497}\\&+ p_{9,345} + p_{9,217} + p_{9,313} + p_{9,101} + p_{9,21} + p_{9,373} + p_{9,131}\\&+ 2p_{9,203} + p_{9,27} + p_{9,475} + p_{9,55} + p_{9,183} + 2p_{9,439} + 2p_{9,399})\end{aligned}}$$

$$p_{10,137} = \frac{1}{2}p_{9,137} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,137}^2 - 4(2p_{9,224} + p_{9,228} + 2p_{9,204} + p_{9,242} + p_{9,362}\\&+ p_{9,250} + p_{9,14} + p_{9,414} + 2p_{9,222} + p_{9,417} + p_{9,177} + p_{9,369}\\&+ p_{9,89} + p_{9,217} + p_{9,185} + p_{9,485} + p_{9,405} + p_{9,245} + p_{9,3}\\&+ 2p_{9,75} + p_{9,411} + p_{9,347} + p_{9,55} + 2p_{9,311} + p_{9,439} + 2p_{9,271})\end{aligned}}$$

$$p_{10,649} = \frac{1}{2}p_{9,137} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,137}^2 - 4(2p_{9,224} + p_{9,228} + 2p_{9,204} + p_{9,242} + p_{9,362}\\&+ p_{9,250} + p_{9,14} + p_{9,414} + 2p_{9,222} + p_{9,417} + p_{9,177} + p_{9,369}\\&+ p_{9,89} + p_{9,217} + p_{9,185} + p_{9,485} + p_{9,405} + p_{9,245} + p_{9,3}\\&+ 2p_{9,75} + p_{9,411} + p_{9,347} + p_{9,55} + 2p_{9,311} + p_{9,439} + 2p_{9,271})\end{aligned}}$$

$$p_{10,393} = \frac{1}{2}p_{9,393} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,393}^2 - 4(2p_{9,480} + p_{9,484} + 2p_{9,460} + p_{9,498} + p_{9,106}\\&+ p_{9,506} + p_{9,270} + p_{9,158} + 2p_{9,478} + p_{9,161} + p_{9,433} + p_{9,113}\\&+ p_{9,345} + p_{9,473} + p_{9,441} + p_{9,229} + p_{9,149} + p_{9,501} + p_{9,259}\\&+ 2p_{9,331} + p_{9,155} + p_{9,91} + 2p_{9,55} + p_{9,311} + p_{9,183} + 2p_{9,15})\end{aligned}}$$

$$p_{10,905} = \frac{1}{2}p_{9,393} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,393}^2 - 4(2p_{9,480} + p_{9,484} + 2p_{9,460} + p_{9,498} + p_{9,106}\\&+ p_{9,506} + p_{9,270} + p_{9,158} + 2p_{9,478} + p_{9,161} + p_{9,433} + p_{9,113}\\&+ p_{9,345} + p_{9,473} + p_{9,441} + p_{9,229} + p_{9,149} + p_{9,501} + p_{9,259}\\&+ 2p_{9,331} + p_{9,155} + p_{9,91} + 2p_{9,55} + p_{9,311} + p_{9,183} + 2p_{9,15})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,585} = \frac{1}{2}p_{9,73} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,73}^2 - 4(2p_{9,160} + p_{9,164} + 2p_{9,140} + p_{9,178} + p_{9,298}\\&+ p_{9,186} + p_{9,462} + 2p_{9,158} + p_{9,350} + p_{9,353} + p_{9,305} + p_{9,113}\\&+ p_{9,25} + p_{9,153} + p_{9,121} + p_{9,421} + p_{9,341} + p_{9,181} + p_{9,451}\\&+ 2p_{9,11} + p_{9,283} + p_{9,347} + p_{9,375} + 2p_{9,247} + p_{9,503} + 2p_{9,207})\end{aligned}}$$

$$p_{10,329} = \frac{1}{2}p_{9,329} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,329}^2 - 4(2p_{9,416} + p_{9,420} + 2p_{9,396} + p_{9,434} + p_{9,42}\\&+ p_{9,442} + p_{9,206} + 2p_{9,414} + p_{9,94} + p_{9,97} + p_{9,49} + p_{9,369}\\&+ p_{9,281} + p_{9,409} + p_{9,377} + p_{9,165} + p_{9,85} + p_{9,437} + p_{9,195}\\&+ 2p_{9,267} + p_{9,27} + p_{9,91} + p_{9,119} + p_{9,247} + 2p_{9,503} + 2p_{9,463})\end{aligned}}$$

$$p_{10,841} = \frac{1}{2}p_{9,329} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,329}^2 - 4(2p_{9,416} + p_{9,420} + 2p_{9,396} + p_{9,434} + p_{9,42}\\&+ p_{9,442} + p_{9,206} + 2p_{9,414} + p_{9,94} + p_{9,97} + p_{9,49} + p_{9,369}\\&+ p_{9,281} + p_{9,409} + p_{9,377} + p_{9,165} + p_{9,85} + p_{9,437} + p_{9,195}\\&+ 2p_{9,267} + p_{9,27} + p_{9,91} + p_{9,119} + p_{9,247} + 2p_{9,503} + 2p_{9,463})\end{aligned}}$$

$$p_{10,201} = \frac{1}{2}p_{9,201} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,201}^2 - 4(2p_{9,288} + p_{9,292} + 2p_{9,268} + p_{9,306} + p_{9,426}\\&+ p_{9,314} + p_{9,78} + 2p_{9,286} + p_{9,478} + p_{9,481} + p_{9,433} + p_{9,241}\\&+ p_{9,281} + p_{9,153} + p_{9,249} + p_{9,37} + p_{9,469} + p_{9,309} + p_{9,67}\\&+ 2p_{9,139} + p_{9,411} + p_{9,475} + p_{9,119} + 2p_{9,375} + p_{9,503} + 2p_{9,335})\end{aligned}}$$

$$p_{10,713} = \frac{1}{2}p_{9,201} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,201}^2 - 4(2p_{9,288} + p_{9,292} + 2p_{9,268} + p_{9,306} + p_{9,426}\\&+ p_{9,314} + p_{9,78} + 2p_{9,286} + p_{9,478} + p_{9,481} + p_{9,433} + p_{9,241}\\&+ p_{9,281} + p_{9,153} + p_{9,249} + p_{9,37} + p_{9,469} + p_{9,309} + p_{9,67}\\&+ 2p_{9,139} + p_{9,411} + p_{9,475} + p_{9,119} + 2p_{9,375} + p_{9,503} + 2p_{9,335})\end{aligned}}$$

$$p_{10,457} = \frac{1}{2}p_{9,457} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,457}^2 - 4(2p_{9,32} + p_{9,36} + 2p_{9,12} + p_{9,50} + p_{9,170} + p_{9,58}\\&+ p_{9,334} + 2p_{9,30} + p_{9,222} + p_{9,225} + p_{9,177} + p_{9,497} + p_{9,25}\\&+ p_{9,409} + p_{9,505} + p_{9,293} + p_{9,213} + p_{9,53} + p_{9,323} + 2p_{9,395}\\&+ p_{9,155} + p_{9,219} + 2p_{9,119} + p_{9,375} + p_{9,247} + 2p_{9,79})\end{aligned}}$$

$$p_{10,969} = \frac{1}{2}p_{9,457} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,457}^2 - 4(2p_{9,32} + p_{9,36} + 2p_{9,12} + p_{9,50} + p_{9,170} + p_{9,58}\\&+ p_{9,334} + 2p_{9,30} + p_{9,222} + p_{9,225} + p_{9,177} + p_{9,497} + p_{9,25}\\&+ p_{9,409} + p_{9,505} + p_{9,293} + p_{9,213} + p_{9,53} + p_{9,323} + 2p_{9,395}\\&+ p_{9,155} + p_{9,219} + 2p_{9,119} + p_{9,375} + p_{9,247} + 2p_{9,79})\end{aligned}}$$

$$p_{10,41} = \frac{1}{2}p_{9,41} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,41}^2 - 4(2p_{9,128} + p_{9,132} + 2p_{9,108} + p_{9,146} + p_{9,266}\\&+ p_{9,154} + p_{9,430} + p_{9,318} + 2p_{9,126} + p_{9,321} + p_{9,273} + p_{9,81}\\&+ p_{9,89} + p_{9,121} + p_{9,505} + p_{9,389} + p_{9,149} + p_{9,309} + p_{9,419}\\&+ 2p_{9,491} + p_{9,315} + p_{9,251} + p_{9,343} + 2p_{9,215} + p_{9,471} + 2p_{9,175})\end{aligned}}$$

$$p_{10,553} = \frac{1}{2}p_{9,41} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,41}^2 - 4(2p_{9,128} + p_{9,132} + 2p_{9,108} + p_{9,146} + p_{9,266}\\&+ p_{9,154} + p_{9,430} + p_{9,318} + 2p_{9,126} + p_{9,321} + p_{9,273} + p_{9,81}\\&+ p_{9,89} + p_{9,121} + p_{9,505} + p_{9,389} + p_{9,149} + p_{9,309} + p_{9,419}\\&+ 2p_{9,491} + p_{9,315} + p_{9,251} + p_{9,343} + 2p_{9,215} + p_{9,471} + 2p_{9,175})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,809} = \frac{1}{2}p_{9,297} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,297}^2 - 4(2p_{9,384} + p_{9,388} + 2p_{9,364} + p_{9,402} + p_{9,10}\\&+ p_{9,410} + p_{9,174} + p_{9,62} + 2p_{9,382} + p_{9,65} + p_{9,17} + p_{9,337}\\&+ p_{9,345} + p_{9,377} + p_{9,249} + p_{9,133} + p_{9,405} + p_{9,53} + p_{9,163}\\&+ 2p_{9,235} + p_{9,59} + p_{9,507} + p_{9,87} + p_{9,215} + 2p_{9,471} + 2p_{9,431})\end{aligned}}$$

$$p_{10,169} = \frac{1}{2}p_{9,169} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,169}^2 - 4(2p_{9,256} + p_{9,260} + 2p_{9,236} + p_{9,274} + p_{9,394}\\&+ p_{9,282} + p_{9,46} + p_{9,446} + 2p_{9,254} + p_{9,449} + p_{9,401} + p_{9,209}\\&+ p_{9,217} + p_{9,121} + p_{9,249} + p_{9,5} + p_{9,277} + p_{9,437} + p_{9,35}\\&+ 2p_{9,107} + p_{9,443} + p_{9,379} + p_{9,87} + 2p_{9,343} + p_{9,471} + 2p_{9,303})\end{aligned}}$$

$$p_{10,681} = \frac{1}{2}p_{9,169} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,169}^2 - 4(2p_{9,256} + p_{9,260} + 2p_{9,236} + p_{9,274} + p_{9,394}\\&+ p_{9,282} + p_{9,46} + p_{9,446} + 2p_{9,254} + p_{9,449} + p_{9,401} + p_{9,209}\\&+ p_{9,217} + p_{9,121} + p_{9,249} + p_{9,5} + p_{9,277} + p_{9,437} + p_{9,35}\\&+ 2p_{9,107} + p_{9,443} + p_{9,379} + p_{9,87} + 2p_{9,343} + p_{9,471} + 2p_{9,303})\end{aligned}}$$

$$p_{10,425} = \frac{1}{2}p_{9,425} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,425}^2 - 4(2p_{9,0} + p_{9,4} + 2p_{9,492} + p_{9,18} + p_{9,138} + p_{9,26}\\&+ p_{9,302} + p_{9,190} + 2p_{9,510} + p_{9,193} + p_{9,145} + p_{9,465} + p_{9,473}\\&+ p_{9,377} + p_{9,505} + p_{9,261} + p_{9,21} + p_{9,181} + p_{9,291} + 2p_{9,363}\\&+ p_{9,187} + p_{9,123} + 2p_{9,87} + p_{9,343} + p_{9,215} + 2p_{9,47})\end{aligned}}$$

$$p_{10,937} = \frac{1}{2}p_{9,425} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,425}^2 - 4(2p_{9,0} + p_{9,4} + 2p_{9,492} + p_{9,18} + p_{9,138} + p_{9,26}\\&+ p_{9,302} + p_{9,190} + 2p_{9,510} + p_{9,193} + p_{9,145} + p_{9,465} + p_{9,473}\\&+ p_{9,377} + p_{9,505} + p_{9,261} + p_{9,21} + p_{9,181} + p_{9,291} + 2p_{9,363}\\&+ p_{9,187} + p_{9,123} + 2p_{9,87} + p_{9,343} + p_{9,215} + 2p_{9,47})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,617} = \frac{1}{2}p_{9,105} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,105}^2 - 4(2p_{9,192} + p_{9,196} + 2p_{9,172} + p_{9,210} + p_{9,330}\\&+ p_{9,218} + p_{9,494} + 2p_{9,190} + p_{9,382} + p_{9,385} + p_{9,145} + p_{9,337}\\&+ p_{9,153} + p_{9,57} + p_{9,185} + p_{9,453} + p_{9,213} + p_{9,373} + p_{9,483}\\&+ 2p_{9,43} + p_{9,315} + p_{9,379} + p_{9,23} + 2p_{9,279} + p_{9,407} + 2p_{9,239})\end{aligned}}$$

$$p_{10,361} = \frac{1}{2}p_{9,361} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,361}^2 - 4(2p_{9,448} + p_{9,452} + 2p_{9,428} + p_{9,466} + p_{9,74}\\&+ p_{9,474} + p_{9,238} + 2p_{9,446} + p_{9,126} + p_{9,129} + p_{9,401} + p_{9,81}\\&+ p_{9,409} + p_{9,313} + p_{9,441} + p_{9,197} + p_{9,469} + p_{9,117} + p_{9,227}\\&+ 2p_{9,299} + p_{9,59} + p_{9,123} + 2p_{9,23} + p_{9,279} + p_{9,151} + 2p_{9,495})\end{aligned}}$$

$$p_{10,873} = \frac{1}{2}p_{9,361} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,361}^2 - 4(2p_{9,448} + p_{9,452} + 2p_{9,428} + p_{9,466} + p_{9,74}\\&+ p_{9,474} + p_{9,238} + 2p_{9,446} + p_{9,126} + p_{9,129} + p_{9,401} + p_{9,81}\\&+ p_{9,409} + p_{9,313} + p_{9,441} + p_{9,197} + p_{9,469} + p_{9,117} + p_{9,227}\\&+ 2p_{9,299} + p_{9,59} + p_{9,123} + 2p_{9,23} + p_{9,279} + p_{9,151} + 2p_{9,495})\end{aligned}}$$

$$p_{10,233} = \frac{1}{2}p_{9,233} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,233}^2 - 4(2p_{9,320} + p_{9,324} + 2p_{9,300} + p_{9,338} + p_{9,458}\\&+ p_{9,346} + p_{9,110} + 2p_{9,318} + p_{9,510} + p_{9,1} + p_{9,273} + p_{9,465}\\&+ p_{9,281} + p_{9,313} + p_{9,185} + p_{9,69} + p_{9,341} + p_{9,501} + p_{9,99}\\&+ 2p_{9,171} + p_{9,443} + p_{9,507} + p_{9,23} + p_{9,151} + 2p_{9,407} + 2p_{9,367})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,489} = \frac{1}{2}p_{9,489} + \frac{1}{2}\sqrt{\begin{array}{l}p_{9,489}^2 - 4(2p_{9,64} + p_{9,68} + 2p_{9,44} + p_{9,82} + p_{9,202} + p_{9,90} \\ + p_{9,366} + 2p_{9,62} + p_{9,254} + p_{9,257} + p_{9,17} + p_{9,209} + p_{9,25} \\ + p_{9,57} + p_{9,441} + p_{9,325} + p_{9,85} + p_{9,245} + p_{9,355} + 2p_{9,427} \\ + p_{9,187} + p_{9,251} + p_{9,279} + 2p_{9,151} + p_{9,407} + 2p_{9,111})\end{array}}$$

$$p_{10,1001} = \frac{1}{2}p_{9,489} - \frac{1}{2}\sqrt{\begin{array}{l}p_{9,489}^2 - 4(2p_{9,64} + p_{9,68} + 2p_{9,44} + p_{9,82} + p_{9,202} + p_{9,90} \\ + p_{9,366} + 2p_{9,62} + p_{9,254} + p_{9,257} + p_{9,17} + p_{9,209} + p_{9,25} \\ + p_{9,57} + p_{9,441} + p_{9,325} + p_{9,85} + p_{9,245} + p_{9,355} + 2p_{9,427} \\ + p_{9,187} + p_{9,251} + p_{9,279} + 2p_{9,151} + p_{9,407} + 2p_{9,111})\end{array}}$$

$$p_{10,25} = \frac{1}{2}p_{9,25} + \frac{1}{2}\sqrt{\begin{array}{l}p_{9,25}^2 - 4(2p_{9,112} + p_{9,116} + 2p_{9,92} + p_{9,130} + p_{9,138} \\ + p_{9,250} + p_{9,302} + 2p_{9,110} + p_{9,414} + p_{9,257} + p_{9,65} + p_{9,305} \\ + p_{9,73} + p_{9,105} + p_{9,489} + p_{9,133} + p_{9,293} + p_{9,373} + p_{9,403} \\ + p_{9,299} + p_{9,235} + 2p_{9,475} + p_{9,327} + 2p_{9,199} + p_{9,455} + 2p_{9,159})\end{array}}$$

$$p_{10,537} = \frac{1}{2}p_{9,25} - \frac{1}{2}\sqrt{\begin{array}{l}p_{9,25}^2 - 4(2p_{9,112} + p_{9,116} + 2p_{9,92} + p_{9,130} + p_{9,138} \\ + p_{9,250} + p_{9,302} + 2p_{9,110} + p_{9,414} + p_{9,257} + p_{9,65} + p_{9,305} \\ + p_{9,73} + p_{9,105} + p_{9,489} + p_{9,133} + p_{9,293} + p_{9,373} + p_{9,403} \\ + p_{9,299} + p_{9,235} + 2p_{9,475} + p_{9,327} + 2p_{9,199} + p_{9,455} + 2p_{9,159})\end{array}}$$

$$p_{10,281} = \frac{1}{2}p_{9,281} - \frac{1}{2}\sqrt{\begin{array}{l}p_{9,281}^2 - 4(2p_{9,368} + p_{9,372} + 2p_{9,348} + p_{9,386} + p_{9,394} \\ + p_{9,506} + p_{9,46} + 2p_{9,366} + p_{9,158} + p_{9,1} + p_{9,321} + p_{9,49} \\ + p_{9,329} + p_{9,361} + p_{9,233} + p_{9,389} + p_{9,37} + p_{9,117} + p_{9,147} \\ + p_{9,43} + p_{9,491} + 2p_{9,219} + p_{9,71} + p_{9,199} + 2p_{9,455} + 2p_{9,415})\end{array}}$$

$$p_{10,793} = \frac{1}{2}p_{9,281} + \frac{1}{2}\sqrt{\begin{array}{l}p_{9,281}^2 - 4(2p_{9,368} + p_{9,372} + 2p_{9,348} + p_{9,386} + p_{9,394} \\ + p_{9,506} + p_{9,46} + 2p_{9,366} + p_{9,158} + p_{9,1} + p_{9,321} + p_{9,49} \\ + p_{9,329} + p_{9,361} + p_{9,233} + p_{9,389} + p_{9,37} + p_{9,117} + p_{9,147} \\ + p_{9,43} + p_{9,491} + 2p_{9,219} + p_{9,71} + p_{9,199} + 2p_{9,455} + 2p_{9,415})\end{array}}$$

$$p_{10,153} = \frac{1}{2}p_{9,153} + \frac{1}{2}\sqrt{\begin{array}{l}p_{9,153}^2 - 4(2p_{9,240} + p_{9,244} + 2p_{9,220} + p_{9,258} + p_{9,266} \\ + p_{9,378} + p_{9,430} + 2p_{9,238} + p_{9,30} + p_{9,385} + p_{9,193} + p_{9,433} \\ + p_{9,201} + p_{9,105} + p_{9,233} + p_{9,261} + p_{9,421} + p_{9,501} + p_{9,19} \\ + p_{9,427} + p_{9,363} + 2p_{9,91} + p_{9,71} + 2p_{9,327} + p_{9,455} + 2p_{9,287})\end{array}}$$

$$p_{10,665} = \frac{1}{2}p_{9,153} - \frac{1}{2}\sqrt{\begin{array}{l}p_{9,153}^2 - 4(2p_{9,240} + p_{9,244} + 2p_{9,220} + p_{9,258} + p_{9,266} \\ + p_{9,378} + p_{9,430} + 2p_{9,238} + p_{9,30} + p_{9,385} + p_{9,193} + p_{9,433} \\ + p_{9,201} + p_{9,105} + p_{9,233} + p_{9,261} + p_{9,421} + p_{9,501} + p_{9,19} \\ + p_{9,427} + p_{9,363} + 2p_{9,91} + p_{9,71} + 2p_{9,327} + p_{9,455} + 2p_{9,287})\end{array}}$$

2 unreferenced roots were skipped

$$p_{10,89} = \frac{1}{2}p_{9,89} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,89}^2 - 4(2p_{9,176} + p_{9,180} + 2p_{9,156} + p_{9,194} + p_{9,202}\\&+ p_{9,314} + 2p_{9,174} + p_{9,366} + p_{9,478} + p_{9,129} + p_{9,321} + p_{9,369}\\&+ p_{9,137} + p_{9,41} + p_{9,169} + p_{9,197} + p_{9,357} + p_{9,437} + p_{9,467}\\&+ p_{9,299} + p_{9,363} + 2p_{9,27} + p_{9,7} + 2p_{9,263} + p_{9,391} + 2p_{9,223})\end{aligned}}$$

$$p_{10,601} = \frac{1}{2}p_{9,89} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,89}^2 - 4(2p_{9,176} + p_{9,180} + 2p_{9,156} + p_{9,194} + p_{9,202}\\&+ p_{9,314} + 2p_{9,174} + p_{9,366} + p_{9,478} + p_{9,129} + p_{9,321} + p_{9,369}\\&+ p_{9,137} + p_{9,41} + p_{9,169} + p_{9,197} + p_{9,357} + p_{9,437} + p_{9,467}\\&+ p_{9,299} + p_{9,363} + 2p_{9,27} + p_{9,7} + 2p_{9,263} + p_{9,391} + 2p_{9,223})\end{aligned}}$$

$$p_{10,345} = \frac{1}{2}p_{9,345} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,345}^2 - 4(2p_{9,432} + p_{9,436} + 2p_{9,412} + p_{9,450} + p_{9,458}\\&+ p_{9,58} + 2p_{9,430} + p_{9,110} + p_{9,222} + p_{9,385} + p_{9,65} + p_{9,113}\\&+ p_{9,393} + p_{9,297} + p_{9,425} + p_{9,453} + p_{9,101} + p_{9,181} + p_{9,211}\\&+ p_{9,43} + p_{9,107} + 2p_{9,283} + 2p_{9,7} + p_{9,263} + p_{9,135} + 2p_{9,479})\end{aligned}}$$

$$p_{10,857} = \frac{1}{2}p_{9,345} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,345}^2 - 4(2p_{9,432} + p_{9,436} + 2p_{9,412} + p_{9,450} + p_{9,458}\\&+ p_{9,58} + 2p_{9,430} + p_{9,110} + p_{9,222} + p_{9,385} + p_{9,65} + p_{9,113}\\&+ p_{9,393} + p_{9,297} + p_{9,425} + p_{9,453} + p_{9,101} + p_{9,181} + p_{9,211}\\&+ p_{9,43} + p_{9,107} + 2p_{9,283} + 2p_{9,7} + p_{9,263} + p_{9,135} + 2p_{9,479})\end{aligned}}$$

$$p_{10,217} = \frac{1}{2}p_{9,217} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,217}^2 - 4(2p_{9,304} + p_{9,308} + 2p_{9,284} + p_{9,322} + p_{9,330}\\&+ p_{9,442} + 2p_{9,302} + p_{9,494} + p_{9,94} + p_{9,257} + p_{9,449} + p_{9,497}\\&+ p_{9,265} + p_{9,297} + p_{9,169} + p_{9,325} + p_{9,485} + p_{9,53} + p_{9,83}\\&+ p_{9,427} + p_{9,491} + 2p_{9,155} + p_{9,7} + p_{9,135} + 2p_{9,391} + 2p_{9,351})\end{aligned}}$$

$$p_{10,729} = \frac{1}{2}p_{9,217} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,217}^2 - 4(2p_{9,304} + p_{9,308} + 2p_{9,284} + p_{9,322} + p_{9,330}\\&+ p_{9,442} + 2p_{9,302} + p_{9,494} + p_{9,94} + p_{9,257} + p_{9,449} + p_{9,497}\\&+ p_{9,265} + p_{9,297} + p_{9,169} + p_{9,325} + p_{9,485} + p_{9,53} + p_{9,83}\\&+ p_{9,427} + p_{9,491} + 2p_{9,155} + p_{9,7} + p_{9,135} + 2p_{9,391} + 2p_{9,351})\end{aligned}}$$

$$p_{10,473} = \frac{1}{2}p_{9,473} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,473}^2 - 4(2p_{9,48} + p_{9,52} + 2p_{9,28} + p_{9,66} + p_{9,74}\\&+ p_{9,186} + 2p_{9,46} + p_{9,238} + p_{9,350} + p_{9,1} + p_{9,193} + p_{9,241}\\&+ p_{9,9} + p_{9,41} + p_{9,425} + p_{9,69} + p_{9,229} + p_{9,309} + p_{9,339}\\&+ p_{9,171} + p_{9,235} + 2p_{9,411} + p_{9,263} + 2p_{9,135} + p_{9,391} + 2p_{9,95})\end{aligned}}$$

$$p_{10,985} = \frac{1}{2}p_{9,473} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,473}^2 - 4(2p_{9,48} + p_{9,52} + 2p_{9,28} + p_{9,66} + p_{9,74}\\&+ p_{9,186} + 2p_{9,46} + p_{9,238} + p_{9,350} + p_{9,1} + p_{9,193} + p_{9,241}\\&+ p_{9,9} + p_{9,41} + p_{9,425} + p_{9,69} + p_{9,229} + p_{9,309} + p_{9,339}\\&+ p_{9,171} + p_{9,235} + 2p_{9,411} + p_{9,263} + 2p_{9,135} + p_{9,391} + 2p_{9,95})\end{aligned}}$$

$$p_{10,57} = \frac{1}{2}p_{9,57} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,57}^2 - 4(2p_{9,144} + p_{9,148} + 2p_{9,124} + p_{9,162} + p_{9,170}\\ &+ p_{9,282} + 2p_{9,142} + p_{9,334} + p_{9,446} + p_{9,289} + p_{9,97} + p_{9,337}\\ &+ p_{9,9} + p_{9,137} + p_{9,105} + p_{9,325} + p_{9,165} + p_{9,405} + p_{9,435}\\ &+ p_{9,267} + p_{9,331} + 2p_{9,507} + p_{9,359} + 2p_{9,231} + p_{9,487} + 2p_{9,191})\end{aligned}}$$

$$p_{10,569} = \frac{1}{2}p_{9,57} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,57}^2 - 4(2p_{9,144} + p_{9,148} + 2p_{9,124} + p_{9,162} + p_{9,170}\\ &+ p_{9,282} + 2p_{9,142} + p_{9,334} + p_{9,446} + p_{9,289} + p_{9,97} + p_{9,337}\\ &+ p_{9,9} + p_{9,137} + p_{9,105} + p_{9,325} + p_{9,165} + p_{9,405} + p_{9,435}\\ &+ p_{9,267} + p_{9,331} + 2p_{9,507} + p_{9,359} + 2p_{9,231} + p_{9,487} + 2p_{9,191})\end{aligned}}$$

$$p_{10,313} = \frac{1}{2}p_{9,313} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,313}^2 - 4(2p_{9,400} + p_{9,404} + 2p_{9,380} + p_{9,418} + p_{9,426}\\ &+ p_{9,26} + 2p_{9,398} + p_{9,78} + p_{9,190} + p_{9,33} + p_{9,353} + p_{9,81}\\ &+ p_{9,265} + p_{9,393} + p_{9,361} + p_{9,69} + p_{9,421} + p_{9,149} + p_{9,179}\\ &+ p_{9,11} + p_{9,75} + 2p_{9,251} + p_{9,103} + p_{9,231} + 2p_{9,487} + 2p_{9,447})\end{aligned}}$$

$$p_{10,825} = \frac{1}{2}p_{9,313} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,313}^2 - 4(2p_{9,400} + p_{9,404} + 2p_{9,380} + p_{9,418} + p_{9,426}\\ &+ p_{9,26} + 2p_{9,398} + p_{9,78} + p_{9,190} + p_{9,33} + p_{9,353} + p_{9,81}\\ &+ p_{9,265} + p_{9,393} + p_{9,361} + p_{9,69} + p_{9,421} + p_{9,149} + p_{9,179}\\ &+ p_{9,11} + p_{9,75} + 2p_{9,251} + p_{9,103} + p_{9,231} + 2p_{9,487} + 2p_{9,447})\end{aligned}}$$

$$p_{10,185} = \frac{1}{2}p_{9,185} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,185}^2 - 4(2p_{9,272} + p_{9,276} + 2p_{9,252} + p_{9,290} + p_{9,298}\\ &+ p_{9,410} + 2p_{9,270} + p_{9,462} + p_{9,62} + p_{9,417} + p_{9,225} + p_{9,465}\\ &+ p_{9,265} + p_{9,137} + p_{9,233} + p_{9,453} + p_{9,293} + p_{9,21} + p_{9,51}\\ &+ p_{9,395} + p_{9,459} + 2p_{9,123} + p_{9,103} + 2p_{9,359} + p_{9,487} + 2p_{9,319})\end{aligned}}$$

$$p_{10,697} = \frac{1}{2}p_{9,185} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,185}^2 - 4(2p_{9,272} + p_{9,276} + 2p_{9,252} + p_{9,290} + p_{9,298}\\ &+ p_{9,410} + 2p_{9,270} + p_{9,462} + p_{9,62} + p_{9,417} + p_{9,225} + p_{9,465}\\ &+ p_{9,265} + p_{9,137} + p_{9,233} + p_{9,453} + p_{9,293} + p_{9,21} + p_{9,51}\\ &+ p_{9,395} + p_{9,459} + 2p_{9,123} + p_{9,103} + 2p_{9,359} + p_{9,487} + 2p_{9,319})\end{aligned}}$$

$$p_{10,441} = \frac{1}{2}p_{9,441} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,441}^2 - 4(2p_{9,16} + p_{9,20} + 2p_{9,508} + p_{9,34} + p_{9,42}\\ &+ p_{9,154} + 2p_{9,14} + p_{9,206} + p_{9,318} + p_{9,161} + p_{9,481} + p_{9,209}\\ &+ p_{9,9} + p_{9,393} + p_{9,489} + p_{9,197} + p_{9,37} + p_{9,277} + p_{9,307}\\ &+ p_{9,139} + p_{9,203} + 2p_{9,379} + 2p_{9,103} + p_{9,359} + p_{9,231} + 2p_{9,63})\end{aligned}}$$

$$p_{10,953} = \frac{1}{2}p_{9,441} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,441}^2 - 4(2p_{9,16} + p_{9,20} + 2p_{9,508} + p_{9,34} + p_{9,42}\\ &+ p_{9,154} + 2p_{9,14} + p_{9,206} + p_{9,318} + p_{9,161} + p_{9,481} + p_{9,209}\\ &+ p_{9,9} + p_{9,393} + p_{9,489} + p_{9,197} + p_{9,37} + p_{9,277} + p_{9,307}\\ &+ p_{9,139} + p_{9,203} + 2p_{9,379} + 2p_{9,103} + p_{9,359} + p_{9,231} + 2p_{9,63})\end{aligned}}$$

$$p_{10,121} = \frac{1}{2}p_{9,121} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,121}^2 - 4(2p_{9,208} + p_{9,212} + 2p_{9,188} + p_{9,226} + p_{9,234}\\ &+ p_{9,346} + p_{9,398} + 2p_{9,206} + p_{9,510} + p_{9,161} + p_{9,353} + p_{9,401}\\ &+ p_{9,73} + p_{9,201} + p_{9,169} + p_{9,389} + p_{9,229} + p_{9,469} + p_{9,499}\\ &+ p_{9,395} + p_{9,331} + 2p_{9,59} + p_{9,39} + 2p_{9,295} + p_{9,423} + 2p_{9,255})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,377} = \frac{1}{2}p_{9,377} - \frac{1}{2}\sqrt{\begin{array}{l}p_{9,377}^2 - 4(2p_{9,464} + p_{9,468} + 2p_{9,444} + p_{9,482} + p_{9,490} \\ + p_{9,90} + p_{9,142} + 2p_{9,462} + p_{9,254} + p_{9,417} + p_{9,97} + p_{9,145} \\ + p_{9,329} + p_{9,457} + p_{9,425} + p_{9,133} + p_{9,485} + p_{9,213} + p_{9,243} \\ + p_{9,139} + p_{9,75} + 2p_{9,315} + 2p_{9,39} + p_{9,295} + p_{9,167} + 2p_{9,511})\end{array}}$$

$$p_{10,889} = \frac{1}{2}p_{9,377} + \frac{1}{2}\sqrt{\begin{array}{l}p_{9,377}^2 - 4(2p_{9,464} + p_{9,468} + 2p_{9,444} + p_{9,482} + p_{9,490} \\ + p_{9,90} + p_{9,142} + 2p_{9,462} + p_{9,254} + p_{9,417} + p_{9,97} + p_{9,145} \\ + p_{9,329} + p_{9,457} + p_{9,425} + p_{9,133} + p_{9,485} + p_{9,213} + p_{9,243} \\ + p_{9,139} + p_{9,75} + 2p_{9,315} + 2p_{9,39} + p_{9,295} + p_{9,167} + 2p_{9,511})\end{array}}$$

$$p_{10,249} = \frac{1}{2}p_{9,249} - \frac{1}{2}\sqrt{\begin{array}{l}p_{9,249}^2 - 4(2p_{9,336} + p_{9,340} + 2p_{9,316} + p_{9,354} + p_{9,362} \\ + p_{9,474} + p_{9,14} + 2p_{9,334} + p_{9,126} + p_{9,289} + p_{9,481} + p_{9,17} \\ + p_{9,329} + p_{9,201} + p_{9,297} + p_{9,5} + p_{9,357} + p_{9,85} + p_{9,115} \\ + p_{9,11} + p_{9,459} + 2p_{9,187} + p_{9,39} + p_{9,167} + 2p_{9,423} + 2p_{9,383})\end{array}}$$

$$p_{10,761} = \frac{1}{2}p_{9,249} + \frac{1}{2}\sqrt{\begin{array}{l}p_{9,249}^2 - 4(2p_{9,336} + p_{9,340} + 2p_{9,316} + p_{9,354} + p_{9,362} \\ + p_{9,474} + p_{9,14} + 2p_{9,334} + p_{9,126} + p_{9,289} + p_{9,481} + p_{9,17} \\ + p_{9,329} + p_{9,201} + p_{9,297} + p_{9,5} + p_{9,357} + p_{9,85} + p_{9,115} \\ + p_{9,11} + p_{9,459} + 2p_{9,187} + p_{9,39} + p_{9,167} + 2p_{9,423} + 2p_{9,383})\end{array}}$$

$$p_{10,505} = \frac{1}{2}p_{9,505} + \frac{1}{2}\sqrt{\begin{array}{l}p_{9,505}^2 - 4(2p_{9,80} + p_{9,84} + 2p_{9,60} + p_{9,98} + p_{9,106} \\ + p_{9,218} + p_{9,270} + 2p_{9,78} + p_{9,382} + p_{9,33} + p_{9,225} + p_{9,273} \\ + p_{9,73} + p_{9,457} + p_{9,41} + p_{9,261} + p_{9,101} + p_{9,341} + p_{9,371} \\ + p_{9,267} + p_{9,203} + 2p_{9,443} + p_{9,295} + 2p_{9,167} + p_{9,423} + 2p_{9,127})\end{array}}$$

$$p_{10,1017} = \frac{1}{2}p_{9,505} - \frac{1}{2}\sqrt{\begin{array}{l}p_{9,505}^2 - 4(2p_{9,80} + p_{9,84} + 2p_{9,60} + p_{9,98} + p_{9,106} \\ + p_{9,218} + p_{9,270} + 2p_{9,78} + p_{9,382} + p_{9,33} + p_{9,225} + p_{9,273} \\ + p_{9,73} + p_{9,457} + p_{9,41} + p_{9,261} + p_{9,101} + p_{9,341} + p_{9,371} \\ + p_{9,267} + p_{9,203} + 2p_{9,443} + p_{9,295} + 2p_{9,167} + p_{9,423} + 2p_{9,127})\end{array}}$$

$$p_{10,5} = \frac{1}{2}p_{9,5} + \frac{1}{2}\sqrt{\begin{array}{l}p_{9,5}^2 - 4(p_{9,96} + 2p_{9,72} + 2p_{9,92} + p_{9,394} + p_{9,282} + 2p_{9,90} \\ + p_{9,230} + p_{9,118} + p_{9,110} + p_{9,353} + p_{9,273} + p_{9,113} + p_{9,85} \\ + p_{9,469} + p_{9,53} + p_{9,45} + p_{9,237} + p_{9,285} + p_{9,307} + 2p_{9,179} \\ + p_{9,435} + 2p_{9,139} + 2p_{9,455} + p_{9,279} + p_{9,215} + p_{9,383})\end{array}}$$

$$p_{10,517} = \frac{1}{2}p_{9,5} - \frac{1}{2}\sqrt{\begin{array}{l}p_{9,5}^2 - 4(p_{9,96} + 2p_{9,72} + 2p_{9,92} + p_{9,394} + p_{9,282} + 2p_{9,90} \\ + p_{9,230} + p_{9,118} + p_{9,110} + p_{9,353} + p_{9,273} + p_{9,113} + p_{9,85} \\ + p_{9,469} + p_{9,53} + p_{9,45} + p_{9,237} + p_{9,285} + p_{9,307} + 2p_{9,179} \\ + p_{9,435} + 2p_{9,139} + 2p_{9,455} + p_{9,279} + p_{9,215} + p_{9,383})\end{array}}$$

$$p_{10,261} = \frac{1}{2}p_{9,261} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,261}^2 - 4(p_{9,352} + 2p_{9,328} + 2p_{9,348} + p_{9,138} + p_{9,26}\\&+ 2p_{9,346} + p_{9,486} + p_{9,374} + p_{9,366} + p_{9,97} + p_{9,17} + p_{9,369}\\&+ p_{9,341} + p_{9,213} + p_{9,309} + p_{9,301} + p_{9,493} + p_{9,29} + p_{9,51}\\&+ p_{9,179} + 2p_{9,435} + 2p_{9,395} + 2p_{9,199} + p_{9,23} + p_{9,471} + p_{9,127})\end{aligned}}$$

$$p_{10,773} = \frac{1}{2}p_{9,261} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,261}^2 - 4(p_{9,352} + 2p_{9,328} + 2p_{9,348} + p_{9,138} + p_{9,26}\\&+ 2p_{9,346} + p_{9,486} + p_{9,374} + p_{9,366} + p_{9,97} + p_{9,17} + p_{9,369}\\&+ p_{9,341} + p_{9,213} + p_{9,309} + p_{9,301} + p_{9,493} + p_{9,29} + p_{9,51}\\&+ p_{9,179} + 2p_{9,435} + 2p_{9,395} + 2p_{9,199} + p_{9,23} + p_{9,471} + p_{9,127})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,645} = \frac{1}{2}p_{9,133} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,133}^2 - 4(p_{9,224} + 2p_{9,200} + 2p_{9,220} + p_{9,10} + p_{9,410}\\&+ 2p_{9,218} + p_{9,358} + p_{9,246} + p_{9,238} + p_{9,481} + p_{9,401} + p_{9,241}\\&+ p_{9,85} + p_{9,213} + p_{9,181} + p_{9,173} + p_{9,365} + p_{9,413} + p_{9,51}\\&+ 2p_{9,307} + p_{9,435} + 2p_{9,267} + 2p_{9,71} + p_{9,407} + p_{9,343} + p_{9,511})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,901} = \frac{1}{2}p_{9,389} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,389}^2 - 4(p_{9,480} + 2p_{9,456} + 2p_{9,476} + p_{9,266} + p_{9,154}\\&+ 2p_{9,474} + p_{9,102} + p_{9,502} + p_{9,494} + p_{9,225} + p_{9,145} + p_{9,497}\\&+ p_{9,341} + p_{9,469} + p_{9,437} + p_{9,429} + p_{9,109} + p_{9,157} + 2p_{9,51}\\&+ p_{9,307} + p_{9,179} + 2p_{9,11} + 2p_{9,327} + p_{9,151} + p_{9,87} + p_{9,255})\end{aligned}}$$

$$p_{10,69} = \frac{1}{2}p_{9,69} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,69}^2 - 4(p_{9,160} + 2p_{9,136} + 2p_{9,156} + p_{9,458} + 2p_{9,154}\\&+ p_{9,346} + p_{9,294} + p_{9,182} + p_{9,174} + p_{9,417} + p_{9,337} + p_{9,177}\\&+ p_{9,21} + p_{9,149} + p_{9,117} + p_{9,301} + p_{9,109} + p_{9,349} + p_{9,371}\\&+ 2p_{9,243} + p_{9,499} + 2p_{9,203} + 2p_{9,7} + p_{9,279} + p_{9,343} + p_{9,447})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,325} = \frac{1}{2}p_{9,325} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,325}^2 - 4(p_{9,416} + 2p_{9,392} + 2p_{9,412} + p_{9,202} + 2p_{9,410}\\&+ p_{9,90} + p_{9,38} + p_{9,438} + p_{9,430} + p_{9,161} + p_{9,81} + p_{9,433}\\&+ p_{9,277} + p_{9,405} + p_{9,373} + p_{9,45} + p_{9,365} + p_{9,93} + p_{9,115}\\&+ p_{9,243} + 2p_{9,499} + 2p_{9,459} + 2p_{9,263} + p_{9,23} + p_{9,87} + p_{9,191})\end{aligned}}$$

2 unreferenced roots were skipped

$$p_{10,709} = \frac{1}{2}p_{9,197} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,197}^2 - 4(p_{9,288} + 2p_{9,264} + 2p_{9,284} + p_{9,74} + 2p_{9,282}\\&+ p_{9,474} + p_{9,422} + p_{9,310} + p_{9,302} + p_{9,33} + p_{9,465} + p_{9,305}\\&+ p_{9,277} + p_{9,149} + p_{9,245} + p_{9,429} + p_{9,237} + p_{9,477} + p_{9,115}\\&+ 2p_{9,371} + p_{9,499} + 2p_{9,331} + 2p_{9,135} + p_{9,407} + p_{9,471} + p_{9,63})\end{aligned}}$$

$$p_{10,453} = \frac{1}{2}p_{9,453} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,453}^2 - 4(p_{9,32} + 2p_{9,8} + 2p_{9,28} + p_{9,330} + 2p_{9,26}\\&+ p_{9,218} + p_{9,166} + p_{9,54} + p_{9,46} + p_{9,289} + p_{9,209} + p_{9,49}\\&+ p_{9,21} + p_{9,405} + p_{9,501} + p_{9,173} + p_{9,493} + p_{9,221} + 2p_{9,115}\\&+ p_{9,371} + p_{9,243} + 2p_{9,75} + 2p_{9,391} + p_{9,151} + p_{9,215} + p_{9,319})\end{aligned}}$$

$$p_{10,965} = \frac{1}{2}p_{9,453} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,453}^2 - 4(p_{9,32} + 2p_{9,8} + 2p_{9,28} + p_{9,330} + 2p_{9,26}\\&+ p_{9,218} + p_{9,166} + p_{9,54} + p_{9,46} + p_{9,289} + p_{9,209} + p_{9,49}\\&+ p_{9,21} + p_{9,405} + p_{9,501} + p_{9,173} + p_{9,493} + p_{9,221} + 2p_{9,115}\\&+ p_{9,371} + p_{9,243} + 2p_{9,75} + 2p_{9,391} + p_{9,151} + p_{9,215} + p_{9,319})\end{aligned}}$$

$$p_{10,37} = \frac{1}{2}p_{9,37} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,37}^2 - 4(p_{9,128} + 2p_{9,104} + 2p_{9,124} + p_{9,426} + p_{9,314}\\&+ 2p_{9,122} + p_{9,262} + p_{9,150} + p_{9,142} + p_{9,385} + p_{9,145} + p_{9,305}\\&+ p_{9,85} + p_{9,117} + p_{9,501} + p_{9,269} + p_{9,77} + p_{9,317} + p_{9,339}\\&+ 2p_{9,211} + p_{9,467} + 2p_{9,171} + 2p_{9,487} + p_{9,311} + p_{9,247} + p_{9,415})\end{aligned}}$$

$$p_{10,549} = \frac{1}{2}p_{9,37} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,37}^2 - 4(p_{9,128} + 2p_{9,104} + 2p_{9,124} + p_{9,426} + p_{9,314}\\&+ 2p_{9,122} + p_{9,262} + p_{9,150} + p_{9,142} + p_{9,385} + p_{9,145} + p_{9,305}\\&+ p_{9,85} + p_{9,117} + p_{9,501} + p_{9,269} + p_{9,77} + p_{9,317} + p_{9,339}\\&+ 2p_{9,211} + p_{9,467} + 2p_{9,171} + 2p_{9,487} + p_{9,311} + p_{9,247} + p_{9,415})\end{aligned}}$$

$$p_{10,293} = \frac{1}{2}p_{9,293} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,293}^2 - 4(p_{9,384} + 2p_{9,360} + 2p_{9,380} + p_{9,170} + p_{9,58}\\&+ 2p_{9,378} + p_{9,6} + p_{9,406} + p_{9,398} + p_{9,129} + p_{9,401} + p_{9,49}\\&+ p_{9,341} + p_{9,373} + p_{9,245} + p_{9,13} + p_{9,333} + p_{9,61} + p_{9,83}\\&+ p_{9,211} + 2p_{9,467} + 2p_{9,427} + 2p_{9,231} + p_{9,55} + p_{9,503} + p_{9,159})\end{aligned}}$$

$$p_{10,805} = \frac{1}{2}p_{9,293} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,293}^2 - 4(p_{9,384} + 2p_{9,360} + 2p_{9,380} + p_{9,170} + p_{9,58}\\&+ 2p_{9,378} + p_{9,6} + p_{9,406} + p_{9,398} + p_{9,129} + p_{9,401} + p_{9,49}\\&+ p_{9,341} + p_{9,373} + p_{9,245} + p_{9,13} + p_{9,333} + p_{9,61} + p_{9,83}\\&+ p_{9,211} + 2p_{9,467} + 2p_{9,427} + 2p_{9,231} + p_{9,55} + p_{9,503} + p_{9,159})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,677} = \frac{1}{2}p_{9,165} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,165}^2 - 4(p_{9,256} + 2p_{9,232} + 2p_{9,252} + p_{9,42} + p_{9,442}\\&+ 2p_{9,250} + p_{9,390} + p_{9,278} + p_{9,270} + p_{9,1} + p_{9,273} + p_{9,433}\\&+ p_{9,213} + p_{9,117} + p_{9,245} + p_{9,397} + p_{9,205} + p_{9,445} + p_{9,83}\\&+ 2p_{9,339} + p_{9,467} + 2p_{9,299} + 2p_{9,103} + p_{9,439} + p_{9,375} + p_{9,31})\end{aligned}}$$

$$p_{10,421} = \frac{1}{2}p_{9,421} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,421}^2 - 4(p_{9,0} + 2p_{9,488} + 2p_{9,508} + p_{9,298} + p_{9,186}\\&+ 2p_{9,506} + p_{9,134} + p_{9,22} + p_{9,14} + p_{9,257} + p_{9,17} + p_{9,177}\\&+ p_{9,469} + p_{9,373} + p_{9,501} + p_{9,141} + p_{9,461} + p_{9,189} + 2p_{9,83}\\&+ p_{9,339} + p_{9,211} + 2p_{9,43} + 2p_{9,359} + p_{9,183} + p_{9,119} + p_{9,287})\end{aligned}}$$

$$p_{10,933} = \frac{1}{2}p_{9,421} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,421}^2 - 4(p_{9,0} + 2p_{9,488} + 2p_{9,508} + p_{9,298} + p_{9,186}\\&+ 2p_{9,506} + p_{9,134} + p_{9,22} + p_{9,14} + p_{9,257} + p_{9,17} + p_{9,177}\\&+ p_{9,469} + p_{9,373} + p_{9,501} + p_{9,141} + p_{9,461} + p_{9,189} + 2p_{9,83}\\&+ p_{9,339} + p_{9,211} + 2p_{9,43} + 2p_{9,359} + p_{9,183} + p_{9,119} + p_{9,287})\end{aligned}}$$

