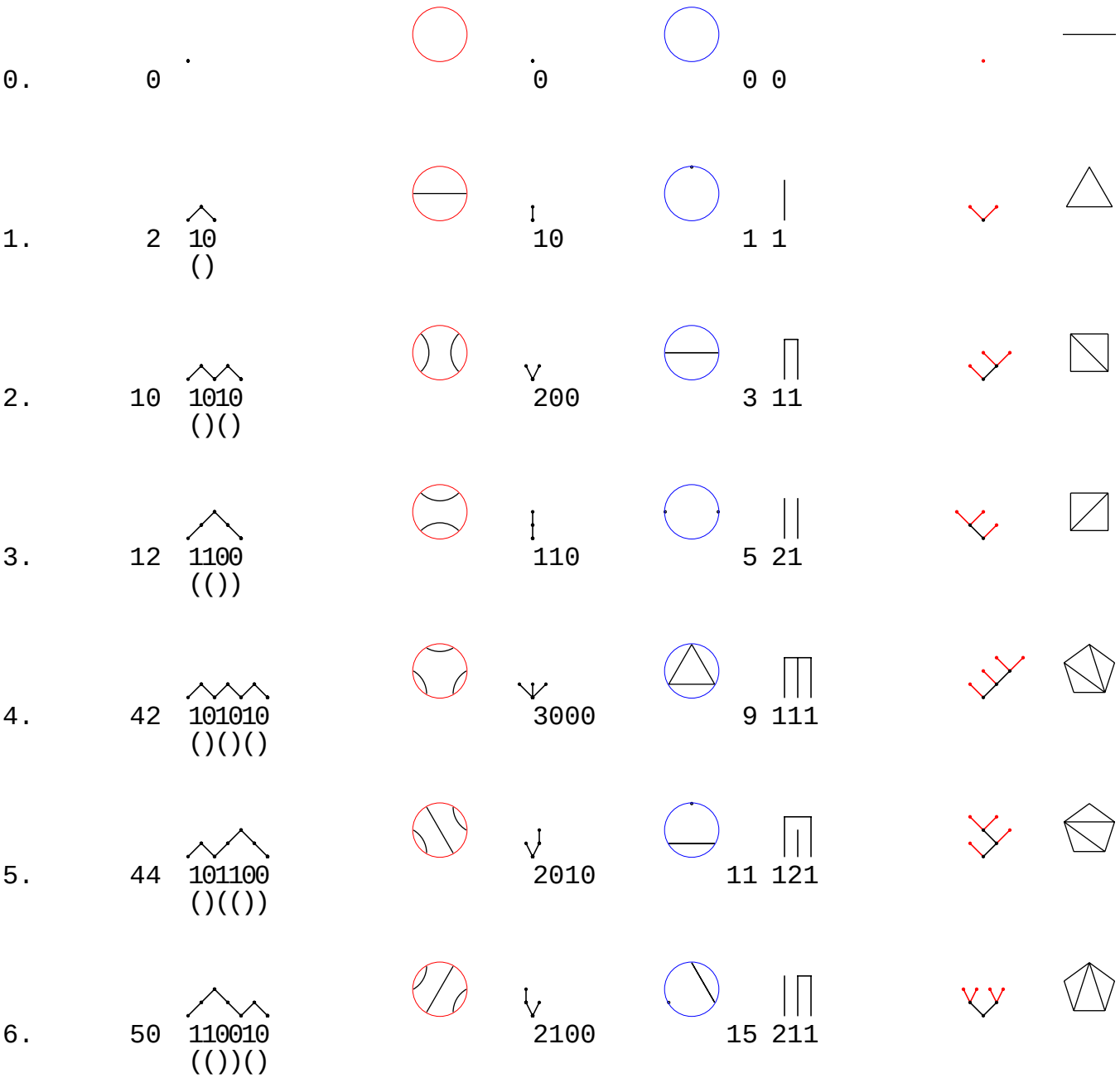
From the left to right, after the ordinal number we show:
- the terms of A014486 and the terms of A063171, with the corresponding Catalan mountain range
  (i.e. Dyck path, Stanley's interpretation (i)) on their top, and the parenthesization below.
- noncrossing chord arrangements (red circle, Stanley's (n), noncrossing handshakes over a circular table).
- the plane general trees with n edges (Stanley's (e)), with the corresponding Lukasiewicz-word underneath (A079436).
- noncrossing partitions (blue circle, Stanley's (qq)), with the terms of A071156 underneath.
- noncrossing Murasaki diagrams ('genji-mon', Stanley's (rr)), with the terms of A071158 underneath.
- the plane binary trees with 2n edges (Stanley's (d)), with the corresponding zigzag tree (Stanley's (c),
  i.e. binary trees with n vertices) contained in their interior colored black.
- triangulations of a polygon with n+2 edges (Stanley's (a)).

If one counts how many structures there are of each size n, one obtains Catalan numbers, A000108.

For further information, see entry A014486 in Neil J. A. Sloane's
On-Line Encyclopedia of Integer Sequences at http://www.research.att.com/~njas/sequences/
This file prepared 2003 by Antti Karttunen, http://www.iki.fi/~kartturi/



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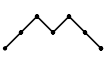

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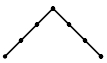

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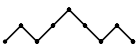

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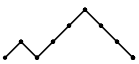

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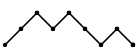

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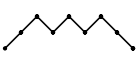
17. 212 11010100 (()()())  13000 65 2221

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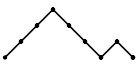
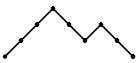
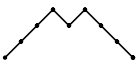
19. 226 11100010 ((()))()  21100 87 3211

20. 228 11100100 ((())())  12100 89 3221

21. 232 11101000 (()()())  11200 95 3321

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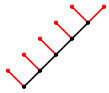
23. 682 1010101010 ()()()()() 500000 153 11111 

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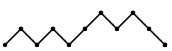
26. 692 1010110100 ()()(()())  300200 161 11221

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30. 722 1011010010 ()(()())() 302000 183 12211

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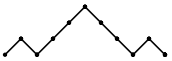
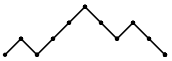
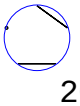
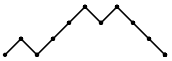
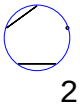
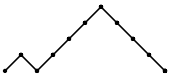
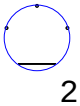
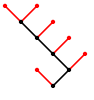
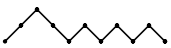
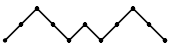
33. 738 1011100010 ()((()))()  301100 207 13211

34. 740 1011100100 ()((()()))  202100  209 13221

35. 744 1011101000 ()((()()))  201200  215 13321

36. 752 1011110000 ()(((())))  201110  239 14321 

37. 810 1100101010 (())()()()  410000 273 21111

38. 812 1100101100 (())()(())  310010 275 21121

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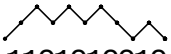
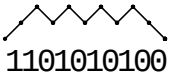
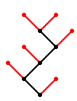
44. 850 1101010010 (()()())()  230000 303 22211

45. 852 1101010100 (()()()())  140000 305 22221

46. 856 1101011000 (()())(()) 130010 311 22321 

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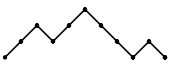

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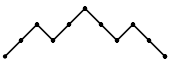

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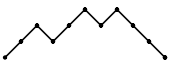

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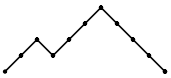

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52. 908 1110001100 (((()))(())) 211010 419 32121

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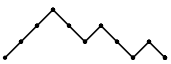

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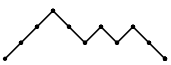

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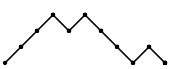