2 unreferenced roots were skipped

$$p_{10,357} = \frac{1}{2}p_{9,357} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,357}^2 - 4(p_{9,448} + 2p_{9,424} + 2p_{9,444} + p_{9,234} + 2p_{9,442}\\&+ p_{9,122} + p_{9,70} + p_{9,470} + p_{9,462} + p_{9,193} + p_{9,465} + p_{9,113}\\&+ p_{9,405} + p_{9,309} + p_{9,437} + p_{9,397} + p_{9,77} + p_{9,125} + 2p_{9,19}\\&+ p_{9,275} + p_{9,147} + 2p_{9,491} + 2p_{9,295} + p_{9,55} + p_{9,119} + p_{9,223})\end{aligned}}$$

$$p_{10,869} = \frac{1}{2}p_{9,357} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,357}^2 - 4(p_{9,448} + 2p_{9,424} + 2p_{9,444} + p_{9,234} + 2p_{9,442}\\&+ p_{9,122} + p_{9,70} + p_{9,470} + p_{9,462} + p_{9,193} + p_{9,465} + p_{9,113}\\&+ p_{9,405} + p_{9,309} + p_{9,437} + p_{9,397} + p_{9,77} + p_{9,125} + 2p_{9,19}\\&+ p_{9,275} + p_{9,147} + 2p_{9,491} + 2p_{9,295} + p_{9,55} + p_{9,119} + p_{9,223})\end{aligned}}$$

$$p_{10,229} = \frac{1}{2}p_{9,229} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,229}^2 - 4(p_{9,320} + 2p_{9,296} + 2p_{9,316} + p_{9,106} + 2p_{9,314}\\&+ p_{9,506} + p_{9,454} + p_{9,342} + p_{9,334} + p_{9,65} + p_{9,337} + p_{9,497}\\&+ p_{9,277} + p_{9,309} + p_{9,181} + p_{9,269} + p_{9,461} + p_{9,509} + p_{9,19}\\&+ p_{9,147} + 2p_{9,403} + 2p_{9,363} + 2p_{9,167} + p_{9,439} + p_{9,503} + p_{9,95})\end{aligned}}$$

$$p_{10,741} = \frac{1}{2}p_{9,229} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,229}^2 - 4(p_{9,320} + 2p_{9,296} + 2p_{9,316} + p_{9,106} + 2p_{9,314}\\&+ p_{9,506} + p_{9,454} + p_{9,342} + p_{9,334} + p_{9,65} + p_{9,337} + p_{9,497}\\&+ p_{9,277} + p_{9,309} + p_{9,181} + p_{9,269} + p_{9,461} + p_{9,509} + p_{9,19}\\&+ p_{9,147} + 2p_{9,403} + 2p_{9,363} + 2p_{9,167} + p_{9,439} + p_{9,503} + p_{9,95})\end{aligned}}$$

$$p_{10,485} = \frac{1}{2}p_{9,485} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,485}^2 - 4(p_{9,64} + 2p_{9,40} + 2p_{9,60} + p_{9,362} + 2p_{9,58}\\&+ p_{9,250} + p_{9,198} + p_{9,86} + p_{9,78} + p_{9,321} + p_{9,81} + p_{9,241}\\&+ p_{9,21} + p_{9,53} + p_{9,437} + p_{9,13} + p_{9,205} + p_{9,253} + p_{9,275}\\&+ 2p_{9,147} + p_{9,403} + 2p_{9,107} + 2p_{9,423} + p_{9,183} + p_{9,247} + p_{9,351})\end{aligned}}$$

$$p_{10,997} = \frac{1}{2}p_{9,485} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,485}^2 - 4(p_{9,64} + 2p_{9,40} + 2p_{9,60} + p_{9,362} + 2p_{9,58}\\&+ p_{9,250} + p_{9,198} + p_{9,86} + p_{9,78} + p_{9,321} + p_{9,81} + p_{9,241}\\&+ p_{9,21} + p_{9,53} + p_{9,437} + p_{9,13} + p_{9,205} + p_{9,253} + p_{9,275}\\&+ 2p_{9,147} + p_{9,403} + 2p_{9,107} + 2p_{9,423} + p_{9,183} + p_{9,247} + p_{9,351})\end{aligned}}$$

$$p_{10,21} = \frac{1}{2}p_{9,21} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,21}^2 - 4(p_{9,112} + 2p_{9,88} + 2p_{9,108} + p_{9,298} + 2p_{9,106}\\&+ p_{9,410} + p_{9,134} + p_{9,246} + p_{9,126} + p_{9,129} + p_{9,289} + p_{9,369}\\&+ p_{9,69} + p_{9,101} + p_{9,485} + p_{9,301} + p_{9,61} + p_{9,253} + p_{9,323}\\&+ 2p_{9,195} + p_{9,451} + 2p_{9,155} + p_{9,295} + p_{9,231} + 2p_{9,471} + p_{9,399})\end{aligned}}$$

$$p_{10,533} = \frac{1}{2}p_{9,21} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,21}^2 - 4(p_{9,112} + 2p_{9,88} + 2p_{9,108} + p_{9,298} + 2p_{9,106}\\&+ p_{9,410} + p_{9,134} + p_{9,246} + p_{9,126} + p_{9,129} + p_{9,289} + p_{9,369}\\&+ p_{9,69} + p_{9,101} + p_{9,485} + p_{9,301} + p_{9,61} + p_{9,253} + p_{9,323}\\&+ 2p_{9,195} + p_{9,451} + 2p_{9,155} + p_{9,295} + p_{9,231} + 2p_{9,471} + p_{9,399})\end{aligned}}$$

$$p_{10,277} = \frac{1}{2}p_{9,277} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,277}^2 - 4(p_{9,368} + 2p_{9,344} + 2p_{9,364} + p_{9,42} + 2p_{9,362}\\&+ p_{9,154} + p_{9,390} + p_{9,502} + p_{9,382} + p_{9,385} + p_{9,33} + p_{9,113}\\&+ p_{9,325} + p_{9,357} + p_{9,229} + p_{9,45} + p_{9,317} + p_{9,509} + p_{9,67}\\&+ p_{9,195} + 2p_{9,451} + 2p_{9,411} + p_{9,39} + p_{9,487} + 2p_{9,215} + p_{9,143})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,149} = \frac{1}{2}p_{9,149} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,149}^2 - 4(p_{9,240} + 2p_{9,216} + 2p_{9,236} + p_{9,426} + 2p_{9,234}\\&+ p_{9,26} + p_{9,262} + p_{9,374} + p_{9,254} + p_{9,257} + p_{9,417} + p_{9,497}\\&+ p_{9,197} + p_{9,101} + p_{9,229} + p_{9,429} + p_{9,189} + p_{9,381} + p_{9,67}\\&+ 2p_{9,323} + p_{9,451} + 2p_{9,283} + p_{9,423} + p_{9,359} + 2p_{9,87} + p_{9,15})\end{aligned}}$$

$$p_{10,661} = \frac{1}{2}p_{9,149} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,149}^2 - 4(p_{9,240} + 2p_{9,216} + 2p_{9,236} + p_{9,426} + 2p_{9,234}\\&+ p_{9,26} + p_{9,262} + p_{9,374} + p_{9,254} + p_{9,257} + p_{9,417} + p_{9,497}\\&+ p_{9,197} + p_{9,101} + p_{9,229} + p_{9,429} + p_{9,189} + p_{9,381} + p_{9,67}\\&+ 2p_{9,323} + p_{9,451} + 2p_{9,283} + p_{9,423} + p_{9,359} + 2p_{9,87} + p_{9,15})\end{aligned}}$$

$$p_{10,405} = \frac{1}{2}p_{9,405} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,405}^2 - 4(p_{9,496} + 2p_{9,472} + 2p_{9,492} + p_{9,170} + 2p_{9,490}\\&+ p_{9,282} + p_{9,6} + p_{9,118} + p_{9,510} + p_{9,1} + p_{9,161} + p_{9,241} + p_{9,453}\\&+ p_{9,357} + p_{9,485} + p_{9,173} + p_{9,445} + p_{9,125} + 2p_{9,67} + p_{9,323}\\&+ p_{9,195} + 2p_{9,27} + p_{9,167} + p_{9,103} + 2p_{9,343} + p_{9,271})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,85} = \frac{1}{2}p_{9,85} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,85}^2 - 4(p_{9,176} + 2p_{9,152} + 2p_{9,172} + 2p_{9,170} + p_{9,362}\\&+ p_{9,474} + p_{9,198} + p_{9,310} + p_{9,190} + p_{9,193} + p_{9,353} + p_{9,433}\\&+ p_{9,133} + p_{9,37} + p_{9,165} + p_{9,365} + p_{9,317} + p_{9,125} + p_{9,3}\\&+ 2p_{9,259} + p_{9,387} + 2p_{9,219} + p_{9,295} + p_{9,359} + 2p_{9,23} + p_{9,463})\end{aligned}}$$

$$p_{10,597} = \frac{1}{2}p_{9,85} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,85}^2 - 4(p_{9,176} + 2p_{9,152} + 2p_{9,172} + 2p_{9,170} + p_{9,362}\\&+ p_{9,474} + p_{9,198} + p_{9,310} + p_{9,190} + p_{9,193} + p_{9,353} + p_{9,433}\\&+ p_{9,133} + p_{9,37} + p_{9,165} + p_{9,365} + p_{9,317} + p_{9,125} + p_{9,3}\\&+ 2p_{9,259} + p_{9,387} + 2p_{9,219} + p_{9,295} + p_{9,359} + 2p_{9,23} + p_{9,463})\end{aligned}}$$

$$p_{10,341} = \frac{1}{2}p_{9,341} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,341}^2 - 4(p_{9,432} + 2p_{9,408} + 2p_{9,428} + 2p_{9,426} + p_{9,106}\\&+ p_{9,218} + p_{9,454} + p_{9,54} + p_{9,446} + p_{9,449} + p_{9,97} + p_{9,177}\\&+ p_{9,389} + p_{9,293} + p_{9,421} + p_{9,109} + p_{9,61} + p_{9,381} + 2p_{9,3}\\&+ p_{9,259} + p_{9,131} + 2p_{9,475} + p_{9,39} + p_{9,103} + 2p_{9,279} + p_{9,207})\end{aligned}}$$

$$p_{10,853} = \frac{1}{2}p_{9,341} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,341}^2 - 4(p_{9,432} + 2p_{9,408} + 2p_{9,428} + 2p_{9,426} + p_{9,106}\\&+ p_{9,218} + p_{9,454} + p_{9,54} + p_{9,446} + p_{9,449} + p_{9,97} + p_{9,177}\\&+ p_{9,389} + p_{9,293} + p_{9,421} + p_{9,109} + p_{9,61} + p_{9,381} + 2p_{9,3}\\&+ p_{9,259} + p_{9,131} + 2p_{9,475} + p_{9,39} + p_{9,103} + 2p_{9,279} + p_{9,207})\end{aligned}}$$

$$p_{10,213} = \frac{1}{2}p_{9,213} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,213}^2 - 4(p_{9,304} + 2p_{9,280} + 2p_{9,300} + 2p_{9,298} + p_{9,490}\\&+ p_{9,90} + p_{9,326} + p_{9,438} + p_{9,318} + p_{9,321} + p_{9,481} + p_{9,49}\\&+ p_{9,261} + p_{9,293} + p_{9,165} + p_{9,493} + p_{9,445} + p_{9,253} + p_{9,3}\\&+ p_{9,131} + 2p_{9,387} + 2p_{9,347} + p_{9,423} + p_{9,487} + 2p_{9,151} + p_{9,79})\end{aligned}}$$

3 unreferenced roots were skipped

$$p_{10,53} = \frac{1}{2}p_{9,53} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,53}^2 - 4(p_{9,144} + 2p_{9,120} + 2p_{9,140} + 2p_{9,138} + p_{9,330}\\&+ p_{9,442} + p_{9,166} + p_{9,278} + p_{9,158} + p_{9,321} + p_{9,161} + p_{9,401}\\&+ p_{9,5} + p_{9,133} + p_{9,101} + p_{9,333} + p_{9,285} + p_{9,93} + p_{9,355}\\&+ 2p_{9,227} + p_{9,483} + 2p_{9,187} + p_{9,263} + p_{9,327} + 2p_{9,503} + p_{9,431})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,309} = \frac{1}{2}p_{9,309} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,309}^2 - 4(p_{9,400} + 2p_{9,376} + 2p_{9,396} + 2p_{9,394} + p_{9,74}\\&+ p_{9,186} + p_{9,422} + p_{9,22} + p_{9,414} + p_{9,65} + p_{9,417} + p_{9,145}\\&+ p_{9,261} + p_{9,389} + p_{9,357} + p_{9,77} + p_{9,29} + p_{9,349} + p_{9,99}\\&+ p_{9,227} + 2p_{9,483} + 2p_{9,443} + p_{9,7} + p_{9,71} + 2p_{9,247} + p_{9,175})\end{aligned}}$$

$$p_{10,821} = \frac{1}{2}p_{9,309} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,309}^2 - 4(p_{9,400} + 2p_{9,376} + 2p_{9,396} + 2p_{9,394} + p_{9,74}\\&+ p_{9,186} + p_{9,422} + p_{9,22} + p_{9,414} + p_{9,65} + p_{9,417} + p_{9,145}\\&+ p_{9,261} + p_{9,389} + p_{9,357} + p_{9,77} + p_{9,29} + p_{9,349} + p_{9,99}\\&+ p_{9,227} + 2p_{9,483} + 2p_{9,443} + p_{9,7} + p_{9,71} + 2p_{9,247} + p_{9,175})\end{aligned}}$$

$$p_{10,181} = \frac{1}{2}p_{9,181} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,181}^2 - 4(p_{9,272} + 2p_{9,248} + 2p_{9,268} + 2p_{9,266} + p_{9,458}\\&+ p_{9,58} + p_{9,294} + p_{9,406} + p_{9,286} + p_{9,449} + p_{9,289} + p_{9,17}\\&+ p_{9,261} + p_{9,133} + p_{9,229} + p_{9,461} + p_{9,413} + p_{9,221} + p_{9,99}\\&+ 2p_{9,355} + p_{9,483} + 2p_{9,315} + p_{9,391} + p_{9,455} + 2p_{9,119} + p_{9,47})\end{aligned}}$$

$$p_{10,693} = \frac{1}{2}p_{9,181} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,181}^2 - 4(p_{9,272} + 2p_{9,248} + 2p_{9,268} + 2p_{9,266} + p_{9,458}\\&+ p_{9,58} + p_{9,294} + p_{9,406} + p_{9,286} + p_{9,449} + p_{9,289} + p_{9,17}\\&+ p_{9,261} + p_{9,133} + p_{9,229} + p_{9,461} + p_{9,413} + p_{9,221} + p_{9,99}\\&+ 2p_{9,355} + p_{9,483} + 2p_{9,315} + p_{9,391} + p_{9,455} + 2p_{9,119} + p_{9,47})\end{aligned}}$$

$$p_{10,437} = \frac{1}{2}p_{9,437} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,437}^2 - 4(p_{9,16} + 2p_{9,504} + 2p_{9,12} + 2p_{9,10} + p_{9,202}\\&+ p_{9,314} + p_{9,38} + p_{9,150} + p_{9,30} + p_{9,193} + p_{9,33} + p_{9,273} + p_{9,5}\\&+ p_{9,389} + p_{9,485} + p_{9,205} + p_{9,157} + p_{9,477} + 2p_{9,99} + p_{9,355}\\&+ p_{9,227} + 2p_{9,59} + p_{9,135} + p_{9,199} + 2p_{9,375} + p_{9,303})\end{aligned}}$$

$$p_{10,949} = \frac{1}{2}p_{9,437} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,437}^2 - 4(p_{9,16} + 2p_{9,504} + 2p_{9,12} + 2p_{9,10} + p_{9,202}\\&+ p_{9,314} + p_{9,38} + p_{9,150} + p_{9,30} + p_{9,193} + p_{9,33} + p_{9,273} + p_{9,5}\\&+ p_{9,389} + p_{9,485} + p_{9,205} + p_{9,157} + p_{9,477} + 2p_{9,99} + p_{9,355}\\&+ p_{9,227} + 2p_{9,59} + p_{9,135} + p_{9,199} + 2p_{9,375} + p_{9,303})\end{aligned}}$$

$$p_{10,117} = \frac{1}{2}p_{9,117} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,117}^2 - 4(p_{9,208} + 2p_{9,184} + 2p_{9,204} + p_{9,394} + 2p_{9,202}\\ &+ p_{9,506} + p_{9,230} + p_{9,342} + p_{9,222} + p_{9,385} + p_{9,225} + p_{9,465}\\ &+ p_{9,69} + p_{9,197} + p_{9,165} + p_{9,397} + p_{9,157} + p_{9,349} + p_{9,35}\\ &+ 2p_{9,291} + p_{9,419} + 2p_{9,251} + p_{9,391} + p_{9,327} + 2p_{9,55} + p_{9,495})\end{aligned}}$$

$$p_{10,629} = \frac{1}{2}p_{9,117} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,117}^2 - 4(p_{9,208} + 2p_{9,184} + 2p_{9,204} + p_{9,394} + 2p_{9,202}\\ &+ p_{9,506} + p_{9,230} + p_{9,342} + p_{9,222} + p_{9,385} + p_{9,225} + p_{9,465}\\ &+ p_{9,69} + p_{9,197} + p_{9,165} + p_{9,397} + p_{9,157} + p_{9,349} + p_{9,35}\\ &+ 2p_{9,291} + p_{9,419} + 2p_{9,251} + p_{9,391} + p_{9,327} + 2p_{9,55} + p_{9,495})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,885} = \frac{1}{2}p_{9,373} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,373}^2 - 4(p_{9,464} + 2p_{9,440} + 2p_{9,460} + p_{9,138} + 2p_{9,458}\\ &+ p_{9,250} + p_{9,486} + p_{9,86} + p_{9,478} + p_{9,129} + p_{9,481} + p_{9,209}\\ &+ p_{9,325} + p_{9,453} + p_{9,421} + p_{9,141} + p_{9,413} + p_{9,93} + 2p_{9,35}\\ &+ p_{9,291} + p_{9,163} + 2p_{9,507} + p_{9,135} + p_{9,71} + 2p_{9,311} + p_{9,239})\end{aligned}}$$

$$p_{10,245} = \frac{1}{2}p_{9,245} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,245}^2 - 4(p_{9,336} + 2p_{9,312} + 2p_{9,332} + p_{9,10} + 2p_{9,330}\\ &+ p_{9,122} + p_{9,358} + p_{9,470} + p_{9,350} + p_{9,1} + p_{9,353} + p_{9,81}\\ &+ p_{9,325} + p_{9,197} + p_{9,293} + p_{9,13} + p_{9,285} + p_{9,477} + p_{9,35}\\ &+ p_{9,163} + 2p_{9,419} + 2p_{9,379} + p_{9,7} + p_{9,455} + 2p_{9,183} + p_{9,111})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,501} = \frac{1}{2}p_{9,501} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,501}^2 - 4(p_{9,80} + 2p_{9,56} + 2p_{9,76} + p_{9,266} + 2p_{9,74}\\ &+ p_{9,378} + p_{9,102} + p_{9,214} + p_{9,94} + p_{9,257} + p_{9,97} + p_{9,337}\\ &+ p_{9,69} + p_{9,453} + p_{9,37} + p_{9,269} + p_{9,29} + p_{9,221} + p_{9,291}\\ &+ 2p_{9,163} + p_{9,419} + 2p_{9,123} + p_{9,263} + p_{9,199} + 2p_{9,439} + p_{9,367})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,13} = \frac{1}{2}p_{9,13} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,13}^2 - 4(2p_{9,80} + p_{9,104} + 2p_{9,100} + p_{9,290} + 2p_{9,98}\\ &+ p_{9,402} + p_{9,118} + p_{9,238} + p_{9,126} + p_{9,361} + p_{9,281} + p_{9,121}\\ &+ p_{9,293} + p_{9,53} + p_{9,245} + p_{9,93} + p_{9,477} + p_{9,61} + 2p_{9,147}\\ &+ p_{9,315} + 2p_{9,187} + p_{9,443} + p_{9,391} + 2p_{9,463} + p_{9,287} + p_{9,223})\end{aligned}}$$

$$p_{10,525} = \frac{1}{2}p_{9,13} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,13}^2 - 4(2p_{9,80} + p_{9,104} + 2p_{9,100} + p_{9,290} + 2p_{9,98}\\ &+ p_{9,402} + p_{9,118} + p_{9,238} + p_{9,126} + p_{9,361} + p_{9,281} + p_{9,121}\\ &+ p_{9,293} + p_{9,53} + p_{9,245} + p_{9,93} + p_{9,477} + p_{9,61} + 2p_{9,147}\\ &+ p_{9,315} + 2p_{9,187} + p_{9,443} + p_{9,391} + 2p_{9,463} + p_{9,287} + p_{9,223})\end{aligned}}$$

$$p_{10,269} = \frac{1}{2}p_{9,269} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,269}^2 - 4(2p_{9,336} + p_{9,360} + 2p_{9,356} + p_{9,34} + 2p_{9,354}\\ &+ p_{9,146} + p_{9,374} + p_{9,494} + p_{9,382} + p_{9,105} + p_{9,25} + p_{9,377}\\ &+ p_{9,37} + p_{9,309} + p_{9,501} + p_{9,349} + p_{9,221} + p_{9,317} + 2p_{9,403}\\ &+ p_{9,59} + p_{9,187} + 2p_{9,443} + p_{9,135} + 2p_{9,207} + p_{9,31} + p_{9,479})\end{aligned}}$$

$$p_{10,781} = \frac{1}{2}p_{9,269} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,269}^2 - 4(2p_{9,336} + p_{9,360} + 2p_{9,356} + p_{9,34} + 2p_{9,354}\\&+ p_{9,146} + p_{9,374} + p_{9,494} + p_{9,382} + p_{9,105} + p_{9,25} + p_{9,377}\\&+ p_{9,37} + p_{9,309} + p_{9,501} + p_{9,349} + p_{9,221} + p_{9,317} + 2p_{9,403}\\&+ p_{9,59} + p_{9,187} + 2p_{9,443} + p_{9,135} + 2p_{9,207} + p_{9,31} + p_{9,479})\end{aligned}}$$

$$p_{10,141} = \frac{1}{2}p_{9,141} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,141}^2 - 4(2p_{9,208} + p_{9,232} + 2p_{9,228} + p_{9,418} + 2p_{9,226}\\&+ p_{9,18} + p_{9,246} + p_{9,366} + p_{9,254} + p_{9,489} + p_{9,409} + p_{9,249}\\&+ p_{9,421} + p_{9,181} + p_{9,373} + p_{9,93} + p_{9,221} + p_{9,189} + 2p_{9,275}\\&+ p_{9,59} + 2p_{9,315} + p_{9,443} + p_{9,7} + 2p_{9,79} + p_{9,415} + p_{9,351})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,397} = \frac{1}{2}p_{9,397} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,397}^2 - 4(2p_{9,464} + p_{9,488} + 2p_{9,484} + p_{9,162} + 2p_{9,482}\\&+ p_{9,274} + p_{9,502} + p_{9,110} + p_{9,510} + p_{9,233} + p_{9,153} + p_{9,505}\\&+ p_{9,165} + p_{9,437} + p_{9,117} + p_{9,349} + p_{9,477} + p_{9,445} + 2p_{9,19}\\&+ 2p_{9,59} + p_{9,315} + p_{9,187} + p_{9,263} + 2p_{9,335} + p_{9,159} + p_{9,95})\end{aligned}}$$

$$p_{10,909} = \frac{1}{2}p_{9,397} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,397}^2 - 4(2p_{9,464} + p_{9,488} + 2p_{9,484} + p_{9,162} + 2p_{9,482}\\&+ p_{9,274} + p_{9,502} + p_{9,110} + p_{9,510} + p_{9,233} + p_{9,153} + p_{9,505}\\&+ p_{9,165} + p_{9,437} + p_{9,117} + p_{9,349} + p_{9,477} + p_{9,445} + 2p_{9,19}\\&+ 2p_{9,59} + p_{9,315} + p_{9,187} + p_{9,263} + 2p_{9,335} + p_{9,159} + p_{9,95})\end{aligned}}$$

$$p_{10,77} = \frac{1}{2}p_{9,77} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,77}^2 - 4(2p_{9,144} + p_{9,168} + 2p_{9,164} + 2p_{9,162} + p_{9,354}\\&+ p_{9,466} + p_{9,182} + p_{9,302} + p_{9,190} + p_{9,425} + p_{9,345} + p_{9,185}\\&+ p_{9,357} + p_{9,309} + p_{9,117} + p_{9,29} + p_{9,157} + p_{9,125} + 2p_{9,211}\\&+ p_{9,379} + 2p_{9,251} + p_{9,507} + p_{9,455} + 2p_{9,15} + p_{9,287} + p_{9,351})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,333} = \frac{1}{2}p_{9,333} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,333}^2 - 4(2p_{9,400} + p_{9,424} + 2p_{9,420} + 2p_{9,418} + p_{9,98}\\&+ p_{9,210} + p_{9,438} + p_{9,46} + p_{9,446} + p_{9,169} + p_{9,89} + p_{9,441}\\&+ p_{9,101} + p_{9,53} + p_{9,373} + p_{9,285} + p_{9,413} + p_{9,381} + 2p_{9,467}\\&+ p_{9,123} + p_{9,251} + 2p_{9,507} + p_{9,199} + 2p_{9,271} + p_{9,31} + p_{9,95})\end{aligned}}$$

$$p_{10,845} = \frac{1}{2}p_{9,333} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,333}^2 - 4(2p_{9,400} + p_{9,424} + 2p_{9,420} + 2p_{9,418} + p_{9,98}\\&+ p_{9,210} + p_{9,438} + p_{9,46} + p_{9,446} + p_{9,169} + p_{9,89} + p_{9,441}\\&+ p_{9,101} + p_{9,53} + p_{9,373} + p_{9,285} + p_{9,413} + p_{9,381} + 2p_{9,467}\\&+ p_{9,123} + p_{9,251} + 2p_{9,507} + p_{9,199} + 2p_{9,271} + p_{9,31} + p_{9,95})\end{aligned}}$$

$$p_{10,205} = \frac{1}{2}p_{9,205} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,205}^2 - 4(2p_{9,272} + p_{9,296} + 2p_{9,292} + 2p_{9,290} + p_{9,482}\\&+ p_{9,82} + p_{9,310} + p_{9,430} + p_{9,318} + p_{9,41} + p_{9,473} + p_{9,313}\\&+ p_{9,485} + p_{9,437} + p_{9,245} + p_{9,285} + p_{9,157} + p_{9,253} + 2p_{9,339}\\&+ p_{9,123} + 2p_{9,379} + p_{9,507} + p_{9,71} + 2p_{9,143} + p_{9,415} + p_{9,479})\end{aligned}}$$

$$p_{10,717} = \frac{1}{2}p_{9,205} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,205}^2 - 4(2p_{9,272} + p_{9,296} + 2p_{9,292} + 2p_{9,290} + p_{9,482}\\&+ p_{9,82} + p_{9,310} + p_{9,430} + p_{9,318} + p_{9,41} + p_{9,473} + p_{9,313}\\&+ p_{9,485} + p_{9,437} + p_{9,245} + p_{9,285} + p_{9,157} + p_{9,253} + 2p_{9,339}\\&+ p_{9,123} + 2p_{9,379} + p_{9,507} + p_{9,71} + 2p_{9,143} + p_{9,415} + p_{9,479})\end{aligned}}$$

$$p_{10,461} = \frac{1}{2}p_{9,461} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,461}^2 - 4(2p_{9,16} + p_{9,40} + 2p_{9,36} + 2p_{9,34} + p_{9,226}\\&+ p_{9,338} + p_{9,54} + p_{9,174} + p_{9,62} + p_{9,297} + p_{9,217} + p_{9,57}\\&+ p_{9,229} + p_{9,181} + p_{9,501} + p_{9,29} + p_{9,413} + p_{9,509} + 2p_{9,83}\\&+ 2p_{9,123} + p_{9,379} + p_{9,251} + p_{9,327} + 2p_{9,399} + p_{9,159} + p_{9,223})\end{aligned}}$$

$$p_{10,973} = \frac{1}{2}p_{9,461} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,461}^2 - 4(2p_{9,16} + p_{9,40} + 2p_{9,36} + 2p_{9,34} + p_{9,226}\\&+ p_{9,338} + p_{9,54} + p_{9,174} + p_{9,62} + p_{9,297} + p_{9,217} + p_{9,57}\\&+ p_{9,229} + p_{9,181} + p_{9,501} + p_{9,29} + p_{9,413} + p_{9,509} + 2p_{9,83}\\&+ 2p_{9,123} + p_{9,379} + p_{9,251} + p_{9,327} + 2p_{9,399} + p_{9,159} + p_{9,223})\end{aligned}}$$

2 unreferenced roots were skipped

$$p_{10,301} = \frac{1}{2}p_{9,301} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,301}^2 - 4(2p_{9,368} + p_{9,392} + 2p_{9,388} + 2p_{9,386} + p_{9,66}\\&+ p_{9,178} + p_{9,406} + p_{9,14} + p_{9,414} + p_{9,137} + p_{9,409} + p_{9,57}\\&+ p_{9,69} + p_{9,21} + p_{9,341} + p_{9,349} + p_{9,381} + p_{9,253} + 2p_{9,435}\\&+ p_{9,91} + p_{9,219} + 2p_{9,475} + p_{9,167} + 2p_{9,239} + p_{9,63} + p_{9,511})\end{aligned}}$$

$$p_{10,813} = \frac{1}{2}p_{9,301} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,301}^2 - 4(2p_{9,368} + p_{9,392} + 2p_{9,388} + 2p_{9,386} + p_{9,66}\\&+ p_{9,178} + p_{9,406} + p_{9,14} + p_{9,414} + p_{9,137} + p_{9,409} + p_{9,57}\\&+ p_{9,69} + p_{9,21} + p_{9,341} + p_{9,349} + p_{9,381} + p_{9,253} + 2p_{9,435}\\&+ p_{9,91} + p_{9,219} + 2p_{9,475} + p_{9,167} + 2p_{9,239} + p_{9,63} + p_{9,511})\end{aligned}}$$

$$p_{10,173} = \frac{1}{2}p_{9,173} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,173}^2 - 4(2p_{9,240} + p_{9,264} + 2p_{9,260} + 2p_{9,258} + p_{9,450}\\&+ p_{9,50} + p_{9,278} + p_{9,398} + p_{9,286} + p_{9,9} + p_{9,281} + p_{9,441}\\&+ p_{9,453} + p_{9,405} + p_{9,213} + p_{9,221} + p_{9,125} + p_{9,253} + 2p_{9,307}\\&+ p_{9,91} + 2p_{9,347} + p_{9,475} + p_{9,39} + 2p_{9,111} + p_{9,447} + p_{9,383})\end{aligned}}$$

$$p_{10,685} = \frac{1}{2}p_{9,173} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,173}^2 - 4(2p_{9,240} + p_{9,264} + 2p_{9,260} + 2p_{9,258} + p_{9,450}\\&+ p_{9,50} + p_{9,278} + p_{9,398} + p_{9,286} + p_{9,9} + p_{9,281} + p_{9,441}\\&+ p_{9,453} + p_{9,405} + p_{9,213} + p_{9,221} + p_{9,125} + p_{9,253} + 2p_{9,307}\\&+ p_{9,91} + 2p_{9,347} + p_{9,475} + p_{9,39} + 2p_{9,111} + p_{9,447} + p_{9,383})\end{aligned}}$$

$$p_{10,429} = \frac{1}{2}p_{9,429} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,429}^2 - 4(2p_{9,496} + p_{9,8} + 2p_{9,4} + 2p_{9,2} + p_{9,194}\\&+ p_{9,306} + p_{9,22} + p_{9,142} + p_{9,30} + p_{9,265} + p_{9,25} + p_{9,185}\\&+ p_{9,197} + p_{9,149} + p_{9,469} + p_{9,477} + p_{9,381} + p_{9,509} + 2p_{9,51}\\&+ 2p_{9,91} + p_{9,347} + p_{9,219} + p_{9,295} + 2p_{9,367} + p_{9,191} + p_{9,127})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,109} = \frac{1}{2}p_{9,109} - \frac{1}{2}\sqrt{\begin{array}{l} p_{9,109}^2 - 4(2p_{9,176} + p_{9,200} + 2p_{9,196} + p_{9,386} + 2p_{9,194} \\ + p_{9,498} + p_{9,214} + p_{9,334} + p_{9,222} + p_{9,457} + p_{9,217} + p_{9,377} \\ + p_{9,389} + p_{9,149} + p_{9,341} + p_{9,157} + p_{9,61} + p_{9,189} + 2p_{9,243} \\ + p_{9,27} + 2p_{9,283} + p_{9,411} + p_{9,487} + 2p_{9,47} + p_{9,319} + p_{9,383}) \end{array}}$$

2 unreferenced roots were skipped

$$p_{10,877} = \frac{1}{2}p_{9,365} - \frac{1}{2}\sqrt{\begin{array}{l} p_{9,365}^2 - 4(2p_{9,432} + p_{9,456} + 2p_{9,452} + p_{9,130} + 2p_{9,450} \\ + p_{9,242} + p_{9,470} + p_{9,78} + p_{9,478} + p_{9,201} + p_{9,473} + p_{9,121} \\ + p_{9,133} + p_{9,405} + p_{9,85} + p_{9,413} + p_{9,317} + p_{9,445} + 2p_{9,499} \\ + 2p_{9,27} + p_{9,283} + p_{9,155} + p_{9,231} + 2p_{9,303} + p_{9,63} + p_{9,127}) \end{array}}$$

$$p_{10,237} = \frac{1}{2}p_{9,237} + \frac{1}{2}\sqrt{\begin{array}{l} p_{9,237}^2 - 4(2p_{9,304} + p_{9,328} + 2p_{9,324} + p_{9,2} + 2p_{9,322} \\ + p_{9,114} + p_{9,342} + p_{9,462} + p_{9,350} + p_{9,73} + p_{9,345} + p_{9,505} \\ + p_{9,5} + p_{9,277} + p_{9,469} + p_{9,285} + p_{9,317} + p_{9,189} + 2p_{9,371} \\ + p_{9,27} + p_{9,155} + 2p_{9,411} + p_{9,103} + 2p_{9,175} + p_{9,447} + p_{9,511}) \end{array}}$$

$$p_{10,749} = \frac{1}{2}p_{9,237} - \frac{1}{2}\sqrt{\begin{array}{l} p_{9,237}^2 - 4(2p_{9,304} + p_{9,328} + 2p_{9,324} + p_{9,2} + 2p_{9,322} \\ + p_{9,114} + p_{9,342} + p_{9,462} + p_{9,350} + p_{9,73} + p_{9,345} + p_{9,505} \\ + p_{9,5} + p_{9,277} + p_{9,469} + p_{9,285} + p_{9,317} + p_{9,189} + 2p_{9,371} \\ + p_{9,27} + p_{9,155} + 2p_{9,411} + p_{9,103} + 2p_{9,175} + p_{9,447} + p_{9,511}) \end{array}}$$

$$p_{10,493} = \frac{1}{2}p_{9,493} + \frac{1}{2}\sqrt{\begin{array}{l} p_{9,493}^2 - 4(2p_{9,48} + p_{9,72} + 2p_{9,68} + p_{9,258} + 2p_{9,66} \\ + p_{9,370} + p_{9,86} + p_{9,206} + p_{9,94} + p_{9,329} + p_{9,89} + p_{9,249} \\ + p_{9,261} + p_{9,21} + p_{9,213} + p_{9,29} + p_{9,61} + p_{9,445} + 2p_{9,115} \\ + p_{9,283} + 2p_{9,155} + p_{9,411} + p_{9,359} + 2p_{9,431} + p_{9,191} + p_{9,255}) \end{array}}$$

1 unreferenced roots were skipped

$$p_{10,29} = \frac{1}{2}p_{9,29} - \frac{1}{2}\sqrt{\begin{array}{l} p_{9,29}^2 - 4(2p_{9,96} + p_{9,120} + 2p_{9,116} + p_{9,418} + p_{9,306} \\ + 2p_{9,114} + p_{9,134} + p_{9,142} + p_{9,254} + p_{9,137} + p_{9,297} + p_{9,377} \\ + p_{9,261} + p_{9,69} + p_{9,309} + p_{9,77} + p_{9,109} + p_{9,493} + 2p_{9,163} \\ + p_{9,331} + 2p_{9,203} + p_{9,459} + p_{9,407} + p_{9,303} + p_{9,239} + 2p_{9,479}) \end{array}}$$

$$p_{10,541} = \frac{1}{2}p_{9,29} + \frac{1}{2}\sqrt{\begin{array}{l} p_{9,29}^2 - 4(2p_{9,96} + p_{9,120} + 2p_{9,116} + p_{9,418} + p_{9,306} \\ + 2p_{9,114} + p_{9,134} + p_{9,142} + p_{9,254} + p_{9,137} + p_{9,297} + p_{9,377} \\ + p_{9,261} + p_{9,69} + p_{9,309} + p_{9,77} + p_{9,109} + p_{9,493} + 2p_{9,163} \\ + p_{9,331} + 2p_{9,203} + p_{9,459} + p_{9,407} + p_{9,303} + p_{9,239} + 2p_{9,479}) \end{array}}$$

$$p_{10,285} = \frac{1}{2}p_{9,285} - \frac{1}{2}\sqrt{\begin{array}{l} p_{9,285}^2 - 4(2p_{9,352} + p_{9,376} + 2p_{9,372} + p_{9,162} + p_{9,50} \\ + 2p_{9,370} + p_{9,390} + p_{9,398} + p_{9,510} + p_{9,393} + p_{9,41} + p_{9,121} \\ + p_{9,5} + p_{9,325} + p_{9,53} + p_{9,333} + p_{9,365} + p_{9,237} + 2p_{9,419} \\ + p_{9,75} + p_{9,203} + 2p_{9,459} + p_{9,151} + p_{9,47} + p_{9,495} + 2p_{9,223}) \end{array}}$$

$$p_{10,797} = \frac{1}{2}p_{9,285} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,285}^2 - 4(2p_{9,352} + p_{9,376} + 2p_{9,372} + p_{9,162} + p_{9,50}\\&+ 2p_{9,370} + p_{9,390} + p_{9,398} + p_{9,510} + p_{9,393} + p_{9,41} + p_{9,121}\\&+ p_{9,5} + p_{9,325} + p_{9,53} + p_{9,333} + p_{9,365} + p_{9,237} + 2p_{9,419}\\&+ p_{9,75} + p_{9,203} + 2p_{9,459} + p_{9,151} + p_{9,47} + p_{9,495} + 2p_{9,223})\end{aligned}}$$

$$p_{10,157} = \frac{1}{2}p_{9,157} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,157}^2 - 4(2p_{9,224} + p_{9,248} + 2p_{9,244} + p_{9,34} + p_{9,434}\\&+ 2p_{9,242} + p_{9,262} + p_{9,270} + p_{9,382} + p_{9,265} + p_{9,425} + p_{9,505}\\&+ p_{9,389} + p_{9,197} + p_{9,437} + p_{9,205} + p_{9,109} + p_{9,237} + 2p_{9,291}\\&+ p_{9,75} + 2p_{9,331} + p_{9,459} + p_{9,23} + p_{9,431} + p_{9,367} + 2p_{9,95})\end{aligned}}$$

$$p_{10,669} = \frac{1}{2}p_{9,157} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,157}^2 - 4(2p_{9,224} + p_{9,248} + 2p_{9,244} + p_{9,34} + p_{9,434}\\&+ 2p_{9,242} + p_{9,262} + p_{9,270} + p_{9,382} + p_{9,265} + p_{9,425} + p_{9,505}\\&+ p_{9,389} + p_{9,197} + p_{9,437} + p_{9,205} + p_{9,109} + p_{9,237} + 2p_{9,291}\\&+ p_{9,75} + 2p_{9,331} + p_{9,459} + p_{9,23} + p_{9,431} + p_{9,367} + 2p_{9,95})\end{aligned}}$$

$$p_{10,413} = \frac{1}{2}p_{9,413} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,413}^2 - 4(2p_{9,480} + p_{9,504} + 2p_{9,500} + p_{9,290} + p_{9,178}\\&+ 2p_{9,498} + p_{9,6} + p_{9,14} + p_{9,126} + p_{9,9} + p_{9,169} + p_{9,249}\\&+ p_{9,133} + p_{9,453} + p_{9,181} + p_{9,461} + p_{9,365} + p_{9,493} + 2p_{9,35}\\&+ 2p_{9,75} + p_{9,331} + p_{9,203} + p_{9,279} + p_{9,175} + p_{9,111} + 2p_{9,351})\end{aligned}}$$

$$p_{10,925} = \frac{1}{2}p_{9,413} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,413}^2 - 4(2p_{9,480} + p_{9,504} + 2p_{9,500} + p_{9,290} + p_{9,178}\\&+ 2p_{9,498} + p_{9,6} + p_{9,14} + p_{9,126} + p_{9,9} + p_{9,169} + p_{9,249}\\&+ p_{9,133} + p_{9,453} + p_{9,181} + p_{9,461} + p_{9,365} + p_{9,493} + 2p_{9,35}\\&+ 2p_{9,75} + p_{9,331} + p_{9,203} + p_{9,279} + p_{9,175} + p_{9,111} + 2p_{9,351})\end{aligned}}$$

$$p_{10,93} = \frac{1}{2}p_{9,93} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,93}^2 - 4(2p_{9,160} + p_{9,184} + 2p_{9,180} + p_{9,482} + 2p_{9,178}\\&+ p_{9,370} + p_{9,198} + p_{9,206} + p_{9,318} + p_{9,201} + p_{9,361} + p_{9,441}\\&+ p_{9,133} + p_{9,325} + p_{9,373} + p_{9,141} + p_{9,45} + p_{9,173} + 2p_{9,227}\\&+ p_{9,11} + 2p_{9,267} + p_{9,395} + p_{9,471} + p_{9,303} + p_{9,367} + 2p_{9,31})\end{aligned}}$$

$$p_{10,605} = \frac{1}{2}p_{9,93} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,93}^2 - 4(2p_{9,160} + p_{9,184} + 2p_{9,180} + p_{9,482} + 2p_{9,178}\\&+ p_{9,370} + p_{9,198} + p_{9,206} + p_{9,318} + p_{9,201} + p_{9,361} + p_{9,441}\\&+ p_{9,133} + p_{9,325} + p_{9,373} + p_{9,141} + p_{9,45} + p_{9,173} + 2p_{9,227}\\&+ p_{9,11} + 2p_{9,267} + p_{9,395} + p_{9,471} + p_{9,303} + p_{9,367} + 2p_{9,31})\end{aligned}}$$

$$p_{10,349} = \frac{1}{2}p_{9,349} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,349}^2 - 4(2p_{9,416} + p_{9,440} + 2p_{9,436} + p_{9,226} + 2p_{9,434}\\&+ p_{9,114} + p_{9,454} + p_{9,462} + p_{9,62} + p_{9,457} + p_{9,105} + p_{9,185}\\&+ p_{9,389} + p_{9,69} + p_{9,117} + p_{9,397} + p_{9,301} + p_{9,429} + 2p_{9,483}\\&+ 2p_{9,11} + p_{9,267} + p_{9,139} + p_{9,215} + p_{9,47} + p_{9,111} + 2p_{9,287})\end{aligned}}$$

$$p_{10,861} = \frac{1}{2}p_{9,349} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,349}^2 - 4(2p_{9,416} + p_{9,440} + 2p_{9,436} + p_{9,226} + 2p_{9,434}\\&+ p_{9,114} + p_{9,454} + p_{9,462} + p_{9,62} + p_{9,457} + p_{9,105} + p_{9,185}\\&+ p_{9,389} + p_{9,69} + p_{9,117} + p_{9,397} + p_{9,301} + p_{9,429} + 2p_{9,483}\\&+ 2p_{9,11} + p_{9,267} + p_{9,139} + p_{9,215} + p_{9,47} + p_{9,111} + 2p_{9,287})\end{aligned}}$$

$$p_{10,221} = \frac{1}{2}p_{9,221} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,221}^2 - 4(2p_{9,288} + p_{9,312} + 2p_{9,308} + p_{9,98} + 2p_{9,306}\\&+ p_{9,498} + p_{9,326} + p_{9,334} + p_{9,446} + p_{9,329} + p_{9,489} + p_{9,57}\\&+ p_{9,261} + p_{9,453} + p_{9,501} + p_{9,269} + p_{9,301} + p_{9,173} + 2p_{9,355}\\&+ p_{9,11} + p_{9,139} + 2p_{9,395} + p_{9,87} + p_{9,431} + p_{9,495} + 2p_{9,159})\end{aligned}}$$

$$p_{10,733} = \frac{1}{2}p_{9,221} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,221}^2 - 4(2p_{9,288} + p_{9,312} + 2p_{9,308} + p_{9,98} + 2p_{9,306}\\&+ p_{9,498} + p_{9,326} + p_{9,334} + p_{9,446} + p_{9,329} + p_{9,489} + p_{9,57}\\&+ p_{9,261} + p_{9,453} + p_{9,501} + p_{9,269} + p_{9,301} + p_{9,173} + 2p_{9,355}\\&+ p_{9,11} + p_{9,139} + 2p_{9,395} + p_{9,87} + p_{9,431} + p_{9,495} + 2p_{9,159})\end{aligned}}$$

$$p_{10,477} = \frac{1}{2}p_{9,477} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,477}^2 - 4(2p_{9,32} + p_{9,56} + 2p_{9,52} + p_{9,354} + 2p_{9,50}\\&+ p_{9,242} + p_{9,70} + p_{9,78} + p_{9,190} + p_{9,73} + p_{9,233} + p_{9,313}\\&+ p_{9,5} + p_{9,197} + p_{9,245} + p_{9,13} + p_{9,45} + p_{9,429} + 2p_{9,99}\\&+ p_{9,267} + 2p_{9,139} + p_{9,395} + p_{9,343} + p_{9,175} + p_{9,239} + 2p_{9,415})\end{aligned}}$$

$$p_{10,989} = \frac{1}{2}p_{9,477} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,477}^2 - 4(2p_{9,32} + p_{9,56} + 2p_{9,52} + p_{9,354} + 2p_{9,50}\\&+ p_{9,242} + p_{9,70} + p_{9,78} + p_{9,190} + p_{9,73} + p_{9,233} + p_{9,313}\\&+ p_{9,5} + p_{9,197} + p_{9,245} + p_{9,13} + p_{9,45} + p_{9,429} + 2p_{9,99}\\&+ p_{9,267} + 2p_{9,139} + p_{9,395} + p_{9,343} + p_{9,175} + p_{9,239} + 2p_{9,415})\end{aligned}}$$

$$p_{10,61} = \frac{1}{2}p_{9,61} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,61}^2 - 4(2p_{9,128} + p_{9,152} + 2p_{9,148} + p_{9,450} + 2p_{9,146}\\&+ p_{9,338} + p_{9,166} + p_{9,174} + p_{9,286} + p_{9,329} + p_{9,169} + p_{9,409}\\&+ p_{9,293} + p_{9,101} + p_{9,341} + p_{9,13} + p_{9,141} + p_{9,109} + 2p_{9,195}\\&+ p_{9,363} + 2p_{9,235} + p_{9,491} + p_{9,439} + p_{9,271} + p_{9,335} + 2p_{9,511})\end{aligned}}$$

$$p_{10,573} = \frac{1}{2}p_{9,61} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,61}^2 - 4(2p_{9,128} + p_{9,152} + 2p_{9,148} + p_{9,450} + 2p_{9,146}\\&+ p_{9,338} + p_{9,166} + p_{9,174} + p_{9,286} + p_{9,329} + p_{9,169} + p_{9,409}\\&+ p_{9,293} + p_{9,101} + p_{9,341} + p_{9,13} + p_{9,141} + p_{9,109} + 2p_{9,195}\\&+ p_{9,363} + 2p_{9,235} + p_{9,491} + p_{9,439} + p_{9,271} + p_{9,335} + 2p_{9,511})\end{aligned}}$$

2 unreferenced roots were skipped

$$p_{10,189} = \frac{1}{2}p_{9,189} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,189}^2 - 4(2p_{9,256} + p_{9,280} + 2p_{9,276} + p_{9,66} + 2p_{9,274}\\&+ p_{9,466} + p_{9,294} + p_{9,302} + p_{9,414} + p_{9,457} + p_{9,297} + p_{9,25}\\&+ p_{9,421} + p_{9,229} + p_{9,469} + p_{9,269} + p_{9,141} + p_{9,237} + 2p_{9,323}\\&+ p_{9,107} + 2p_{9,363} + p_{9,491} + p_{9,55} + p_{9,399} + p_{9,463} + 2p_{9,127})\end{aligned}}$$

$$p_{10,701} = \frac{1}{2}p_{9,189} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,189}^2 - 4(2p_{9,256} + p_{9,280} + 2p_{9,276} + p_{9,66} + 2p_{9,274}\\&+ p_{9,466} + p_{9,294} + p_{9,302} + p_{9,414} + p_{9,457} + p_{9,297} + p_{9,25}\\&+ p_{9,421} + p_{9,229} + p_{9,469} + p_{9,269} + p_{9,141} + p_{9,237} + 2p_{9,323}\\&+ p_{9,107} + 2p_{9,363} + p_{9,491} + p_{9,55} + p_{9,399} + p_{9,463} + 2p_{9,127})\end{aligned}}$$

$$p_{10,445} = \frac{1}{2}p_{9,445} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,445}^2 - 4(2p_{9,0} + p_{9,24} + 2p_{9,20} + p_{9,322} + 2p_{9,18}\\&+ p_{9,210} + p_{9,38} + p_{9,46} + p_{9,158} + p_{9,201} + p_{9,41} + p_{9,281}\\&+ p_{9,165} + p_{9,485} + p_{9,213} + p_{9,13} + p_{9,397} + p_{9,493} + 2p_{9,67}\\&+ 2p_{9,107} + p_{9,363} + p_{9,235} + p_{9,311} + p_{9,143} + p_{9,207} + 2p_{9,383})\end{aligned}}$$

$$p_{10,957} = \frac{1}{2}p_{9,445} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,445}^2 - 4(2p_{9,0} + p_{9,24} + 2p_{9,20} + p_{9,322} + 2p_{9,18}\\&+ p_{9,210} + p_{9,38} + p_{9,46} + p_{9,158} + p_{9,201} + p_{9,41} + p_{9,281}\\&+ p_{9,165} + p_{9,485} + p_{9,213} + p_{9,13} + p_{9,397} + p_{9,493} + 2p_{9,67}\\&+ 2p_{9,107} + p_{9,363} + p_{9,235} + p_{9,311} + p_{9,143} + p_{9,207} + 2p_{9,383})\end{aligned}}$$

$$p_{10,125} = \frac{1}{2}p_{9,125} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,125}^2 - 4(2p_{9,192} + p_{9,216} + 2p_{9,212} + p_{9,2} + p_{9,402}\\&+ 2p_{9,210} + p_{9,230} + p_{9,238} + p_{9,350} + p_{9,393} + p_{9,233} + p_{9,473}\\&+ p_{9,165} + p_{9,357} + p_{9,405} + p_{9,77} + p_{9,205} + p_{9,173} + 2p_{9,259}\\&+ p_{9,43} + 2p_{9,299} + p_{9,427} + p_{9,503} + p_{9,399} + p_{9,335} + 2p_{9,63})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,381} = \frac{1}{2}p_{9,381} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,381}^2 - 4(2p_{9,448} + p_{9,472} + 2p_{9,468} + p_{9,258} + p_{9,146}\\&+ 2p_{9,466} + p_{9,486} + p_{9,494} + p_{9,94} + p_{9,137} + p_{9,489} + p_{9,217}\\&+ p_{9,421} + p_{9,101} + p_{9,149} + p_{9,333} + p_{9,461} + p_{9,429} + 2p_{9,3}\\&+ 2p_{9,43} + p_{9,299} + p_{9,171} + p_{9,247} + p_{9,143} + p_{9,79} + 2p_{9,319})\end{aligned}}$$

$$p_{10,893} = \frac{1}{2}p_{9,381} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,381}^2 - 4(2p_{9,448} + p_{9,472} + 2p_{9,468} + p_{9,258} + p_{9,146}\\&+ 2p_{9,466} + p_{9,486} + p_{9,494} + p_{9,94} + p_{9,137} + p_{9,489} + p_{9,217}\\&+ p_{9,421} + p_{9,101} + p_{9,149} + p_{9,333} + p_{9,461} + p_{9,429} + 2p_{9,3}\\&+ 2p_{9,43} + p_{9,299} + p_{9,171} + p_{9,247} + p_{9,143} + p_{9,79} + 2p_{9,319})\end{aligned}}$$

$$p_{10,253} = \frac{1}{2}p_{9,253} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,253}^2 - 4(2p_{9,320} + p_{9,344} + 2p_{9,340} + p_{9,130} + p_{9,18}\\&+ 2p_{9,338} + p_{9,358} + p_{9,366} + p_{9,478} + p_{9,9} + p_{9,361} + p_{9,89}\\&+ p_{9,293} + p_{9,485} + p_{9,21} + p_{9,333} + p_{9,205} + p_{9,301} + 2p_{9,387}\\&+ p_{9,43} + p_{9,171} + 2p_{9,427} + p_{9,119} + p_{9,15} + p_{9,463} + 2p_{9,191})\end{aligned}}$$

$$p_{10,765} = \frac{1}{2}p_{9,253} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,253}^2 - 4(2p_{9,320} + p_{9,344} + 2p_{9,340} + p_{9,130} + p_{9,18}\\&+ 2p_{9,338} + p_{9,358} + p_{9,366} + p_{9,478} + p_{9,9} + p_{9,361} + p_{9,89}\\&+ p_{9,293} + p_{9,485} + p_{9,21} + p_{9,333} + p_{9,205} + p_{9,301} + 2p_{9,387}\\&+ p_{9,43} + p_{9,171} + 2p_{9,427} + p_{9,119} + p_{9,15} + p_{9,463} + 2p_{9,191})\end{aligned}}$$

$$p_{10,509} = \frac{1}{2}p_{9,509} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,509}^2 - 4(2p_{9,64} + p_{9,88} + 2p_{9,84} + p_{9,386} + p_{9,274}\\&+ 2p_{9,82} + p_{9,102} + p_{9,110} + p_{9,222} + p_{9,265} + p_{9,105} + p_{9,345}\\&+ p_{9,37} + p_{9,229} + p_{9,277} + p_{9,77} + p_{9,461} + p_{9,45} + 2p_{9,131}\\&+ p_{9,299} + 2p_{9,171} + p_{9,427} + p_{9,375} + p_{9,271} + p_{9,207} + 2p_{9,447})\end{aligned}}$$

$$p_{10,1021} = \frac{1}{2}p_{9,509} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,509}^2 - 4(2p_{9,64} + p_{9,88} + 2p_{9,84} + p_{9,386} + p_{9,274}\\&+ 2p_{9,82} + p_{9,102} + p_{9,110} + p_{9,222} + p_{9,265} + p_{9,105} + p_{9,345}\\&+ p_{9,37} + p_{9,229} + p_{9,277} + p_{9,77} + p_{9,461} + p_{9,45} + 2p_{9,131}\\&+ p_{9,299} + 2p_{9,171} + p_{9,427} + p_{9,375} + p_{9,271} + p_{9,207} + 2p_{9,447})\end{aligned}}$$

$$p_{10,3} = \frac{1}{2}p_{9,3} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,3}^2 - 4(p_{9,392} + p_{9,280} + 2p_{9,88} + p_{9,228} + p_{9,116}\\&+ p_{9,108} + 2p_{9,90} + 2p_{9,70} + p_{9,94} + p_{9,305} + 2p_{9,177} + p_{9,433}\\&+ 2p_{9,137} + 2p_{9,453} + p_{9,277} + p_{9,213} + p_{9,381} + p_{9,83} + p_{9,467}\\&+ p_{9,51} + p_{9,43} + p_{9,235} + p_{9,283} + p_{9,271} + p_{9,111} + p_{9,351})\end{aligned}}$$

$$p_{10,515} = \frac{1}{2}p_{9,3} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,3}^2 - 4(p_{9,392} + p_{9,280} + 2p_{9,88} + p_{9,228} + p_{9,116}\\&+ p_{9,108} + 2p_{9,90} + 2p_{9,70} + p_{9,94} + p_{9,305} + 2p_{9,177} + p_{9,433}\\&+ 2p_{9,137} + 2p_{9,453} + p_{9,277} + p_{9,213} + p_{9,381} + p_{9,83} + p_{9,467}\\&+ p_{9,51} + p_{9,43} + p_{9,235} + p_{9,283} + p_{9,271} + p_{9,111} + p_{9,351})\end{aligned}}$$

$$p_{10,259} = \frac{1}{2}p_{9,259} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,259}^2 - 4(p_{9,136} + p_{9,24} + 2p_{9,344} + p_{9,484} + p_{9,372}\\&+ p_{9,364} + 2p_{9,346} + 2p_{9,326} + p_{9,350} + p_{9,49} + p_{9,177} + 2p_{9,433}\\&+ 2p_{9,393} + 2p_{9,197} + p_{9,21} + p_{9,469} + p_{9,125} + p_{9,339} + p_{9,211}\\&+ p_{9,307} + p_{9,299} + p_{9,491} + p_{9,27} + p_{9,15} + p_{9,367} + p_{9,95})\end{aligned}}$$

$$p_{10,771} = \frac{1}{2}p_{9,259} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,259}^2 - 4(p_{9,136} + p_{9,24} + 2p_{9,344} + p_{9,484} + p_{9,372}\\&+ p_{9,364} + 2p_{9,346} + 2p_{9,326} + p_{9,350} + p_{9,49} + p_{9,177} + 2p_{9,433}\\&+ 2p_{9,393} + 2p_{9,197} + p_{9,21} + p_{9,469} + p_{9,125} + p_{9,339} + p_{9,211}\\&+ p_{9,307} + p_{9,299} + p_{9,491} + p_{9,27} + p_{9,15} + p_{9,367} + p_{9,95})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,643} = \frac{1}{2}p_{9,131} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,131}^2 - 4(p_{9,8} + p_{9,408} + 2p_{9,216} + p_{9,356} + p_{9,244}\\&+ p_{9,236} + 2p_{9,218} + 2p_{9,198} + p_{9,222} + p_{9,49} + 2p_{9,305} + p_{9,433}\\&+ 2p_{9,265} + 2p_{9,69} + p_{9,405} + p_{9,341} + p_{9,509} + p_{9,83} + p_{9,211}\\&+ p_{9,179} + p_{9,171} + p_{9,363} + p_{9,411} + p_{9,399} + p_{9,239} + p_{9,479})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,899} = \frac{1}{2}p_{9,387} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,387}^2 - 4(p_{9,264} + p_{9,152} + 2p_{9,472} + p_{9,100} + p_{9,500}\\&+ p_{9,492} + 2p_{9,474} + 2p_{9,454} + p_{9,478} + 2p_{9,49} + p_{9,305} + p_{9,177}\\&+ 2p_{9,9} + 2p_{9,325} + p_{9,149} + p_{9,85} + p_{9,253} + p_{9,339} + p_{9,467}\\&+ p_{9,435} + p_{9,427} + p_{9,107} + p_{9,155} + p_{9,143} + p_{9,495} + p_{9,223})\end{aligned}}$$

$$p_{10,67} = \frac{1}{2}p_{9,67} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,67}^2 - 4(p_{9,456} + 2p_{9,152} + p_{9,344} + p_{9,292} + p_{9,180}\\&+ p_{9,172} + 2p_{9,154} + 2p_{9,134} + p_{9,158} + p_{9,369} + 2p_{9,241} + p_{9,497}\\&+ 2p_{9,201} + 2p_{9,5} + p_{9,277} + p_{9,341} + p_{9,445} + p_{9,19} + p_{9,147}\\&+ p_{9,115} + p_{9,299} + p_{9,107} + p_{9,347} + p_{9,335} + p_{9,175} + p_{9,415})\end{aligned}}$$

$$p_{10,579} = \frac{1}{2}p_{9,67} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,67}^2 - 4(p_{9,456} + 2p_{9,152} + p_{9,344} + p_{9,292} + p_{9,180}\\&+ p_{9,172} + 2p_{9,154} + 2p_{9,134} + p_{9,158} + p_{9,369} + 2p_{9,241} + p_{9,497}\\&+ 2p_{9,201} + 2p_{9,5} + p_{9,277} + p_{9,341} + p_{9,445} + p_{9,19} + p_{9,147}\\&+ p_{9,115} + p_{9,299} + p_{9,107} + p_{9,347} + p_{9,335} + p_{9,175} + p_{9,415})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,835} = \frac{1}{2}p_{9,323} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,323}^2 - 4(p_{9,200} + 2p_{9,408} + p_{9,88} + p_{9,36} + p_{9,436}\\&+ p_{9,428} + 2p_{9,410} + 2p_{9,390} + p_{9,414} + p_{9,113} + p_{9,241} + 2p_{9,497}\\&+ 2p_{9,457} + 2p_{9,261} + p_{9,21} + p_{9,85} + p_{9,189} + p_{9,275} + p_{9,403}\\&+ p_{9,371} + p_{9,43} + p_{9,363} + p_{9,91} + p_{9,79} + p_{9,431} + p_{9,159})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,707} = \frac{1}{2}p_{9,195} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,195}^2 - 4(p_{9,72} + 2p_{9,280} + p_{9,472} + p_{9,420} + p_{9,308}\\&+ p_{9,300} + 2p_{9,282} + 2p_{9,262} + p_{9,286} + p_{9,113} + 2p_{9,369} + p_{9,497}\\&+ 2p_{9,329} + 2p_{9,133} + p_{9,405} + p_{9,469} + p_{9,61} + p_{9,275} + p_{9,147}\\&+ p_{9,243} + p_{9,427} + p_{9,235} + p_{9,475} + p_{9,463} + p_{9,303} + p_{9,31})\end{aligned}}$$

$$p_{10,451} = \frac{1}{2}p_{9,451} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,451}^2 - 4(p_{9,328} + 2p_{9,24} + p_{9,216} + p_{9,164} + p_{9,52}\\&+ p_{9,44} + 2p_{9,26} + 2p_{9,6} + p_{9,30} + 2p_{9,113} + p_{9,369} + p_{9,241}\\&+ 2p_{9,73} + 2p_{9,389} + p_{9,149} + p_{9,213} + p_{9,317} + p_{9,19} + p_{9,403}\\&+ p_{9,499} + p_{9,171} + p_{9,491} + p_{9,219} + p_{9,207} + p_{9,47} + p_{9,287})\end{aligned}}$$

$$p_{10,963} = \frac{1}{2}p_{9,451} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,451}^2 - 4(p_{9,328} + 2p_{9,24} + p_{9,216} + p_{9,164} + p_{9,52}\\&+ p_{9,44} + 2p_{9,26} + 2p_{9,6} + p_{9,30} + 2p_{9,113} + p_{9,369} + p_{9,241}\\&+ 2p_{9,73} + 2p_{9,389} + p_{9,149} + p_{9,213} + p_{9,317} + p_{9,19} + p_{9,403}\\&+ p_{9,499} + p_{9,171} + p_{9,491} + p_{9,219} + p_{9,207} + p_{9,47} + p_{9,287})\end{aligned}}$$

$$p_{10,35} = \frac{1}{2}p_{9,35} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,35}^2 - 4(p_{9,424} + p_{9,312} + 2p_{9,120} + p_{9,260} + p_{9,148}\\&+ p_{9,140} + 2p_{9,122} + 2p_{9,102} + p_{9,126} + p_{9,337} + 2p_{9,209} + p_{9,465}\\&+ 2p_{9,169} + 2p_{9,485} + p_{9,309} + p_{9,245} + p_{9,413} + p_{9,83} + p_{9,115}\\&+ p_{9,499} + p_{9,267} + p_{9,75} + p_{9,315} + p_{9,143} + p_{9,303} + p_{9,383})\end{aligned}}$$

$$p_{10,547} = \frac{1}{2}p_{9,35} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,35}^2 - 4(p_{9,424} + p_{9,312} + 2p_{9,120} + p_{9,260} + p_{9,148}\\&+ p_{9,140} + 2p_{9,122} + 2p_{9,102} + p_{9,126} + p_{9,337} + 2p_{9,209} + p_{9,465}\\&+ 2p_{9,169} + 2p_{9,485} + p_{9,309} + p_{9,245} + p_{9,413} + p_{9,83} + p_{9,115}\\&+ p_{9,499} + p_{9,267} + p_{9,75} + p_{9,315} + p_{9,143} + p_{9,303} + p_{9,383})\end{aligned}}$$

$$p_{10,291} = \frac{1}{2}p_{9,291} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,291}^2 - 4(p_{9,168} + p_{9,56} + 2p_{9,376} + p_{9,4} + p_{9,404}\\&+ p_{9,396} + 2p_{9,378} + 2p_{9,358} + p_{9,382} + p_{9,81} + p_{9,209} + 2p_{9,465}\\&+ 2p_{9,425} + 2p_{9,229} + p_{9,53} + p_{9,501} + p_{9,157} + p_{9,339} + p_{9,371}\\&+ p_{9,243} + p_{9,11} + p_{9,331} + p_{9,59} + p_{9,399} + p_{9,47} + p_{9,127})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,163} = \frac{1}{2}p_{9,163} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,163}^2 - 4(p_{9,40} + p_{9,440} + 2p_{9,248} + p_{9,388} + p_{9,276}\\&+ p_{9,268} + 2p_{9,250} + 2p_{9,230} + p_{9,254} + p_{9,81} + 2p_{9,337} + p_{9,465}\\&+ 2p_{9,297} + 2p_{9,101} + p_{9,437} + p_{9,373} + p_{9,29} + p_{9,211} + p_{9,115}\\&+ p_{9,243} + p_{9,395} + p_{9,203} + p_{9,443} + p_{9,271} + p_{9,431} + p_{9,511})\end{aligned}}$$

$$p_{10,675} = \frac{1}{2}p_{9,163} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,163}^2 - 4(p_{9,40} + p_{9,440} + 2p_{9,248} + p_{9,388} + p_{9,276}\\&+ p_{9,268} + 2p_{9,250} + 2p_{9,230} + p_{9,254} + p_{9,81} + 2p_{9,337} + p_{9,465}\\&+ 2p_{9,297} + 2p_{9,101} + p_{9,437} + p_{9,373} + p_{9,29} + p_{9,211} + p_{9,115}\\&+ p_{9,243} + p_{9,395} + p_{9,203} + p_{9,443} + p_{9,271} + p_{9,431} + p_{9,511})\end{aligned}}$$

$$p_{10,419} = \frac{1}{2}p_{9,419} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,419}^2 - 4(p_{9,296} + p_{9,184} + 2p_{9,504} + p_{9,132} + p_{9,20}\\&+ p_{9,12} + 2p_{9,506} + 2p_{9,486} + p_{9,510} + 2p_{9,81} + p_{9,337} + p_{9,209}\\&+ 2p_{9,41} + 2p_{9,357} + p_{9,181} + p_{9,117} + p_{9,285} + p_{9,467} + p_{9,371}\\&+ p_{9,499} + p_{9,139} + p_{9,459} + p_{9,187} + p_{9,15} + p_{9,175} + p_{9,255})\end{aligned}}$$

$$p_{10,931} = \frac{1}{2}p_{9,419} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,419}^2 - 4(p_{9,296} + p_{9,184} + 2p_{9,504} + p_{9,132} + p_{9,20}\\&+ p_{9,12} + 2p_{9,506} + 2p_{9,486} + p_{9,510} + 2p_{9,81} + p_{9,337} + p_{9,209}\\&+ 2p_{9,41} + 2p_{9,357} + p_{9,181} + p_{9,117} + p_{9,285} + p_{9,467} + p_{9,371}\\&+ p_{9,499} + p_{9,139} + p_{9,459} + p_{9,187} + p_{9,15} + p_{9,175} + p_{9,255})\end{aligned}}$$

$$p_{10,99} = \frac{1}{2}p_{9,99} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,99}^2 - 4(p_{9,488} + 2p_{9,184} + p_{9,376} + p_{9,324} + p_{9,212}\\&+ p_{9,204} + 2p_{9,186} + 2p_{9,166} + p_{9,190} + p_{9,17} + 2p_{9,273} + p_{9,401}\\&+ 2p_{9,233} + 2p_{9,37} + p_{9,309} + p_{9,373} + p_{9,477} + p_{9,147} + p_{9,51}\\&+ p_{9,179} + p_{9,139} + p_{9,331} + p_{9,379} + p_{9,207} + p_{9,367} + p_{9,447})\end{aligned}}$$

$$p_{10,611} = \frac{1}{2}p_{9,99} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,99}^2 - 4(p_{9,488} + 2p_{9,184} + p_{9,376} + p_{9,324} + p_{9,212}\\&+ p_{9,204} + 2p_{9,186} + 2p_{9,166} + p_{9,190} + p_{9,17} + 2p_{9,273} + p_{9,401}\\&+ 2p_{9,233} + 2p_{9,37} + p_{9,309} + p_{9,373} + p_{9,477} + p_{9,147} + p_{9,51}\\&+ p_{9,179} + p_{9,139} + p_{9,331} + p_{9,379} + p_{9,207} + p_{9,367} + p_{9,447})\end{aligned}}$$

$$p_{10,355} = \frac{1}{2}p_{9,355} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,355}^2 - 4(p_{9,232} + 2p_{9,440} + p_{9,120} + p_{9,68} + p_{9,468}\\&+ p_{9,460} + 2p_{9,442} + 2p_{9,422} + p_{9,446} + 2p_{9,17} + p_{9,273} + p_{9,145}\\&+ 2p_{9,489} + 2p_{9,293} + p_{9,53} + p_{9,117} + p_{9,221} + p_{9,403} + p_{9,307}\\&+ p_{9,435} + p_{9,395} + p_{9,75} + p_{9,123} + p_{9,463} + p_{9,111} + p_{9,191})\end{aligned}}$$

$$p_{10,867} = \frac{1}{2}p_{9,355} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,355}^2 - 4(p_{9,232} + 2p_{9,440} + p_{9,120} + p_{9,68} + p_{9,468}\\&+ p_{9,460} + 2p_{9,442} + 2p_{9,422} + p_{9,446} + 2p_{9,17} + p_{9,273} + p_{9,145}\\&+ 2p_{9,489} + 2p_{9,293} + p_{9,53} + p_{9,117} + p_{9,221} + p_{9,403} + p_{9,307}\\&+ p_{9,435} + p_{9,395} + p_{9,75} + p_{9,123} + p_{9,463} + p_{9,111} + p_{9,191})\end{aligned}}$$

$$p_{10,227} = \frac{1}{2}p_{9,227} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,227}^2 - 4(p_{9,104} + 2p_{9,312} + p_{9,504} + p_{9,452} + p_{9,340}\\&+ p_{9,332} + 2p_{9,314} + 2p_{9,294} + p_{9,318} + p_{9,17} + p_{9,145} + 2p_{9,401}\\&+ 2p_{9,361} + 2p_{9,165} + p_{9,437} + p_{9,501} + p_{9,93} + p_{9,275} + p_{9,307}\\&+ p_{9,179} + p_{9,267} + p_{9,459} + p_{9,507} + p_{9,335} + p_{9,495} + p_{9,63})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,483} = \frac{1}{2}p_{9,483} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,483}^2 - 4(p_{9,360} + 2p_{9,56} + p_{9,248} + p_{9,196} + p_{9,84}\\&+ p_{9,76} + 2p_{9,58} + 2p_{9,38} + p_{9,62} + p_{9,273} + 2p_{9,145} + p_{9,401}\\&+ 2p_{9,105} + 2p_{9,421} + p_{9,181} + p_{9,245} + p_{9,349} + p_{9,19} + p_{9,51}\\&+ p_{9,435} + p_{9,11} + p_{9,203} + p_{9,251} + p_{9,79} + p_{9,239} + p_{9,319})\end{aligned}}$$

$$p_{10,995} = \frac{1}{2}p_{9,483} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,483}^2 - 4(p_{9,360} + 2p_{9,56} + p_{9,248} + p_{9,196} + p_{9,84}\\&+ p_{9,76} + 2p_{9,58} + 2p_{9,38} + p_{9,62} + p_{9,273} + 2p_{9,145} + p_{9,401}\\&+ 2p_{9,105} + 2p_{9,421} + p_{9,181} + p_{9,245} + p_{9,349} + p_{9,19} + p_{9,51}\\&+ p_{9,435} + p_{9,11} + p_{9,203} + p_{9,251} + p_{9,79} + p_{9,239} + p_{9,319})\end{aligned}}$$

$$p_{10,19} = \frac{1}{2}p_{9,19} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,19}^2 - 4(p_{9,296} + 2p_{9,104} + p_{9,408} + p_{9,132} + p_{9,244}\\&+ p_{9,124} + 2p_{9,106} + 2p_{9,86} + p_{9,110} + p_{9,321} + 2p_{9,193} + p_{9,449}\\&+ 2p_{9,153} + p_{9,293} + p_{9,229} + 2p_{9,469} + p_{9,397} + p_{9,67} + p_{9,99}\\&+ p_{9,483} + p_{9,299} + p_{9,59} + p_{9,251} + p_{9,367} + p_{9,287} + p_{9,127})\end{aligned}}$$

$$p_{10,531} = \frac{1}{2}p_{9,19} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,19}^2 - 4(p_{9,296} + 2p_{9,104} + p_{9,408} + p_{9,132} + p_{9,244}\\&+ p_{9,124} + 2p_{9,106} + 2p_{9,86} + p_{9,110} + p_{9,321} + 2p_{9,193} + p_{9,449}\\&+ 2p_{9,153} + p_{9,293} + p_{9,229} + 2p_{9,469} + p_{9,397} + p_{9,67} + p_{9,99}\\&+ p_{9,483} + p_{9,299} + p_{9,59} + p_{9,251} + p_{9,367} + p_{9,287} + p_{9,127})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,787} = \frac{1}{2}p_{9,275} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,275}^2 - 4(p_{9,40} + 2p_{9,360} + p_{9,152} + p_{9,388} + p_{9,500}\\&+ p_{9,380} + 2p_{9,362} + 2p_{9,342} + p_{9,366} + p_{9,65} + p_{9,193} + 2p_{9,449}\\&+ 2p_{9,409} + p_{9,37} + p_{9,485} + 2p_{9,213} + p_{9,141} + p_{9,323} + p_{9,355}\\&+ p_{9,227} + p_{9,43} + p_{9,315} + p_{9,507} + p_{9,111} + p_{9,31} + p_{9,383})\end{aligned}}$$

$$p_{10,147} = \frac{1}{2}p_{9,147} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,147}^2 - 4(p_{9,424} + 2p_{9,232} + p_{9,24} + p_{9,260} + p_{9,372}\\&+ p_{9,252} + 2p_{9,234} + 2p_{9,214} + p_{9,238} + p_{9,65} + 2p_{9,321} + p_{9,449}\\&+ 2p_{9,281} + p_{9,421} + p_{9,357} + 2p_{9,85} + p_{9,13} + p_{9,195} + p_{9,99}\\&+ p_{9,227} + p_{9,427} + p_{9,187} + p_{9,379} + p_{9,495} + p_{9,415} + p_{9,255})\end{aligned}}$$

$$p_{10,659} = \frac{1}{2}p_{9,147} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,147}^2 - 4(p_{9,424} + 2p_{9,232} + p_{9,24} + p_{9,260} + p_{9,372}\\&+ p_{9,252} + 2p_{9,234} + 2p_{9,214} + p_{9,238} + p_{9,65} + 2p_{9,321} + p_{9,449}\\&+ 2p_{9,281} + p_{9,421} + p_{9,357} + 2p_{9,85} + p_{9,13} + p_{9,195} + p_{9,99}\\&+ p_{9,227} + p_{9,427} + p_{9,187} + p_{9,379} + p_{9,495} + p_{9,415} + p_{9,255})\end{aligned}}$$

$$p_{10,403} = \frac{1}{2}p_{9,403} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,403}^2 - 4(p_{9,168} + 2p_{9,488} + p_{9,280} + p_{9,4} + p_{9,116}\\&+ p_{9,508} + 2p_{9,490} + 2p_{9,470} + p_{9,494} + 2p_{9,65} + p_{9,321} + p_{9,193}\\&+ 2p_{9,25} + p_{9,165} + p_{9,101} + 2p_{9,341} + p_{9,269} + p_{9,451} + p_{9,355}\\&+ p_{9,483} + p_{9,171} + p_{9,443} + p_{9,123} + p_{9,239} + p_{9,159} + p_{9,511})\end{aligned}}$$

$$p_{10,915} = \frac{1}{2}p_{9,403} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,403}^2 - 4(p_{9,168} + 2p_{9,488} + p_{9,280} + p_{9,4} + p_{9,116}\\&+ p_{9,508} + 2p_{9,490} + 2p_{9,470} + p_{9,494} + 2p_{9,65} + p_{9,321} + p_{9,193}\\&+ 2p_{9,25} + p_{9,165} + p_{9,101} + 2p_{9,341} + p_{9,269} + p_{9,451} + p_{9,355}\\&+ p_{9,483} + p_{9,171} + p_{9,443} + p_{9,123} + p_{9,239} + p_{9,159} + p_{9,511})\end{aligned}}$$

$$p_{10,83} = \frac{1}{2}p_{9,83} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,83}^2 - 4(2p_{9,168} + p_{9,360} + p_{9,472} + p_{9,196} + p_{9,308}\\&+ p_{9,188} + 2p_{9,170} + 2p_{9,150} + p_{9,174} + p_{9,1} + 2p_{9,257} + p_{9,385}\\&+ 2p_{9,217} + p_{9,293} + p_{9,357} + 2p_{9,21} + p_{9,461} + p_{9,131} + p_{9,35}\\&+ p_{9,163} + p_{9,363} + p_{9,315} + p_{9,123} + p_{9,431} + p_{9,351} + p_{9,191})\end{aligned}}$$

$$p_{10,595} = \frac{1}{2}p_{9,83} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,83}^2 - 4(2p_{9,168} + p_{9,360} + p_{9,472} + p_{9,196} + p_{9,308}\\&+ p_{9,188} + 2p_{9,170} + 2p_{9,150} + p_{9,174} + p_{9,1} + 2p_{9,257} + p_{9,385}\\&+ 2p_{9,217} + p_{9,293} + p_{9,357} + 2p_{9,21} + p_{9,461} + p_{9,131} + p_{9,35}\\&+ p_{9,163} + p_{9,363} + p_{9,315} + p_{9,123} + p_{9,431} + p_{9,351} + p_{9,191})\end{aligned}}$$

$$p_{10,339} = \frac{1}{2}p_{9,339} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,339}^2 - 4(2p_{9,424} + p_{9,104} + p_{9,216} + p_{9,452} + p_{9,52}\\&+ p_{9,444} + 2p_{9,426} + 2p_{9,406} + p_{9,430} + 2p_{9,1} + p_{9,257} + p_{9,129}\\&+ 2p_{9,473} + p_{9,37} + p_{9,101} + 2p_{9,277} + p_{9,205} + p_{9,387} + p_{9,291}\\&+ p_{9,419} + p_{9,107} + p_{9,59} + p_{9,379} + p_{9,175} + p_{9,95} + p_{9,447})\end{aligned}}$$

$$p_{10,851} = \frac{1}{2}p_{9,339} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,339}^2 - 4(2p_{9,424} + p_{9,104} + p_{9,216} + p_{9,452} + p_{9,52}\\&+ p_{9,444} + 2p_{9,426} + 2p_{9,406} + p_{9,430} + 2p_{9,1} + p_{9,257} + p_{9,129}\\&+ 2p_{9,473} + p_{9,37} + p_{9,101} + 2p_{9,277} + p_{9,205} + p_{9,387} + p_{9,291}\\&+ p_{9,419} + p_{9,107} + p_{9,59} + p_{9,379} + p_{9,175} + p_{9,95} + p_{9,447})\end{aligned}}$$

$$p_{10,211} = \frac{1}{2}p_{9,211} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,211}^2 - 4(2p_{9,296} + p_{9,488} + p_{9,88} + p_{9,324} + p_{9,436}\\&+ p_{9,316} + 2p_{9,298} + 2p_{9,278} + p_{9,302} + p_{9,1} + p_{9,129} + 2p_{9,385}\\&+ 2p_{9,345} + p_{9,421} + p_{9,485} + 2p_{9,149} + p_{9,77} + p_{9,259} + p_{9,291}\\&+ p_{9,163} + p_{9,491} + p_{9,443} + p_{9,251} + p_{9,47} + p_{9,479} + p_{9,319})\end{aligned}}$$

$$p_{10,723} = \frac{1}{2}p_{9,211} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,211}^2 - 4(2p_{9,296} + p_{9,488} + p_{9,88} + p_{9,324} + p_{9,436}\\&+ p_{9,316} + 2p_{9,298} + 2p_{9,278} + p_{9,302} + p_{9,1} + p_{9,129} + 2p_{9,385}\\&+ 2p_{9,345} + p_{9,421} + p_{9,485} + 2p_{9,149} + p_{9,77} + p_{9,259} + p_{9,291}\\&+ p_{9,163} + p_{9,491} + p_{9,443} + p_{9,251} + p_{9,47} + p_{9,479} + p_{9,319})\end{aligned}}$$

$$p_{10,467} = \frac{1}{2}p_{9,467} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,467}^2 - 4(2p_{9,40} + p_{9,232} + p_{9,344} + p_{9,68} + p_{9,180}\\&+ p_{9,60} + 2p_{9,42} + 2p_{9,22} + p_{9,46} + p_{9,257} + 2p_{9,129} + p_{9,385}\\&+ 2p_{9,89} + p_{9,165} + p_{9,229} + 2p_{9,405} + p_{9,333} + p_{9,3} + p_{9,35}\\&+ p_{9,419} + p_{9,235} + p_{9,187} + p_{9,507} + p_{9,303} + p_{9,223} + p_{9,63})\end{aligned}}$$

$$p_{10,979} = \frac{1}{2}p_{9,467} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,467}^2 - 4(2p_{9,40} + p_{9,232} + p_{9,344} + p_{9,68} + p_{9,180}\\&+ p_{9,60} + 2p_{9,42} + 2p_{9,22} + p_{9,46} + p_{9,257} + 2p_{9,129} + p_{9,385}\\&+ 2p_{9,89} + p_{9,165} + p_{9,229} + 2p_{9,405} + p_{9,333} + p_{9,3} + p_{9,35}\\&+ p_{9,419} + p_{9,235} + p_{9,187} + p_{9,507} + p_{9,303} + p_{9,223} + p_{9,63})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,563} = \frac{1}{2}p_{9,51} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,51}^2 - 4(2p_{9,136} + p_{9,328} + p_{9,440} + p_{9,164} + p_{9,276}\\&+ p_{9,156} + 2p_{9,138} + 2p_{9,118} + p_{9,142} + p_{9,353} + 2p_{9,225} + p_{9,481}\\&+ 2p_{9,185} + p_{9,261} + p_{9,325} + 2p_{9,501} + p_{9,429} + p_{9,3} + p_{9,131}\\&+ p_{9,99} + p_{9,331} + p_{9,283} + p_{9,91} + p_{9,399} + p_{9,159} + p_{9,319})\end{aligned}}$$

$$p_{10,307} = \frac{1}{2}p_{9,307} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,307}^2 - 4(2p_{9,392} + p_{9,72} + p_{9,184} + p_{9,420} + p_{9,20}\\&+ p_{9,412} + 2p_{9,394} + 2p_{9,374} + p_{9,398} + p_{9,97} + p_{9,225} + 2p_{9,481}\\&+ 2p_{9,441} + p_{9,5} + p_{9,69} + 2p_{9,245} + p_{9,173} + p_{9,259} + p_{9,387}\\&+ p_{9,355} + p_{9,75} + p_{9,27} + p_{9,347} + p_{9,143} + p_{9,415} + p_{9,63})\end{aligned}}$$

$$p_{10,819} = \frac{1}{2}p_{9,307} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,307}^2 - 4(2p_{9,392} + p_{9,72} + p_{9,184} + p_{9,420} + p_{9,20}\\&+ p_{9,412} + 2p_{9,394} + 2p_{9,374} + p_{9,398} + p_{9,97} + p_{9,225} + 2p_{9,481}\\&+ 2p_{9,441} + p_{9,5} + p_{9,69} + 2p_{9,245} + p_{9,173} + p_{9,259} + p_{9,387}\\&+ p_{9,355} + p_{9,75} + p_{9,27} + p_{9,347} + p_{9,143} + p_{9,415} + p_{9,63})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,691} = \frac{1}{2}p_{9,179} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,179}^2 - 4(2p_{9,264} + p_{9,456} + p_{9,56} + p_{9,292} + p_{9,404}\\&+ p_{9,284} + 2p_{9,266} + 2p_{9,246} + p_{9,270} + p_{9,97} + 2p_{9,353} + p_{9,481}\\&+ 2p_{9,313} + p_{9,389} + p_{9,453} + 2p_{9,117} + p_{9,45} + p_{9,259} + p_{9,131}\\&+ p_{9,227} + p_{9,459} + p_{9,411} + p_{9,219} + p_{9,15} + p_{9,287} + p_{9,447})\end{aligned}}$$

$$p_{10,435} = \frac{1}{2}p_{9,435} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,435}^2 - 4(2p_{9,8} + p_{9,200} + p_{9,312} + p_{9,36} + p_{9,148}\\&+ p_{9,28} + 2p_{9,10} + 2p_{9,502} + p_{9,14} + 2p_{9,97} + p_{9,353} + p_{9,225}\\&+ 2p_{9,57} + p_{9,133} + p_{9,197} + 2p_{9,373} + p_{9,301} + p_{9,3} + p_{9,387}\\&+ p_{9,483} + p_{9,203} + p_{9,155} + p_{9,475} + p_{9,271} + p_{9,31} + p_{9,191})\end{aligned}}$$

$$p_{10,947} = \frac{1}{2}p_{9,435} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,435}^2 - 4(2p_{9,8} + p_{9,200} + p_{9,312} + p_{9,36} + p_{9,148}\\&+ p_{9,28} + 2p_{9,10} + 2p_{9,502} + p_{9,14} + 2p_{9,97} + p_{9,353} + p_{9,225}\\&+ 2p_{9,57} + p_{9,133} + p_{9,197} + 2p_{9,373} + p_{9,301} + p_{9,3} + p_{9,387}\\&+ p_{9,483} + p_{9,203} + p_{9,155} + p_{9,475} + p_{9,271} + p_{9,31} + p_{9,191})\end{aligned}}$$

$$p_{10,115} = \frac{1}{2}p_{9,115} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,115}^2 - 4(p_{9,392} + 2p_{9,200} + p_{9,504} + p_{9,228} + p_{9,340}\\&+ p_{9,220} + 2p_{9,202} + 2p_{9,182} + p_{9,206} + p_{9,33} + 2p_{9,289} + p_{9,417}\\&+ 2p_{9,249} + p_{9,389} + p_{9,325} + 2p_{9,53} + p_{9,493} + p_{9,67} + p_{9,195}\\&+ p_{9,163} + p_{9,395} + p_{9,155} + p_{9,347} + p_{9,463} + p_{9,223} + p_{9,383})\end{aligned}}$$

$$p_{10,627} = \frac{1}{2}p_{9,115} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,115}^2 - 4(p_{9,392} + 2p_{9,200} + p_{9,504} + p_{9,228} + p_{9,340}\\&+ p_{9,220} + 2p_{9,202} + 2p_{9,182} + p_{9,206} + p_{9,33} + 2p_{9,289} + p_{9,417}\\&+ 2p_{9,249} + p_{9,389} + p_{9,325} + 2p_{9,53} + p_{9,493} + p_{9,67} + p_{9,195}\\&+ p_{9,163} + p_{9,395} + p_{9,155} + p_{9,347} + p_{9,463} + p_{9,223} + p_{9,383})\end{aligned}}$$