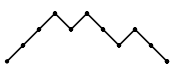

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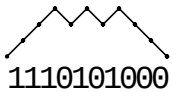

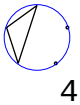

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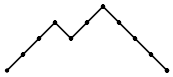

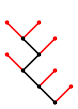

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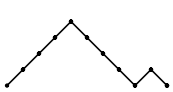
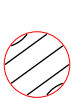

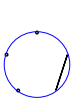

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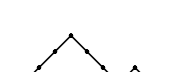

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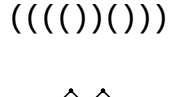

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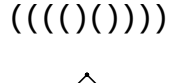

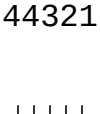

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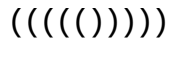

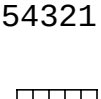

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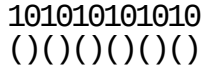

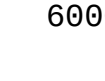

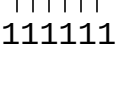
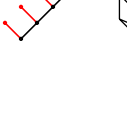

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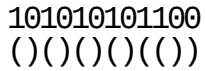
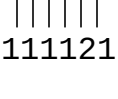
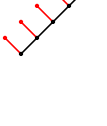
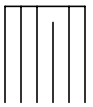
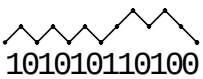
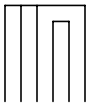
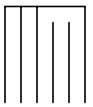
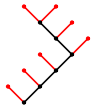
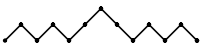
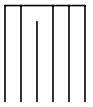


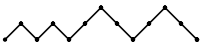
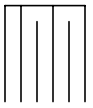
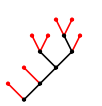



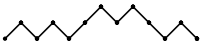
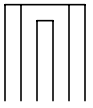
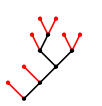
67. 2738 101010110010 ()()()(())()  5000100 879 111211

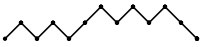
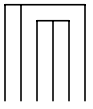
68. 2740 101010110100 ()()()(()())   4000200 881 111221

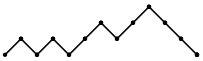
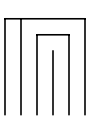
69. 2744 101010111000 ()()()((()))  4000110 887 111321 

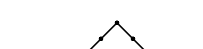
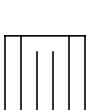
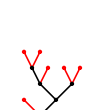
70. 2762 101011001010 ()()(())()()   5001000 897 112111

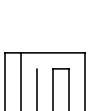
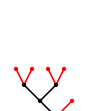
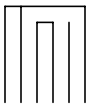
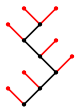
71. 2764 101011001100 ()()(())(())   4001010 899 112121 

72. 2770 101011010010 ()()(()())()   4002000 903 112211 

73. 2772 101011010100 ()()(()()())   3003000 905 112221

74. 2776 101011011000 ()()(())(())   3002010 911 112321

75. 2786 101011100010 ()()((()))()   4001100 927 113211 

76. 2788 101011100100 ()()((()))()  3002100 929 113221 



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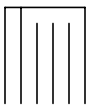
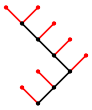

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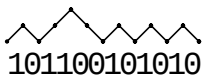

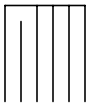

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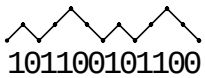

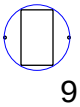
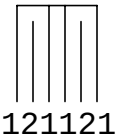
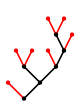

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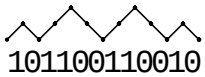

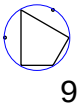
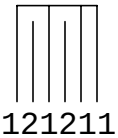
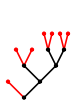

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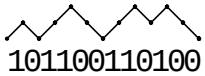

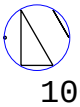
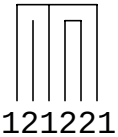
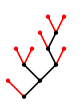