$$p_{10,371} = \frac{1}{2}p_{9,371} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,371}^2 - 4(p_{9,136} + 2p_{9,456} + p_{9,248} + p_{9,484} + p_{9,84}\\&+ p_{9,476} + 2p_{9,458} + 2p_{9,438} + p_{9,462} + 2p_{9,33} + p_{9,289} + p_{9,161}\\&+ 2p_{9,505} + p_{9,133} + p_{9,69} + 2p_{9,309} + p_{9,237} + p_{9,323} + p_{9,451}\\&+ p_{9,419} + p_{9,139} + p_{9,411} + p_{9,91} + p_{9,207} + p_{9,479} + p_{9,127})\end{aligned}}$$

$$p_{10,883} = \frac{1}{2}p_{9,371} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,371}^2 - 4(p_{9,136} + 2p_{9,456} + p_{9,248} + p_{9,484} + p_{9,84}\\&+ p_{9,476} + 2p_{9,458} + 2p_{9,438} + p_{9,462} + 2p_{9,33} + p_{9,289} + p_{9,161}\\&+ 2p_{9,505} + p_{9,133} + p_{9,69} + 2p_{9,309} + p_{9,237} + p_{9,323} + p_{9,451}\\&+ p_{9,419} + p_{9,139} + p_{9,411} + p_{9,91} + p_{9,207} + p_{9,479} + p_{9,127})\end{aligned}}$$

$$p_{10,243} = \frac{1}{2}p_{9,243} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,243}^2 - 4(p_{9,8} + 2p_{9,328} + p_{9,120} + p_{9,356} + p_{9,468}\\&+ p_{9,348} + 2p_{9,330} + 2p_{9,310} + p_{9,334} + p_{9,33} + p_{9,161} + 2p_{9,417}\\&+ 2p_{9,377} + p_{9,5} + p_{9,453} + 2p_{9,181} + p_{9,109} + p_{9,323} + p_{9,195}\\&+ p_{9,291} + p_{9,11} + p_{9,283} + p_{9,475} + p_{9,79} + p_{9,351} + p_{9,511})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,499} = \frac{1}{2}p_{9,499} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,499}^2 - 4(p_{9,264} + 2p_{9,72} + p_{9,376} + p_{9,100} + p_{9,212}\\&+ p_{9,92} + 2p_{9,74} + 2p_{9,54} + p_{9,78} + p_{9,289} + 2p_{9,161} + p_{9,417}\\&+ 2p_{9,121} + p_{9,261} + p_{9,197} + 2p_{9,437} + p_{9,365} + p_{9,67} + p_{9,451}\\&+ p_{9,35} + p_{9,267} + p_{9,27} + p_{9,219} + p_{9,335} + p_{9,95} + p_{9,255})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,11} = \frac{1}{2}p_{9,11} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,11}^2 - 4(p_{9,288} + 2p_{9,96} + p_{9,400} + p_{9,116} + p_{9,236}\\&+ p_{9,124} + 2p_{9,98} + p_{9,102} + 2p_{9,78} + 2p_{9,145} + p_{9,313} + 2p_{9,185}\\&+ p_{9,441} + p_{9,389} + 2p_{9,461} + p_{9,285} + p_{9,221} + p_{9,291} + p_{9,51}\\&+ p_{9,243} + p_{9,91} + p_{9,475} + p_{9,59} + p_{9,359} + p_{9,279} + p_{9,119})\end{aligned}}$$

$$p_{10,523} = \frac{1}{2}p_{9,11} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,11}^2 - 4(p_{9,288} + 2p_{9,96} + p_{9,400} + p_{9,116} + p_{9,236}\\&+ p_{9,124} + 2p_{9,98} + p_{9,102} + 2p_{9,78} + 2p_{9,145} + p_{9,313} + 2p_{9,185}\\&+ p_{9,441} + p_{9,389} + 2p_{9,461} + p_{9,285} + p_{9,221} + p_{9,291} + p_{9,51}\\&+ p_{9,243} + p_{9,91} + p_{9,475} + p_{9,59} + p_{9,359} + p_{9,279} + p_{9,119})\end{aligned}}$$

$$p_{10,267} = \frac{1}{2}p_{9,267} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,267}^2 - 4(p_{9,32} + 2p_{9,352} + p_{9,144} + p_{9,372} + p_{9,492}\\&+ p_{9,380} + 2p_{9,354} + p_{9,358} + 2p_{9,334} + 2p_{9,401} + p_{9,57} + p_{9,185}\\&+ 2p_{9,441} + p_{9,133} + 2p_{9,205} + p_{9,29} + p_{9,477} + p_{9,35} + p_{9,307}\\&+ p_{9,499} + p_{9,347} + p_{9,219} + p_{9,315} + p_{9,103} + p_{9,23} + p_{9,375})\end{aligned}}$$

$$p_{10,779} = \frac{1}{2}p_{9,267} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,267}^2 - 4(p_{9,32} + 2p_{9,352} + p_{9,144} + p_{9,372} + p_{9,492}\\&+ p_{9,380} + 2p_{9,354} + p_{9,358} + 2p_{9,334} + 2p_{9,401} + p_{9,57} + p_{9,185}\\&+ 2p_{9,441} + p_{9,133} + 2p_{9,205} + p_{9,29} + p_{9,477} + p_{9,35} + p_{9,307}\\&+ p_{9,499} + p_{9,347} + p_{9,219} + p_{9,315} + p_{9,103} + p_{9,23} + p_{9,375})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,651} = \frac{1}{2}p_{9,139} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,139}^2 - 4(p_{9,416} + 2p_{9,224} + p_{9,16} + p_{9,244} + p_{9,364}\\&+ p_{9,252} + 2p_{9,226} + p_{9,230} + 2p_{9,206} + 2p_{9,273} + p_{9,57} + 2p_{9,313}\\&+ p_{9,441} + p_{9,5} + 2p_{9,77} + p_{9,413} + p_{9,349} + p_{9,419} + p_{9,179}\\&+ p_{9,371} + p_{9,91} + p_{9,219} + p_{9,187} + p_{9,487} + p_{9,407} + p_{9,247})\end{aligned}}$$

$$p_{10,395} = \frac{1}{2}p_{9,395} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,395}^2 - 4(p_{9,160} + 2p_{9,480} + p_{9,272} + p_{9,500} + p_{9,108}\\&+ p_{9,508} + 2p_{9,482} + p_{9,486} + 2p_{9,462} + 2p_{9,17} + 2p_{9,57} + p_{9,313}\\&+ p_{9,185} + p_{9,261} + 2p_{9,333} + p_{9,157} + p_{9,93} + p_{9,163} + p_{9,435}\\&+ p_{9,115} + p_{9,347} + p_{9,475} + p_{9,443} + p_{9,231} + p_{9,151} + p_{9,503})\end{aligned}}$$

$$p_{10,907} = \frac{1}{2}p_{9,395} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,395}^2 - 4(p_{9,160} + 2p_{9,480} + p_{9,272} + p_{9,500} + p_{9,108}\\&+ p_{9,508} + 2p_{9,482} + p_{9,486} + 2p_{9,462} + 2p_{9,17} + 2p_{9,57} + p_{9,313}\\&+ p_{9,185} + p_{9,261} + 2p_{9,333} + p_{9,157} + p_{9,93} + p_{9,163} + p_{9,435}\\&+ p_{9,115} + p_{9,347} + p_{9,475} + p_{9,443} + p_{9,231} + p_{9,151} + p_{9,503})\end{aligned}}$$

$$p_{10,75} = \frac{1}{2}p_{9,75} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,75}^2 - 4(2p_{9,160} + p_{9,352} + p_{9,464} + p_{9,180} + p_{9,300}\\&+ p_{9,188} + 2p_{9,162} + p_{9,166} + 2p_{9,142} + 2p_{9,209} + p_{9,377} + 2p_{9,249}\\&+ p_{9,505} + p_{9,453} + 2p_{9,13} + p_{9,285} + p_{9,349} + p_{9,355} + p_{9,307}\\&+ p_{9,115} + p_{9,27} + p_{9,155} + p_{9,123} + p_{9,423} + p_{9,343} + p_{9,183})\end{aligned}}$$

$$p_{10,587} = \frac{1}{2}p_{9,75} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,75}^2 - 4(2p_{9,160} + p_{9,352} + p_{9,464} + p_{9,180} + p_{9,300}\\&+ p_{9,188} + 2p_{9,162} + p_{9,166} + 2p_{9,142} + 2p_{9,209} + p_{9,377} + 2p_{9,249}\\&+ p_{9,505} + p_{9,453} + 2p_{9,13} + p_{9,285} + p_{9,349} + p_{9,355} + p_{9,307}\\&+ p_{9,115} + p_{9,27} + p_{9,155} + p_{9,123} + p_{9,423} + p_{9,343} + p_{9,183})\end{aligned}}$$

$$p_{10,331} = \frac{1}{2}p_{9,331} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,331}^2 - 4(2p_{9,416} + p_{9,96} + p_{9,208} + p_{9,436} + p_{9,44}\\&+ p_{9,444} + 2p_{9,418} + p_{9,422} + 2p_{9,398} + 2p_{9,465} + p_{9,121} + p_{9,249}\\&+ 2p_{9,505} + p_{9,197} + 2p_{9,269} + p_{9,29} + p_{9,93} + p_{9,99} + p_{9,51}\\&+ p_{9,371} + p_{9,283} + p_{9,411} + p_{9,379} + p_{9,167} + p_{9,87} + p_{9,439})\end{aligned}}$$

$$p_{10,843} = \frac{1}{2}p_{9,331} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,331}^2 - 4(2p_{9,416} + p_{9,96} + p_{9,208} + p_{9,436} + p_{9,44}\\&+ p_{9,444} + 2p_{9,418} + p_{9,422} + 2p_{9,398} + 2p_{9,465} + p_{9,121} + p_{9,249}\\&+ 2p_{9,505} + p_{9,197} + 2p_{9,269} + p_{9,29} + p_{9,93} + p_{9,99} + p_{9,51}\\&+ p_{9,371} + p_{9,283} + p_{9,411} + p_{9,379} + p_{9,167} + p_{9,87} + p_{9,439})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,715} = \frac{1}{2}p_{9,203} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,203}^2 - 4(2p_{9,288} + p_{9,480} + p_{9,80} + p_{9,308} + p_{9,428}\\&+ p_{9,316} + 2p_{9,290} + p_{9,294} + 2p_{9,270} + 2p_{9,337} + p_{9,121} + 2p_{9,377}\\&+ p_{9,505} + p_{9,69} + 2p_{9,141} + p_{9,413} + p_{9,477} + p_{9,483} + p_{9,435}\\&+ p_{9,243} + p_{9,283} + p_{9,155} + p_{9,251} + p_{9,39} + p_{9,471} + p_{9,311})\end{aligned}}$$

$$p_{10,459} = \frac{1}{2}p_{9,459} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,459}^2 - 4(2p_{9,32} + p_{9,224} + p_{9,336} + p_{9,52} + p_{9,172}\\&+ p_{9,60} + 2p_{9,34} + p_{9,38} + 2p_{9,14} + 2p_{9,81} + 2p_{9,121} + p_{9,377}\\&+ p_{9,249} + p_{9,325} + 2p_{9,397} + p_{9,157} + p_{9,221} + p_{9,227} + p_{9,179}\\&+ p_{9,499} + p_{9,27} + p_{9,411} + p_{9,507} + p_{9,295} + p_{9,215} + p_{9,55})\end{aligned}}$$

$$p_{10,971} = \frac{1}{2}p_{9,459} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,459}^2 - 4(2p_{9,32} + p_{9,224} + p_{9,336} + p_{9,52} + p_{9,172}\\&+ p_{9,60} + 2p_{9,34} + p_{9,38} + 2p_{9,14} + 2p_{9,81} + 2p_{9,121} + p_{9,377}\\&+ p_{9,249} + p_{9,325} + 2p_{9,397} + p_{9,157} + p_{9,221} + p_{9,227} + p_{9,179}\\&+ p_{9,499} + p_{9,27} + p_{9,411} + p_{9,507} + p_{9,295} + p_{9,215} + p_{9,55})\end{aligned}}$$

$$p_{10,43} = \frac{1}{2}p_{9,43} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,43}^2 - 4(2p_{9,128} + p_{9,320} + p_{9,432} + p_{9,148} + p_{9,268}\\&+ p_{9,156} + 2p_{9,130} + p_{9,134} + 2p_{9,110} + 2p_{9,177} + p_{9,345} + 2p_{9,217}\\&+ p_{9,473} + p_{9,421} + 2p_{9,493} + p_{9,317} + p_{9,253} + p_{9,323} + p_{9,275}\\&+ p_{9,83} + p_{9,91} + p_{9,123} + p_{9,507} + p_{9,391} + p_{9,151} + p_{9,311})\end{aligned}}$$

$$p_{10,555} = \frac{1}{2}p_{9,43} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,43}^2 - 4(2p_{9,128} + p_{9,320} + p_{9,432} + p_{9,148} + p_{9,268}\\&+ p_{9,156} + 2p_{9,130} + p_{9,134} + 2p_{9,110} + 2p_{9,177} + p_{9,345} + 2p_{9,217}\\&+ p_{9,473} + p_{9,421} + 2p_{9,493} + p_{9,317} + p_{9,253} + p_{9,323} + p_{9,275}\\&+ p_{9,83} + p_{9,91} + p_{9,123} + p_{9,507} + p_{9,391} + p_{9,151} + p_{9,311})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,811} = \frac{1}{2}p_{9,299} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,299}^2 - 4(2p_{9,384} + p_{9,64} + p_{9,176} + p_{9,404} + p_{9,12}\\&+ p_{9,412} + 2p_{9,386} + p_{9,390} + 2p_{9,366} + 2p_{9,433} + p_{9,89} + p_{9,217}\\&+ 2p_{9,473} + p_{9,165} + 2p_{9,237} + p_{9,61} + p_{9,509} + p_{9,67} + p_{9,19}\\&+ p_{9,339} + p_{9,347} + p_{9,379} + p_{9,251} + p_{9,135} + p_{9,407} + p_{9,55})\end{aligned}}$$

$$p_{10,171} = \frac{1}{2}p_{9,171} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,171}^2 - 4(2p_{9,256} + p_{9,448} + p_{9,48} + p_{9,276} + p_{9,396}\\&+ p_{9,284} + 2p_{9,258} + p_{9,262} + 2p_{9,238} + 2p_{9,305} + p_{9,89} + 2p_{9,345}\\&+ p_{9,473} + p_{9,37} + 2p_{9,109} + p_{9,445} + p_{9,381} + p_{9,451} + p_{9,403}\\&+ p_{9,211} + p_{9,219} + p_{9,123} + p_{9,251} + p_{9,7} + p_{9,279} + p_{9,439})\end{aligned}}$$

$$p_{10,683} = \frac{1}{2}p_{9,171} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,171}^2 - 4(2p_{9,256} + p_{9,448} + p_{9,48} + p_{9,276} + p_{9,396}\\&+ p_{9,284} + 2p_{9,258} + p_{9,262} + 2p_{9,238} + 2p_{9,305} + p_{9,89} + 2p_{9,345}\\&+ p_{9,473} + p_{9,37} + 2p_{9,109} + p_{9,445} + p_{9,381} + p_{9,451} + p_{9,403}\\&+ p_{9,211} + p_{9,219} + p_{9,123} + p_{9,251} + p_{9,7} + p_{9,279} + p_{9,439})\end{aligned}}$$

$$p_{10,427} = \frac{1}{2}p_{9,427} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,427}^2 - 4(2p_{9,0} + p_{9,192} + p_{9,304} + p_{9,20} + p_{9,140}\\&+ p_{9,28} + 2p_{9,2} + p_{9,6} + 2p_{9,494} + 2p_{9,49} + 2p_{9,89} + p_{9,345}\\&+ p_{9,217} + p_{9,293} + 2p_{9,365} + p_{9,189} + p_{9,125} + p_{9,195} + p_{9,147}\\&+ p_{9,467} + p_{9,475} + p_{9,379} + p_{9,507} + p_{9,263} + p_{9,23} + p_{9,183})\end{aligned}}$$

$$p_{10,939} = \frac{1}{2}p_{9,427} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,427}^2 - 4(2p_{9,0} + p_{9,192} + p_{9,304} + p_{9,20} + p_{9,140}\\&+ p_{9,28} + 2p_{9,2} + p_{9,6} + 2p_{9,494} + 2p_{9,49} + 2p_{9,89} + p_{9,345}\\&+ p_{9,217} + p_{9,293} + 2p_{9,365} + p_{9,189} + p_{9,125} + p_{9,195} + p_{9,147}\\&+ p_{9,467} + p_{9,475} + p_{9,379} + p_{9,507} + p_{9,263} + p_{9,23} + p_{9,183})\end{aligned}}$$

3 unreferenced roots were skipped

$$p_{10,875} = \frac{1}{2}p_{9,363} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,363}^2 - 4(p_{9,128} + 2p_{9,448} + p_{9,240} + p_{9,468} + p_{9,76}\\&+ p_{9,476} + 2p_{9,450} + p_{9,454} + 2p_{9,430} + 2p_{9,497} + 2p_{9,25} + p_{9,281}\\&+ p_{9,153} + p_{9,229} + 2p_{9,301} + p_{9,61} + p_{9,125} + p_{9,131} + p_{9,403}\\&+ p_{9,83} + p_{9,411} + p_{9,315} + p_{9,443} + p_{9,199} + p_{9,471} + p_{9,119})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,747} = \frac{1}{2}p_{9,235} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,235}^2 - 4(p_{9,0} + 2p_{9,320} + p_{9,112} + p_{9,340} + p_{9,460}\\&+ p_{9,348} + 2p_{9,322} + p_{9,326} + 2p_{9,302} + 2p_{9,369} + p_{9,25} + p_{9,153}\\&+ 2p_{9,409} + p_{9,101} + 2p_{9,173} + p_{9,445} + p_{9,509} + p_{9,3} + p_{9,275}\\&+ p_{9,467} + p_{9,283} + p_{9,315} + p_{9,187} + p_{9,71} + p_{9,343} + p_{9,503})\end{aligned}}$$

2 unreferenced roots were skipped

$$p_{10,27} = \frac{1}{2}p_{9,27} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,27}^2 - 4(p_{9,416} + p_{9,304} + 2p_{9,112} + p_{9,132} + p_{9,140}\\&+ p_{9,252} + 2p_{9,114} + p_{9,118} + 2p_{9,94} + 2p_{9,161} + p_{9,329} + 2p_{9,201}\\&+ p_{9,457} + p_{9,405} + p_{9,301} + p_{9,237} + 2p_{9,477} + p_{9,259} + p_{9,67}\\&+ p_{9,307} + p_{9,75} + p_{9,107} + p_{9,491} + p_{9,135} + p_{9,295} + p_{9,375})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,283} = \frac{1}{2}p_{9,283} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,283}^2 - 4(p_{9,160} + p_{9,48} + 2p_{9,368} + p_{9,388} + p_{9,396}\\&+ p_{9,508} + 2p_{9,370} + p_{9,374} + 2p_{9,350} + 2p_{9,417} + p_{9,73} + p_{9,201}\\&+ 2p_{9,457} + p_{9,149} + p_{9,45} + p_{9,493} + 2p_{9,221} + p_{9,3} + p_{9,323}\\&+ p_{9,51} + p_{9,331} + p_{9,363} + p_{9,235} + p_{9,391} + p_{9,39} + p_{9,119})\end{aligned}}$$

$$p_{10,795} = \frac{1}{2}p_{9,283} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,283}^2 - 4(p_{9,160} + p_{9,48} + 2p_{9,368} + p_{9,388} + p_{9,396}\\&+ p_{9,508} + 2p_{9,370} + p_{9,374} + 2p_{9,350} + 2p_{9,417} + p_{9,73} + p_{9,201}\\&+ 2p_{9,457} + p_{9,149} + p_{9,45} + p_{9,493} + 2p_{9,221} + p_{9,3} + p_{9,323}\\&+ p_{9,51} + p_{9,331} + p_{9,363} + p_{9,235} + p_{9,391} + p_{9,39} + p_{9,119})\end{aligned}}$$

$$p_{10,155} = \frac{1}{2}p_{9,155} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,155}^2 - 4(p_{9,32} + p_{9,432} + 2p_{9,240} + p_{9,260} + p_{9,268}\\&+ p_{9,380} + 2p_{9,242} + p_{9,246} + 2p_{9,222} + 2p_{9,289} + p_{9,73} + 2p_{9,329}\\&+ p_{9,457} + p_{9,21} + p_{9,429} + p_{9,365} + 2p_{9,93} + p_{9,387} + p_{9,195}\\&+ p_{9,435} + p_{9,203} + p_{9,107} + p_{9,235} + p_{9,263} + p_{9,423} + p_{9,503})\end{aligned}}$$

$$p_{10,667} = \frac{1}{2}p_{9,155} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,155}^2 - 4(p_{9,32} + p_{9,432} + 2p_{9,240} + p_{9,260} + p_{9,268}\\&+ p_{9,380} + 2p_{9,242} + p_{9,246} + 2p_{9,222} + 2p_{9,289} + p_{9,73} + 2p_{9,329}\\&+ p_{9,457} + p_{9,21} + p_{9,429} + p_{9,365} + 2p_{9,93} + p_{9,387} + p_{9,195}\\&+ p_{9,435} + p_{9,203} + p_{9,107} + p_{9,235} + p_{9,263} + p_{9,423} + p_{9,503})\end{aligned}}$$

$$p_{10,411} = \frac{1}{2}p_{9,411} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,411}^2 - 4(p_{9,288} + p_{9,176} + 2p_{9,496} + p_{9,4} + p_{9,12}\\&+ p_{9,124} + 2p_{9,498} + p_{9,502} + 2p_{9,478} + 2p_{9,33} + 2p_{9,73} + p_{9,329}\\&+ p_{9,201} + p_{9,277} + p_{9,173} + p_{9,109} + 2p_{9,349} + p_{9,131} + p_{9,451}\\&+ p_{9,179} + p_{9,459} + p_{9,363} + p_{9,491} + p_{9,7} + p_{9,167} + p_{9,247})\end{aligned}}$$

$$p_{10,923} = \frac{1}{2}p_{9,411} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,411}^2 - 4(p_{9,288} + p_{9,176} + 2p_{9,496} + p_{9,4} + p_{9,12}\\&+ p_{9,124} + 2p_{9,498} + p_{9,502} + 2p_{9,478} + 2p_{9,33} + 2p_{9,73} + p_{9,329}\\&+ p_{9,201} + p_{9,277} + p_{9,173} + p_{9,109} + 2p_{9,349} + p_{9,131} + p_{9,451}\\&+ p_{9,179} + p_{9,459} + p_{9,363} + p_{9,491} + p_{9,7} + p_{9,167} + p_{9,247})\end{aligned}}$$

$$p_{10,91} = \frac{1}{2}p_{9,91} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,91}^2 - 4(p_{9,480} + 2p_{9,176} + p_{9,368} + p_{9,196} + p_{9,204}\\&+ p_{9,316} + 2p_{9,178} + p_{9,182} + 2p_{9,158} + 2p_{9,225} + p_{9,9} + 2p_{9,265}\\&+ p_{9,393} + p_{9,469} + p_{9,301} + p_{9,365} + 2p_{9,29} + p_{9,131} + p_{9,323}\\&+ p_{9,371} + p_{9,139} + p_{9,43} + p_{9,171} + p_{9,199} + p_{9,359} + p_{9,439})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,347} = \frac{1}{2}p_{9,347} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,347}^2 - 4(p_{9,224} + 2p_{9,432} + p_{9,112} + p_{9,452} + p_{9,460}\\&+ p_{9,60} + 2p_{9,434} + p_{9,438} + 2p_{9,414} + 2p_{9,481} + 2p_{9,9} + p_{9,265}\\&+ p_{9,137} + p_{9,213} + p_{9,45} + p_{9,109} + 2p_{9,285} + p_{9,387} + p_{9,67}\\&+ p_{9,115} + p_{9,395} + p_{9,299} + p_{9,427} + p_{9,455} + p_{9,103} + p_{9,183})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,219} = \frac{1}{2}p_{9,219} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,219}^2 - 4(p_{9,96} + 2p_{9,304} + p_{9,496} + p_{9,324} + p_{9,332}\\&+ p_{9,444} + 2p_{9,306} + p_{9,310} + 2p_{9,286} + 2p_{9,353} + p_{9,9} + p_{9,137}\\&+ 2p_{9,393} + p_{9,85} + p_{9,429} + p_{9,493} + 2p_{9,157} + p_{9,259} + p_{9,451}\\&+ p_{9,499} + p_{9,267} + p_{9,299} + p_{9,171} + p_{9,327} + p_{9,487} + p_{9,55})\end{aligned}}$$

$$p_{10,731} = \frac{1}{2}p_{9,219} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,219}^2 - 4(p_{9,96} + 2p_{9,304} + p_{9,496} + p_{9,324} + p_{9,332}\\&+ p_{9,444} + 2p_{9,306} + p_{9,310} + 2p_{9,286} + 2p_{9,353} + p_{9,9} + p_{9,137}\\&+ 2p_{9,393} + p_{9,85} + p_{9,429} + p_{9,493} + 2p_{9,157} + p_{9,259} + p_{9,451}\\&+ p_{9,499} + p_{9,267} + p_{9,299} + p_{9,171} + p_{9,327} + p_{9,487} + p_{9,55})\end{aligned}}$$

$$p_{10,475} = \frac{1}{2}p_{9,475} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,475}^2 - 4(p_{9,352} + 2p_{9,48} + p_{9,240} + p_{9,68} + p_{9,76}\\&+ p_{9,188} + 2p_{9,50} + p_{9,54} + 2p_{9,30} + 2p_{9,97} + p_{9,265} + 2p_{9,137}\\&+ p_{9,393} + p_{9,341} + p_{9,173} + p_{9,237} + 2p_{9,413} + p_{9,3} + p_{9,195}\\&+ p_{9,243} + p_{9,11} + p_{9,43} + p_{9,427} + p_{9,71} + p_{9,231} + p_{9,311})\end{aligned}}$$

$$p_{10,987} = \frac{1}{2}p_{9,475} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,475}^2 - 4(p_{9,352} + 2p_{9,48} + p_{9,240} + p_{9,68} + p_{9,76}\\&+ p_{9,188} + 2p_{9,50} + p_{9,54} + 2p_{9,30} + 2p_{9,97} + p_{9,265} + 2p_{9,137}\\&+ p_{9,393} + p_{9,341} + p_{9,173} + p_{9,237} + 2p_{9,413} + p_{9,3} + p_{9,195}\\&+ p_{9,243} + p_{9,11} + p_{9,43} + p_{9,427} + p_{9,71} + p_{9,231} + p_{9,311})\end{aligned}}$$

$$p_{10,59} = \frac{1}{2}p_{9,59} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,59}^2 - 4(p_{9,448} + 2p_{9,144} + p_{9,336} + p_{9,164} + p_{9,172}\\&+ p_{9,284} + 2p_{9,146} + p_{9,150} + 2p_{9,126} + 2p_{9,193} + p_{9,361} + 2p_{9,233}\\&+ p_{9,489} + p_{9,437} + p_{9,269} + p_{9,333} + 2p_{9,509} + p_{9,291} + p_{9,99}\\&+ p_{9,339} + p_{9,11} + p_{9,139} + p_{9,107} + p_{9,327} + p_{9,167} + p_{9,407})\end{aligned}}$$

$$p_{10,571} = \frac{1}{2}p_{9,59} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,59}^2 - 4(p_{9,448} + 2p_{9,144} + p_{9,336} + p_{9,164} + p_{9,172}\\&+ p_{9,284} + 2p_{9,146} + p_{9,150} + 2p_{9,126} + 2p_{9,193} + p_{9,361} + 2p_{9,233}\\&+ p_{9,489} + p_{9,437} + p_{9,269} + p_{9,333} + 2p_{9,509} + p_{9,291} + p_{9,99}\\&+ p_{9,339} + p_{9,11} + p_{9,139} + p_{9,107} + p_{9,327} + p_{9,167} + p_{9,407})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,827} = \frac{1}{2}p_{9,315} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,315}^2 - 4(p_{9,192} + 2p_{9,400} + p_{9,80} + p_{9,420} + p_{9,428}\\&+ p_{9,28} + 2p_{9,402} + p_{9,406} + 2p_{9,382} + 2p_{9,449} + p_{9,105} + p_{9,233}\\&+ 2p_{9,489} + p_{9,181} + p_{9,13} + p_{9,77} + 2p_{9,253} + p_{9,35} + p_{9,355}\\&+ p_{9,83} + p_{9,267} + p_{9,395} + p_{9,363} + p_{9,71} + p_{9,423} + p_{9,151})\end{aligned}}$$

$$p_{10,187} = \frac{1}{2}p_{9,187} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,187}^2 - 4(p_{9,64} + 2p_{9,272} + p_{9,464} + p_{9,292} + p_{9,300}\\&+ p_{9,412} + 2p_{9,274} + p_{9,278} + 2p_{9,254} + 2p_{9,321} + p_{9,105} + 2p_{9,361}\\&+ p_{9,489} + p_{9,53} + p_{9,397} + p_{9,461} + 2p_{9,125} + p_{9,419} + p_{9,227}\\&+ p_{9,467} + p_{9,267} + p_{9,139} + p_{9,235} + p_{9,455} + p_{9,295} + p_{9,23})\end{aligned}}$$

$$p_{10,699} = \frac{1}{2}p_{9,187} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,187}^2 - 4(p_{9,64} + 2p_{9,272} + p_{9,464} + p_{9,292} + p_{9,300}\\&+ p_{9,412} + 2p_{9,274} + p_{9,278} + 2p_{9,254} + 2p_{9,321} + p_{9,105} + 2p_{9,361}\\&+ p_{9,489} + p_{9,53} + p_{9,397} + p_{9,461} + 2p_{9,125} + p_{9,419} + p_{9,227}\\&+ p_{9,467} + p_{9,267} + p_{9,139} + p_{9,235} + p_{9,455} + p_{9,295} + p_{9,23})\end{aligned}}$$

$$p_{10,443} = \frac{1}{2}p_{9,443} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,443}^2 - 4(p_{9,320} + 2p_{9,16} + p_{9,208} + p_{9,36} + p_{9,44}\\&+ p_{9,156} + 2p_{9,18} + p_{9,22} + 2p_{9,510} + 2p_{9,65} + 2p_{9,105} + p_{9,361}\\&+ p_{9,233} + p_{9,309} + p_{9,141} + p_{9,205} + 2p_{9,381} + p_{9,163} + p_{9,483}\\&+ p_{9,211} + p_{9,11} + p_{9,395} + p_{9,491} + p_{9,199} + p_{9,39} + p_{9,279})\end{aligned}}$$

$$p_{10,955} = \frac{1}{2}p_{9,443} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,443}^2 - 4(p_{9,320} + 2p_{9,16} + p_{9,208} + p_{9,36} + p_{9,44}\\&+ p_{9,156} + 2p_{9,18} + p_{9,22} + 2p_{9,510} + 2p_{9,65} + 2p_{9,105} + p_{9,361}\\&+ p_{9,233} + p_{9,309} + p_{9,141} + p_{9,205} + 2p_{9,381} + p_{9,163} + p_{9,483}\\&+ p_{9,211} + p_{9,11} + p_{9,395} + p_{9,491} + p_{9,199} + p_{9,39} + p_{9,279})\end{aligned}}$$

$$p_{10,123} = \frac{1}{2}p_{9,123} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,123}^2 - 4(p_{9,0} + p_{9,400} + 2p_{9,208} + p_{9,228} + p_{9,236}\\ &+ p_{9,348} + 2p_{9,210} + p_{9,214} + 2p_{9,190} + 2p_{9,257} + p_{9,41} + 2p_{9,297}\\ &+ p_{9,425} + p_{9,501} + p_{9,397} + p_{9,333} + 2p_{9,61} + p_{9,163} + p_{9,355}\\ &+ p_{9,403} + p_{9,75} + p_{9,203} + p_{9,171} + p_{9,391} + p_{9,231} + p_{9,471})\end{aligned}}$$

$$p_{10,635} = \frac{1}{2}p_{9,123} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,123}^2 - 4(p_{9,0} + p_{9,400} + 2p_{9,208} + p_{9,228} + p_{9,236}\\ &+ p_{9,348} + 2p_{9,210} + p_{9,214} + 2p_{9,190} + 2p_{9,257} + p_{9,41} + 2p_{9,297}\\ &+ p_{9,425} + p_{9,501} + p_{9,397} + p_{9,333} + 2p_{9,61} + p_{9,163} + p_{9,355}\\ &+ p_{9,403} + p_{9,75} + p_{9,203} + p_{9,171} + p_{9,391} + p_{9,231} + p_{9,471})\end{aligned}}$$

$$p_{10,379} = \frac{1}{2}p_{9,379} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,379}^2 - 4(p_{9,256} + p_{9,144} + 2p_{9,464} + p_{9,484} + p_{9,492}\\ &+ p_{9,92} + 2p_{9,466} + p_{9,470} + 2p_{9,446} + 2p_{9,1} + 2p_{9,41} + p_{9,297}\\ &+ p_{9,169} + p_{9,245} + p_{9,141} + p_{9,77} + 2p_{9,317} + p_{9,419} + p_{9,99}\\ &+ p_{9,147} + p_{9,331} + p_{9,459} + p_{9,427} + p_{9,135} + p_{9,487} + p_{9,215})\end{aligned}}$$

$$p_{10,891} = \frac{1}{2}p_{9,379} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,379}^2 - 4(p_{9,256} + p_{9,144} + 2p_{9,464} + p_{9,484} + p_{9,492}\\ &+ p_{9,92} + 2p_{9,466} + p_{9,470} + 2p_{9,446} + 2p_{9,1} + 2p_{9,41} + p_{9,297}\\ &+ p_{9,169} + p_{9,245} + p_{9,141} + p_{9,77} + 2p_{9,317} + p_{9,419} + p_{9,99}\\ &+ p_{9,147} + p_{9,331} + p_{9,459} + p_{9,427} + p_{9,135} + p_{9,487} + p_{9,215})\end{aligned}}$$

$$p_{10,251} = \frac{1}{2}p_{9,251} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,251}^2 - 4(p_{9,128} + p_{9,16} + 2p_{9,336} + p_{9,356} + p_{9,364}\\ &+ p_{9,476} + 2p_{9,338} + p_{9,342} + 2p_{9,318} + 2p_{9,385} + p_{9,41} + p_{9,169}\\ &+ 2p_{9,425} + p_{9,117} + p_{9,13} + p_{9,461} + 2p_{9,189} + p_{9,291} + p_{9,483}\\ &+ p_{9,19} + p_{9,331} + p_{9,203} + p_{9,299} + p_{9,7} + p_{9,359} + p_{9,87})\end{aligned}}$$

$$p_{10,763} = \frac{1}{2}p_{9,251} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,251}^2 - 4(p_{9,128} + p_{9,16} + 2p_{9,336} + p_{9,356} + p_{9,364}\\ &+ p_{9,476} + 2p_{9,338} + p_{9,342} + 2p_{9,318} + 2p_{9,385} + p_{9,41} + p_{9,169}\\ &+ 2p_{9,425} + p_{9,117} + p_{9,13} + p_{9,461} + 2p_{9,189} + p_{9,291} + p_{9,483}\\ &+ p_{9,19} + p_{9,331} + p_{9,203} + p_{9,299} + p_{9,7} + p_{9,359} + p_{9,87})\end{aligned}}$$

$$p_{10,507} = \frac{1}{2}p_{9,507} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,507}^2 - 4(p_{9,384} + p_{9,272} + 2p_{9,80} + p_{9,100} + p_{9,108}\\ &+ p_{9,220} + 2p_{9,82} + p_{9,86} + 2p_{9,62} + 2p_{9,129} + p_{9,297} + 2p_{9,169}\\ &+ p_{9,425} + p_{9,373} + p_{9,269} + p_{9,205} + 2p_{9,445} + p_{9,35} + p_{9,227}\\ &+ p_{9,275} + p_{9,75} + p_{9,459} + p_{9,43} + p_{9,263} + p_{9,103} + p_{9,343})\end{aligned}}$$

$$p_{10,1019} = \frac{1}{2}p_{9,507} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,507}^2 - 4(p_{9,384} + p_{9,272} + 2p_{9,80} + p_{9,100} + p_{9,108}\\ &+ p_{9,220} + 2p_{9,82} + p_{9,86} + 2p_{9,62} + 2p_{9,129} + p_{9,297} + 2p_{9,169}\\ &+ p_{9,425} + p_{9,373} + p_{9,269} + p_{9,205} + 2p_{9,445} + p_{9,35} + p_{9,227}\\ &+ p_{9,275} + p_{9,75} + p_{9,459} + p_{9,43} + p_{9,263} + p_{9,103} + p_{9,343})\end{aligned}}$$

$$p_{10,7} = \frac{1}{2}p_{9,7} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,7}^2 - 4(p_{9,112} + p_{9,232} + p_{9,120} + p_{9,396} + p_{9,284}\\ &+ 2p_{9,92} + p_{9,98} + 2p_{9,74} + 2p_{9,94} + p_{9,385} + 2p_{9,457} + p_{9,281}\\ &+ p_{9,217} + p_{9,309} + 2p_{9,181} + p_{9,437} + 2p_{9,141} + p_{9,355} + p_{9,275}\\ &+ p_{9,115} + p_{9,87} + p_{9,471} + p_{9,55} + p_{9,47} + p_{9,239} + p_{9,287})\end{aligned}}$$

$$p_{10,519} = \frac{1}{2}p_{9,7} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,7}^2 - 4(p_{9,112} + p_{9,232} + p_{9,120} + p_{9,396} + p_{9,284}\\&+ 2p_{9,92} + p_{9,98} + 2p_{9,74} + 2p_{9,94} + p_{9,385} + 2p_{9,457} + p_{9,281}\\&+ p_{9,217} + p_{9,309} + 2p_{9,181} + p_{9,437} + 2p_{9,141} + p_{9,355} + p_{9,275}\\&+ p_{9,115} + p_{9,87} + p_{9,471} + p_{9,55} + p_{9,47} + p_{9,239} + p_{9,287})\end{aligned}}$$

$$p_{10,263} = \frac{1}{2}p_{9,263} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,263}^2 - 4(p_{9,368} + p_{9,488} + p_{9,376} + p_{9,140} + p_{9,28}\\&+ 2p_{9,348} + p_{9,354} + 2p_{9,330} + 2p_{9,350} + p_{9,129} + 2p_{9,201} + p_{9,25}\\&+ p_{9,473} + p_{9,53} + p_{9,181} + 2p_{9,437} + 2p_{9,397} + p_{9,99} + p_{9,19}\\&+ p_{9,371} + p_{9,343} + p_{9,215} + p_{9,311} + p_{9,303} + p_{9,495} + p_{9,31})\end{aligned}}$$

$$p_{10,775} = \frac{1}{2}p_{9,263} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,263}^2 - 4(p_{9,368} + p_{9,488} + p_{9,376} + p_{9,140} + p_{9,28}\\&+ 2p_{9,348} + p_{9,354} + 2p_{9,330} + 2p_{9,350} + p_{9,129} + 2p_{9,201} + p_{9,25}\\&+ p_{9,473} + p_{9,53} + p_{9,181} + 2p_{9,437} + 2p_{9,397} + p_{9,99} + p_{9,19}\\&+ p_{9,371} + p_{9,343} + p_{9,215} + p_{9,311} + p_{9,303} + p_{9,495} + p_{9,31})\end{aligned}}$$

$$p_{10,135} = \frac{1}{2}p_{9,135} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,135}^2 - 4(p_{9,240} + p_{9,360} + p_{9,248} + p_{9,12} + p_{9,412}\\&+ 2p_{9,220} + p_{9,226} + 2p_{9,202} + 2p_{9,222} + p_{9,1} + 2p_{9,73} + p_{9,409}\\&+ p_{9,345} + p_{9,53} + 2p_{9,309} + p_{9,437} + 2p_{9,269} + p_{9,483} + p_{9,403}\\&+ p_{9,243} + p_{9,87} + p_{9,215} + p_{9,183} + p_{9,175} + p_{9,367} + p_{9,415})\end{aligned}}$$

2 unreferenced roots were skipped

$$p_{10,903} = \frac{1}{2}p_{9,391} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,391}^2 - 4(p_{9,496} + p_{9,104} + p_{9,504} + p_{9,268} + p_{9,156}\\&+ 2p_{9,476} + p_{9,482} + 2p_{9,458} + 2p_{9,478} + p_{9,257} + 2p_{9,329} + p_{9,153}\\&+ p_{9,89} + 2p_{9,53} + p_{9,309} + p_{9,181} + 2p_{9,13} + p_{9,227} + p_{9,147}\\&+ p_{9,499} + p_{9,343} + p_{9,471} + p_{9,439} + p_{9,431} + p_{9,111} + p_{9,159})\end{aligned}}$$

$$p_{10,71} = \frac{1}{2}p_{9,71} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,71}^2 - 4(p_{9,176} + p_{9,296} + p_{9,184} + p_{9,460} + 2p_{9,156}\\&+ p_{9,348} + p_{9,162} + 2p_{9,138} + 2p_{9,158} + p_{9,449} + 2p_{9,9} + p_{9,281}\\&+ p_{9,345} + p_{9,373} + 2p_{9,245} + p_{9,501} + 2p_{9,205} + p_{9,419} + p_{9,339}\\&+ p_{9,179} + p_{9,23} + p_{9,151} + p_{9,119} + p_{9,303} + p_{9,111} + p_{9,351})\end{aligned}}$$

$$p_{10,583} = \frac{1}{2}p_{9,71} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,71}^2 - 4(p_{9,176} + p_{9,296} + p_{9,184} + p_{9,460} + 2p_{9,156}\\&+ p_{9,348} + p_{9,162} + 2p_{9,138} + 2p_{9,158} + p_{9,449} + 2p_{9,9} + p_{9,281}\\&+ p_{9,345} + p_{9,373} + 2p_{9,245} + p_{9,501} + 2p_{9,205} + p_{9,419} + p_{9,339}\\&+ p_{9,179} + p_{9,23} + p_{9,151} + p_{9,119} + p_{9,303} + p_{9,111} + p_{9,351})\end{aligned}}$$

$$p_{10,327} = \frac{1}{2}p_{9,327} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,327}^2 - 4(p_{9,432} + p_{9,40} + p_{9,440} + p_{9,204} + 2p_{9,412}\\&+ p_{9,92} + p_{9,418} + 2p_{9,394} + 2p_{9,414} + p_{9,193} + 2p_{9,265} + p_{9,25}\\&+ p_{9,89} + p_{9,117} + p_{9,245} + 2p_{9,501} + 2p_{9,461} + p_{9,163} + p_{9,83}\\&+ p_{9,435} + p_{9,279} + p_{9,407} + p_{9,375} + p_{9,47} + p_{9,367} + p_{9,95})\end{aligned}}$$

$$p_{10,839} = \frac{1}{2}p_{9,327} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,327}^2 - 4(p_{9,432} + p_{9,40} + p_{9,440} + p_{9,204} + 2p_{9,412}\\&+ p_{9,92} + p_{9,418} + 2p_{9,394} + 2p_{9,414} + p_{9,193} + 2p_{9,265} + p_{9,25}\\&+ p_{9,89} + p_{9,117} + p_{9,245} + 2p_{9,501} + 2p_{9,461} + p_{9,163} + p_{9,83}\\&+ p_{9,435} + p_{9,279} + p_{9,407} + p_{9,375} + p_{9,47} + p_{9,367} + p_{9,95})\end{aligned}}$$

2 unreferenced roots were skipped

$$p_{10,455} = \frac{1}{2}p_{9,455} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,455}^2 - 4(p_{9,48} + p_{9,168} + p_{9,56} + p_{9,332} + 2p_{9,28}\\&+ p_{9,220} + p_{9,34} + 2p_{9,10} + 2p_{9,30} + p_{9,321} + 2p_{9,393} + p_{9,153}\\&+ p_{9,217} + 2p_{9,117} + p_{9,373} + p_{9,245} + 2p_{9,77} + p_{9,291} + p_{9,211}\\&+ p_{9,51} + p_{9,23} + p_{9,407} + p_{9,503} + p_{9,175} + p_{9,495} + p_{9,223})\end{aligned}}$$

$$p_{10,967} = \frac{1}{2}p_{9,455} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,455}^2 - 4(p_{9,48} + p_{9,168} + p_{9,56} + p_{9,332} + 2p_{9,28}\\&+ p_{9,220} + p_{9,34} + 2p_{9,10} + 2p_{9,30} + p_{9,321} + 2p_{9,393} + p_{9,153}\\&+ p_{9,217} + 2p_{9,117} + p_{9,373} + p_{9,245} + 2p_{9,77} + p_{9,291} + p_{9,211}\\&+ p_{9,51} + p_{9,23} + p_{9,407} + p_{9,503} + p_{9,175} + p_{9,495} + p_{9,223})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,551} = \frac{1}{2}p_{9,39} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,39}^2 - 4(p_{9,144} + p_{9,264} + p_{9,152} + p_{9,428} + p_{9,316}\\&+ 2p_{9,124} + p_{9,130} + 2p_{9,106} + 2p_{9,126} + p_{9,417} + 2p_{9,489} + p_{9,313}\\&+ p_{9,249} + p_{9,341} + 2p_{9,213} + p_{9,469} + 2p_{9,173} + p_{9,387} + p_{9,147}\\&+ p_{9,307} + p_{9,87} + p_{9,119} + p_{9,503} + p_{9,271} + p_{9,79} + p_{9,319})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,807} = \frac{1}{2}p_{9,295} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,295}^2 - 4(p_{9,400} + p_{9,8} + p_{9,408} + p_{9,172} + p_{9,60}\\&+ 2p_{9,380} + p_{9,386} + 2p_{9,362} + 2p_{9,382} + p_{9,161} + 2p_{9,233} + p_{9,57}\\&+ p_{9,505} + p_{9,85} + p_{9,213} + 2p_{9,469} + 2p_{9,429} + p_{9,131} + p_{9,403}\\&+ p_{9,51} + p_{9,343} + p_{9,375} + p_{9,247} + p_{9,15} + p_{9,335} + p_{9,63})\end{aligned}}$$

$$p_{10,167} = \frac{1}{2}p_{9,167} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,167}^2 - 4(p_{9,272} + p_{9,392} + p_{9,280} + p_{9,44} + p_{9,444}\\&+ 2p_{9,252} + p_{9,258} + 2p_{9,234} + 2p_{9,254} + p_{9,33} + 2p_{9,105} + p_{9,441}\\&+ p_{9,377} + p_{9,85} + 2p_{9,341} + p_{9,469} + 2p_{9,301} + p_{9,3} + p_{9,275}\\&+ p_{9,435} + p_{9,215} + p_{9,119} + p_{9,247} + p_{9,399} + p_{9,207} + p_{9,447})\end{aligned}}$$

$$p_{10,679} = \frac{1}{2}p_{9,167} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,167}^2 - 4(p_{9,272} + p_{9,392} + p_{9,280} + p_{9,44} + p_{9,444}\\&+ 2p_{9,252} + p_{9,258} + 2p_{9,234} + 2p_{9,254} + p_{9,33} + 2p_{9,105} + p_{9,441}\\&+ p_{9,377} + p_{9,85} + 2p_{9,341} + p_{9,469} + 2p_{9,301} + p_{9,3} + p_{9,275}\\&+ p_{9,435} + p_{9,215} + p_{9,119} + p_{9,247} + p_{9,399} + p_{9,207} + p_{9,447})\end{aligned}}$$

$$p_{10,423} = \frac{1}{2}p_{9,423} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,423}^2 - 4(p_{9,16} + p_{9,136} + p_{9,24} + p_{9,300} + p_{9,188}\\&+ 2p_{9,508} + p_{9,2} + 2p_{9,490} + 2p_{9,510} + p_{9,289} + 2p_{9,361} + p_{9,185}\\&+ p_{9,121} + 2p_{9,85} + p_{9,341} + p_{9,213} + 2p_{9,45} + p_{9,259} + p_{9,19}\\&+ p_{9,179} + p_{9,471} + p_{9,375} + p_{9,503} + p_{9,143} + p_{9,463} + p_{9,191})\end{aligned}}$$

$$p_{10,935} = \frac{1}{2}p_{9,423} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,423}^2 - 4(p_{9,16} + p_{9,136} + p_{9,24} + p_{9,300} + p_{9,188}\\&+ 2p_{9,508} + p_{9,2} + 2p_{9,490} + 2p_{9,510} + p_{9,289} + 2p_{9,361} + p_{9,185}\\&+ p_{9,121} + 2p_{9,85} + p_{9,341} + p_{9,213} + 2p_{9,45} + p_{9,259} + p_{9,19}\\&+ p_{9,179} + p_{9,471} + p_{9,375} + p_{9,503} + p_{9,143} + p_{9,463} + p_{9,191})\end{aligned}}$$

$$p_{10,103} = \frac{1}{2}p_{9,103} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,103}^2 - 4(p_{9,208} + p_{9,328} + p_{9,216} + p_{9,492} + 2p_{9,188}\\&+ p_{9,380} + p_{9,194} + 2p_{9,170} + 2p_{9,190} + p_{9,481} + 2p_{9,41} + p_{9,313}\\&+ p_{9,377} + p_{9,21} + 2p_{9,277} + p_{9,405} + 2p_{9,237} + p_{9,451} + p_{9,211}\\&+ p_{9,371} + p_{9,151} + p_{9,55} + p_{9,183} + p_{9,143} + p_{9,335} + p_{9,383})\end{aligned}}$$

$$p_{10,615} = \frac{1}{2}p_{9,103} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,103}^2 - 4(p_{9,208} + p_{9,328} + p_{9,216} + p_{9,492} + 2p_{9,188}\\&+ p_{9,380} + p_{9,194} + 2p_{9,170} + 2p_{9,190} + p_{9,481} + 2p_{9,41} + p_{9,313}\\&+ p_{9,377} + p_{9,21} + 2p_{9,277} + p_{9,405} + 2p_{9,237} + p_{9,451} + p_{9,211}\\&+ p_{9,371} + p_{9,151} + p_{9,55} + p_{9,183} + p_{9,143} + p_{9,335} + p_{9,383})\end{aligned}}$$

$$p_{10,359} = \frac{1}{2}p_{9,359} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,359}^2 - 4(p_{9,464} + p_{9,72} + p_{9,472} + p_{9,236} + 2p_{9,444}\\&+ p_{9,124} + p_{9,450} + 2p_{9,426} + 2p_{9,446} + p_{9,225} + 2p_{9,297} + p_{9,57}\\&+ p_{9,121} + 2p_{9,21} + p_{9,277} + p_{9,149} + 2p_{9,493} + p_{9,195} + p_{9,467}\\&+ p_{9,115} + p_{9,407} + p_{9,311} + p_{9,439} + p_{9,399} + p_{9,79} + p_{9,127})\end{aligned}}$$

$$p_{10,871} = \frac{1}{2}p_{9,359} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,359}^2 - 4(p_{9,464} + p_{9,72} + p_{9,472} + p_{9,236} + 2p_{9,444}\\&+ p_{9,124} + p_{9,450} + 2p_{9,426} + 2p_{9,446} + p_{9,225} + 2p_{9,297} + p_{9,57}\\&+ p_{9,121} + 2p_{9,21} + p_{9,277} + p_{9,149} + 2p_{9,493} + p_{9,195} + p_{9,467}\\&+ p_{9,115} + p_{9,407} + p_{9,311} + p_{9,439} + p_{9,399} + p_{9,79} + p_{9,127})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,743} = \frac{1}{2}p_{9,231} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,231}^2 - 4(p_{9,336} + p_{9,456} + p_{9,344} + p_{9,108} + 2p_{9,316}\\&+ p_{9,508} + p_{9,322} + 2p_{9,298} + 2p_{9,318} + p_{9,97} + 2p_{9,169} + p_{9,441}\\&+ p_{9,505} + p_{9,21} + p_{9,149} + 2p_{9,405} + 2p_{9,365} + p_{9,67} + p_{9,339}\\&+ p_{9,499} + p_{9,279} + p_{9,311} + p_{9,183} + p_{9,271} + p_{9,463} + p_{9,511})\end{aligned}}$$

$$p_{10,487} = \frac{1}{2}p_{9,487} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,487}^2 - 4(p_{9,80} + p_{9,200} + p_{9,88} + p_{9,364} + 2p_{9,60}\\&+ p_{9,252} + p_{9,66} + 2p_{9,42} + 2p_{9,62} + p_{9,353} + 2p_{9,425} + p_{9,185}\\&+ p_{9,249} + p_{9,277} + 2p_{9,149} + p_{9,405} + 2p_{9,109} + p_{9,323} + p_{9,83}\\&+ p_{9,243} + p_{9,23} + p_{9,55} + p_{9,439} + p_{9,15} + p_{9,207} + p_{9,255})\end{aligned}}$$

$$p_{10,999} = \frac{1}{2}p_{9,487} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,487}^2 - 4(p_{9,80} + p_{9,200} + p_{9,88} + p_{9,364} + 2p_{9,60}\\&+ p_{9,252} + p_{9,66} + 2p_{9,42} + 2p_{9,62} + p_{9,353} + 2p_{9,425} + p_{9,185}\\&+ p_{9,249} + p_{9,277} + 2p_{9,149} + p_{9,405} + 2p_{9,109} + p_{9,323} + p_{9,83}\\&+ p_{9,243} + p_{9,23} + p_{9,55} + p_{9,439} + p_{9,15} + p_{9,207} + p_{9,255})\end{aligned}}$$

$$p_{10,23} = \frac{1}{2}p_{9,23} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,23}^2 - 4(p_{9,128} + p_{9,136} + p_{9,248} + p_{9,300} + 2p_{9,108}\\&+ p_{9,412} + p_{9,114} + 2p_{9,90} + 2p_{9,110} + p_{9,401} + p_{9,297} + p_{9,233}\\&+ 2p_{9,473} + p_{9,325} + 2p_{9,197} + p_{9,453} + 2p_{9,157} + p_{9,131} + p_{9,291}\\&+ p_{9,371} + p_{9,71} + p_{9,103} + p_{9,487} + p_{9,303} + p_{9,63} + p_{9,255})\end{aligned}}$$

$$p_{10,535} = \frac{1}{2}p_{9,23} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,23}^2 - 4(p_{9,128} + p_{9,136} + p_{9,248} + p_{9,300} + 2p_{9,108}\\&+ p_{9,412} + p_{9,114} + 2p_{9,90} + 2p_{9,110} + p_{9,401} + p_{9,297} + p_{9,233}\\&+ 2p_{9,473} + p_{9,325} + 2p_{9,197} + p_{9,453} + 2p_{9,157} + p_{9,131} + p_{9,291}\\&+ p_{9,371} + p_{9,71} + p_{9,103} + p_{9,487} + p_{9,303} + p_{9,63} + p_{9,255})\end{aligned}}$$

$$p_{10,279} = \frac{1}{2}p_{9,279} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,279}^2 - 4(p_{9,384} + p_{9,392} + p_{9,504} + p_{9,44} + 2p_{9,364}\\&+ p_{9,156} + p_{9,370} + 2p_{9,346} + 2p_{9,366} + p_{9,145} + p_{9,41} + p_{9,489}\\&+ 2p_{9,217} + p_{9,69} + p_{9,197} + 2p_{9,453} + 2p_{9,413} + p_{9,387} + p_{9,35}\\&+ p_{9,115} + p_{9,327} + p_{9,359} + p_{9,231} + p_{9,47} + p_{9,319} + p_{9,511})\end{aligned}}$$

$$p_{10,791} = \frac{1}{2}p_{9,279} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,279}^2 - 4(p_{9,384} + p_{9,392} + p_{9,504} + p_{9,44} + 2p_{9,364}\\&+ p_{9,156} + p_{9,370} + 2p_{9,346} + 2p_{9,366} + p_{9,145} + p_{9,41} + p_{9,489}\\&+ 2p_{9,217} + p_{9,69} + p_{9,197} + 2p_{9,453} + 2p_{9,413} + p_{9,387} + p_{9,35}\\&+ p_{9,115} + p_{9,327} + p_{9,359} + p_{9,231} + p_{9,47} + p_{9,319} + p_{9,511})\end{aligned}}$$

$$p_{10,151} = \frac{1}{2}p_{9,151} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,151}^2 - 4(p_{9,256} + p_{9,264} + p_{9,376} + p_{9,428} + 2p_{9,236}\\&+ p_{9,28} + p_{9,242} + 2p_{9,218} + 2p_{9,238} + p_{9,17} + p_{9,425} + p_{9,361}\\&+ 2p_{9,89} + p_{9,69} + 2p_{9,325} + p_{9,453} + 2p_{9,285} + p_{9,259} + p_{9,419}\\&+ p_{9,499} + p_{9,199} + p_{9,103} + p_{9,231} + p_{9,431} + p_{9,191} + p_{9,383})\end{aligned}}$$

$$p_{10,663} = \frac{1}{2}p_{9,151} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,151}^2 - 4(p_{9,256} + p_{9,264} + p_{9,376} + p_{9,428} + 2p_{9,236}\\&+ p_{9,28} + p_{9,242} + 2p_{9,218} + 2p_{9,238} + p_{9,17} + p_{9,425} + p_{9,361}\\&+ 2p_{9,89} + p_{9,69} + 2p_{9,325} + p_{9,453} + 2p_{9,285} + p_{9,259} + p_{9,419}\\&+ p_{9,499} + p_{9,199} + p_{9,103} + p_{9,231} + p_{9,431} + p_{9,191} + p_{9,383})\end{aligned}}$$

2 unreferenced roots were skipped

$$p_{10,87} = \frac{1}{2}p_{9,87} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,87}^2 - 4(p_{9,192} + p_{9,200} + p_{9,312} + 2p_{9,172} + p_{9,364}\\&+ p_{9,476} + p_{9,178} + 2p_{9,154} + 2p_{9,174} + p_{9,465} + p_{9,297} + p_{9,361}\\&+ 2p_{9,25} + p_{9,5} + 2p_{9,261} + p_{9,389} + 2p_{9,221} + p_{9,195} + p_{9,355}\\&+ p_{9,435} + p_{9,135} + p_{9,39} + p_{9,167} + p_{9,367} + p_{9,319} + p_{9,127})\end{aligned}}$$

$$p_{10,599} = \frac{1}{2}p_{9,87} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,87}^2 - 4(p_{9,192} + p_{9,200} + p_{9,312} + 2p_{9,172} + p_{9,364}\\&+ p_{9,476} + p_{9,178} + 2p_{9,154} + 2p_{9,174} + p_{9,465} + p_{9,297} + p_{9,361}\\&+ 2p_{9,25} + p_{9,5} + 2p_{9,261} + p_{9,389} + 2p_{9,221} + p_{9,195} + p_{9,355}\\&+ p_{9,435} + p_{9,135} + p_{9,39} + p_{9,167} + p_{9,367} + p_{9,319} + p_{9,127})\end{aligned}}$$

$$p_{10,343} = \frac{1}{2}p_{9,343} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,343}^2 - 4(p_{9,448} + p_{9,456} + p_{9,56} + 2p_{9,428} + p_{9,108}\\&+ p_{9,220} + p_{9,434} + 2p_{9,410} + 2p_{9,430} + p_{9,209} + p_{9,41} + p_{9,105}\\&+ 2p_{9,281} + 2p_{9,5} + p_{9,261} + p_{9,133} + 2p_{9,477} + p_{9,451} + p_{9,99}\\&+ p_{9,179} + p_{9,391} + p_{9,295} + p_{9,423} + p_{9,111} + p_{9,63} + p_{9,383})\end{aligned}}$$

$$p_{10,855} = \frac{1}{2}p_{9,343} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,343}^2 - 4(p_{9,448} + p_{9,456} + p_{9,56} + 2p_{9,428} + p_{9,108}\\&+ p_{9,220} + p_{9,434} + 2p_{9,410} + 2p_{9,430} + p_{9,209} + p_{9,41} + p_{9,105}\\&+ 2p_{9,281} + 2p_{9,5} + p_{9,261} + p_{9,133} + 2p_{9,477} + p_{9,451} + p_{9,99}\\&+ p_{9,179} + p_{9,391} + p_{9,295} + p_{9,423} + p_{9,111} + p_{9,63} + p_{9,383})\end{aligned}}$$

$$p_{10,215} = \frac{1}{2}p_{9,215} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,215}^2 - 4(p_{9,320} + p_{9,328} + p_{9,440} + 2p_{9,300} + p_{9,492}\\&+ p_{9,92} + p_{9,306} + 2p_{9,282} + 2p_{9,302} + p_{9,81} + p_{9,425} + p_{9,489}\\&+ 2p_{9,153} + p_{9,5} + p_{9,133} + 2p_{9,389} + 2p_{9,349} + p_{9,323} + p_{9,483}\\&+ p_{9,51} + p_{9,263} + p_{9,295} + p_{9,167} + p_{9,495} + p_{9,447} + p_{9,255})\end{aligned}}$$

$$p_{10,727} = \frac{1}{2}p_{9,215} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,215}^2 - 4(p_{9,320} + p_{9,328} + p_{9,440} + 2p_{9,300} + p_{9,492}\\&+ p_{9,92} + p_{9,306} + 2p_{9,282} + 2p_{9,302} + p_{9,81} + p_{9,425} + p_{9,489}\\&+ 2p_{9,153} + p_{9,5} + p_{9,133} + 2p_{9,389} + 2p_{9,349} + p_{9,323} + p_{9,483}\\&+ p_{9,51} + p_{9,263} + p_{9,295} + p_{9,167} + p_{9,495} + p_{9,447} + p_{9,255})\end{aligned}}$$

$$p_{10,471} = \frac{1}{2}p_{9,471} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,471}^2 - 4(p_{9,64} + p_{9,72} + p_{9,184} + 2p_{9,44} + p_{9,236}\\&+ p_{9,348} + p_{9,50} + 2p_{9,26} + 2p_{9,46} + p_{9,337} + p_{9,169} + p_{9,233}\\&+ 2p_{9,409} + p_{9,261} + 2p_{9,133} + p_{9,389} + 2p_{9,93} + p_{9,67} + p_{9,227}\\&+ p_{9,307} + p_{9,7} + p_{9,39} + p_{9,423} + p_{9,239} + p_{9,191} + p_{9,511})\end{aligned}}$$

$$p_{10,983} = \frac{1}{2}p_{9,471} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,471}^2 - 4(p_{9,64} + p_{9,72} + p_{9,184} + 2p_{9,44} + p_{9,236}\\&+ p_{9,348} + p_{9,50} + 2p_{9,26} + 2p_{9,46} + p_{9,337} + p_{9,169} + p_{9,233}\\&+ 2p_{9,409} + p_{9,261} + 2p_{9,133} + p_{9,389} + 2p_{9,93} + p_{9,67} + p_{9,227}\\&+ p_{9,307} + p_{9,7} + p_{9,39} + p_{9,423} + p_{9,239} + p_{9,191} + p_{9,511})\end{aligned}}$$

$$p_{10,55} = \frac{1}{2}p_{9,55} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,55}^2 - 4(p_{9,160} + p_{9,168} + p_{9,280} + 2p_{9,140} + p_{9,332}\\&+ p_{9,444} + p_{9,146} + 2p_{9,122} + 2p_{9,142} + p_{9,433} + p_{9,265} + p_{9,329}\\&+ 2p_{9,505} + p_{9,357} + 2p_{9,229} + p_{9,485} + 2p_{9,189} + p_{9,323} + p_{9,163}\\&+ p_{9,403} + p_{9,7} + p_{9,135} + p_{9,103} + p_{9,335} + p_{9,287} + p_{9,95})\end{aligned}}$$

$$p_{10,567} = \frac{1}{2}p_{9,55} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,55}^2 - 4(p_{9,160} + p_{9,168} + p_{9,280} + 2p_{9,140} + p_{9,332}\\&+ p_{9,444} + p_{9,146} + 2p_{9,122} + 2p_{9,142} + p_{9,433} + p_{9,265} + p_{9,329}\\&+ 2p_{9,505} + p_{9,357} + 2p_{9,229} + p_{9,485} + 2p_{9,189} + p_{9,323} + p_{9,163}\\&+ p_{9,403} + p_{9,7} + p_{9,135} + p_{9,103} + p_{9,335} + p_{9,287} + p_{9,95})\end{aligned}}$$

$$p_{10,311} = \frac{1}{2}p_{9,311} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,311}^2 - 4(p_{9,416} + p_{9,424} + p_{9,24} + 2p_{9,396} + p_{9,76}\\&+ p_{9,188} + p_{9,402} + 2p_{9,378} + 2p_{9,398} + p_{9,177} + p_{9,9} + p_{9,73}\\&+ 2p_{9,249} + p_{9,101} + p_{9,229} + 2p_{9,485} + 2p_{9,445} + p_{9,67} + p_{9,419}\\&+ p_{9,147} + p_{9,263} + p_{9,391} + p_{9,359} + p_{9,79} + p_{9,31} + p_{9,351})\end{aligned}}$$

$$p_{10,823} = \frac{1}{2}p_{9,311} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,311}^2 - 4(p_{9,416} + p_{9,424} + p_{9,24} + 2p_{9,396} + p_{9,76}\\&+ p_{9,188} + p_{9,402} + 2p_{9,378} + 2p_{9,398} + p_{9,177} + p_{9,9} + p_{9,73}\\&+ 2p_{9,249} + p_{9,101} + p_{9,229} + 2p_{9,485} + 2p_{9,445} + p_{9,67} + p_{9,419}\\&+ p_{9,147} + p_{9,263} + p_{9,391} + p_{9,359} + p_{9,79} + p_{9,31} + p_{9,351})\end{aligned}}$$

$$p_{10,183} = \frac{1}{2}p_{9,183} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,183}^2 - 4(p_{9,288} + p_{9,296} + p_{9,408} + 2p_{9,268} + p_{9,460}\\&+ p_{9,60} + p_{9,274} + 2p_{9,250} + 2p_{9,270} + p_{9,49} + p_{9,393} + p_{9,457}\\&+ 2p_{9,121} + p_{9,101} + 2p_{9,357} + p_{9,485} + 2p_{9,317} + p_{9,451} + p_{9,291}\\&+ p_{9,19} + p_{9,263} + p_{9,135} + p_{9,231} + p_{9,463} + p_{9,415} + p_{9,223})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,439} = \frac{1}{2}p_{9,439} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,439}^2 - 4(p_{9,32} + p_{9,40} + p_{9,152} + 2p_{9,12} + p_{9,204}\\&+ p_{9,316} + p_{9,18} + 2p_{9,506} + 2p_{9,14} + p_{9,305} + p_{9,137} + p_{9,201}\\&+ 2p_{9,377} + 2p_{9,101} + p_{9,357} + p_{9,229} + 2p_{9,61} + p_{9,195} + p_{9,35}\\&+ p_{9,275} + p_{9,7} + p_{9,391} + p_{9,487} + p_{9,207} + p_{9,159} + p_{9,479})\end{aligned}}$$

$$p_{10,951} = \frac{1}{2}p_{9,439} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,439}^2 - 4(p_{9,32} + p_{9,40} + p_{9,152} + 2p_{9,12} + p_{9,204}\\&+ p_{9,316} + p_{9,18} + 2p_{9,506} + 2p_{9,14} + p_{9,305} + p_{9,137} + p_{9,201}\\&+ 2p_{9,377} + 2p_{9,101} + p_{9,357} + p_{9,229} + 2p_{9,61} + p_{9,195} + p_{9,35}\\&+ p_{9,275} + p_{9,7} + p_{9,391} + p_{9,487} + p_{9,207} + p_{9,159} + p_{9,479})\end{aligned}}$$

$$p_{10,119} = \frac{1}{2}p_{9,119} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,119}^2 - 4(p_{9,224} + p_{9,232} + p_{9,344} + p_{9,396} + 2p_{9,204}\\&+ p_{9,508} + p_{9,210} + 2p_{9,186} + 2p_{9,206} + p_{9,497} + p_{9,393} + p_{9,329}\\&+ 2p_{9,57} + p_{9,37} + 2p_{9,293} + p_{9,421} + 2p_{9,253} + p_{9,387} + p_{9,227}\\&+ p_{9,467} + p_{9,71} + p_{9,199} + p_{9,167} + p_{9,399} + p_{9,159} + p_{9,351})\end{aligned}}$$

$$p_{10,631} = \frac{1}{2}p_{9,119} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,119}^2 - 4(p_{9,224} + p_{9,232} + p_{9,344} + p_{9,396} + 2p_{9,204}\\&+ p_{9,508} + p_{9,210} + 2p_{9,186} + 2p_{9,206} + p_{9,497} + p_{9,393} + p_{9,329}\\&+ 2p_{9,57} + p_{9,37} + 2p_{9,293} + p_{9,421} + 2p_{9,253} + p_{9,387} + p_{9,227}\\&+ p_{9,467} + p_{9,71} + p_{9,199} + p_{9,167} + p_{9,399} + p_{9,159} + p_{9,351})\end{aligned}}$$

$$p_{10,375} = \frac{1}{2}p_{9,375} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,375}^2 - 4(p_{9,480} + p_{9,488} + p_{9,88} + p_{9,140} + 2p_{9,460}\\&+ p_{9,252} + p_{9,466} + 2p_{9,442} + 2p_{9,462} + p_{9,241} + p_{9,137} + p_{9,73}\\&+ 2p_{9,313} + 2p_{9,37} + p_{9,293} + p_{9,165} + 2p_{9,509} + p_{9,131} + p_{9,483}\\&+ p_{9,211} + p_{9,327} + p_{9,455} + p_{9,423} + p_{9,143} + p_{9,415} + p_{9,95})\end{aligned}}$$

$$p_{10,887} = \frac{1}{2}p_{9,375} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,375}^2 - 4(p_{9,480} + p_{9,488} + p_{9,88} + p_{9,140} + 2p_{9,460}\\&+ p_{9,252} + p_{9,466} + 2p_{9,442} + 2p_{9,462} + p_{9,241} + p_{9,137} + p_{9,73}\\&+ 2p_{9,313} + 2p_{9,37} + p_{9,293} + p_{9,165} + 2p_{9,509} + p_{9,131} + p_{9,483}\\&+ p_{9,211} + p_{9,327} + p_{9,455} + p_{9,423} + p_{9,143} + p_{9,415} + p_{9,95})\end{aligned}}$$

$$p_{10,247} = \frac{1}{2}p_{9,247} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,247}^2 - 4(p_{9,352} + p_{9,360} + p_{9,472} + p_{9,12} + 2p_{9,332}\\&+ p_{9,124} + p_{9,338} + 2p_{9,314} + 2p_{9,334} + p_{9,113} + p_{9,9} + p_{9,457}\\&+ 2p_{9,185} + p_{9,37} + p_{9,165} + 2p_{9,421} + 2p_{9,381} + p_{9,3} + p_{9,355}\\&+ p_{9,83} + p_{9,327} + p_{9,199} + p_{9,295} + p_{9,15} + p_{9,287} + p_{9,479})\end{aligned}}$$

$$p_{10,759} = \frac{1}{2}p_{9,247} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,247}^2 - 4(p_{9,352} + p_{9,360} + p_{9,472} + p_{9,12} + 2p_{9,332}\\&+ p_{9,124} + p_{9,338} + 2p_{9,314} + 2p_{9,334} + p_{9,113} + p_{9,9} + p_{9,457}\\&+ 2p_{9,185} + p_{9,37} + p_{9,165} + 2p_{9,421} + 2p_{9,381} + p_{9,3} + p_{9,355}\\&+ p_{9,83} + p_{9,327} + p_{9,199} + p_{9,295} + p_{9,15} + p_{9,287} + p_{9,479})\end{aligned}}$$

$$p_{10,503} = \frac{1}{2}p_{9,503} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,503}^2 - 4(p_{9,96} + p_{9,104} + p_{9,216} + p_{9,268} + 2p_{9,76}\\&+ p_{9,380} + p_{9,82} + 2p_{9,58} + 2p_{9,78} + p_{9,369} + p_{9,265} + p_{9,201}\\&+ 2p_{9,441} + p_{9,293} + 2p_{9,165} + p_{9,421} + 2p_{9,125} + p_{9,259} + p_{9,99}\\&+ p_{9,339} + p_{9,71} + p_{9,455} + p_{9,39} + p_{9,271} + p_{9,31} + p_{9,223})\end{aligned}}$$

$$p_{10,1015} = \frac{1}{2}p_{9,503} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,503}^2 - 4(p_{9,96} + p_{9,104} + p_{9,216} + p_{9,268} + 2p_{9,76}\\&+ p_{9,380} + p_{9,82} + 2p_{9,58} + 2p_{9,78} + p_{9,369} + p_{9,265} + p_{9,201}\\&+ 2p_{9,441} + p_{9,293} + 2p_{9,165} + p_{9,421} + 2p_{9,125} + p_{9,259} + p_{9,99}\\&+ p_{9,339} + p_{9,71} + p_{9,455} + p_{9,39} + p_{9,271} + p_{9,31} + p_{9,223})\end{aligned}}$$

$$p_{10,15} = \frac{1}{2}p_{9,15} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,15}^2 - 4(p_{9,128} + p_{9,240} + p_{9,120} + p_{9,292} + 2p_{9,100}\\&+ p_{9,404} + 2p_{9,82} + p_{9,106} + 2p_{9,102} + p_{9,289} + p_{9,225} + 2p_{9,465}\\&+ p_{9,393} + 2p_{9,149} + p_{9,317} + 2p_{9,189} + p_{9,445} + p_{9,363} + p_{9,283}\\&+ p_{9,123} + p_{9,295} + p_{9,55} + p_{9,247} + p_{9,95} + p_{9,479} + p_{9,63})\end{aligned}}$$

$$p_{10,527} = \frac{1}{2}p_{9,15} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,15}^2 - 4(p_{9,128} + p_{9,240} + p_{9,120} + p_{9,292} + 2p_{9,100}\\&+ p_{9,404} + 2p_{9,82} + p_{9,106} + 2p_{9,102} + p_{9,289} + p_{9,225} + 2p_{9,465}\\&+ p_{9,393} + 2p_{9,149} + p_{9,317} + 2p_{9,189} + p_{9,445} + p_{9,363} + p_{9,283}\\&+ p_{9,123} + p_{9,295} + p_{9,55} + p_{9,247} + p_{9,95} + p_{9,479} + p_{9,63})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,783} = \frac{1}{2}p_{9,271} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,271}^2 - 4(p_{9,384} + p_{9,496} + p_{9,376} + p_{9,36} + 2p_{9,356}\\&+ p_{9,148} + 2p_{9,338} + p_{9,362} + 2p_{9,358} + p_{9,33} + p_{9,481} + 2p_{9,209}\\&+ p_{9,137} + 2p_{9,405} + p_{9,61} + p_{9,189} + 2p_{9,445} + p_{9,107} + p_{9,27}\\&+ p_{9,379} + p_{9,39} + p_{9,311} + p_{9,503} + p_{9,351} + p_{9,223} + p_{9,319})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,655} = \frac{1}{2}p_{9,143} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,143}^2 - 4(p_{9,256} + p_{9,368} + p_{9,248} + p_{9,420} + 2p_{9,228}\\&+ p_{9,20} + 2p_{9,210} + p_{9,234} + 2p_{9,230} + p_{9,417} + p_{9,353} + 2p_{9,81}\\&+ p_{9,9} + 2p_{9,277} + p_{9,61} + 2p_{9,317} + p_{9,445} + p_{9,491} + p_{9,411}\\&+ p_{9,251} + p_{9,423} + p_{9,183} + p_{9,375} + p_{9,95} + p_{9,223} + p_{9,191})\end{aligned}}$$

$$p_{10,399} = \frac{1}{2}p_{9,399} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,399}^2 - 4(p_{9,0} + p_{9,112} + p_{9,504} + p_{9,164} + 2p_{9,484}\\&+ p_{9,276} + 2p_{9,466} + p_{9,490} + 2p_{9,486} + p_{9,161} + p_{9,97} + 2p_{9,337}\\&+ p_{9,265} + 2p_{9,21} + 2p_{9,61} + p_{9,317} + p_{9,189} + p_{9,235} + p_{9,155}\\&+ p_{9,507} + p_{9,167} + p_{9,439} + p_{9,119} + p_{9,351} + p_{9,479} + p_{9,447})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,79} = \frac{1}{2}p_{9,79} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,79}^2 - 4(p_{9,192} + p_{9,304} + p_{9,184} + 2p_{9,164} + p_{9,356}\\&+ p_{9,468} + 2p_{9,146} + p_{9,170} + 2p_{9,166} + p_{9,289} + p_{9,353} + 2p_{9,17}\\&+ p_{9,457} + 2p_{9,213} + p_{9,381} + 2p_{9,253} + p_{9,509} + p_{9,427} + p_{9,347}\\&+ p_{9,187} + p_{9,359} + p_{9,311} + p_{9,119} + p_{9,31} + p_{9,159} + p_{9,127})\end{aligned}}$$

$$p_{10,591} = \frac{1}{2}p_{9,79} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,79}^2 - 4(p_{9,192} + p_{9,304} + p_{9,184} + 2p_{9,164} + p_{9,356}\\&+ p_{9,468} + 2p_{9,146} + p_{9,170} + 2p_{9,166} + p_{9,289} + p_{9,353} + 2p_{9,17}\\&+ p_{9,457} + 2p_{9,213} + p_{9,381} + 2p_{9,253} + p_{9,509} + p_{9,427} + p_{9,347}\\&+ p_{9,187} + p_{9,359} + p_{9,311} + p_{9,119} + p_{9,31} + p_{9,159} + p_{9,127})\end{aligned}}$$

$$p_{10,335} = \frac{1}{2}p_{9,335} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,335}^2 - 4(p_{9,448} + p_{9,48} + p_{9,440} + 2p_{9,420} + p_{9,100}\\&+ p_{9,212} + 2p_{9,402} + p_{9,426} + 2p_{9,422} + p_{9,33} + p_{9,97} + 2p_{9,273}\\&+ p_{9,201} + 2p_{9,469} + p_{9,125} + p_{9,253} + 2p_{9,509} + p_{9,171} + p_{9,91}\\&+ p_{9,443} + p_{9,103} + p_{9,55} + p_{9,375} + p_{9,287} + p_{9,415} + p_{9,383})\end{aligned}}$$

$$p_{10,847} = \frac{1}{2}p_{9,335} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,335}^2 - 4(p_{9,448} + p_{9,48} + p_{9,440} + 2p_{9,420} + p_{9,100}\\&+ p_{9,212} + 2p_{9,402} + p_{9,426} + 2p_{9,422} + p_{9,33} + p_{9,97} + 2p_{9,273}\\&+ p_{9,201} + 2p_{9,469} + p_{9,125} + p_{9,253} + 2p_{9,509} + p_{9,171} + p_{9,91}\\&+ p_{9,443} + p_{9,103} + p_{9,55} + p_{9,375} + p_{9,287} + p_{9,415} + p_{9,383})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,719} = \frac{1}{2}p_{9,207} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,207}^2 - 4(p_{9,320} + p_{9,432} + p_{9,312} + 2p_{9,292} + p_{9,484}\\&+ p_{9,84} + 2p_{9,274} + p_{9,298} + 2p_{9,294} + p_{9,417} + p_{9,481} + 2p_{9,145}\\&+ p_{9,73} + 2p_{9,341} + p_{9,125} + 2p_{9,381} + p_{9,509} + p_{9,43} + p_{9,475}\\&+ p_{9,315} + p_{9,487} + p_{9,439} + p_{9,247} + p_{9,287} + p_{9,159} + p_{9,255})\end{aligned}}$$

$$p_{10,463} = \frac{1}{2}p_{9,463} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,463}^2 - 4(p_{9,64} + p_{9,176} + p_{9,56} + 2p_{9,36} + p_{9,228}\\&+ p_{9,340} + 2p_{9,18} + p_{9,42} + 2p_{9,38} + p_{9,161} + p_{9,225} + 2p_{9,401}\\&+ p_{9,329} + 2p_{9,85} + 2p_{9,125} + p_{9,381} + p_{9,253} + p_{9,299} + p_{9,219}\\&+ p_{9,59} + p_{9,231} + p_{9,183} + p_{9,503} + p_{9,31} + p_{9,415} + p_{9,511})\end{aligned}}$$

$$p_{10,975} = \frac{1}{2}p_{9,463} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,463}^2 - 4(p_{9,64} + p_{9,176} + p_{9,56} + 2p_{9,36} + p_{9,228}\\&+ p_{9,340} + 2p_{9,18} + p_{9,42} + 2p_{9,38} + p_{9,161} + p_{9,225} + 2p_{9,401}\\&+ p_{9,329} + 2p_{9,85} + 2p_{9,125} + p_{9,381} + p_{9,253} + p_{9,299} + p_{9,219}\\&+ p_{9,59} + p_{9,231} + p_{9,183} + p_{9,503} + p_{9,31} + p_{9,415} + p_{9,511})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,559} = \frac{1}{2}p_{9,47} + \frac{1}{2}\sqrt{\begin{array}{l}p_{9,47}^2 - 4(p_{9,160} + p_{9,272} + p_{9,152} + 2p_{9,132} + p_{9,324} \\ + p_{9,436} + 2p_{9,114} + p_{9,138} + 2p_{9,134} + p_{9,257} + p_{9,321} + 2p_{9,497} \\ + p_{9,425} + 2p_{9,181} + p_{9,349} + 2p_{9,221} + p_{9,477} + p_{9,395} + p_{9,155} \\ + p_{9,315} + p_{9,327} + p_{9,279} + p_{9,87} + p_{9,95} + p_{9,127} + p_{9,511})\end{array}}$$

$$p_{10,303} = \frac{1}{2}p_{9,303} + \frac{1}{2}\sqrt{\begin{array}{l}p_{9,303}^2 - 4(p_{9,416} + p_{9,16} + p_{9,408} + 2p_{9,388} + p_{9,68} \\ + p_{9,180} + 2p_{9,370} + p_{9,394} + 2p_{9,390} + p_{9,1} + p_{9,65} + 2p_{9,241} \\ + p_{9,169} + 2p_{9,437} + p_{9,93} + p_{9,221} + 2p_{9,477} + p_{9,139} + p_{9,411} \\ + p_{9,59} + p_{9,71} + p_{9,23} + p_{9,343} + p_{9,351} + p_{9,383} + p_{9,255})\end{array}}$$

$$p_{10,815} = \frac{1}{2}p_{9,303} - \frac{1}{2}\sqrt{\begin{array}{l}p_{9,303}^2 - 4(p_{9,416} + p_{9,16} + p_{9,408} + 2p_{9,388} + p_{9,68} \\ + p_{9,180} + 2p_{9,370} + p_{9,394} + 2p_{9,390} + p_{9,1} + p_{9,65} + 2p_{9,241} \\ + p_{9,169} + 2p_{9,437} + p_{9,93} + p_{9,221} + 2p_{9,477} + p_{9,139} + p_{9,411} \\ + p_{9,59} + p_{9,71} + p_{9,23} + p_{9,343} + p_{9,351} + p_{9,383} + p_{9,255})\end{array}}$$

$$p_{10,175} = \frac{1}{2}p_{9,175} + \frac{1}{2}\sqrt{\begin{array}{l}p_{9,175}^2 - 4(p_{9,288} + p_{9,400} + p_{9,280} + 2p_{9,260} + p_{9,452} \\ + p_{9,52} + 2p_{9,242} + p_{9,266} + 2p_{9,262} + p_{9,385} + p_{9,449} + 2p_{9,113} \\ + p_{9,41} + 2p_{9,309} + p_{9,93} + 2p_{9,349} + p_{9,477} + p_{9,11} + p_{9,283} \\ + p_{9,443} + p_{9,455} + p_{9,407} + p_{9,215} + p_{9,223} + p_{9,127} + p_{9,255})\end{array}}$$

$$p_{10,687} = \frac{1}{2}p_{9,175} - \frac{1}{2}\sqrt{\begin{array}{l}p_{9,175}^2 - 4(p_{9,288} + p_{9,400} + p_{9,280} + 2p_{9,260} + p_{9,452} \\ + p_{9,52} + 2p_{9,242} + p_{9,266} + 2p_{9,262} + p_{9,385} + p_{9,449} + 2p_{9,113} \\ + p_{9,41} + 2p_{9,309} + p_{9,93} + 2p_{9,349} + p_{9,477} + p_{9,11} + p_{9,283} \\ + p_{9,443} + p_{9,455} + p_{9,407} + p_{9,215} + p_{9,223} + p_{9,127} + p_{9,255})\end{array}}$$

$$p_{10,431} = \frac{1}{2}p_{9,431} - \frac{1}{2}\sqrt{\begin{array}{l}p_{9,431}^2 - 4(p_{9,32} + p_{9,144} + p_{9,24} + 2p_{9,4} + p_{9,196} + p_{9,308} \\ + 2p_{9,498} + p_{9,10} + 2p_{9,6} + p_{9,129} + p_{9,193} + 2p_{9,369} + p_{9,297} \\ + 2p_{9,53} + 2p_{9,93} + p_{9,349} + p_{9,221} + p_{9,267} + p_{9,27} + p_{9,187} \\ + p_{9,199} + p_{9,151} + p_{9,471} + p_{9,479} + p_{9,383} + p_{9,511})\end{array}}$$

$$p_{10,943} = \frac{1}{2}p_{9,431} + \frac{1}{2}\sqrt{\begin{array}{l}p_{9,431}^2 - 4(p_{9,32} + p_{9,144} + p_{9,24} + 2p_{9,4} + p_{9,196} + p_{9,308} \\ + 2p_{9,498} + p_{9,10} + 2p_{9,6} + p_{9,129} + p_{9,193} + 2p_{9,369} + p_{9,297} \\ + 2p_{9,53} + 2p_{9,93} + p_{9,349} + p_{9,221} + p_{9,267} + p_{9,27} + p_{9,187} \\ + p_{9,199} + p_{9,151} + p_{9,471} + p_{9,479} + p_{9,383} + p_{9,511})\end{array}}$$

$$p_{10,111} = \frac{1}{2}p_{9,111} + \frac{1}{2}\sqrt{\begin{array}{l}p_{9,111}^2 - 4(p_{9,224} + p_{9,336} + p_{9,216} + p_{9,388} + 2p_{9,196} \\ + p_{9,500} + 2p_{9,178} + p_{9,202} + 2p_{9,198} + p_{9,385} + p_{9,321} + 2p_{9,49} \\ + p_{9,489} + 2p_{9,245} + p_{9,29} + 2p_{9,285} + p_{9,413} + p_{9,459} + p_{9,219} \\ + p_{9,379} + p_{9,391} + p_{9,151} + p_{9,343} + p_{9,159} + p_{9,63} + p_{9,191})\end{array}}$$

$$p_{10,623} = \frac{1}{2}p_{9,111} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,111}^2 - 4(p_{9,224} + p_{9,336} + p_{9,216} + p_{9,388} + 2p_{9,196}\\&+ p_{9,500} + 2p_{9,178} + p_{9,202} + 2p_{9,198} + p_{9,385} + p_{9,321} + 2p_{9,49}\\&+ p_{9,489} + 2p_{9,245} + p_{9,29} + 2p_{9,285} + p_{9,413} + p_{9,459} + p_{9,219}\\&+ p_{9,379} + p_{9,391} + p_{9,151} + p_{9,343} + p_{9,159} + p_{9,63} + p_{9,191})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,879} = \frac{1}{2}p_{9,367} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,367}^2 - 4(p_{9,480} + p_{9,80} + p_{9,472} + p_{9,132} + 2p_{9,452}\\&+ p_{9,244} + 2p_{9,434} + p_{9,458} + 2p_{9,454} + p_{9,129} + p_{9,65} + 2p_{9,305}\\&+ p_{9,233} + 2p_{9,501} + 2p_{9,29} + p_{9,285} + p_{9,157} + p_{9,203} + p_{9,475}\\&+ p_{9,123} + p_{9,135} + p_{9,407} + p_{9,87} + p_{9,415} + p_{9,319} + p_{9,447})\end{aligned}}$$

$$p_{10,239} = \frac{1}{2}p_{9,239} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,239}^2 - 4(p_{9,352} + p_{9,464} + p_{9,344} + p_{9,4} + 2p_{9,324}\\&+ p_{9,116} + 2p_{9,306} + p_{9,330} + 2p_{9,326} + p_{9,1} + p_{9,449} + 2p_{9,177}\\&+ p_{9,105} + 2p_{9,373} + p_{9,29} + p_{9,157} + 2p_{9,413} + p_{9,75} + p_{9,347}\\&+ p_{9,507} + p_{9,7} + p_{9,279} + p_{9,471} + p_{9,287} + p_{9,319} + p_{9,191})\end{aligned}}$$

$$p_{10,751} = \frac{1}{2}p_{9,239} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,239}^2 - 4(p_{9,352} + p_{9,464} + p_{9,344} + p_{9,4} + 2p_{9,324}\\&+ p_{9,116} + 2p_{9,306} + p_{9,330} + 2p_{9,326} + p_{9,1} + p_{9,449} + 2p_{9,177}\\&+ p_{9,105} + 2p_{9,373} + p_{9,29} + p_{9,157} + 2p_{9,413} + p_{9,75} + p_{9,347}\\&+ p_{9,507} + p_{9,7} + p_{9,279} + p_{9,471} + p_{9,287} + p_{9,319} + p_{9,191})\end{aligned}}$$

$$p_{10,495} = \frac{1}{2}p_{9,495} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,495}^2 - 4(p_{9,96} + p_{9,208} + p_{9,88} + p_{9,260} + 2p_{9,68}\\&+ p_{9,372} + 2p_{9,50} + p_{9,74} + 2p_{9,70} + p_{9,257} + p_{9,193} + 2p_{9,433}\\&+ p_{9,361} + 2p_{9,117} + p_{9,285} + 2p_{9,157} + p_{9,413} + p_{9,331} + p_{9,91}\\&+ p_{9,251} + p_{9,263} + p_{9,23} + p_{9,215} + p_{9,31} + p_{9,63} + p_{9,447})\end{aligned}}$$

$$p_{10,1007} = \frac{1}{2}p_{9,495} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,495}^2 - 4(p_{9,96} + p_{9,208} + p_{9,88} + p_{9,260} + 2p_{9,68}\\&+ p_{9,372} + 2p_{9,50} + p_{9,74} + 2p_{9,70} + p_{9,257} + p_{9,193} + 2p_{9,433}\\&+ p_{9,361} + 2p_{9,117} + p_{9,285} + 2p_{9,157} + p_{9,413} + p_{9,331} + p_{9,91}\\&+ p_{9,251} + p_{9,263} + p_{9,23} + p_{9,215} + p_{9,31} + p_{9,63} + p_{9,447})\end{aligned}}$$