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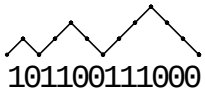
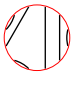

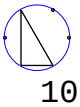

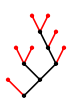

83. 2872 101100111000
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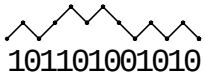
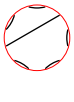

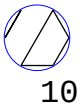
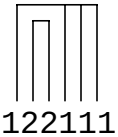
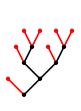

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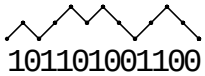

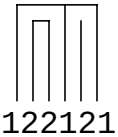
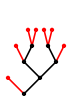

85. 2892 101101001100
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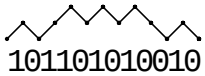

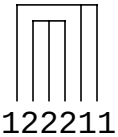
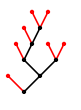

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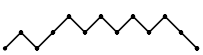

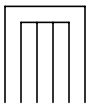
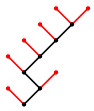

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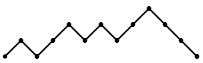

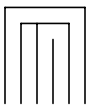

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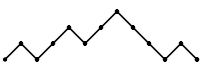

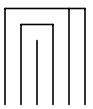

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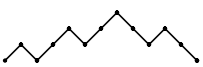

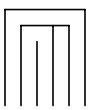

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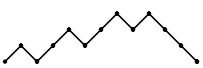

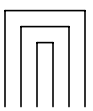

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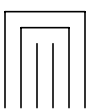
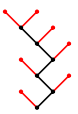

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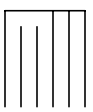

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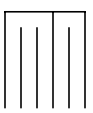

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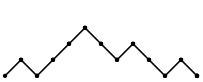

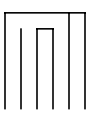

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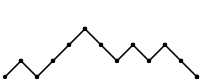
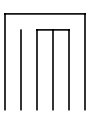
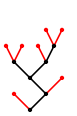
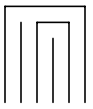
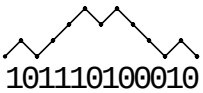
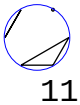
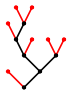
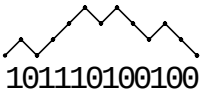
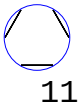
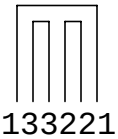
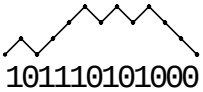
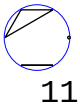
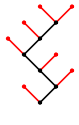


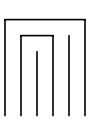
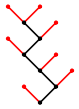



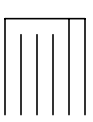
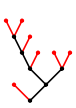
97. 2968 101110011000 ()((()))(())  2021010 1151 132321

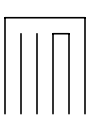
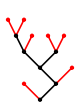
98. 2978 101110100010 ()(((()))()    3012000 1167 133211

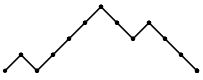
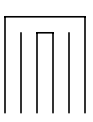
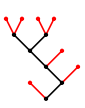
99. 2980 101110100100 ()(((()))())    2022000 1169 133221

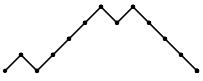
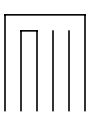
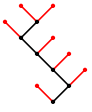
100. 2984 101110101000 ()((()()()))    2013000 1175 133321

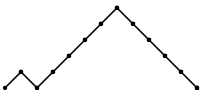
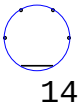
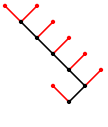
101. 2992 101110110000 ()((()(())))   2012010 1199 134321

102. 3010 101111000010 ()((((()))())   3011100 1287 143211

103. 3012 101111000100 ()((((()))())   2021100 1289 143221

104. 3016 101111001000 ()(((()))())    2012100 1295 143321

105. 3024 101111010000 ()((((())))    2011200 1319 144321

106. 3040 101111100000 ()((((()))))    2011110 1439 154321

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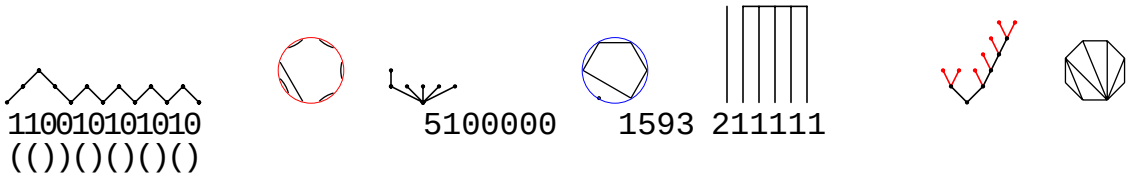

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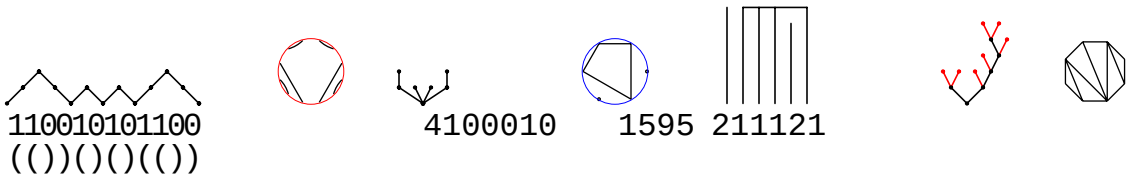

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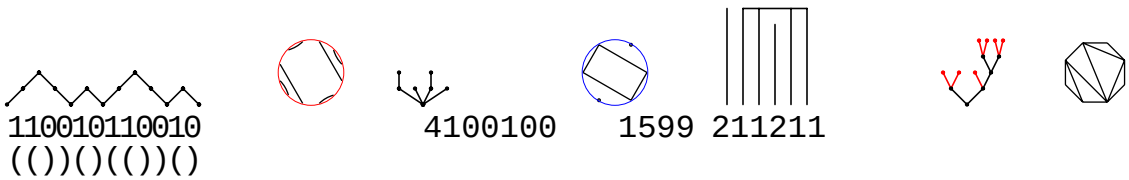

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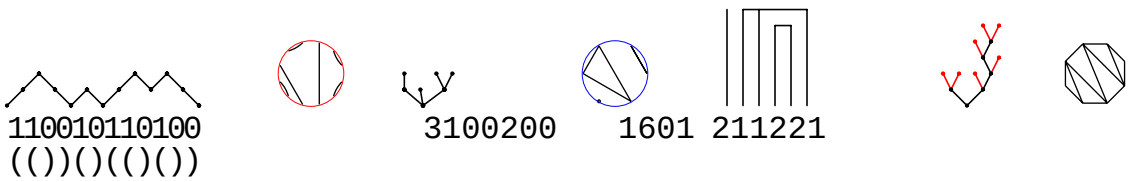

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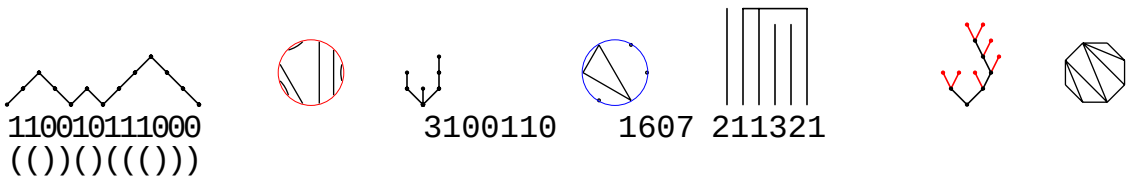