3 unreferenced roots were skipped

$$p_{10,799} = \frac{1}{2}p_{9,287} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,287}^2 - 4(p_{9,0} + p_{9,400} + p_{9,392} + p_{9,164} + p_{9,52}\\&+ 2p_{9,372} + 2p_{9,354} + p_{9,378} + 2p_{9,374} + 2p_{9,225} + p_{9,49} + p_{9,497}\\&+ p_{9,153} + 2p_{9,421} + p_{9,77} + p_{9,205} + 2p_{9,461} + p_{9,395} + p_{9,43}\\&+ p_{9,123} + p_{9,7} + p_{9,327} + p_{9,55} + p_{9,335} + p_{9,367} + p_{9,239})\end{aligned}}$$

$$p_{10,159} = \frac{1}{2}p_{9,159} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,159}^2 - 4(p_{9,384} + p_{9,272} + p_{9,264} + p_{9,36} + p_{9,436}\\&+ 2p_{9,244} + 2p_{9,226} + p_{9,250} + 2p_{9,246} + 2p_{9,97} + p_{9,433} + p_{9,369}\\&+ p_{9,25} + 2p_{9,293} + p_{9,77} + 2p_{9,333} + p_{9,461} + p_{9,267} + p_{9,427}\\&+ p_{9,507} + p_{9,391} + p_{9,199} + p_{9,439} + p_{9,207} + p_{9,111} + p_{9,239})\end{aligned}}$$

$$p_{10,671} = \frac{1}{2}p_{9,159} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,159}^2 - 4(p_{9,384} + p_{9,272} + p_{9,264} + p_{9,36} + p_{9,436}\\&+ 2p_{9,244} + 2p_{9,226} + p_{9,250} + 2p_{9,246} + 2p_{9,97} + p_{9,433} + p_{9,369}\\&+ p_{9,25} + 2p_{9,293} + p_{9,77} + 2p_{9,333} + p_{9,461} + p_{9,267} + p_{9,427}\\&+ p_{9,507} + p_{9,391} + p_{9,199} + p_{9,439} + p_{9,207} + p_{9,111} + p_{9,239})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,927} = \frac{1}{2}p_{9,415} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,415}^2 - 4(p_{9,128} + p_{9,16} + p_{9,8} + p_{9,292} + p_{9,180} + 2p_{9,500}\\&+ 2p_{9,482} + p_{9,506} + 2p_{9,502} + 2p_{9,353} + p_{9,177} + p_{9,113} + p_{9,281}\\&+ 2p_{9,37} + 2p_{9,77} + p_{9,333} + p_{9,205} + p_{9,11} + p_{9,171} + p_{9,251}\\&+ p_{9,135} + p_{9,455} + p_{9,183} + p_{9,463} + p_{9,367} + p_{9,495})\end{aligned}}$$

$$p_{10,95} = \frac{1}{2}p_{9,95} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,95}^2 - 4(p_{9,320} + p_{9,208} + p_{9,200} + p_{9,484} + 2p_{9,180}\\&+ p_{9,372} + 2p_{9,162} + p_{9,186} + 2p_{9,182} + 2p_{9,33} + p_{9,305} + p_{9,369}\\&+ p_{9,473} + 2p_{9,229} + p_{9,13} + 2p_{9,269} + p_{9,397} + p_{9,203} + p_{9,363}\\&+ p_{9,443} + p_{9,135} + p_{9,327} + p_{9,375} + p_{9,143} + p_{9,47} + p_{9,175})\end{aligned}}$$

$$p_{10,607} = \frac{1}{2}p_{9,95} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,95}^2 - 4(p_{9,320} + p_{9,208} + p_{9,200} + p_{9,484} + 2p_{9,180}\\&+ p_{9,372} + 2p_{9,162} + p_{9,186} + 2p_{9,182} + 2p_{9,33} + p_{9,305} + p_{9,369}\\&+ p_{9,473} + 2p_{9,229} + p_{9,13} + 2p_{9,269} + p_{9,397} + p_{9,203} + p_{9,363}\\&+ p_{9,443} + p_{9,135} + p_{9,327} + p_{9,375} + p_{9,143} + p_{9,47} + p_{9,175})\end{aligned}}$$

$$p_{10,351} = \frac{1}{2}p_{9,351} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,351}^2 - 4(p_{9,64} + p_{9,464} + p_{9,456} + p_{9,228} + 2p_{9,436}\\&+ p_{9,116} + 2p_{9,418} + p_{9,442} + 2p_{9,438} + 2p_{9,289} + p_{9,49} + p_{9,113}\\&+ p_{9,217} + 2p_{9,485} + 2p_{9,13} + p_{9,269} + p_{9,141} + p_{9,459} + p_{9,107}\\&+ p_{9,187} + p_{9,391} + p_{9,71} + p_{9,119} + p_{9,399} + p_{9,303} + p_{9,431})\end{aligned}}$$

$$p_{10,863} = \frac{1}{2}p_{9,351} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,351}^2 - 4(p_{9,64} + p_{9,464} + p_{9,456} + p_{9,228} + 2p_{9,436}\\&+ p_{9,116} + 2p_{9,418} + p_{9,442} + 2p_{9,438} + 2p_{9,289} + p_{9,49} + p_{9,113}\\&+ p_{9,217} + 2p_{9,485} + 2p_{9,13} + p_{9,269} + p_{9,141} + p_{9,459} + p_{9,107}\\&+ p_{9,187} + p_{9,391} + p_{9,71} + p_{9,119} + p_{9,399} + p_{9,303} + p_{9,431})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,735} = \frac{1}{2}p_{9,223} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,223}^2 - 4(p_{9,448} + p_{9,336} + p_{9,328} + p_{9,100} + 2p_{9,308}\\&+ p_{9,500} + 2p_{9,290} + p_{9,314} + 2p_{9,310} + 2p_{9,161} + p_{9,433} + p_{9,497}\\&+ p_{9,89} + 2p_{9,357} + p_{9,13} + p_{9,141} + 2p_{9,397} + p_{9,331} + p_{9,491}\\&+ p_{9,59} + p_{9,263} + p_{9,455} + p_{9,503} + p_{9,271} + p_{9,303} + p_{9,175})\end{aligned}}$$

$$p_{10,479} = \frac{1}{2}p_{9,479} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,479}^2 - 4(p_{9,192} + p_{9,80} + p_{9,72} + p_{9,356} + 2p_{9,52}\\&+ p_{9,244} + 2p_{9,34} + p_{9,58} + 2p_{9,54} + 2p_{9,417} + p_{9,177} + p_{9,241}\\&+ p_{9,345} + 2p_{9,101} + p_{9,269} + 2p_{9,141} + p_{9,397} + p_{9,75} + p_{9,235}\\&+ p_{9,315} + p_{9,7} + p_{9,199} + p_{9,247} + p_{9,15} + p_{9,47} + p_{9,431})\end{aligned}}$$

$$p_{10,991} = \frac{1}{2}p_{9,479} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,479}^2 - 4(p_{9,192} + p_{9,80} + p_{9,72} + p_{9,356} + 2p_{9,52}\\&+ p_{9,244} + 2p_{9,34} + p_{9,58} + 2p_{9,54} + 2p_{9,417} + p_{9,177} + p_{9,241}\\&+ p_{9,345} + 2p_{9,101} + p_{9,269} + 2p_{9,141} + p_{9,397} + p_{9,75} + p_{9,235}\\&+ p_{9,315} + p_{9,7} + p_{9,199} + p_{9,247} + p_{9,15} + p_{9,47} + p_{9,431})\end{aligned}}$$

$$p_{10,63} = \frac{1}{2}p_{9,63} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,63}^2 - 4(p_{9,288} + p_{9,176} + p_{9,168} + p_{9,452} + 2p_{9,148}\\&+ p_{9,340} + 2p_{9,130} + p_{9,154} + 2p_{9,150} + 2p_{9,1} + p_{9,273} + p_{9,337}\\&+ p_{9,441} + 2p_{9,197} + p_{9,365} + 2p_{9,237} + p_{9,493} + p_{9,331} + p_{9,171}\\&+ p_{9,411} + p_{9,295} + p_{9,103} + p_{9,343} + p_{9,15} + p_{9,143} + p_{9,111})\end{aligned}}$$

$$p_{10,575} = \frac{1}{2}p_{9,63} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,63}^2 - 4(p_{9,288} + p_{9,176} + p_{9,168} + p_{9,452} + 2p_{9,148}\\&+ p_{9,340} + 2p_{9,130} + p_{9,154} + 2p_{9,150} + 2p_{9,1} + p_{9,273} + p_{9,337}\\&+ p_{9,441} + 2p_{9,197} + p_{9,365} + 2p_{9,237} + p_{9,493} + p_{9,331} + p_{9,171}\\&+ p_{9,411} + p_{9,295} + p_{9,103} + p_{9,343} + p_{9,15} + p_{9,143} + p_{9,111})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,831} = \frac{1}{2}p_{9,319} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,319}^2 - 4(p_{9,32} + p_{9,432} + p_{9,424} + p_{9,196} + 2p_{9,404}\\&+ p_{9,84} + 2p_{9,386} + p_{9,410} + 2p_{9,406} + 2p_{9,257} + p_{9,17} + p_{9,81}\\&+ p_{9,185} + 2p_{9,453} + p_{9,109} + p_{9,237} + 2p_{9,493} + p_{9,75} + p_{9,427}\\&+ p_{9,155} + p_{9,39} + p_{9,359} + p_{9,87} + p_{9,271} + p_{9,399} + p_{9,367})\end{aligned}}$$

$$p_{10,191} = \frac{1}{2}p_{9,191} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,191}^2 - 4(p_{9,416} + p_{9,304} + p_{9,296} + p_{9,68} + 2p_{9,276}\\&+ p_{9,468} + 2p_{9,258} + p_{9,282} + 2p_{9,278} + 2p_{9,129} + p_{9,401} + p_{9,465}\\&+ p_{9,57} + 2p_{9,325} + p_{9,109} + 2p_{9,365} + p_{9,493} + p_{9,459} + p_{9,299}\\&+ p_{9,27} + p_{9,423} + p_{9,231} + p_{9,471} + p_{9,271} + p_{9,143} + p_{9,239})\end{aligned}}$$

$$p_{10,703} = \frac{1}{2}p_{9,191} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,191}^2 - 4(p_{9,416} + p_{9,304} + p_{9,296} + p_{9,68} + 2p_{9,276}\\&+ p_{9,468} + 2p_{9,258} + p_{9,282} + 2p_{9,278} + 2p_{9,129} + p_{9,401} + p_{9,465}\\&+ p_{9,57} + 2p_{9,325} + p_{9,109} + 2p_{9,365} + p_{9,493} + p_{9,459} + p_{9,299}\\&+ p_{9,27} + p_{9,423} + p_{9,231} + p_{9,471} + p_{9,271} + p_{9,143} + p_{9,239})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{10,959} = \frac{1}{2}p_{9,447} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,447}^2 - 4(p_{9,160} + p_{9,48} + p_{9,40} + p_{9,324} + 2p_{9,20}\\&+ p_{9,212} + 2p_{9,2} + p_{9,26} + 2p_{9,22} + 2p_{9,385} + p_{9,145} + p_{9,209}\\&+ p_{9,313} + 2p_{9,69} + 2p_{9,109} + p_{9,365} + p_{9,237} + p_{9,203} + p_{9,43}\\&+ p_{9,283} + p_{9,167} + p_{9,487} + p_{9,215} + p_{9,15} + p_{9,399} + p_{9,495})\end{aligned}}$$

$$p_{10,127} = \frac{1}{2}p_{9,127} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,127}^2 - 4(p_{9,352} + p_{9,240} + p_{9,232} + p_{9,4} + p_{9,404}\\&+ 2p_{9,212} + 2p_{9,194} + p_{9,218} + 2p_{9,214} + 2p_{9,65} + p_{9,401} + p_{9,337}\\&+ p_{9,505} + 2p_{9,261} + p_{9,45} + 2p_{9,301} + p_{9,429} + p_{9,395} + p_{9,235}\\&+ p_{9,475} + p_{9,167} + p_{9,359} + p_{9,407} + p_{9,79} + p_{9,207} + p_{9,175})\end{aligned}}$$

$$p_{10,639} = \frac{1}{2}p_{9,127} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,127}^2 - 4(p_{9,352} + p_{9,240} + p_{9,232} + p_{9,4} + p_{9,404}\\&+ 2p_{9,212} + 2p_{9,194} + p_{9,218} + 2p_{9,214} + 2p_{9,65} + p_{9,401} + p_{9,337}\\&+ p_{9,505} + 2p_{9,261} + p_{9,45} + 2p_{9,301} + p_{9,429} + p_{9,395} + p_{9,235}\\&+ p_{9,475} + p_{9,167} + p_{9,359} + p_{9,407} + p_{9,79} + p_{9,207} + p_{9,175})\end{aligned}}$$

$$p_{10,383} = \frac{1}{2}p_{9,383} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,383}^2 - 4(p_{9,96} + p_{9,496} + p_{9,488} + p_{9,260} + p_{9,148}\\&+ 2p_{9,468} + 2p_{9,450} + p_{9,474} + 2p_{9,470} + 2p_{9,321} + p_{9,145} + p_{9,81}\\&+ p_{9,249} + 2p_{9,5} + 2p_{9,45} + p_{9,301} + p_{9,173} + p_{9,139} + p_{9,491}\\&+ p_{9,219} + p_{9,423} + p_{9,103} + p_{9,151} + p_{9,335} + p_{9,463} + p_{9,431})\end{aligned}}$$

$$p_{10,895} = \frac{1}{2}p_{9,383} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,383}^2 - 4(p_{9,96} + p_{9,496} + p_{9,488} + p_{9,260} + p_{9,148}\\&+ 2p_{9,468} + 2p_{9,450} + p_{9,474} + 2p_{9,470} + 2p_{9,321} + p_{9,145} + p_{9,81}\\&+ p_{9,249} + 2p_{9,5} + 2p_{9,45} + p_{9,301} + p_{9,173} + p_{9,139} + p_{9,491}\\&+ p_{9,219} + p_{9,423} + p_{9,103} + p_{9,151} + p_{9,335} + p_{9,463} + p_{9,431})\end{aligned}}$$

$$p_{10,255} = \frac{1}{2}p_{9,255} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,255}^2 - 4(p_{9,480} + p_{9,368} + p_{9,360} + p_{9,132} + p_{9,20}\\&+ 2p_{9,340} + 2p_{9,322} + p_{9,346} + 2p_{9,342} + 2p_{9,193} + p_{9,17} + p_{9,465}\\&+ p_{9,121} + 2p_{9,389} + p_{9,45} + p_{9,173} + 2p_{9,429} + p_{9,11} + p_{9,363}\\&+ p_{9,91} + p_{9,295} + p_{9,487} + p_{9,23} + p_{9,335} + p_{9,207} + p_{9,303})\end{aligned}}$$

$$p_{10,767} = \frac{1}{2}p_{9,255} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,255}^2 - 4(p_{9,480} + p_{9,368} + p_{9,360} + p_{9,132} + p_{9,20}\\&+ 2p_{9,340} + 2p_{9,322} + p_{9,346} + 2p_{9,342} + 2p_{9,193} + p_{9,17} + p_{9,465}\\&+ p_{9,121} + 2p_{9,389} + p_{9,45} + p_{9,173} + 2p_{9,429} + p_{9,11} + p_{9,363}\\&+ p_{9,91} + p_{9,295} + p_{9,487} + p_{9,23} + p_{9,335} + p_{9,207} + p_{9,303})\end{aligned}}$$

$$p_{10,511} = \frac{1}{2}p_{9,511} + \frac{1}{2}\sqrt{\begin{aligned}&p_{9,511}^2 - 4(p_{9,224} + p_{9,112} + p_{9,104} + p_{9,388} + p_{9,276}\\&+ 2p_{9,84} + 2p_{9,66} + p_{9,90} + 2p_{9,86} + 2p_{9,449} + p_{9,273} + p_{9,209}\\&+ p_{9,377} + 2p_{9,133} + p_{9,301} + 2p_{9,173} + p_{9,429} + p_{9,267} + p_{9,107}\\&+ p_{9,347} + p_{9,39} + p_{9,231} + p_{9,279} + p_{9,79} + p_{9,463} + p_{9,47})\end{aligned}}$$

$$p_{10,1023} = \frac{1}{2}p_{9,511} - \frac{1}{2}\sqrt{\begin{aligned}&p_{9,511}^2 - 4(p_{9,224} + p_{9,112} + p_{9,104} + p_{9,388} + p_{9,276}\\&+ 2p_{9,84} + 2p_{9,66} + p_{9,90} + 2p_{9,86} + 2p_{9,449} + p_{9,273} + p_{9,209}\\&+ p_{9,377} + 2p_{9,133} + p_{9,301} + 2p_{9,173} + p_{9,429} + p_{9,267} + p_{9,107}\\&+ p_{9,347} + p_{9,39} + p_{9,231} + p_{9,279} + p_{9,79} + p_{9,463} + p_{9,47})\end{aligned}}$$

$$p_{11,0} = \frac{1}{2}p_{10,0} + \frac{1}{2}\sqrt{\begin{aligned}&p_{10,0}^2 - 4(2p_{10,0} + p_{10,840} + p_{10,184}\\&+ p_{10,308} + p_{10,530} + 2p_{10,154} + p_{10,666} + p_{10,718}\\&+ p_{10,945} + 2p_{10,777} + p_{10,733} + p_{10,359} + p_{10,23})\end{aligned}}$$

$$p_{11,1024} = \frac{1}{2}p_{10,0} - \frac{1}{2}\sqrt{\begin{aligned}&p_{10,0}^2 - 4(2p_{10,0} + p_{10,840} + p_{10,184}\\&+ p_{10,308} + p_{10,530} + 2p_{10,154} + p_{10,666} + p_{10,718}\\&+ p_{10,945} + 2p_{10,777} + p_{10,733} + p_{10,359} + p_{10,23})\end{aligned}}$$

36 unreferenced roots were skipped

$$p_{11,800} = \frac{1}{2}p_{10,800} + \frac{1}{2}\sqrt{\begin{array}{l}p_{10,800}^2 - 4(2p_{10,800} + p_{10,616} + p_{10,984}\\ + p_{10,84} + p_{10,306} + p_{10,442} + 2p_{10,954} + p_{10,494}\\ + p_{10,721} + 2p_{10,553} + p_{10,509} + p_{10,135} + p_{10,823})\end{array}}$$

$$p_{11,1824} = \frac{1}{2}p_{10,800} - \frac{1}{2}\sqrt{\begin{array}{l}p_{10,800}^2 - 4(2p_{10,800} + p_{10,616} + p_{10,984}\\ + p_{10,84} + p_{10,306} + p_{10,442} + 2p_{10,954} + p_{10,494}\\ + p_{10,721} + 2p_{10,553} + p_{10,509} + p_{10,135} + p_{10,823})\end{array}}$$

16 unreferenced roots were skipped

$$p_{11,224} = \frac{1}{2}p_{10,224} - \frac{1}{2}\sqrt{\begin{array}{l}p_{10,224}^2 - 4(2p_{10,224} + p_{10,40} + p_{10,408}\\ + p_{10,532} + p_{10,754} + 2p_{10,378} + p_{10,890} + p_{10,942}\\ + p_{10,145} + 2p_{10,1001} + p_{10,957} + p_{10,583} + p_{10,247})\end{array}}$$

$$p_{11,1248} = \frac{1}{2}p_{10,224} + \frac{1}{2}\sqrt{\begin{array}{l}p_{10,224}^2 - 4(2p_{10,224} + p_{10,40} + p_{10,408}\\ + p_{10,532} + p_{10,754} + 2p_{10,378} + p_{10,890} + p_{10,942}\\ + p_{10,145} + 2p_{10,1001} + p_{10,957} + p_{10,583} + p_{10,247})\end{array}}$$

2 unreferenced roots were skipped

$$p_{11,480} = \frac{1}{2}p_{10,480} + \frac{1}{2}\sqrt{\begin{array}{l}p_{10,480}^2 - 4(2p_{10,480} + p_{10,296} + p_{10,664}\\ + p_{10,788} + p_{10,1010} + p_{10,122} + 2p_{10,634} + p_{10,174}\\ + p_{10,401} + 2p_{10,233} + p_{10,189} + p_{10,839} + p_{10,503})\end{array}}$$

$$p_{11,1504} = \frac{1}{2}p_{10,480} - \frac{1}{2}\sqrt{\begin{array}{l}p_{10,480}^2 - 4(2p_{10,480} + p_{10,296} + p_{10,664}\\ + p_{10,788} + p_{10,1010} + p_{10,122} + 2p_{10,634} + p_{10,174}\\ + p_{10,401} + 2p_{10,233} + p_{10,189} + p_{10,839} + p_{10,503})\end{array}}$$

8 unreferenced roots were skipped

$$p_{11,784} = \frac{1}{2}p_{10,784} + \frac{1}{2}\sqrt{\begin{array}{l}p_{10,784}^2 - 4(2p_{10,784} + p_{10,968} + p_{10,600}\\ + p_{10,68} + p_{10,290} + p_{10,426} + 2p_{10,938} + p_{10,478}\\ + p_{10,705} + 2p_{10,537} + p_{10,493} + p_{10,807} + p_{10,119})\end{array}}$$

$$p_{11,1808} = \frac{1}{2}p_{10,784} - \frac{1}{2}\sqrt{\begin{array}{l}p_{10,784}^2 - 4(2p_{10,784} + p_{10,968} + p_{10,600}\\ + p_{10,68} + p_{10,290} + p_{10,426} + 2p_{10,938} + p_{10,478}\\ + p_{10,705} + 2p_{10,537} + p_{10,493} + p_{10,807} + p_{10,119})\end{array}}$$

10 unreferenced roots were skipped

$$p_{11,592} = \frac{1}{2}p_{10,592} - \frac{1}{2}\sqrt{\begin{array}{l}p_{10,592}^2 - 4(2p_{10,592} + p_{10,776} + p_{10,408}\\ + p_{10,900} + p_{10,98} + p_{10,234} + 2p_{10,746} + p_{10,286}\\ + p_{10,513} + 2p_{10,345} + p_{10,301} + p_{10,615} + p_{10,951})\end{array}}$$

$$p_{11,1616} = \frac{1}{2}p_{10,592} + \frac{1}{2}\sqrt{\begin{array}{l}p_{10,592}^2 - 4(2p_{10,592} + p_{10,776} + p_{10,408}\\ + p_{10,900} + p_{10,98} + p_{10,234} + 2p_{10,746} + p_{10,286}\\ + p_{10,513} + 2p_{10,345} + p_{10,301} + p_{10,615} + p_{10,951})\end{array}}$$

6 unreferenced roots were skipped

$$p_{11,720} = \frac{1}{2}p_{10,720} + \frac{1}{2}\sqrt{\begin{aligned}&p_{10,720}^2 - 4(2p_{10,720} + p_{10,904} + p_{10,536}\\&+ p_{10,4} + p_{10,226} + p_{10,362} + 2p_{10,874} + p_{10,414}\\&+ p_{10,641} + 2p_{10,473} + p_{10,429} + p_{10,743} + p_{10,55})\end{aligned}}$$

$$p_{11,1744} = \frac{1}{2}p_{10,720} - \frac{1}{2}\sqrt{\begin{aligned}&p_{10,720}^2 - 4(2p_{10,720} + p_{10,904} + p_{10,536}\\&+ p_{10,4} + p_{10,226} + p_{10,362} + 2p_{10,874} + p_{10,414}\\&+ p_{10,641} + 2p_{10,473} + p_{10,429} + p_{10,743} + p_{10,55})\end{aligned}}$$

28 unreferenced roots were skipped

$$p_{11,240} = \frac{1}{2}p_{10,240} - \frac{1}{2}\sqrt{\begin{aligned}&p_{10,240}^2 - 4(2p_{10,240} + p_{10,424} + p_{10,56}\\&+ p_{10,548} + p_{10,770} + 2p_{10,394} + p_{10,906} + p_{10,958}\\&+ p_{10,161} + 2p_{10,1017} + p_{10,973} + p_{10,263} + p_{10,599})\end{aligned}}$$

$$p_{11,1264} = \frac{1}{2}p_{10,240} + \frac{1}{2}\sqrt{\begin{aligned}&p_{10,240}^2 - 4(2p_{10,240} + p_{10,424} + p_{10,56}\\&+ p_{10,548} + p_{10,770} + 2p_{10,394} + p_{10,906} + p_{10,958}\\&+ p_{10,161} + 2p_{10,1017} + p_{10,973} + p_{10,263} + p_{10,599})\end{aligned}}$$

4 unreferenced roots were skipped

$$p_{11,1008} = \frac{1}{2}p_{10,1008} - \frac{1}{2}\sqrt{\begin{aligned}&p_{10,1008}^2 - 4(2p_{10,1008} + p_{10,168} + p_{10,824}\\&+ p_{10,292} + p_{10,514} + 2p_{10,138} + p_{10,650} + p_{10,702}\\&+ p_{10,929} + 2p_{10,761} + p_{10,717} + p_{10,7} + p_{10,343})\end{aligned}}$$

$$p_{11,2032} = \frac{1}{2}p_{10,1008} + \frac{1}{2}\sqrt{\begin{aligned}&p_{10,1008}^2 - 4(2p_{10,1008} + p_{10,168} + p_{10,824}\\&+ p_{10,292} + p_{10,514} + 2p_{10,138} + p_{10,650} + p_{10,702}\\&+ p_{10,929} + 2p_{10,761} + p_{10,717} + p_{10,7} + p_{10,343})\end{aligned}}$$

6 unreferenced roots were skipped

$$p_{11,776} = \frac{1}{2}p_{10,776} + \frac{1}{2}\sqrt{\begin{aligned}&p_{10,776}^2 - 4(p_{10,960} + p_{10,592} + 2p_{10,776}\\&+ p_{10,60} + p_{10,418} + 2p_{10,930} + p_{10,282} + p_{10,470}\\&+ 2p_{10,529} + p_{10,697} + p_{10,485} + p_{10,111} + p_{10,799})\end{aligned}}$$

$$p_{11,1800} = \frac{1}{2}p_{10,776} - \frac{1}{2}\sqrt{\begin{aligned}&p_{10,776}^2 - 4(p_{10,960} + p_{10,592} + 2p_{10,776}\\&+ p_{10,60} + p_{10,418} + 2p_{10,930} + p_{10,282} + p_{10,470}\\&+ 2p_{10,529} + p_{10,697} + p_{10,485} + p_{10,111} + p_{10,799})\end{aligned}}$$

14 unreferenced roots were skipped

$$p_{11,840} = \frac{1}{2}p_{10,840} - \frac{1}{2}\sqrt{\begin{aligned}&p_{10,840}^2 - 4(p_{10,0} + p_{10,656} + 2p_{10,840}\\&+ p_{10,124} + p_{10,482} + 2p_{10,994} + p_{10,346} + p_{10,534}\\&+ 2p_{10,593} + p_{10,761} + p_{10,549} + p_{10,175} + p_{10,863})\end{aligned}}$$

$$p_{11,1864} = \frac{1}{2}p_{10,840} + \frac{1}{2}\sqrt{\begin{aligned}&p_{10,840}^2 - 4(p_{10,0} + p_{10,656} + 2p_{10,840}\\&+ p_{10,124} + p_{10,482} + 2p_{10,994} + p_{10,346} + p_{10,534}\\&+ 2p_{10,593} + p_{10,761} + p_{10,549} + p_{10,175} + p_{10,863})\end{aligned}}$$

6 unreferenced roots were skipped

$$p_{11,968} = \frac{1}{2}p_{10,968} - \frac{1}{2}\sqrt{\begin{aligned}&p_{10,968}^2 - 4(p_{10,128} + p_{10,784} + 2p_{10,968}\\&+ p_{10,252} + 2p_{10,98} + p_{10,610} + p_{10,474} + p_{10,662}\\&+ 2p_{10,721} + p_{10,889} + p_{10,677} + p_{10,303} + p_{10,991})\end{aligned}}$$

$$p_{11,1992} = \frac{1}{2}p_{10,968} + \frac{1}{2}\sqrt{\begin{aligned}&p_{10,968}^2 - 4(p_{10,128} + p_{10,784} + 2p_{10,968}\\&+ p_{10,252} + 2p_{10,98} + p_{10,610} + p_{10,474} + p_{10,662}\\&+ 2p_{10,721} + p_{10,889} + p_{10,677} + p_{10,303} + p_{10,991})\end{aligned}}$$

8 unreferenced roots were skipped

$$p_{11,168} = \frac{1}{2}p_{10,168} + \frac{1}{2}\sqrt{\begin{aligned}&p_{10,168}^2 - 4(p_{10,352} + p_{10,1008} + 2p_{10,168}\\&+ p_{10,476} + 2p_{10,322} + p_{10,834} + p_{10,698} + p_{10,886}\\&+ 2p_{10,945} + p_{10,89} + p_{10,901} + p_{10,527} + p_{10,191})\end{aligned}}$$

$$p_{11,1192} = \frac{1}{2}p_{10,168} - \frac{1}{2}\sqrt{\begin{aligned}&p_{10,168}^2 - 4(p_{10,352} + p_{10,1008} + 2p_{10,168}\\&+ p_{10,476} + 2p_{10,322} + p_{10,834} + p_{10,698} + p_{10,886}\\&+ 2p_{10,945} + p_{10,89} + p_{10,901} + p_{10,527} + p_{10,191})\end{aligned}}$$

24 unreferenced roots were skipped

$$p_{11,536} = \frac{1}{2}p_{10,536} + \frac{1}{2}\sqrt{\begin{aligned}&p_{10,536}^2 - 4(p_{10,352} + p_{10,720} + 2p_{10,536}\\&+ p_{10,844} + p_{10,178} + 2p_{10,690} + p_{10,42} + p_{10,230}\\&+ 2p_{10,289} + p_{10,457} + p_{10,245} + p_{10,559} + p_{10,895})\end{aligned}}$$

$$p_{11,1560} = \frac{1}{2}p_{10,536} - \frac{1}{2}\sqrt{\begin{aligned}&p_{10,536}^2 - 4(p_{10,352} + p_{10,720} + 2p_{10,536}\\&+ p_{10,844} + p_{10,178} + 2p_{10,690} + p_{10,42} + p_{10,230}\\&+ 2p_{10,289} + p_{10,457} + p_{10,245} + p_{10,559} + p_{10,895})\end{aligned}}$$

8 unreferenced roots were skipped

$$p_{11,408} = \frac{1}{2}p_{10,408} - \frac{1}{2}\sqrt{\begin{aligned}&p_{10,408}^2 - 4(p_{10,224} + p_{10,592} + 2p_{10,408}\\&+ p_{10,716} + p_{10,50} + 2p_{10,562} + p_{10,938} + p_{10,102}\\&+ 2p_{10,161} + p_{10,329} + p_{10,117} + p_{10,431} + p_{10,767})\end{aligned}}$$

$$p_{11,1432} = \frac{1}{2}p_{10,408} + \frac{1}{2}\sqrt{\begin{aligned}&p_{10,408}^2 - 4(p_{10,224} + p_{10,592} + 2p_{10,408}\\&+ p_{10,716} + p_{10,50} + 2p_{10,562} + p_{10,938} + p_{10,102}\\&+ 2p_{10,161} + p_{10,329} + p_{10,117} + p_{10,431} + p_{10,767})\end{aligned}}$$

62 unreferenced roots were skipped

$$p_{11,388} = \frac{1}{2}p_{10,388} - \frac{1}{2}\sqrt{\begin{aligned}&p_{10,388}^2 - 4(p_{10,696} + 2p_{10,388} + p_{10,204}\\&+ p_{10,572} + p_{10,82} + p_{10,918} + p_{10,30} + 2p_{10,542}\\&+ p_{10,97} + p_{10,309} + 2p_{10,141} + p_{10,747} + p_{10,411})\end{aligned}}$$

$$p_{11,1412} = \frac{1}{2}p_{10,388} + \frac{1}{2}\sqrt{\begin{aligned}&p_{10,388}^2 - 4(p_{10,696} + 2p_{10,388} + p_{10,204}\\&+ p_{10,572} + p_{10,82} + p_{10,918} + p_{10,30} + 2p_{10,542}\\&+ p_{10,97} + p_{10,309} + 2p_{10,141} + p_{10,747} + p_{10,411})\end{aligned}}$$

12 unreferenced roots were skipped

$$p_{11,708} = \frac{1}{2}p_{10,708} + \frac{1}{2}\sqrt{\begin{aligned}&p_{10,708}^2 - 4(p_{10,1016} + 2p_{10,708} + p_{10,524}\\&+ p_{10,892} + p_{10,402} + p_{10,214} + p_{10,350} + 2p_{10,862}\\&+ p_{10,417} + p_{10,629} + 2p_{10,461} + p_{10,43} + p_{10,731})\end{aligned}}$$

$$p_{11,1732} = \frac{1}{2}p_{10,708} - \frac{1}{2}\sqrt{\begin{aligned}&p_{10,708}^2 - 4(p_{10,1016} + 2p_{10,708} + p_{10,524}\\&+ p_{10,892} + p_{10,402} + p_{10,214} + p_{10,350} + 2p_{10,862}\\&+ p_{10,417} + p_{10,629} + 2p_{10,461} + p_{10,43} + p_{10,731})\end{aligned}}$$

18 unreferenced roots were skipped

$$p_{11,932} = \frac{1}{2}p_{10,932} - \frac{1}{2}\sqrt{\begin{aligned}&p_{10,932}^2 - 4(p_{10,216} + 2p_{10,932} + p_{10,748}\\&+ p_{10,92} + p_{10,626} + p_{10,438} + 2p_{10,62} + p_{10,574}\\&+ p_{10,641} + p_{10,853} + 2p_{10,685} + p_{10,267} + p_{10,955})\end{aligned}}$$

$$p_{11,1956} = \frac{1}{2}p_{10,932} + \frac{1}{2}\sqrt{\begin{aligned}&p_{10,932}^2 - 4(p_{10,216} + 2p_{10,932} + p_{10,748}\\&+ p_{10,92} + p_{10,626} + p_{10,438} + 2p_{10,62} + p_{10,574}\\&+ p_{10,641} + p_{10,853} + 2p_{10,685} + p_{10,267} + p_{10,955})\end{aligned}}$$

24 unreferenced roots were skipped

$$p_{11,148} = \frac{1}{2}p_{10,148} - \frac{1}{2}\sqrt{\begin{aligned}&p_{10,148}^2 - 4(p_{10,456} + 2p_{10,148} + p_{10,332}\\&+ p_{10,988} + p_{10,866} + p_{10,678} + 2p_{10,302} + p_{10,814}\\&+ p_{10,881} + p_{10,69} + 2p_{10,925} + p_{10,171} + p_{10,507})\end{aligned}}$$

$$p_{11,1172} = \frac{1}{2}p_{10,148} + \frac{1}{2}\sqrt{\begin{aligned}&p_{10,148}^2 - 4(p_{10,456} + 2p_{10,148} + p_{10,332}\\&+ p_{10,988} + p_{10,866} + p_{10,678} + 2p_{10,302} + p_{10,814}\\&+ p_{10,881} + p_{10,69} + 2p_{10,925} + p_{10,171} + p_{10,507})\end{aligned}}$$

40 unreferenced roots were skipped

$$p_{11,628} = \frac{1}{2}p_{10,628} + \frac{1}{2}\sqrt{\begin{aligned}&p_{10,628}^2 - 4(p_{10,936} + 2p_{10,628} + p_{10,812}\\&+ p_{10,444} + p_{10,322} + p_{10,134} + p_{10,270} + 2p_{10,782}\\&+ p_{10,337} + p_{10,549} + 2p_{10,381} + p_{10,651} + p_{10,987})\end{aligned}}$$

$$p_{11,1652} = \frac{1}{2}p_{10,628} - \frac{1}{2}\sqrt{\begin{aligned}&p_{10,628}^2 - 4(p_{10,936} + 2p_{10,628} + p_{10,812}\\&+ p_{10,444} + p_{10,322} + p_{10,134} + p_{10,270} + 2p_{10,782}\\&+ p_{10,337} + p_{10,549} + 2p_{10,381} + p_{10,651} + p_{10,987})\end{aligned}}$$

28 unreferenced roots were skipped

$$p_{11,76} = \frac{1}{2}p_{10,76} - \frac{1}{2}\sqrt{\begin{aligned}&p_{10,76}^2 - 4(p_{10,384} + p_{10,260} + p_{10,916}\\&+ 2p_{10,76} + p_{10,794} + 2p_{10,230} + p_{10,742} + p_{10,606}\\&+ p_{10,809} + 2p_{10,853} + p_{10,1021} + p_{10,99} + p_{10,435})\end{aligned}}$$

$$p_{11,1100} = \frac{1}{2}p_{10,76} + \frac{1}{2}\sqrt{\begin{aligned}&p_{10,76}^2 - 4(p_{10,384} + p_{10,260} + p_{10,916}\\&+ 2p_{10,76} + p_{10,794} + 2p_{10,230} + p_{10,742} + p_{10,606}\\&+ p_{10,809} + 2p_{10,853} + p_{10,1021} + p_{10,99} + p_{10,435})\end{aligned}}$$

2 unreferenced roots were skipped

$$p_{11,332} = \frac{1}{2}p_{10,332} + \frac{1}{2}\sqrt{\begin{aligned}&p_{10,332}^2 - 4(p_{10,640} + p_{10,516} + p_{10,148}\\&+ 2p_{10,332} + p_{10,26} + 2p_{10,486} + p_{10,998} + p_{10,862}\\&+ p_{10,41} + 2p_{10,85} + p_{10,253} + p_{10,355} + p_{10,691})\end{aligned}}$$

$$p_{11,1356} = \frac{1}{2}p_{10,332} - \frac{1}{2}\sqrt{\begin{aligned}&p_{10,332}^2 - 4(p_{10,640} + p_{10,516} + p_{10,148}\\&+ 2p_{10,332} + p_{10,26} + 2p_{10,486} + p_{10,998} + p_{10,862}\\&+ p_{10,41} + 2p_{10,85} + p_{10,253} + p_{10,355} + p_{10,691})\end{aligned}}$$

20 unreferenced roots were skipped

$$p_{11,684} = \frac{1}{2}p_{10,684} + \frac{1}{2}\sqrt{\begin{aligned}&p_{10,684}^2 - 4(p_{10,992} + p_{10,868} + p_{10,500}\\&+ 2p_{10,684} + p_{10,378} + p_{10,326} + 2p_{10,838} + p_{10,190}\\&+ p_{10,393} + 2p_{10,437} + p_{10,605} + p_{10,707} + p_{10,19})\end{aligned}}$$

$$p_{11,1708} = \frac{1}{2}p_{10,684} - \frac{1}{2}\sqrt{\begin{aligned}&p_{10,684}^2 - 4(p_{10,992} + p_{10,868} + p_{10,500}\\&+ 2p_{10,684} + p_{10,378} + p_{10,326} + 2p_{10,838} + p_{10,190}\\&+ p_{10,393} + 2p_{10,437} + p_{10,605} + p_{10,707} + p_{10,19})\end{aligned}}$$

10 unreferenced roots were skipped

$$p_{11,876} = \frac{1}{2}p_{10,876} - \frac{1}{2}\sqrt{\begin{aligned}&p_{10,876}^2 - 4(p_{10,160} + p_{10,36} + p_{10,692}\\&+ 2p_{10,876} + p_{10,570} + 2p_{10,6} + p_{10,518} + p_{10,382}\\&+ p_{10,585} + 2p_{10,629} + p_{10,797} + p_{10,899} + p_{10,211})\end{aligned}}$$

$$p_{11,1900} = \frac{1}{2}p_{10,876} + \frac{1}{2}\sqrt{\begin{aligned}&p_{10,876}^2 - 4(p_{10,160} + p_{10,36} + p_{10,692}\\&+ 2p_{10,876} + p_{10,570} + 2p_{10,6} + p_{10,518} + p_{10,382}\\&+ p_{10,585} + 2p_{10,629} + p_{10,797} + p_{10,899} + p_{10,211})\end{aligned}}$$

24 unreferenced roots were skipped

$$p_{11,92} = \frac{1}{2}p_{10,92} - \frac{1}{2}\sqrt{\begin{aligned}&p_{10,92}^2 - 4(p_{10,400} + p_{10,932} + p_{10,276}\\&+ 2p_{10,92} + p_{10,810} + 2p_{10,246} + p_{10,758} + p_{10,622}\\&+ p_{10,825} + 2p_{10,869} + p_{10,13} + p_{10,451} + p_{10,115})\end{aligned}}$$

$$p_{11,1116} = \frac{1}{2}p_{10,92} + \frac{1}{2}\sqrt{\begin{aligned}&p_{10,92}^2 - 4(p_{10,400} + p_{10,932} + p_{10,276}\\&+ 2p_{10,92} + p_{10,810} + 2p_{10,246} + p_{10,758} + p_{10,622}\\&+ p_{10,825} + 2p_{10,869} + p_{10,13} + p_{10,451} + p_{10,115})\end{aligned}}$$

16 unreferenced roots were skipped

$$p_{11,572} = \frac{1}{2}p_{10,572} - \frac{1}{2}\sqrt{\begin{aligned}&p_{10,572}^2 - 4(p_{10,880} + p_{10,388} + p_{10,756}\\&+ 2p_{10,572} + p_{10,266} + p_{10,214} + 2p_{10,726} + p_{10,78}\\&+ p_{10,281} + 2p_{10,325} + p_{10,493} + p_{10,931} + p_{10,595})\end{aligned}}$$

$$p_{11,1596} = \frac{1}{2}p_{10,572} + \frac{1}{2}\sqrt{\begin{aligned}&p_{10,572}^2 - 4(p_{10,880} + p_{10,388} + p_{10,756}\\&+ 2p_{10,572} + p_{10,266} + p_{10,214} + 2p_{10,726} + p_{10,78}\\&+ p_{10,281} + 2p_{10,325} + p_{10,493} + p_{10,931} + p_{10,595})\end{aligned}}$$

$$p_{11,316} = \frac{1}{2}p_{10,316} + \frac{1}{2}\sqrt{\begin{array}{l} p_{10,316}^2 - 4(p_{10,624} + p_{10,132} + p_{10,500} \\ + 2p_{10,316} + p_{10,10} + 2p_{10,470} + p_{10,982} + p_{10,846} \\ + p_{10,25} + 2p_{10,69} + p_{10,237} + p_{10,675} + p_{10,339}) \end{array}}$$

$$p_{11,1340} = \frac{1}{2}p_{10,316} - \frac{1}{2}\sqrt{\begin{array}{l} p_{10,316}^2 - 4(p_{10,624} + p_{10,132} + p_{10,500} \\ + 2p_{10,316} + p_{10,10} + 2p_{10,470} + p_{10,982} + p_{10,846} \\ + p_{10,25} + 2p_{10,69} + p_{10,237} + p_{10,675} + p_{10,339}) \end{array}}$$

16 unreferenced roots were skipped

$$p_{11,892} = \frac{1}{2}p_{10,892} - \frac{1}{2}\sqrt{\begin{array}{l} p_{10,892}^2 - 4(p_{10,176} + p_{10,708} + p_{10,52} \\ + 2p_{10,892} + p_{10,586} + 2p_{10,22} + p_{10,534} + p_{10,398} \\ + p_{10,601} + 2p_{10,645} + p_{10,813} + p_{10,227} + p_{10,915}) \end{array}}$$

$$p_{11,1916} = \frac{1}{2}p_{10,892} + \frac{1}{2}\sqrt{\begin{array}{l} p_{10,892}^2 - 4(p_{10,176} + p_{10,708} + p_{10,52} \\ + 2p_{10,892} + p_{10,586} + 2p_{10,22} + p_{10,534} + p_{10,398} \\ + p_{10,601} + 2p_{10,645} + p_{10,813} + p_{10,227} + p_{10,915}) \end{array}}$$

8 unreferenced roots were skipped

$$p_{11,2} = \frac{1}{2}p_{10,2} + \frac{1}{2}\sqrt{\begin{array}{l} p_{10,2}^2 - 4(p_{10,720} + p_{10,532} + 2p_{10,156} \\ + p_{10,668} + 2p_{10,2} + p_{10,842} + p_{10,186} + p_{10,310} \\ + p_{10,361} + p_{10,25} + p_{10,947} + 2p_{10,779} + p_{10,735}) \end{array}}$$

$$p_{11,1026} = \frac{1}{2}p_{10,2} - \frac{1}{2}\sqrt{\begin{array}{l} p_{10,2}^2 - 4(p_{10,720} + p_{10,532} + 2p_{10,156} \\ + p_{10,668} + 2p_{10,2} + p_{10,842} + p_{10,186} + p_{10,310} \\ + p_{10,361} + p_{10,25} + p_{10,947} + 2p_{10,779} + p_{10,735}) \end{array}}$$

62 unreferenced roots were skipped

$$p_{11,18} = \frac{1}{2}p_{10,18} + \frac{1}{2}\sqrt{\begin{array}{l} p_{10,18}^2 - 4(p_{10,736} + p_{10,548} + 2p_{10,172} \\ + p_{10,684} + 2p_{10,18} + p_{10,202} + p_{10,858} + p_{10,326} \\ + p_{10,41} + p_{10,377} + p_{10,963} + 2p_{10,795} + p_{10,751}) \end{array}}$$

$$p_{11,1042} = \frac{1}{2}p_{10,18} - \frac{1}{2}\sqrt{\begin{array}{l} p_{10,18}^2 - 4(p_{10,736} + p_{10,548} + 2p_{10,172} \\ + p_{10,684} + 2p_{10,18} + p_{10,202} + p_{10,858} + p_{10,326} \\ + p_{10,41} + p_{10,377} + p_{10,963} + 2p_{10,795} + p_{10,751}) \end{array}}$$

6 unreferenced roots were skipped

$$p_{11,146} = \frac{1}{2}p_{10,146} - \frac{1}{2}\sqrt{\begin{array}{l} p_{10,146}^2 - 4(p_{10,864} + p_{10,676} + 2p_{10,300} \\ + p_{10,812} + 2p_{10,146} + p_{10,330} + p_{10,986} + p_{10,454} \\ + p_{10,169} + p_{10,505} + p_{10,67} + 2p_{10,923} + p_{10,879}) \end{array}}$$

$$p_{11,1170} = \frac{1}{2}p_{10,146} + \frac{1}{2}\sqrt{\begin{array}{l} p_{10,146}^2 - 4(p_{10,864} + p_{10,676} + 2p_{10,300} \\ + p_{10,812} + 2p_{10,146} + p_{10,330} + p_{10,986} + p_{10,454} \\ + p_{10,169} + p_{10,505} + p_{10,67} + 2p_{10,923} + p_{10,879}) \end{array}}$$

4 unreferenced roots were skipped

$$p_{11,914} = \frac{1}{2}p_{10,914} - \frac{1}{2}\sqrt{\begin{aligned}&p_{10,914}^2 - 4(p_{10,608} + p_{10,420} + 2p_{10,44}\\&+ p_{10,556} + 2p_{10,914} + p_{10,74} + p_{10,730} + p_{10,198}\\&+ p_{10,937} + p_{10,249} + p_{10,835} + 2p_{10,667} + p_{10,623})\end{aligned}}$$

$$p_{11,1938} = \frac{1}{2}p_{10,914} + \frac{1}{2}\sqrt{\begin{aligned}&p_{10,914}^2 - 4(p_{10,608} + p_{10,420} + 2p_{10,44}\\&+ p_{10,556} + 2p_{10,914} + p_{10,74} + p_{10,730} + p_{10,198}\\&+ p_{10,937} + p_{10,249} + p_{10,835} + 2p_{10,667} + p_{10,623})\end{aligned}}$$

40 unreferenced roots were skipped

$$p_{11,242} = \frac{1}{2}p_{10,242} - \frac{1}{2}\sqrt{\begin{aligned}&p_{10,242}^2 - 4(p_{10,960} + p_{10,772} + 2p_{10,396}\\&+ p_{10,908} + 2p_{10,242} + p_{10,426} + p_{10,58} + p_{10,550}\\&+ p_{10,265} + p_{10,601} + p_{10,163} + 2p_{10,1019} + p_{10,975})\end{aligned}}$$

$$p_{11,1266} = \frac{1}{2}p_{10,242} + \frac{1}{2}\sqrt{\begin{aligned}&p_{10,242}^2 - 4(p_{10,960} + p_{10,772} + 2p_{10,396}\\&+ p_{10,908} + 2p_{10,242} + p_{10,426} + p_{10,58} + p_{10,550}\\&+ p_{10,265} + p_{10,601} + p_{10,163} + 2p_{10,1019} + p_{10,975})\end{aligned}}$$

12 unreferenced roots were skipped

$$p_{11,778} = \frac{1}{2}p_{10,778} + \frac{1}{2}\sqrt{\begin{aligned}&p_{10,778}^2 - 4(p_{10,472} + p_{10,420} + 2p_{10,932}\\&+ p_{10,284} + p_{10,962} + p_{10,594} + 2p_{10,778} + p_{10,62}\\&+ p_{10,801} + p_{10,113} + 2p_{10,531} + p_{10,699} + p_{10,487})\end{aligned}}$$

$$p_{11,1802} = \frac{1}{2}p_{10,778} - \frac{1}{2}\sqrt{\begin{aligned}&p_{10,778}^2 - 4(p_{10,472} + p_{10,420} + 2p_{10,932}\\&+ p_{10,284} + p_{10,962} + p_{10,594} + 2p_{10,778} + p_{10,62}\\&+ p_{10,801} + p_{10,113} + 2p_{10,531} + p_{10,699} + p_{10,487})\end{aligned}}$$

8 unreferenced roots were skipped

$$p_{11,74} = \frac{1}{2}p_{10,74} - \frac{1}{2}\sqrt{\begin{aligned}&p_{10,74}^2 - 4(p_{10,792} + 2p_{10,228} + p_{10,740}\\&+ p_{10,604} + p_{10,258} + p_{10,914} + 2p_{10,74} + p_{10,382}\\&+ p_{10,97} + p_{10,433} + 2p_{10,851} + p_{10,1019} + p_{10,807})\end{aligned}}$$

$$p_{11,1098} = \frac{1}{2}p_{10,74} + \frac{1}{2}\sqrt{\begin{aligned}&p_{10,74}^2 - 4(p_{10,792} + 2p_{10,228} + p_{10,740}\\&+ p_{10,604} + p_{10,258} + p_{10,914} + 2p_{10,74} + p_{10,382}\\&+ p_{10,97} + p_{10,433} + 2p_{10,851} + p_{10,1019} + p_{10,807})\end{aligned}}$$

54 unreferenced roots were skipped

$$p_{11,154} = \frac{1}{2}p_{10,154} - \frac{1}{2}\sqrt{\begin{aligned}&p_{10,154}^2 - 4(p_{10,872} + 2p_{10,308} + p_{10,820}\\&+ p_{10,684} + p_{10,994} + p_{10,338} + 2p_{10,154} + p_{10,462}\\&+ p_{10,513} + p_{10,177} + 2p_{10,931} + p_{10,75} + p_{10,887})\end{aligned}}$$

$$p_{11,1178} = \frac{1}{2}p_{10,154} + \frac{1}{2}\sqrt{\begin{aligned}&p_{10,154}^2 - 4(p_{10,872} + 2p_{10,308} + p_{10,820}\\&+ p_{10,684} + p_{10,994} + p_{10,338} + 2p_{10,154} + p_{10,462}\\&+ p_{10,513} + p_{10,177} + 2p_{10,931} + p_{10,75} + p_{10,887})\end{aligned}}$$

6 unreferenced roots were skipped

$$p_{11,90} = \frac{1}{2}p_{10,90} - \frac{1}{2}\sqrt{\begin{aligned}&p_{10,90}^2 - 4(p_{10,808} + 2p_{10,244} + p_{10,756}\\&+ p_{10,620} + p_{10,930} + p_{10,274} + 2p_{10,90} + p_{10,398}\\&+ p_{10,449} + p_{10,113} + 2p_{10,867} + p_{10,11} + p_{10,823})\end{aligned}}$$

$$p_{11,1114} = \frac{1}{2}p_{10,90} + \frac{1}{2}\sqrt{\begin{aligned}&p_{10,90}^2 - 4(p_{10,808} + 2p_{10,244} + p_{10,756}\\&+ p_{10,620} + p_{10,930} + p_{10,274} + 2p_{10,90} + p_{10,398}\\&+ p_{10,449} + p_{10,113} + 2p_{10,867} + p_{10,11} + p_{10,823})\end{aligned}}$$

4 unreferenced roots were skipped

$$p_{11,858} = \frac{1}{2}p_{10,858} + \frac{1}{2}\sqrt{\begin{aligned}&p_{10,858}^2 - 4(p_{10,552} + p_{10,500} + 2p_{10,1012}\\&+ p_{10,364} + p_{10,674} + p_{10,18} + 2p_{10,858} + p_{10,142}\\&+ p_{10,193} + p_{10,881} + 2p_{10,611} + p_{10,779} + p_{10,567})\end{aligned}}$$

$$p_{11,1882} = \frac{1}{2}p_{10,858} - \frac{1}{2}\sqrt{\begin{aligned}&p_{10,858}^2 - 4(p_{10,552} + p_{10,500} + 2p_{10,1012}\\&+ p_{10,364} + p_{10,674} + p_{10,18} + 2p_{10,858} + p_{10,142}\\&+ p_{10,193} + p_{10,881} + 2p_{10,611} + p_{10,779} + p_{10,567})\end{aligned}}$$

38 unreferenced roots were skipped

$$p_{11,1018} = \frac{1}{2}p_{10,1018} + \frac{1}{2}\sqrt{\begin{aligned}&p_{10,1018}^2 - 4(p_{10,712} + 2p_{10,148} + p_{10,660}\\&+ p_{10,524} + p_{10,834} + p_{10,178} + 2p_{10,1018} + p_{10,302}\\&+ p_{10,353} + p_{10,17} + 2p_{10,771} + p_{10,939} + p_{10,727})\end{aligned}}$$

$$p_{11,2042} = \frac{1}{2}p_{10,1018} - \frac{1}{2}\sqrt{\begin{aligned}&p_{10,1018}^2 - 4(p_{10,712} + 2p_{10,148} + p_{10,660}\\&+ p_{10,524} + p_{10,834} + p_{10,178} + 2p_{10,1018} + p_{10,302}\\&+ p_{10,353} + p_{10,17} + 2p_{10,771} + p_{10,939} + p_{10,727})\end{aligned}}$$

46 unreferenced roots were skipped

$$p_{11,934} = \frac{1}{2}p_{10,934} - \frac{1}{2}\sqrt{\begin{aligned}&p_{10,934}^2 - 4(2p_{10,64} + p_{10,576} + p_{10,440}\\&+ p_{10,628} + p_{10,218} + 2p_{10,934} + p_{10,750} + p_{10,94}\\&+ p_{10,269} + p_{10,957} + p_{10,643} + p_{10,855} + 2p_{10,687})\end{aligned}}$$

$$p_{11,1958} = \frac{1}{2}p_{10,934} + \frac{1}{2}\sqrt{\begin{aligned}&p_{10,934}^2 - 4(2p_{10,64} + p_{10,576} + p_{10,440}\\&+ p_{10,628} + p_{10,218} + 2p_{10,934} + p_{10,750} + p_{10,94}\\&+ p_{10,269} + p_{10,957} + p_{10,643} + p_{10,855} + 2p_{10,687})\end{aligned}}$$

6 unreferenced roots were skipped

$$p_{11,870} = \frac{1}{2}p_{10,870} + \frac{1}{2}\sqrt{\begin{aligned}&p_{10,870}^2 - 4(2p_{10,0} + p_{10,512} + p_{10,376}\\&+ p_{10,564} + p_{10,154} + 2p_{10,870} + p_{10,686} + p_{10,30}\\&+ p_{10,205} + p_{10,893} + p_{10,579} + p_{10,791} + 2p_{10,623})\end{aligned}}$$

$$p_{11,1894} = \frac{1}{2}p_{10,870} - \frac{1}{2}\sqrt{\begin{aligned}&p_{10,870}^2 - 4(2p_{10,0} + p_{10,512} + p_{10,376}\\&+ p_{10,564} + p_{10,154} + 2p_{10,870} + p_{10,686} + p_{10,30}\\&+ p_{10,205} + p_{10,893} + p_{10,579} + p_{10,791} + 2p_{10,623})\end{aligned}}$$

16 unreferenced roots were skipped

$$p_{11,150} = \frac{1}{2}p_{10,150} + \frac{1}{2}\sqrt{\begin{aligned}&p_{10,150}^2 - 4(2p_{10,304} + p_{10,816} + p_{10,680}\\&+ p_{10,868} + p_{10,458} + 2p_{10,150} + p_{10,334} + p_{10,990}\\&+ p_{10,173} + p_{10,509} + p_{10,883} + p_{10,71} + 2p_{10,927})\end{aligned}}$$

$$p_{11,1174} = \frac{1}{2}p_{10,150} - \frac{1}{2}\sqrt{\begin{aligned}&p_{10,150}^2 - 4(2p_{10,304} + p_{10,816} + p_{10,680}\\&+ p_{10,868} + p_{10,458} + 2p_{10,150} + p_{10,334} + p_{10,990}\\&+ p_{10,173} + p_{10,509} + p_{10,883} + p_{10,71} + 2p_{10,927})\end{aligned}}$$

6 unreferenced roots were skipped

$$p_{11,86} = \frac{1}{2}p_{10,86} + \frac{1}{2}\sqrt{\begin{aligned}&p_{10,86}^2 - 4(2p_{10,240} + p_{10,752} + p_{10,616}\\&+ p_{10,804} + p_{10,394} + 2p_{10,86} + p_{10,270} + p_{10,926}\\&+ p_{10,109} + p_{10,445} + p_{10,819} + p_{10,7} + 2p_{10,863})\end{aligned}}$$

$$p_{11,1110} = \frac{1}{2}p_{10,86} - \frac{1}{2}\sqrt{\begin{aligned}&p_{10,86}^2 - 4(2p_{10,240} + p_{10,752} + p_{10,616}\\&+ p_{10,804} + p_{10,394} + 2p_{10,86} + p_{10,270} + p_{10,926}\\&+ p_{10,109} + p_{10,445} + p_{10,819} + p_{10,7} + 2p_{10,863})\end{aligned}}$$

14 unreferenced roots were skipped

$$p_{11,54} = \frac{1}{2}p_{10,54} - \frac{1}{2}\sqrt{\begin{aligned}&p_{10,54}^2 - 4(2p_{10,208} + p_{10,720} + p_{10,584}\\&+ p_{10,772} + p_{10,362} + 2p_{10,54} + p_{10,238} + p_{10,894}\\&+ p_{10,77} + p_{10,413} + p_{10,787} + p_{10,999} + 2p_{10,831})\end{aligned}}$$

$$p_{11,1078} = \frac{1}{2}p_{10,54} + \frac{1}{2}\sqrt{\begin{aligned}&p_{10,54}^2 - 4(2p_{10,208} + p_{10,720} + p_{10,584}\\&+ p_{10,772} + p_{10,362} + 2p_{10,54} + p_{10,238} + p_{10,894}\\&+ p_{10,77} + p_{10,413} + p_{10,787} + p_{10,999} + 2p_{10,831})\end{aligned}}$$

6 unreferenced roots were skipped

$$p_{11,182} = \frac{1}{2}p_{10,182} + \frac{1}{2}\sqrt{\begin{aligned}&p_{10,182}^2 - 4(2p_{10,336} + p_{10,848} + p_{10,712}\\&+ p_{10,900} + p_{10,490} + 2p_{10,182} + p_{10,366} + p_{10,1022}\\&+ p_{10,205} + p_{10,541} + p_{10,915} + p_{10,103} + 2p_{10,959})\end{aligned}}$$

$$p_{11,1206} = \frac{1}{2}p_{10,182} - \frac{1}{2}\sqrt{\begin{aligned}&p_{10,182}^2 - 4(2p_{10,336} + p_{10,848} + p_{10,712}\\&+ p_{10,900} + p_{10,490} + 2p_{10,182} + p_{10,366} + p_{10,1022}\\&+ p_{10,205} + p_{10,541} + p_{10,915} + p_{10,103} + 2p_{10,959})\end{aligned}}$$

4 unreferenced roots were skipped

$$p_{11,950} = \frac{1}{2}p_{10,950} + \frac{1}{2}\sqrt{\begin{aligned}&p_{10,950}^2 - 4(2p_{10,80} + p_{10,592} + p_{10,456}\\&+ p_{10,644} + p_{10,234} + 2p_{10,950} + p_{10,110} + p_{10,766}\\&+ p_{10,973} + p_{10,285} + p_{10,659} + p_{10,871} + 2p_{10,703})\end{aligned}}$$

$$p_{11,1974} = \frac{1}{2}p_{10,950} - \frac{1}{2}\sqrt{\begin{aligned}&p_{10,950}^2 - 4(2p_{10,80} + p_{10,592} + p_{10,456}\\&+ p_{10,644} + p_{10,234} + 2p_{10,950} + p_{10,110} + p_{10,766}\\&+ p_{10,973} + p_{10,285} + p_{10,659} + p_{10,871} + 2p_{10,703})\end{aligned}}$$

8 unreferenced roots were skipped

$$p_{11,246} = \frac{1}{2}p_{10,246} + \frac{1}{2}\sqrt{\begin{aligned}&p_{10,246}^2 - 4(2p_{10,400} + p_{10,912} + p_{10,776}\\&+ p_{10,964} + p_{10,554} + 2p_{10,246} + p_{10,430} + p_{10,62}\\&+ p_{10,269} + p_{10,605} + p_{10,979} + p_{10,167} + 2p_{10,1023})\end{aligned}}$$

$$p_{11,1270} = \frac{1}{2}p_{10,246} - \frac{1}{2}\sqrt{\begin{aligned}&p_{10,246}^2 - 4(2p_{10,400} + p_{10,912} + p_{10,776}\\&+ p_{10,964} + p_{10,554} + 2p_{10,246} + p_{10,430} + p_{10,62}\\&+ p_{10,269} + p_{10,605} + p_{10,979} + p_{10,167} + 2p_{10,1023})\end{aligned}}$$

26 unreferenced roots were skipped

$$p_{11,334} = \frac{1}{2}p_{10,334} - \frac{1}{2}\sqrt{\begin{aligned}&p_{10,334}^2 - 4(p_{10,864} + 2p_{10,488} + p_{10,1000}\\&+ p_{10,28} + p_{10,642} + p_{10,518} + p_{10,150} + 2p_{10,334}\\&+ p_{10,357} + p_{10,693} + p_{10,43} + 2p_{10,87} + p_{10,255})\end{aligned}}$$

$$p_{11,1358} = \frac{1}{2}p_{10,334} + \frac{1}{2}\sqrt{\begin{aligned}&p_{10,334}^2 - 4(p_{10,864} + 2p_{10,488} + p_{10,1000}\\&+ p_{10,28} + p_{10,642} + p_{10,518} + p_{10,150} + 2p_{10,334}\\&+ p_{10,357} + p_{10,693} + p_{10,43} + 2p_{10,87} + p_{10,255})\end{aligned}}$$

20 unreferenced roots were skipped

$$p_{11,686} = \frac{1}{2}p_{10,686} - \frac{1}{2}\sqrt{\begin{aligned}&p_{10,686}^2 - 4(p_{10,192} + p_{10,328} + 2p_{10,840}\\&+ p_{10,380} + p_{10,994} + p_{10,870} + p_{10,502} + 2p_{10,686}\\&+ p_{10,709} + p_{10,21} + p_{10,395} + 2p_{10,439} + p_{10,607})\end{aligned}}$$

$$p_{11,1710} = \frac{1}{2}p_{10,686} + \frac{1}{2}\sqrt{\begin{aligned}&p_{10,686}^2 - 4(p_{10,192} + p_{10,328} + 2p_{10,840}\\&+ p_{10,380} + p_{10,994} + p_{10,870} + p_{10,502} + 2p_{10,686}\\&+ p_{10,709} + p_{10,21} + p_{10,395} + 2p_{10,439} + p_{10,607})\end{aligned}}$$

12 unreferenced roots were skipped

$$p_{11,238} = \frac{1}{2}p_{10,238} + \frac{1}{2}\sqrt{\begin{aligned}&p_{10,238}^2 - 4(p_{10,768} + 2p_{10,392} + p_{10,904}\\&+ p_{10,956} + p_{10,546} + p_{10,422} + p_{10,54} + 2p_{10,238}\\&+ p_{10,261} + p_{10,597} + p_{10,971} + 2p_{10,1015} + p_{10,159})\end{aligned}}$$

$$p_{11,1262} = \frac{1}{2}p_{10,238} - \frac{1}{2}\sqrt{\begin{aligned}&p_{10,238}^2 - 4(p_{10,768} + 2p_{10,392} + p_{10,904}\\&+ p_{10,956} + p_{10,546} + p_{10,422} + p_{10,54} + 2p_{10,238}\\&+ p_{10,261} + p_{10,597} + p_{10,971} + 2p_{10,1015} + p_{10,159})\end{aligned}}$$

4 unreferenced roots were skipped

$$p_{11,1006} = \frac{1}{2}p_{10,1006} + \frac{1}{2}\sqrt{\begin{aligned}&p_{10,1006}^2 - 4(p_{10,512} + 2p_{10,136} + p_{10,648}\\&+ p_{10,700} + p_{10,290} + p_{10,166} + p_{10,822} + 2p_{10,1006}\\&+ p_{10,5} + p_{10,341} + p_{10,715} + 2p_{10,759} + p_{10,927})\end{aligned}}$$

$$p_{11,2030} = \frac{1}{2}p_{10,1006} - \frac{1}{2}\sqrt{\begin{aligned}&p_{10,1006}^2 - 4(p_{10,512} + 2p_{10,136} + p_{10,648}\\&+ p_{10,700} + p_{10,290} + p_{10,166} + p_{10,822} + 2p_{10,1006}\\&+ p_{10,5} + p_{10,341} + p_{10,715} + 2p_{10,759} + p_{10,927})\end{aligned}}$$

14 unreferenced roots were skipped

$$p_{11,926} = \frac{1}{2}p_{10,926} + \frac{1}{2}\sqrt{\begin{array}{l}p_{10,926}^2 - 4(p_{10,432} + 2p_{10,56} + p_{10,568} \\ + p_{10,620} + p_{10,210} + p_{10,742} + p_{10,86} + 2p_{10,926} \\ + p_{10,261} + p_{10,949} + p_{10,635} + 2p_{10,679} + p_{10,847})\end{array}}$$

$$p_{11,1950} = \frac{1}{2}p_{10,926} - \frac{1}{2}\sqrt{\begin{array}{l}p_{10,926}^2 - 4(p_{10,432} + 2p_{10,56} + p_{10,568} \\ + p_{10,620} + p_{10,210} + p_{10,742} + p_{10,86} + 2p_{10,926} \\ + p_{10,261} + p_{10,949} + p_{10,635} + 2p_{10,679} + p_{10,847})\end{array}}$$

$$p_{11,94} = \frac{1}{2}p_{10,94} - \frac{1}{2}\sqrt{\begin{array}{l}p_{10,94}^2 - 4(p_{10,624} + 2p_{10,248} + p_{10,760} \\ + p_{10,812} + p_{10,402} + p_{10,934} + p_{10,278} + 2p_{10,94} \\ + p_{10,453} + p_{10,117} + p_{10,827} + 2p_{10,871} + p_{10,15})\end{array}}$$

$$p_{11,1118} = \frac{1}{2}p_{10,94} + \frac{1}{2}\sqrt{\begin{array}{l}p_{10,94}^2 - 4(p_{10,624} + 2p_{10,248} + p_{10,760} \\ + p_{10,812} + p_{10,402} + p_{10,934} + p_{10,278} + 2p_{10,94} \\ + p_{10,453} + p_{10,117} + p_{10,827} + 2p_{10,871} + p_{10,15})\end{array}}$$

14 unreferenced roots were skipped

$$p_{11,62} = \frac{1}{2}p_{10,62} - \frac{1}{2}\sqrt{\begin{array}{l}p_{10,62}^2 - 4(p_{10,592} + 2p_{10,216} + p_{10,728} \\ + p_{10,780} + p_{10,370} + p_{10,902} + p_{10,246} + 2p_{10,62} \\ + p_{10,421} + p_{10,85} + p_{10,795} + 2p_{10,839} + p_{10,1007})\end{array}}$$

$$p_{11,1086} = \frac{1}{2}p_{10,62} + \frac{1}{2}\sqrt{\begin{array}{l}p_{10,62}^2 - 4(p_{10,592} + 2p_{10,216} + p_{10,728} \\ + p_{10,780} + p_{10,370} + p_{10,902} + p_{10,246} + 2p_{10,62} \\ + p_{10,421} + p_{10,85} + p_{10,795} + 2p_{10,839} + p_{10,1007})\end{array}}$$

28 unreferenced roots were skipped

$$p_{11,1022} = \frac{1}{2}p_{10,1022} - \frac{1}{2}\sqrt{\begin{array}{l}p_{10,1022}^2 - 4(p_{10,528} + 2p_{10,152} + p_{10,664} \\ + p_{10,716} + p_{10,306} + p_{10,838} + p_{10,182} + 2p_{10,1022} \\ + p_{10,357} + p_{10,21} + p_{10,731} + 2p_{10,775} + p_{10,943})\end{array}}$$

$$p_{11,2046} = \frac{1}{2}p_{10,1022} + \frac{1}{2}\sqrt{\begin{array}{l}p_{10,1022}^2 - 4(p_{10,528} + 2p_{10,152} + p_{10,664} \\ + p_{10,716} + p_{10,306} + p_{10,838} + p_{10,182} + 2p_{10,1022} \\ + p_{10,357} + p_{10,21} + p_{10,731} + 2p_{10,775} + p_{10,943})\end{array}}$$

$$p_{11,1} = \frac{1}{2}p_{10,1} + \frac{1}{2}\sqrt{\begin{array}{l}p_{10,1}^2 - 4(p_{10,360} + p_{10,24} + p_{10,946} \\ + 2p_{10,778} + p_{10,734} + 2p_{10,1} + p_{10,841} + p_{10,185} \\ + p_{10,309} + p_{10,531} + 2p_{10,155} + p_{10,667} \\ + p_{10,719})\end{array}}$$

$$p_{11,1025} = \frac{1}{2}p_{10,1} - \frac{1}{2}\sqrt{\begin{array}{l}p_{10,1}^2 - 4(p_{10,360} + p_{10,24} + p_{10,946} \\ + 2p_{10,778} + p_{10,734} + 2p_{10,1} + p_{10,841} + p_{10,185} \\ + p_{10,309} + p_{10,531} + 2p_{10,155} + p_{10,667} \\ + p_{10,719})\end{array}}$$

36 unreferenced roots were skipped

$$p_{11,801} = \frac{1}{2}p_{10,801} + \frac{1}{2}\sqrt{\begin{aligned}&p_{10,801}^2 - 4(p_{10,136} + p_{10,824} + p_{10,722}\\&+ 2p_{10,554} + p_{10,510} + 2p_{10,801} + p_{10,617} + p_{10,985}\\&+ p_{10,85} + p_{10,307} + p_{10,443} + 2p_{10,955} + p_{10,495})\end{aligned}}$$

$$p_{11,1825} = \frac{1}{2}p_{10,801} - \frac{1}{2}\sqrt{\begin{aligned}&p_{10,801}^2 - 4(p_{10,136} + p_{10,824} + p_{10,722}\\&+ 2p_{10,554} + p_{10,510} + 2p_{10,801} + p_{10,617} + p_{10,985}\\&+ p_{10,85} + p_{10,307} + p_{10,443} + 2p_{10,955} + p_{10,495})\end{aligned}}$$

8 unreferenced roots were skipped

$$p_{11,97} = \frac{1}{2}p_{10,97} - \frac{1}{2}\sqrt{\begin{aligned}&p_{10,97}^2 - 4(p_{10,456} + p_{10,120} + p_{10,18}\\&+ 2p_{10,874} + p_{10,830} + 2p_{10,97} + p_{10,937} + p_{10,281}\\&+ p_{10,405} + p_{10,627} + 2p_{10,251} + p_{10,763} + p_{10,815})\end{aligned}}$$

$$p_{11,1121} = \frac{1}{2}p_{10,97} + \frac{1}{2}\sqrt{\begin{aligned}&p_{10,97}^2 - 4(p_{10,456} + p_{10,120} + p_{10,18}\\&+ 2p_{10,874} + p_{10,830} + 2p_{10,97} + p_{10,937} + p_{10,281}\\&+ p_{10,405} + p_{10,627} + 2p_{10,251} + p_{10,763} + p_{10,815})\end{aligned}}$$

12 unreferenced roots were skipped

$$p_{11,993} = \frac{1}{2}p_{10,993} - \frac{1}{2}\sqrt{\begin{aligned}&p_{10,993}^2 - 4(p_{10,328} + p_{10,1016} + p_{10,914}\\&+ 2p_{10,746} + p_{10,702} + 2p_{10,993} + p_{10,809} + p_{10,153}\\&+ p_{10,277} + p_{10,499} + 2p_{10,123} + p_{10,635} + p_{10,687})\end{aligned}}$$

$$p_{11,2017} = \frac{1}{2}p_{10,993} + \frac{1}{2}\sqrt{\begin{aligned}&p_{10,993}^2 - 4(p_{10,328} + p_{10,1016} + p_{10,914}\\&+ 2p_{10,746} + p_{10,702} + 2p_{10,993} + p_{10,809} + p_{10,153}\\&+ p_{10,277} + p_{10,499} + 2p_{10,123} + p_{10,635} + p_{10,687})\end{aligned}}$$

$$p_{11,17} = \frac{1}{2}p_{10,17} + \frac{1}{2}\sqrt{\begin{aligned}&p_{10,17}^2 - 4(p_{10,40} + p_{10,376} + p_{10,962}\\&+ 2p_{10,794} + p_{10,750} + 2p_{10,17} + p_{10,201} + p_{10,857}\\&+ p_{10,325} + p_{10,547} + 2p_{10,171} + p_{10,683} + p_{10,735})\end{aligned}}$$

$$p_{11,1041} = \frac{1}{2}p_{10,17} - \frac{1}{2}\sqrt{\begin{aligned}&p_{10,17}^2 - 4(p_{10,40} + p_{10,376} + p_{10,962}\\&+ 2p_{10,794} + p_{10,750} + 2p_{10,17} + p_{10,201} + p_{10,857}\\&+ p_{10,325} + p_{10,547} + 2p_{10,171} + p_{10,683} + p_{10,735})\end{aligned}}$$

4 unreferenced roots were skipped

$$p_{11,785} = \frac{1}{2}p_{10,785} - \frac{1}{2}\sqrt{\begin{aligned}&p_{10,785}^2 - 4(p_{10,808} + p_{10,120} + p_{10,706}\\&+ 2p_{10,538} + p_{10,494} + 2p_{10,785} + p_{10,969} + p_{10,601}\\&+ p_{10,69} + p_{10,291} + p_{10,427} + 2p_{10,939} + p_{10,479})\end{aligned}}$$

$$p_{11,1809} = \frac{1}{2}p_{10,785} + \frac{1}{2}\sqrt{\begin{aligned}&p_{10,785}^2 - 4(p_{10,808} + p_{10,120} + p_{10,706}\\&+ 2p_{10,538} + p_{10,494} + 2p_{10,785} + p_{10,969} + p_{10,601}\\&+ p_{10,69} + p_{10,291} + p_{10,427} + 2p_{10,939} + p_{10,479})\end{aligned}}$$

48 unreferenced roots were skipped

$$p_{11,241} = \frac{1}{2}p_{10,241} - \frac{1}{2}\sqrt{\begin{aligned}&p_{10,241}^2 - 4(p_{10,264} + p_{10,600} + p_{10,162}\\&+ 2p_{10,1018} + p_{10,974} + 2p_{10,241} + p_{10,425} + p_{10,57}\\&+ p_{10,549} + p_{10,771} + 2p_{10,395} + p_{10,907} + p_{10,959})\end{aligned}}$$

$$p_{11,1265} = \frac{1}{2}p_{10,241} + \frac{1}{2}\sqrt{\begin{aligned}&p_{10,241}^2 - 4(p_{10,264} + p_{10,600} + p_{10,162}\\&+ 2p_{10,1018} + p_{10,974} + 2p_{10,241} + p_{10,425} + p_{10,57}\\&+ p_{10,549} + p_{10,771} + 2p_{10,395} + p_{10,907} + p_{10,959})\end{aligned}}$$

12 unreferenced roots were skipped

$$p_{11,777} = \frac{1}{2}p_{10,777} + \frac{1}{2}\sqrt{\begin{aligned}&p_{10,777}^2 - 4(p_{10,800} + p_{10,112} + 2p_{10,530}\\&+ p_{10,698} + p_{10,486} + p_{10,961} + p_{10,593} + 2p_{10,777}\\&+ p_{10,61} + p_{10,419} + 2p_{10,931} + p_{10,283} + p_{10,471})\end{aligned}}$$

$$p_{11,1801} = \frac{1}{2}p_{10,777} - \frac{1}{2}\sqrt{\begin{aligned}&p_{10,777}^2 - 4(p_{10,800} + p_{10,112} + 2p_{10,530}\\&+ p_{10,698} + p_{10,486} + p_{10,961} + p_{10,593} + 2p_{10,777}\\&+ p_{10,61} + p_{10,419} + 2p_{10,931} + p_{10,283} + p_{10,471})\end{aligned}}$$

14 unreferenced roots were skipped

$$p_{11,841} = \frac{1}{2}p_{10,841} - \frac{1}{2}\sqrt{\begin{aligned}&p_{10,841}^2 - 4(p_{10,864} + p_{10,176} + 2p_{10,594}\\&+ p_{10,762} + p_{10,550} + p_{10,1} + p_{10,657} + 2p_{10,841}\\&+ p_{10,125} + p_{10,483} + 2p_{10,995} + p_{10,347} + p_{10,535})\end{aligned}}$$

$$p_{11,1865} = \frac{1}{2}p_{10,841} + \frac{1}{2}\sqrt{\begin{aligned}&p_{10,841}^2 - 4(p_{10,864} + p_{10,176} + 2p_{10,594}\\&+ p_{10,762} + p_{10,550} + p_{10,1} + p_{10,657} + 2p_{10,841}\\&+ p_{10,125} + p_{10,483} + 2p_{10,995} + p_{10,347} + p_{10,535})\end{aligned}}$$

6 unreferenced roots were skipped

$$p_{11,969} = \frac{1}{2}p_{10,969} - \frac{1}{2}\sqrt{\begin{aligned}&p_{10,969}^2 - 4(p_{10,992} + p_{10,304} + 2p_{10,722}\\&+ p_{10,890} + p_{10,678} + p_{10,129} + p_{10,785} + 2p_{10,969}\\&+ p_{10,253} + 2p_{10,99} + p_{10,611} + p_{10,475} + p_{10,663})\end{aligned}}$$

$$p_{11,1993} = \frac{1}{2}p_{10,969} + \frac{1}{2}\sqrt{\begin{aligned}&p_{10,969}^2 - 4(p_{10,992} + p_{10,304} + 2p_{10,722}\\&+ p_{10,890} + p_{10,678} + p_{10,129} + p_{10,785} + 2p_{10,969}\\&+ p_{10,253} + 2p_{10,99} + p_{10,611} + p_{10,475} + p_{10,663})\end{aligned}}$$

14 unreferenced roots were skipped

$$p_{11,937} = \frac{1}{2}p_{10,937} - \frac{1}{2}\sqrt{\begin{aligned}&p_{10,937}^2 - 4(p_{10,960} + p_{10,272} + 2p_{10,690}\\&+ p_{10,858} + p_{10,646} + p_{10,97} + p_{10,753} + 2p_{10,937}\\&+ p_{10,221} + 2p_{10,67} + p_{10,579} + p_{10,443} + p_{10,631})\end{aligned}}$$

$$p_{11,1961} = \frac{1}{2}p_{10,937} + \frac{1}{2}\sqrt{\begin{aligned}&p_{10,937}^2 - 4(p_{10,960} + p_{10,272} + 2p_{10,690}\\&+ p_{10,858} + p_{10,646} + p_{10,97} + p_{10,753} + 2p_{10,937}\\&+ p_{10,221} + 2p_{10,67} + p_{10,579} + p_{10,443} + p_{10,631})\end{aligned}}$$

24 unreferenced roots were skipped

$$p_{11,153} = \frac{1}{2}p_{10,153} - \frac{1}{2}\sqrt{\begin{aligned}&p_{10,153}^2 - 4(p_{10,512} + p_{10,176} + 2p_{10,930}\\&+ p_{10,74} + p_{10,886} + p_{10,993} + p_{10,337} + 2p_{10,153}\\&+ p_{10,461} + 2p_{10,307} + p_{10,819} + p_{10,683} + p_{10,871})\end{aligned}}$$

$$p_{11,1177} = \frac{1}{2}p_{10,153} + \frac{1}{2}\sqrt{\begin{aligned}&p_{10,153}^2 - 4(p_{10,512} + p_{10,176} + 2p_{10,930}\\&+ p_{10,74} + p_{10,886} + p_{10,993} + p_{10,337} + 2p_{10,153}\\&+ p_{10,461} + 2p_{10,307} + p_{10,819} + p_{10,683} + p_{10,871})\end{aligned}}$$

54 unreferenced roots were skipped

$$p_{11,5} = \frac{1}{2}p_{10,5} + \frac{1}{2}\sqrt{\begin{aligned}&p_{10,5}^2 - 4(p_{10,364} + p_{10,28} + p_{10,738}\\&+ p_{10,950} + 2p_{10,782} + p_{10,313} + 2p_{10,5} + p_{10,845}\\&+ p_{10,189} + p_{10,723} + p_{10,535} + 2p_{10,159}\\&+ p_{10,671})\end{aligned}}$$

$$p_{11,1029} = \frac{1}{2}p_{10,5} - \frac{1}{2}\sqrt{\begin{aligned}&p_{10,5}^2 - 4(p_{10,364} + p_{10,28} + p_{10,738}\\&+ p_{10,950} + 2p_{10,782} + p_{10,313} + 2p_{10,5} + p_{10,845}\\&+ p_{10,189} + p_{10,723} + p_{10,535} + 2p_{10,159}\\&+ p_{10,671})\end{aligned}}$$

24 unreferenced roots were skipped

$$p_{11,709} = \frac{1}{2}p_{10,709} + \frac{1}{2}\sqrt{\begin{aligned}&p_{10,709}^2 - 4(p_{10,44} + p_{10,732} + p_{10,418}\\&+ p_{10,630} + 2p_{10,462} + p_{10,1017} + 2p_{10,709} + p_{10,525}\\&+ p_{10,893} + p_{10,403} + p_{10,215} + p_{10,351} + 2p_{10,863})\end{aligned}}$$

$$p_{11,1733} = \frac{1}{2}p_{10,709} - \frac{1}{2}\sqrt{\begin{aligned}&p_{10,709}^2 - 4(p_{10,44} + p_{10,732} + p_{10,418}\\&+ p_{10,630} + 2p_{10,462} + p_{10,1017} + 2p_{10,709} + p_{10,525}\\&+ p_{10,893} + p_{10,403} + p_{10,215} + p_{10,351} + 2p_{10,863})\end{aligned}}$$

18 unreferenced roots were skipped

$$p_{11,933} = \frac{1}{2}p_{10,933} - \frac{1}{2}\sqrt{\begin{aligned}&p_{10,933}^2 - 4(p_{10,268} + p_{10,956} + p_{10,642}\\&+ p_{10,854} + 2p_{10,686} + p_{10,217} + 2p_{10,933} + p_{10,749}\\&+ p_{10,93} + p_{10,627} + p_{10,439} + 2p_{10,63} + p_{10,575})\end{aligned}}$$

$$p_{11,1957} = \frac{1}{2}p_{10,933} + \frac{1}{2}\sqrt{\begin{aligned}&p_{10,933}^2 - 4(p_{10,268} + p_{10,956} + p_{10,642}\\&+ p_{10,854} + 2p_{10,686} + p_{10,217} + 2p_{10,933} + p_{10,749}\\&+ p_{10,93} + p_{10,627} + p_{10,439} + 2p_{10,63} + p_{10,575})\end{aligned}}$$

6 unreferenced roots were skipped

$$p_{11,869} = \frac{1}{2}p_{10,869} - \frac{1}{2}\sqrt{\begin{aligned}&p_{10,869}^2 - 4(p_{10,204} + p_{10,892} + p_{10,578}\\&+ p_{10,790} + 2p_{10,622} + p_{10,153} + 2p_{10,869} + p_{10,685}\\&+ p_{10,29} + p_{10,563} + p_{10,375} + p_{10,511} + 2p_{10,1023})\end{aligned}}$$

$$p_{11,1893} = \frac{1}{2}p_{10,869} + \frac{1}{2}\sqrt{\begin{aligned}&p_{10,869}^2 - 4(p_{10,204} + p_{10,892} + p_{10,578}\\&+ p_{10,790} + 2p_{10,622} + p_{10,153} + 2p_{10,869} + p_{10,685}\\&+ p_{10,29} + p_{10,563} + p_{10,375} + p_{10,511} + 2p_{10,1023})\end{aligned}}$$

16 unreferenced roots were skipped

$$p_{11,149} = \frac{1}{2}p_{10,149} - \frac{1}{2}\sqrt{\begin{aligned}&p_{10,149}^2 - 4(p_{10,172} + p_{10,508} + p_{10,882}\\&+ p_{10,70} + 2p_{10,926} + p_{10,457} + 2p_{10,149} + p_{10,333}\\&+ p_{10,989} + p_{10,867} + p_{10,679} + 2p_{10,303} + p_{10,815})\end{aligned}}$$

$$p_{11,1173} = \frac{1}{2}p_{10,149} + \frac{1}{2}\sqrt{\begin{aligned}&p_{10,149}^2 - 4(p_{10,172} + p_{10,508} + p_{10,882}\\&+ p_{10,70} + 2p_{10,926} + p_{10,457} + 2p_{10,149} + p_{10,333}\\&+ p_{10,989} + p_{10,867} + p_{10,679} + 2p_{10,303} + p_{10,815})\end{aligned}}$$

36 unreferenced roots were skipped

$$p_{11,949} = \frac{1}{2}p_{10,949} - \frac{1}{2}\sqrt{\begin{aligned}&p_{10,949}^2 - 4(p_{10,972} + p_{10,284} + p_{10,658}\\&+ p_{10,870} + 2p_{10,702} + p_{10,233} + 2p_{10,949} + p_{10,109}\\&+ p_{10,765} + p_{10,643} + p_{10,455} + 2p_{10,79} + p_{10,591})\end{aligned}}$$

$$p_{11,1973} = \frac{1}{2}p_{10,949} + \frac{1}{2}\sqrt{\begin{aligned}&p_{10,949}^2 - 4(p_{10,972} + p_{10,284} + p_{10,658}\\&+ p_{10,870} + 2p_{10,702} + p_{10,233} + 2p_{10,949} + p_{10,109}\\&+ p_{10,765} + p_{10,643} + p_{10,455} + 2p_{10,79} + p_{10,591})\end{aligned}}$$

36 unreferenced roots were skipped

$$p_{11,333} = \frac{1}{2}p_{10,333} + \frac{1}{2}\sqrt{\begin{aligned}&p_{10,333}^2 - 4(p_{10,356} + p_{10,692} + p_{10,42}\\&+ 2p_{10,86} + p_{10,254} + p_{10,641} + p_{10,517} + p_{10,149}\\&+ 2p_{10,333} + p_{10,27} + 2p_{10,487} + p_{10,999} + p_{10,863})\end{aligned}}$$

$$p_{11,1357} = \frac{1}{2}p_{10,333} - \frac{1}{2}\sqrt{\begin{aligned}&p_{10,333}^2 - 4(p_{10,356} + p_{10,692} + p_{10,42}\\&+ 2p_{10,86} + p_{10,254} + p_{10,641} + p_{10,517} + p_{10,149}\\&+ 2p_{10,333} + p_{10,27} + 2p_{10,487} + p_{10,999} + p_{10,863})\end{aligned}}$$

20 unreferenced roots were skipped

$$p_{11,685} = \frac{1}{2}p_{10,685} + \frac{1}{2}\sqrt{\begin{aligned}&p_{10,685}^2 - 4(p_{10,708} + p_{10,20} + p_{10,394}\\&+ 2p_{10,438} + p_{10,606} + p_{10,993} + p_{10,869} + p_{10,501}\\&+ 2p_{10,685} + p_{10,379} + p_{10,327} + 2p_{10,839} + p_{10,191})\end{aligned}}$$

$$p_{11,1709} = \frac{1}{2}p_{10,685} - \frac{1}{2}\sqrt{\begin{aligned}&p_{10,685}^2 - 4(p_{10,708} + p_{10,20} + p_{10,394}\\&+ 2p_{10,438} + p_{10,606} + p_{10,993} + p_{10,869} + p_{10,501}\\&+ 2p_{10,685} + p_{10,379} + p_{10,327} + 2p_{10,839} + p_{10,191})\end{aligned}}$$

4 unreferenced roots were skipped

$$p_{11,109} = \frac{1}{2}p_{10,109} + \frac{1}{2}\sqrt{\begin{aligned}&p_{10,109}^2 - 4(p_{10,132} + p_{10,468} + p_{10,842}\\&+ 2p_{10,886} + p_{10,30} + p_{10,417} + p_{10,293} + p_{10,949}\\&+ 2p_{10,109} + p_{10,827} + 2p_{10,263} + p_{10,775} + p_{10,639})\end{aligned}}$$

$$p_{11,1133} = \frac{1}{2}p_{10,109} - \frac{1}{2}\sqrt{\begin{aligned}&p_{10,109}^2 - 4(p_{10,132} + p_{10,468} + p_{10,842}\\&+ 2p_{10,886} + p_{10,30} + p_{10,417} + p_{10,293} + p_{10,949}\\&+ 2p_{10,109} + p_{10,827} + 2p_{10,263} + p_{10,775} + p_{10,639})\end{aligned}}$$

4 unreferenced roots were skipped

$$p_{11,877} = \frac{1}{2}p_{10,877} - \frac{1}{2}\sqrt{\begin{aligned}&p_{10,877}^2 - 4(p_{10,900} + p_{10,212} + p_{10,586}\\&+ 2p_{10,630} + p_{10,798} + p_{10,161} + p_{10,37} + p_{10,693}\\&+ 2p_{10,877} + p_{10,571} + 2p_{10,7} + p_{10,519} + p_{10,383})\end{aligned}}$$

$$p_{11,1901} = \frac{1}{2}p_{10,877} + \frac{1}{2}\sqrt{\begin{aligned}&p_{10,877}^2 - 4(p_{10,900} + p_{10,212} + p_{10,586}\\&+ 2p_{10,630} + p_{10,798} + p_{10,161} + p_{10,37} + p_{10,693}\\&+ 2p_{10,877} + p_{10,571} + 2p_{10,7} + p_{10,519} + p_{10,383})\end{aligned}}$$

24 unreferenced roots were skipped

$$p_{11,93} = \frac{1}{2}p_{10,93} - \frac{1}{2}\sqrt{\begin{aligned}&p_{10,93}^2 - 4(p_{10,452} + p_{10,116} + p_{10,826}\\&+ 2p_{10,870} + p_{10,14} + p_{10,401} + p_{10,933} + p_{10,277}\\&+ 2p_{10,93} + p_{10,811} + 2p_{10,247} + p_{10,759} + p_{10,623})\end{aligned}}$$

$$p_{11,1117} = \frac{1}{2}p_{10,93} + \frac{1}{2}\sqrt{\begin{aligned}&p_{10,93}^2 - 4(p_{10,452} + p_{10,116} + p_{10,826}\\&+ 2p_{10,870} + p_{10,14} + p_{10,401} + p_{10,933} + p_{10,277}\\&+ 2p_{10,93} + p_{10,811} + 2p_{10,247} + p_{10,759} + p_{10,623})\end{aligned}}$$

14 unreferenced roots were skipped

$$p_{11,61} = \frac{1}{2}p_{10,61} + \frac{1}{2}\sqrt{\begin{aligned}&p_{10,61}^2 - 4(p_{10,420} + p_{10,84} + p_{10,794}\\&+ 2p_{10,838} + p_{10,1006} + p_{10,369} + p_{10,901} + p_{10,245}\\&+ 2p_{10,61} + p_{10,779} + 2p_{10,215} + p_{10,727} + p_{10,591})\end{aligned}}$$

$$p_{11,1085} = \frac{1}{2}p_{10,61} - \frac{1}{2}\sqrt{\begin{aligned}&p_{10,61}^2 - 4(p_{10,420} + p_{10,84} + p_{10,794}\\&+ 2p_{10,838} + p_{10,1006} + p_{10,369} + p_{10,901} + p_{10,245}\\&+ 2p_{10,61} + p_{10,779} + 2p_{10,215} + p_{10,727} + p_{10,591})\end{aligned}}$$

20 unreferenced roots were skipped

$$p_{11,893} = \frac{1}{2}p_{10,893} - \frac{1}{2}\sqrt{\begin{aligned}&p_{10,893}^2 - 4(p_{10,228} + p_{10,916} + p_{10,602}\\&+ 2p_{10,646} + p_{10,814} + p_{10,177} + p_{10,709} + p_{10,53}\\&+ 2p_{10,893} + p_{10,587} + 2p_{10,23} + p_{10,535} + p_{10,399})\end{aligned}}$$

$$p_{11,1917} = \frac{1}{2}p_{10,893} + \frac{1}{2}\sqrt{\begin{aligned}&p_{10,893}^2 - 4(p_{10,228} + p_{10,916} + p_{10,602}\\&+ 2p_{10,646} + p_{10,814} + p_{10,177} + p_{10,709} + p_{10,53}\\&+ 2p_{10,893} + p_{10,587} + 2p_{10,23} + p_{10,535} + p_{10,399})\end{aligned}}$$

8 unreferenced roots were skipped

$$p_{11,3} = \frac{1}{2}p_{10,3} + \frac{1}{2}\sqrt{\begin{aligned}&p_{10,3}^2 - 4(p_{10,736} + p_{10,948} + 2p_{10,780}\\&+ p_{10,362} + p_{10,26} + p_{10,721} + p_{10,533} + 2p_{10,157}\\&+ p_{10,669} + 2p_{10,3} + p_{10,843} + p_{10,187} + p_{10,311})\end{aligned}}$$

$$p_{11,1027} = \frac{1}{2}p_{10,3} - \frac{1}{2}\sqrt{\begin{aligned}&p_{10,3}^2 - 4(p_{10,736} + p_{10,948} + 2p_{10,780}\\&+ p_{10,362} + p_{10,26} + p_{10,721} + p_{10,533} + 2p_{10,157}\\&+ p_{10,669} + 2p_{10,3} + p_{10,843} + p_{10,187} + p_{10,311})\end{aligned}}$$

24 unreferenced roots were skipped

$$p_{11,707} = \frac{1}{2}p_{10,707} + \frac{1}{2}\sqrt{\begin{aligned}&p_{10,707}^2 - 4(p_{10,416} + p_{10,628} + 2p_{10,460}\\&+ p_{10,42} + p_{10,730} + p_{10,401} + p_{10,213} + p_{10,349}\\&+ 2p_{10,861} + 2p_{10,707} + p_{10,523} + p_{10,891}\\&+ p_{10,1015})\end{aligned}}$$

$$p_{11,1731} = \frac{1}{2}p_{10,707} - \frac{1}{2}\sqrt{\begin{aligned}&p_{10,707}^2 - 4(p_{10,416} + p_{10,628} + 2p_{10,460}\\&+ p_{10,42} + p_{10,730} + p_{10,401} + p_{10,213} + p_{10,349}\\&+ 2p_{10,861} + 2p_{10,707} + p_{10,523} + p_{10,891}\\&+ p_{10,1015})\end{aligned}}$$

18 unreferenced roots were skipped

$$p_{11,931} = \frac{1}{2}p_{10,931} - \frac{1}{2}\sqrt{\begin{aligned}&p_{10,931}^2 - 4(p_{10,640} + p_{10,852} + 2p_{10,684}\\&+ p_{10,266} + p_{10,954} + p_{10,625} + p_{10,437} + 2p_{10,61}\\&+ p_{10,573} + 2p_{10,931} + p_{10,747} + p_{10,91} + p_{10,215})\end{aligned}}$$

$$p_{11,1955} = \frac{1}{2}p_{10,931} + \frac{1}{2}\sqrt{\begin{aligned}&p_{10,931}^2 - 4(p_{10,640} + p_{10,852} + 2p_{10,684}\\&+ p_{10,266} + p_{10,954} + p_{10,625} + p_{10,437} + 2p_{10,61}\\&+ p_{10,573} + 2p_{10,931} + p_{10,747} + p_{10,91} + p_{10,215})\end{aligned}}$$

24 unreferenced roots were skipped

$$p_{11,147} = \frac{1}{2}p_{10,147} - \frac{1}{2}\sqrt{\begin{aligned}&p_{10,147}^2 - 4(p_{10,880} + p_{10,68} + 2p_{10,924}\\&+ p_{10,170} + p_{10,506} + p_{10,865} + p_{10,677} + 2p_{10,301}\\&+ p_{10,813} + 2p_{10,147} + p_{10,331} + p_{10,987} + p_{10,455})\end{aligned}}$$

$$p_{11,1171} = \frac{1}{2}p_{10,147} + \frac{1}{2}\sqrt{\begin{aligned}&p_{10,147}^2 - 4(p_{10,880} + p_{10,68} + 2p_{10,924}\\&+ p_{10,170} + p_{10,506} + p_{10,865} + p_{10,677} + 2p_{10,301}\\&+ p_{10,813} + 2p_{10,147} + p_{10,331} + p_{10,987} + p_{10,455})\end{aligned}}$$

46 unreferenced roots were skipped

$$p_{11,243} = \frac{1}{2}p_{10,243} - \frac{1}{2}\sqrt{\begin{aligned}&p_{10,243}^2 - 4(p_{10,976} + p_{10,164} + 2p_{10,1020}\\&+ p_{10,266} + p_{10,602} + p_{10,961} + p_{10,773} + 2p_{10,397}\\&+ p_{10,909} + 2p_{10,243} + p_{10,427} + p_{10,59} + p_{10,551})\end{aligned}}$$

$$p_{11,1267} = \frac{1}{2}p_{10,243} + \frac{1}{2}\sqrt{\begin{aligned}&p_{10,243}^2 - 4(p_{10,976} + p_{10,164} + 2p_{10,1020}\\&+ p_{10,266} + p_{10,602} + p_{10,961} + p_{10,773} + 2p_{10,397}\\&+ p_{10,909} + 2p_{10,243} + p_{10,427} + p_{10,59} + p_{10,551})\end{aligned}}$$

16 unreferenced roots were skipped

$$p_{11,651} = \frac{1}{2}p_{10,651} + \frac{1}{2}\sqrt{\begin{aligned}&p_{10,651}^2 - 4(p_{10,360} + 2p_{10,404} + p_{10,572}\\&+ p_{10,674} + p_{10,1010} + p_{10,345} + p_{10,293} + 2p_{10,805}\\&+ p_{10,157} + p_{10,835} + p_{10,467} + 2p_{10,651} + p_{10,959})\end{aligned}}$$

$$p_{11,1675} = \frac{1}{2}p_{10,651} - \frac{1}{2}\sqrt{\begin{aligned}&p_{10,651}^2 - 4(p_{10,360} + 2p_{10,404} + p_{10,572}\\&+ p_{10,674} + p_{10,1010} + p_{10,345} + p_{10,293} + 2p_{10,805}\\&+ p_{10,157} + p_{10,835} + p_{10,467} + 2p_{10,651} + p_{10,959})\end{aligned}}$$

$$p_{11,395} = \frac{1}{2}p_{10,395} + \frac{1}{2}\sqrt{\begin{aligned}&p_{10,395}^2 - 4(p_{10,104} + 2p_{10,148} + p_{10,316}\\&+ p_{10,418} + p_{10,754} + p_{10,89} + p_{10,37} + 2p_{10,549}\\&+ p_{10,925} + p_{10,579} + p_{10,211} + 2p_{10,395} + p_{10,703})\end{aligned}}$$

$$p_{11,1419} = \frac{1}{2}p_{10,395} - \frac{1}{2}\sqrt{\begin{aligned}&p_{10,395}^2 - 4(p_{10,104} + 2p_{10,148} + p_{10,316}\\&+ p_{10,418} + p_{10,754} + p_{10,89} + p_{10,37} + 2p_{10,549}\\&+ p_{10,925} + p_{10,579} + p_{10,211} + 2p_{10,395} + p_{10,703})\end{aligned}}$$

2 unreferenced roots were skipped

$$p_{11,75} = \frac{1}{2}p_{10,75} - \frac{1}{2}\sqrt{\begin{aligned}&p_{10,75}^2 - 4(p_{10,808} + 2p_{10,852} + p_{10,1020}\\&+ p_{10,98} + p_{10,434} + p_{10,793} + 2p_{10,229} + p_{10,741}\\&+ p_{10,605} + p_{10,259} + p_{10,915} + 2p_{10,75} + p_{10,383})\end{aligned}}$$

$$p_{11,1099} = \frac{1}{2}p_{10,75} + \frac{1}{2}\sqrt{\begin{aligned}&p_{10,75}^2 - 4(p_{10,808} + 2p_{10,852} + p_{10,1020}\\&+ p_{10,98} + p_{10,434} + p_{10,793} + 2p_{10,229} + p_{10,741}\\&+ p_{10,605} + p_{10,259} + p_{10,915} + 2p_{10,75} + p_{10,383})\end{aligned}}$$

2 unreferenced roots were skipped

$$p_{11,331} = \frac{1}{2}p_{10,331} + \frac{1}{2}\sqrt{\begin{aligned}&p_{10,331}^2 - 4(p_{10,40} + 2p_{10,84} + p_{10,252}\\&+ p_{10,354} + p_{10,690} + p_{10,25} + 2p_{10,485} + p_{10,997}\\&+ p_{10,861} + p_{10,515} + p_{10,147} + 2p_{10,331} + p_{10,639})\end{aligned}}$$

$$p_{11,1355} = \frac{1}{2}p_{10,331} - \frac{1}{2}\sqrt{\begin{aligned}&p_{10,331}^2 - 4(p_{10,40} + 2p_{10,84} + p_{10,252}\\&+ p_{10,354} + p_{10,690} + p_{10,25} + 2p_{10,485} + p_{10,997}\\&+ p_{10,861} + p_{10,515} + p_{10,147} + 2p_{10,331} + p_{10,639})\end{aligned}}$$

32 unreferenced roots were skipped

$$p_{11,875} = \frac{1}{2}p_{10,875} - \frac{1}{2}\sqrt{\begin{aligned}&p_{10,875}^2 - 4(p_{10,584} + 2p_{10,628} + p_{10,796}\\&+ p_{10,898} + p_{10,210} + p_{10,569} + 2p_{10,5} + p_{10,517}\\&+ p_{10,381} + p_{10,35} + p_{10,691} + 2p_{10,875} + p_{10,159})\end{aligned}}$$

$$p_{11,1899} = \frac{1}{2}p_{10,875} + \frac{1}{2}\sqrt{\begin{aligned}&p_{10,875}^2 - 4(p_{10,584} + 2p_{10,628} + p_{10,796}\\&+ p_{10,898} + p_{10,210} + p_{10,569} + 2p_{10,5} + p_{10,517}\\&+ p_{10,381} + p_{10,35} + p_{10,691} + 2p_{10,875} + p_{10,159})\end{aligned}}$$

16 unreferenced roots were skipped

$$p_{11,155} = \frac{1}{2}p_{10,155} - \frac{1}{2}\sqrt{\begin{aligned}&p_{10,155}^2 - 4(p_{10,888} + 2p_{10,932} + p_{10,76}\\&+ p_{10,514} + p_{10,178} + p_{10,873} + 2p_{10,309} + p_{10,821}\\&+ p_{10,685} + p_{10,995} + p_{10,339} + 2p_{10,155} + p_{10,463})\end{aligned}}$$

$$p_{11,1179} = \frac{1}{2}p_{10,155} + \frac{1}{2}\sqrt{\begin{aligned}&p_{10,155}^2 - 4(p_{10,888} + 2p_{10,932} + p_{10,76}\\&+ p_{10,514} + p_{10,178} + p_{10,873} + 2p_{10,309} + p_{10,821}\\&+ p_{10,685} + p_{10,995} + p_{10,339} + 2p_{10,155} + p_{10,463})\end{aligned}}$$

76 unreferenced roots were skipped

$$p_{11,839} = \frac{1}{2}p_{10,839} - \frac{1}{2}\sqrt{\begin{aligned}&p_{10,839}^2 - 4(2p_{10,592} + p_{10,760} + p_{10,548}\\&+ p_{10,174} + p_{10,862} + p_{10,481} + 2p_{10,993} + p_{10,345}\\&+ p_{10,533} + p_{10,123} + 2p_{10,839} + p_{10,655} + p_{10,1023})\end{aligned}}$$

$$p_{11,1863} = \frac{1}{2}p_{10,839} + \frac{1}{2}\sqrt{\begin{aligned}&p_{10,839}^2 - 4(2p_{10,592} + p_{10,760} + p_{10,548}\\&+ p_{10,174} + p_{10,862} + p_{10,481} + 2p_{10,993} + p_{10,345}\\&+ p_{10,533} + p_{10,123} + 2p_{10,839} + p_{10,655} + p_{10,1023})\end{aligned}}$$

6 unreferenced roots were skipped

$$p_{11,967} = \frac{1}{2}p_{10,967} + \frac{1}{2}\sqrt{\begin{aligned}&p_{10,967}^2 - 4(2p_{10,720} + p_{10,888} + p_{10,676}\\&+ p_{10,302} + p_{10,990} + 2p_{10,97} + p_{10,609} + p_{10,473}\\&+ p_{10,661} + p_{10,251} + 2p_{10,967} + p_{10,783} + p_{10,127})\end{aligned}}$$

$$p_{11,1991} = \frac{1}{2}p_{10,967} - \frac{1}{2}\sqrt{\begin{aligned}&p_{10,967}^2 - 4(2p_{10,720} + p_{10,888} + p_{10,676}\\&+ p_{10,302} + p_{10,990} + 2p_{10,97} + p_{10,609} + p_{10,473}\\&+ p_{10,661} + p_{10,251} + 2p_{10,967} + p_{10,783} + p_{10,127})\end{aligned}}$$

8 unreferenced roots were skipped

$$p_{11,167} = \frac{1}{2}p_{10,167} + \frac{1}{2}\sqrt{\begin{aligned}&p_{10,167}^2 - 4(2p_{10,944} + p_{10,88} + p_{10,900}\\&+ p_{10,526} + p_{10,190} + 2p_{10,321} + p_{10,833} + p_{10,697}\\&+ p_{10,885} + p_{10,475} + 2p_{10,167} + p_{10,1007} + p_{10,351})\end{aligned}}$$

$$p_{11,1191} = \frac{1}{2}p_{10,167} - \frac{1}{2}\sqrt{\begin{aligned}&p_{10,167}^2 - 4(2p_{10,944} + p_{10,88} + p_{10,900}\\&+ p_{10,526} + p_{10,190} + 2p_{10,321} + p_{10,833} + p_{10,697}\\&+ p_{10,885} + p_{10,475} + 2p_{10,167} + p_{10,1007} + p_{10,351})\end{aligned}}$$

4 unreferenced roots were skipped

$$p_{11,935} = \frac{1}{2}p_{10,935} - \frac{1}{2}\sqrt{\begin{aligned}&p_{10,935}^2 - 4(2p_{10,688} + p_{10,856} + p_{10,644}\\&+ p_{10,270} + p_{10,958} + 2p_{10,65} + p_{10,577} + p_{10,441}\\&+ p_{10,629} + p_{10,219} + 2p_{10,935} + p_{10,751} + p_{10,95})\end{aligned}}$$

$$p_{11,1959} = \frac{1}{2}p_{10,935} + \frac{1}{2}\sqrt{\begin{aligned}&p_{10,935}^2 - 4(2p_{10,688} + p_{10,856} + p_{10,644}\\&+ p_{10,270} + p_{10,958} + 2p_{10,65} + p_{10,577} + p_{10,441}\\&+ p_{10,629} + p_{10,219} + 2p_{10,935} + p_{10,751} + p_{10,95})\end{aligned}}$$

2 unreferenced roots were skipped

$$p_{11,615} = \frac{1}{2}p_{10,615} - \frac{1}{2}\sqrt{\begin{aligned}&p_{10,615}^2 - 4(2p_{10,368} + p_{10,536} + p_{10,324}\\&+ p_{10,974} + p_{10,638} + p_{10,257} + 2p_{10,769} + p_{10,121}\\&+ p_{10,309} + p_{10,923} + 2p_{10,615} + p_{10,431} + p_{10,799})\end{aligned}}$$

$$p_{11,1639} = \frac{1}{2}p_{10,615} + \frac{1}{2}\sqrt{\begin{aligned}&p_{10,615}^2 - 4(2p_{10,368} + p_{10,536} + p_{10,324}\\&+ p_{10,974} + p_{10,638} + p_{10,257} + 2p_{10,769} + p_{10,121}\\&+ p_{10,309} + p_{10,923} + 2p_{10,615} + p_{10,431} + p_{10,799})\end{aligned}}$$

6 unreferenced roots were skipped

$$p_{11,743} = \frac{1}{2}p_{10,743} + \frac{1}{2}\sqrt{\begin{aligned}&p_{10,743}^2 - 4(2p_{10,496} + p_{10,664} + p_{10,452}\\&+ p_{10,78} + p_{10,766} + p_{10,385} + 2p_{10,897} + p_{10,249}\\&+ p_{10,437} + p_{10,27} + 2p_{10,743} + p_{10,559} + p_{10,927})\end{aligned}}$$

$$p_{11,1767} = \frac{1}{2}p_{10,743} - \frac{1}{2}\sqrt{\begin{aligned}&p_{10,743}^2 - 4(2p_{10,496} + p_{10,664} + p_{10,452}\\&+ p_{10,78} + p_{10,766} + p_{10,385} + 2p_{10,897} + p_{10,249}\\&+ p_{10,437} + p_{10,27} + 2p_{10,743} + p_{10,559} + p_{10,927})\end{aligned}}$$

$$p_{11,487} = \frac{1}{2}p_{10,487} + \frac{1}{2}\sqrt{\begin{aligned}&p_{10,487}^2 - 4(2p_{10,240} + p_{10,408} + p_{10,196}\\&+ p_{10,846} + p_{10,510} + p_{10,129} + 2p_{10,641} + p_{10,1017}\\&+ p_{10,181} + p_{10,795} + 2p_{10,487} + p_{10,303} + p_{10,671})\end{aligned}}$$

$$p_{11,1511} = \frac{1}{2}p_{10,487} - \frac{1}{2}\sqrt{\begin{aligned}&p_{10,487}^2 - 4(2p_{10,240} + p_{10,408} + p_{10,196}\\&+ p_{10,846} + p_{10,510} + p_{10,129} + 2p_{10,641} + p_{10,1017}\\&+ p_{10,181} + p_{10,795} + 2p_{10,487} + p_{10,303} + p_{10,671})\end{aligned}}$$

10 unreferenced roots were skipped

$$p_{11,151} = \frac{1}{2}p_{10,151} - \frac{1}{2}\sqrt{\begin{aligned}&p_{10,151}^2 - 4(2p_{10,928} + p_{10,72} + p_{10,884}\\&+ p_{10,174} + p_{10,510} + 2p_{10,305} + p_{10,817} + p_{10,681}\\&+ p_{10,869} + p_{10,459} + 2p_{10,151} + p_{10,335} + p_{10,991})\end{aligned}}$$

$$p_{11,1175} = \frac{1}{2}p_{10,151} + \frac{1}{2}\sqrt{\begin{aligned}&p_{10,151}^2 - 4(2p_{10,928} + p_{10,72} + p_{10,884}\\&+ p_{10,174} + p_{10,510} + 2p_{10,305} + p_{10,817} + p_{10,681}\\&+ p_{10,869} + p_{10,459} + 2p_{10,151} + p_{10,335} + p_{10,991})\end{aligned}}$$

46 unreferenced roots were skipped

$$p_{11,247} = \frac{1}{2}p_{10,247} + \frac{1}{2}\sqrt{\begin{aligned}&p_{10,247}^2 - 4(2p_{10,0} + p_{10,168} + p_{10,980}\\&+ p_{10,270} + p_{10,606} + 2p_{10,401} + p_{10,913} + p_{10,777}\\&+ p_{10,965} + p_{10,555} + 2p_{10,247} + p_{10,431} + p_{10,63})\end{aligned}}$$

$$p_{11,1271} = \frac{1}{2}p_{10,247} - \frac{1}{2}\sqrt{\begin{aligned}&p_{10,247}^2 - 4(2p_{10,0} + p_{10,168} + p_{10,980}\\&+ p_{10,270} + p_{10,606} + 2p_{10,401} + p_{10,913} + p_{10,777}\\&+ p_{10,965} + p_{10,555} + 2p_{10,247} + p_{10,431} + p_{10,63})\end{aligned}}$$

12 unreferenced roots were skipped

$$p_{11,783} = \frac{1}{2}p_{10,783} - \frac{1}{2}\sqrt{\begin{aligned}&p_{10,783}^2 - 4(p_{10,704} + 2p_{10,536} + p_{10,492}\\&+ p_{10,806} + p_{10,118} + p_{10,289} + p_{10,425} + 2p_{10,937}\\&+ p_{10,477} + p_{10,67} + p_{10,967} + p_{10,599} + 2p_{10,783})\end{aligned}}$$

$$p_{11,1807} = \frac{1}{2}p_{10,783} + \frac{1}{2}\sqrt{\begin{aligned}&p_{10,783}^2 - 4(p_{10,704} + 2p_{10,536} + p_{10,492}\\&+ p_{10,806} + p_{10,118} + p_{10,289} + p_{10,425} + 2p_{10,937}\\&+ p_{10,477} + p_{10,67} + p_{10,967} + p_{10,599} + 2p_{10,783})\end{aligned}}$$

12 unreferenced roots were skipped

$$p_{11,335} = \frac{1}{2}p_{10,335} - \frac{1}{2}\sqrt{\begin{aligned}&p_{10,335}^2 - 4(p_{10,256} + 2p_{10,88} + p_{10,44}\\&+ p_{10,358} + p_{10,694} + p_{10,865} + 2p_{10,489} + p_{10,1001}\\&+ p_{10,29} + p_{10,643} + p_{10,519} + p_{10,151} + 2p_{10,335})\end{aligned}}$$

$$p_{11,1359} = \frac{1}{2}p_{10,335} + \frac{1}{2}\sqrt{\begin{aligned}&p_{10,335}^2 - 4(p_{10,256} + 2p_{10,88} + p_{10,44}\\&+ p_{10,358} + p_{10,694} + p_{10,865} + 2p_{10,489} + p_{10,1001}\\&+ p_{10,29} + p_{10,643} + p_{10,519} + p_{10,151} + 2p_{10,335})\end{aligned}}$$

12 unreferenced roots were skipped

$$p_{11,559} = \frac{1}{2}p_{10,559} + \frac{1}{2}\sqrt{\begin{aligned}&p_{10,559}^2 - 4(p_{10,480} + 2p_{10,312} + p_{10,268}\\&+ p_{10,582} + p_{10,918} + p_{10,65} + p_{10,201} + 2p_{10,713}\\&+ p_{10,253} + p_{10,867} + p_{10,743} + p_{10,375} + 2p_{10,559})\end{aligned}}$$

$$p_{11,1583} = \frac{1}{2}p_{10,559} - \frac{1}{2}\sqrt{\begin{aligned}&p_{10,559}^2 - 4(p_{10,480} + 2p_{10,312} + p_{10,268}\\&+ p_{10,582} + p_{10,918} + p_{10,65} + p_{10,201} + 2p_{10,713}\\&+ p_{10,253} + p_{10,867} + p_{10,743} + p_{10,375} + 2p_{10,559})\end{aligned}}$$

$$p_{11,303} = \frac{1}{2}p_{10,303} + \frac{1}{2}\sqrt{\begin{aligned}&p_{10,303}^2 - 4(p_{10,224} + 2p_{10,56} + p_{10,12}\\&+ p_{10,326} + p_{10,662} + p_{10,833} + 2p_{10,457} + p_{10,969}\\&+ p_{10,1021} + p_{10,611} + p_{10,487} + p_{10,119} + 2p_{10,303})\end{aligned}}$$

$$p_{11,1327} = \frac{1}{2}p_{10,303} - \frac{1}{2}\sqrt{\begin{aligned}&p_{10,303}^2 - 4(p_{10,224} + 2p_{10,56} + p_{10,12}\\&+ p_{10,326} + p_{10,662} + p_{10,833} + 2p_{10,457} + p_{10,969}\\&+ p_{10,1021} + p_{10,611} + p_{10,487} + p_{10,119} + 2p_{10,303})\end{aligned}}$$

18 unreferenced roots were skipped

$$p_{11,239} = \frac{1}{2}p_{10,239} - \frac{1}{2}\sqrt{\begin{aligned}&p_{10,239}^2 - 4(p_{10,160} + 2p_{10,1016} + p_{10,972}\\&+ p_{10,262} + p_{10,598} + p_{10,769} + 2p_{10,393} + p_{10,905}\\&+ p_{10,957} + p_{10,547} + p_{10,423} + p_{10,55} + 2p_{10,239})\end{aligned}}$$

$$p_{11,1263} = \frac{1}{2}p_{10,239} + \frac{1}{2}\sqrt{\begin{aligned}&p_{10,239}^2 - 4(p_{10,160} + 2p_{10,1016} + p_{10,972}\\&+ p_{10,262} + p_{10,598} + p_{10,769} + 2p_{10,393} + p_{10,905}\\&+ p_{10,957} + p_{10,547} + p_{10,423} + p_{10,55} + 2p_{10,239})\end{aligned}}$$

4 unreferenced roots were skipped

$$p_{11,1007} = \frac{1}{2}p_{10,1007} + \frac{1}{2}\sqrt{\begin{aligned}&p_{10,1007}^2 - 4(p_{10,928} + 2p_{10,760} + p_{10,716}\\ &+ p_{10,6} + p_{10,342} + p_{10,513} + 2p_{10,137} + p_{10,649}\\ &+ p_{10,701} + p_{10,291} + p_{10,167} + p_{10,823} + 2p_{10,1007})\end{aligned}}$$

$$p_{11,2031} = \frac{1}{2}p_{10,1007} - \frac{1}{2}\sqrt{\begin{aligned}&p_{10,1007}^2 - 4(p_{10,928} + 2p_{10,760} + p_{10,716}\\ &+ p_{10,6} + p_{10,342} + p_{10,513} + 2p_{10,137} + p_{10,649}\\ &+ p_{10,701} + p_{10,291} + p_{10,167} + p_{10,823} + 2p_{10,1007})\end{aligned}}$$

6 unreferenced roots were skipped

$$p_{11,799} = \frac{1}{2}p_{10,799} + \frac{1}{2}\sqrt{\begin{aligned}&p_{10,799}^2 - 4(p_{10,720} + 2p_{10,552} + p_{10,508}\\ &+ p_{10,134} + p_{10,822} + p_{10,305} + p_{10,441} + 2p_{10,953}\\ &+ p_{10,493} + p_{10,83} + p_{10,615} + p_{10,983} + 2p_{10,799})\end{aligned}}$$

$$p_{11,1823} = \frac{1}{2}p_{10,799} - \frac{1}{2}\sqrt{\begin{aligned}&p_{10,799}^2 - 4(p_{10,720} + 2p_{10,552} + p_{10,508}\\ &+ p_{10,134} + p_{10,822} + p_{10,305} + p_{10,441} + 2p_{10,953}\\ &+ p_{10,493} + p_{10,83} + p_{10,615} + p_{10,983} + 2p_{10,799})\end{aligned}}$$

8 unreferenced roots were skipped

$$p_{11,95} = \frac{1}{2}p_{10,95} - \frac{1}{2}\sqrt{\begin{aligned}&p_{10,95}^2 - 4(p_{10,16} + 2p_{10,872} + p_{10,828}\\ &+ p_{10,454} + p_{10,118} + p_{10,625} + 2p_{10,249} + p_{10,761}\\ &+ p_{10,813} + p_{10,403} + p_{10,935} + p_{10,279} + 2p_{10,95})\end{aligned}}$$

$$p_{11,1119} = \frac{1}{2}p_{10,95} + \frac{1}{2}\sqrt{\begin{aligned}&p_{10,95}^2 - 4(p_{10,16} + 2p_{10,872} + p_{10,828}\\ &+ p_{10,454} + p_{10,118} + p_{10,625} + 2p_{10,249} + p_{10,761}\\ &+ p_{10,813} + p_{10,403} + p_{10,935} + p_{10,279} + 2p_{10,95})\end{aligned}}$$

14 unreferenced roots were skipped

$$p_{11,63} = \frac{1}{2}p_{10,63} + \frac{1}{2}\sqrt{\begin{aligned}&p_{10,63}^2 - 4(p_{10,1008} + 2p_{10,840} + p_{10,796}\\ &+ p_{10,422} + p_{10,86} + p_{10,593} + 2p_{10,217} + p_{10,729}\\ &+ p_{10,781} + p_{10,371} + p_{10,903} + p_{10,247} + 2p_{10,63})\end{aligned}}$$

$$p_{11,1087} = \frac{1}{2}p_{10,63} - \frac{1}{2}\sqrt{\begin{aligned}&p_{10,63}^2 - 4(p_{10,1008} + 2p_{10,840} + p_{10,796}\\ &+ p_{10,422} + p_{10,86} + p_{10,593} + 2p_{10,217} + p_{10,729}\\ &+ p_{10,781} + p_{10,371} + p_{10,903} + p_{10,247} + 2p_{10,63})\end{aligned}}$$

28 unreferenced roots were skipped

$$p_{11,1023} = \frac{1}{2}p_{10,1023} + \frac{1}{2}\sqrt{\begin{aligned}&p_{10,1023}^2 - 4(p_{10,944} + 2p_{10,776} + p_{10,732}\\ &+ p_{10,358} + p_{10,22} + p_{10,529} + 2p_{10,153} + p_{10,665}\\ &+ p_{10,717} + p_{10,307} + p_{10,839} + p_{10,183} + 2p_{10,1023})\end{aligned}}$$

$$p_{11,2047} = \frac{1}{2}p_{10,1023} - \frac{1}{2}\sqrt{\begin{aligned}&p_{10,1023}^2 - 4(p_{10,944} + 2p_{10,776} + p_{10,732}\\ &+ p_{10,358} + p_{10,22} + p_{10,529} + 2p_{10,153} + p_{10,665}\\ &+ p_{10,717} + p_{10,307} + p_{10,839} + p_{10,183} + 2p_{10,1023})\end{aligned}}$$

$$p_{12,0} = \frac{1}{2}p_{11,0} + \frac{1}{2}\sqrt{\begin{aligned}&p_{11,0}^2 - 4(p_{11,0} + p_{11,800} + p_{11,2}\\ &+ p_{11,1178} + p_{11,1} + p_{11,777} + p_{11,1099}\\ &+ p_{11,1263})\end{aligned}}$$

2 unreferenced roots were skipped

$$p_{12,3072} = \frac{1}{2}p_{11,1024} + \frac{1}{2}\sqrt{\begin{aligned}&p_{11,1024}^2 - 4(p_{11,1024} + p_{11,1824} + p_{11,1026}\\ &+ p_{11,154} + p_{11,1025} + p_{11,1801} + p_{11,75} + p_{11,239})\end{aligned}}$$

601 unreferenced roots were skipped

$$p_{12,2980} = \frac{1}{2}p_{11,932} + \frac{1}{2}\sqrt{\begin{aligned}&p_{11,932}^2 - 4(p_{11,1732} + p_{11,932} + p_{11,934}\\ &+ p_{11,62} + p_{11,933} + p_{11,1709} + p_{11,147} + p_{11,2031})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{12,4004} = \frac{1}{2}p_{11,1956} + \frac{1}{2}\sqrt{\begin{aligned}&p_{11,1956}^2 - 4(p_{11,708} + p_{11,1956} + p_{11,1958}\\ &+ p_{11,1086} + p_{11,1957} + p_{11,685} + p_{11,1171} + p_{11,1007})\end{aligned}}$$

321 unreferenced roots were skipped

$$p_{12,2140} = \frac{1}{2}p_{11,92} + \frac{1}{2}\sqrt{\begin{aligned}&p_{11,92}^2 - 4(p_{11,92} + p_{11,892} + p_{11,1270}\\ &+ p_{11,94} + p_{11,869} + p_{11,93} + p_{11,1355} + p_{11,1191})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{12,3164} = \frac{1}{2}p_{11,1116} + \frac{1}{2}\sqrt{\begin{aligned}&p_{11,1116}^2 - 4(p_{11,1116} + p_{11,1916} + p_{11,246}\\ &+ p_{11,1118} + p_{11,1893} + p_{11,1117} + p_{11,331} + p_{11,167})\end{aligned}}$$

1116 unreferenced roots were skipped

$$p_{12,1} = \frac{1}{2}p_{11,1} + \frac{1}{2}\sqrt{\begin{aligned}&p_{11,1}^2 - 4(p_{11,1264} + p_{11,1100} + p_{11,2}\\ &+ p_{11,778} + p_{11,1} + p_{11,801} + p_{11,3} + p_{11,1179})\end{aligned}}$$

2 unreferenced roots were skipped

$$p_{12,3073} = \frac{1}{2}p_{11,1025} + \frac{1}{2}\sqrt{\begin{aligned}&p_{11,1025}^2 - 4(p_{11,240} + p_{11,76} + p_{11,1026}\\ &+ p_{11,1802} + p_{11,1025} + p_{11,1825} + p_{11,1027}\\ &+ p_{11,155})\end{aligned}}$$

236 unreferenced roots were skipped

$$p_{12,241} = \frac{1}{2}p_{11,241} + \frac{1}{2}\sqrt{\begin{aligned}&p_{11,241}^2 - 4(p_{11,1504} + p_{11,1340} + p_{11,242}\\ &+ p_{11,1018} + p_{11,1041} + p_{11,241} + p_{11,243} + p_{11,1419})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{12,1265} = \frac{1}{2}p_{11,1265} + \frac{1}{2}\sqrt{\begin{aligned}&p_{11,1265}^2 - 4(p_{11,480} + p_{11,316} + p_{11,1266}\\ &+ p_{11,2042} + p_{11,17} + p_{11,1265} + p_{11,1267} + p_{11,395})\end{aligned}}$$

362 unreferenced roots were skipped

$$p_{12,2981} = \frac{1}{2}p_{11,933} + \frac{1}{2}\sqrt{\begin{aligned}&p_{11,933}^2 - 4(p_{11,2032} + p_{11,148} + p_{11,934}\\&+ p_{11,1710} + p_{11,1733} + p_{11,933} + p_{11,935} + p_{11,63})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{12,4005} = \frac{1}{2}p_{11,1957} + \frac{1}{2}\sqrt{\begin{aligned}&p_{11,1957}^2 - 4(p_{11,1008} + p_{11,1172} + p_{11,1958}\\&+ p_{11,686} + p_{11,709} + p_{11,1957} + p_{11,1959} + p_{11,1087})\end{aligned}}$$

48 unreferenced roots were skipped

$$p_{12,149} = \frac{1}{2}p_{11,149} + \frac{1}{2}\sqrt{\begin{aligned}&p_{11,149}^2 - 4(p_{11,1248} + p_{11,1412} + p_{11,150}\\&+ p_{11,926} + p_{11,149} + p_{11,949} + p_{11,151} + p_{11,1327})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{12,1173} = \frac{1}{2}p_{11,1173} + \frac{1}{2}\sqrt{\begin{aligned}&p_{11,1173}^2 - 4(p_{11,224} + p_{11,388} + p_{11,1174}\\&+ p_{11,1950} + p_{11,1173} + p_{11,1973} + p_{11,1175}\\&+ p_{11,303})\end{aligned}}$$

149 unreferenced roots were skipped

$$p_{12,333} = \frac{1}{2}p_{11,333} + \frac{1}{2}\sqrt{\begin{aligned}&p_{11,333}^2 - 4(p_{11,1432} + p_{11,1596} + p_{11,1110}\\&+ p_{11,334} + p_{11,333} + p_{11,1133} + p_{11,1511} + p_{11,335})\end{aligned}}$$

2 unreferenced roots were skipped

$$p_{12,3405} = \frac{1}{2}p_{11,1357} + \frac{1}{2}\sqrt{\begin{aligned}&p_{11,1357}^2 - 4(p_{11,408} + p_{11,572} + p_{11,86}\\&+ p_{11,1358} + p_{11,1357} + p_{11,109} + p_{11,487}\\&+ p_{11,1359})\end{aligned}}$$

117 unreferenced roots were skipped

$$p_{12,2141} = \frac{1}{2}p_{11,93} + \frac{1}{2}\sqrt{\begin{aligned}&p_{11,93}^2 - 4(p_{11,1192} + p_{11,1356} + p_{11,870}\\&+ p_{11,94} + p_{11,93} + p_{11,893} + p_{11,1271} + p_{11,95})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{12,3165} = \frac{1}{2}p_{11,1117} + \frac{1}{2}\sqrt{\begin{aligned}&p_{11,1117}^2 - 4(p_{11,168} + p_{11,332} + p_{11,1894}\\&+ p_{11,1118} + p_{11,1117} + p_{11,1917} + p_{11,247}\\&+ p_{11,1119})\end{aligned}}$$

185 unreferenced roots were skipped

$$p_{12,2979} = \frac{1}{2}p_{11,931} + \frac{1}{2}\sqrt{\begin{aligned}&p_{11,931}^2 - 4(p_{11,932} + p_{11,1708} + p_{11,146}\\&+ p_{11,2030} + p_{11,933} + p_{11,61} + p_{11,1731} + p_{11,931})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{12,4003} = \frac{1}{2}p_{11,1955} + \frac{1}{2}\sqrt{\begin{aligned}&p_{11,1955}^2 - 4(p_{11,1956} + p_{11,684} + p_{11,1170}\\&+ p_{11,1006} + p_{11,1957} + p_{11,1085} + p_{11,707} + p_{11,1955})\end{aligned}}$$

268 unreferenced roots were skipped

$$p_{12,875} = \frac{1}{2}p_{11,875} + \frac{1}{2}\sqrt{\begin{aligned}&p_{11,875}^2 - 4(p_{11,1652} + p_{11,876} + p_{11,90}\\&+ p_{11,1974} + p_{11,5} + p_{11,877} + p_{11,1675} + p_{11,875})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{12,1899} = \frac{1}{2}p_{11,1899} + \frac{1}{2}\sqrt{\begin{aligned}&p_{11,1899}^2 - 4(p_{11,628} + p_{11,1900} + p_{11,1114}\\&+ p_{11,950} + p_{11,1029} + p_{11,1901} + p_{11,651} + p_{11,1899})\end{aligned}}$$

190 unreferenced roots were skipped

$$p_{12,2887} = \frac{1}{2}p_{11,839} + \frac{1}{2}\sqrt{\begin{aligned}&p_{11,839}^2 - 4(p_{11,1616} + p_{11,840} + p_{11,1938}\\&+ p_{11,54} + p_{11,2017} + p_{11,841} + p_{11,839} + p_{11,1639})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{12,3911} = \frac{1}{2}p_{11,1863} + \frac{1}{2}\sqrt{\begin{aligned}&p_{11,1863}^2 - 4(p_{11,592} + p_{11,1864} + p_{11,914}\\&+ p_{11,1078} + p_{11,993} + p_{11,1865} + p_{11,1863} + p_{11,615})\end{aligned}}$$

12 unreferenced roots were skipped

$$p_{12,967} = \frac{1}{2}p_{11,967} + \frac{1}{2}\sqrt{\begin{aligned}&p_{11,967}^2 - 4(p_{11,1744} + p_{11,968} + p_{11,18}\\&+ p_{11,182} + p_{11,97} + p_{11,969} + p_{11,967} + p_{11,1767})\end{aligned}}$$

2 unreferenced roots were skipped

$$p_{12,4039} = \frac{1}{2}p_{11,1991} + \frac{1}{2}\sqrt{\begin{aligned}&p_{11,1991}^2 - 4(p_{11,720} + p_{11,1992} + p_{11,1042}\\&+ p_{11,1206} + p_{11,1121} + p_{11,1993} + p_{11,1991} + p_{11,743})\end{aligned}}$$

204 unreferenced roots were skipped

$$p_{12,783} = \frac{1}{2}p_{11,783} + \frac{1}{2}\sqrt{\begin{aligned}&p_{11,783}^2 - 4(p_{11,784} + p_{11,1560} + p_{11,1882}\\&+ p_{11,2046} + p_{11,785} + p_{11,1961} + p_{11,783} + p_{11,1583})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{12,1807} = \frac{1}{2}p_{11,1807} + \frac{1}{2}\sqrt{\begin{aligned}&p_{11,1807}^2 - 4(p_{11,1808} + p_{11,536} + p_{11,858}\\&+ p_{11,1022} + p_{11,1809} + p_{11,937} + p_{11,1807} + p_{11,559})\end{aligned}}$$

238 unreferenced roots were skipped

$$p_{12,3071} = \frac{1}{2}p_{11,1023} + \frac{1}{2}\sqrt{\begin{aligned}&p_{11,1023}^2 - 4(p_{11,1024} + p_{11,1800} + p_{11,74}\\&+ p_{11,238} + p_{11,1025} + p_{11,153} + p_{11,1823} + p_{11,1023})\end{aligned}}$$

$$p_{12,2047} = \frac{1}{2}p_{11,2047} + \frac{1}{2}\sqrt{\begin{aligned}&p_{11,2047}^2 - 4(p_{11,0} + p_{11,776} + p_{11,1098}\\&+ p_{11,1262} + p_{11,1} + p_{11,1177} + p_{11,799} + p_{11,2047})\end{aligned}}$$

1 unreferenced roots were skipped

$$p_{13,0} = \frac{p_{12,0}+\sqrt{p_{12,0}^2-4(p_{12,1}+p_{12,1265}+p_{12,4003}+p_{12,1899})}}{2}$$

5 unreferenced roots were skipped

$$p_{13,3072} = \frac{1}{2}p_{12,3072} + \frac{1}{2}\sqrt{p_{12,3072}^2 - 4(p_{12,3073} + p_{12,241} + p_{12,2979} + p_{12,875})}$$

1203 unreferenced roots were skipped

$$p_{13,2980} = \frac{1}{2}p_{12,2980} + \frac{1}{2}\sqrt{p_{12,2980}^2 - 4(p_{12,2981} + p_{12,149} + p_{12,2887} + p_{12,783})}$$

4 unreferenced roots were skipped

$$p_{13,8100} = \frac{1}{2}p_{12,4004} + \frac{1}{2}\sqrt{p_{12,4004}^2 - 4(p_{12,4005} + p_{12,1173} + p_{12,3911} + p_{12,1807})}$$

643 unreferenced roots were skipped

$$p_{13,6236} = \frac{1}{2}p_{12,2140} + \frac{1}{2}\sqrt{p_{12,2140}^2 - 4(p_{12,3405} + p_{12,2141} + p_{12,4039} + p_{12,2047})}$$

2 unreferenced roots were skipped

$$p_{13,3164} = \frac{1}{2}p_{12,3164} + \frac{1}{2}\sqrt{p_{12,3164}^2 - 4(p_{12,333} + p_{12,3165} + p_{12,967} + p_{12,3071})}$$

39 unreferenced roots were skipped

$$p_{14,0} = \frac{p_{13,0}+\sqrt{p_{13,0}^2-4(p_{13,8100}+p_{13,3164})}}{2}$$

11 unreferenced roots were skipped

$$p_{14,3072} = \frac{p_{13,3072}+\sqrt{p_{13,3072}^2-4(p_{13,2980}+p_{13,6236})}}{2}$$

5 unreferenced roots were skipped

$$p_{15,0} = \frac{p_{14,0}-\sqrt{p_{14,0}^2-4(p_{14,3072})}}{2}$$

```
% 1/2 * p_{15,0} = NaN
% cos(2*pi/65537): 0.9999999954042476
% Taking reference values!
```

1 unreferenced roots were skipped

$$p_{15,0} = \frac{p_{14,0}+\sqrt{p_{14,0}^2-4(p_{14,3072})}}{2}$$

```
% 1/2 * p_{15,0} = 0.9999999954039087
% Time used: 33.214807469sec
Used: 2105; Skipped: 8009; Roots: 1365686447
```

Die vorangehenden 342 Seiten enthalten die Wurzelausdrücke zur Konstruktion des 65537-Ecks. Die zugrunde liegende Mathematik und Details zur Berechnung sind ausführlich auf der im Titel genannten Webseite dargestellt.

The above 342 pages contain the root expressions needed for the construction of the 65537-gon. The underlying mathematics and details of the computation are presented at length on the website given in the title.