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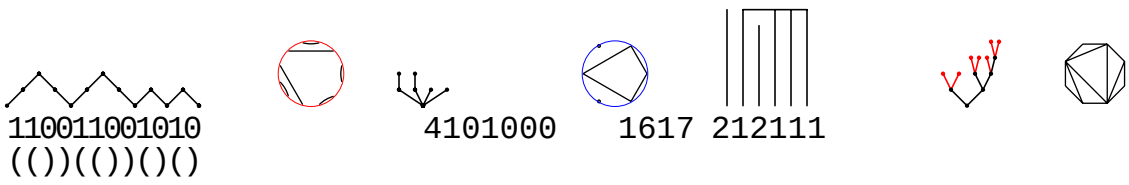

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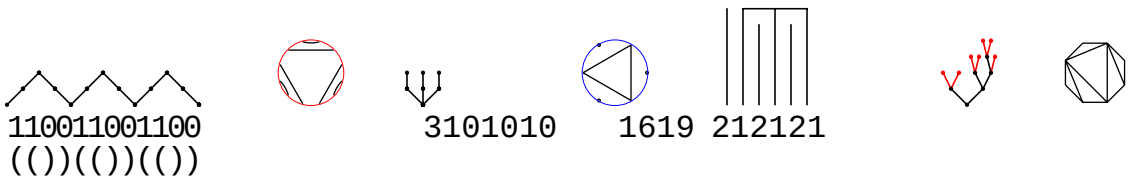

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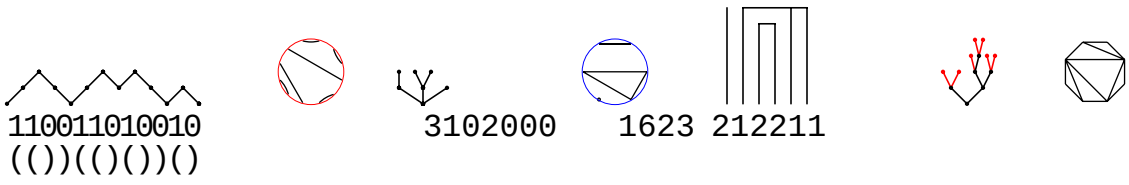

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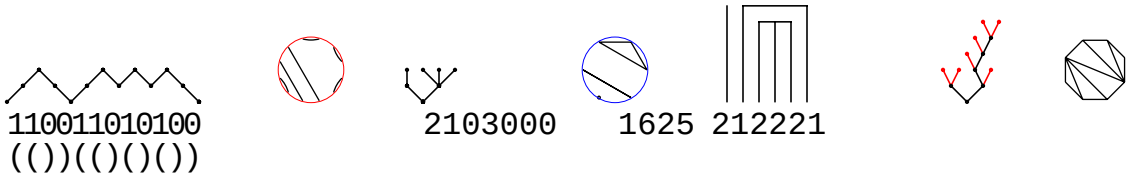

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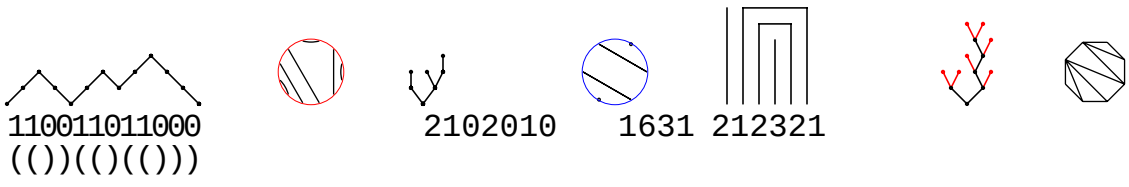

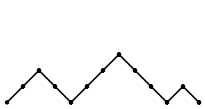

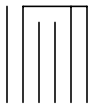

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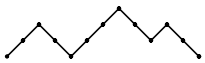

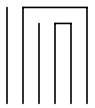

118. 3300 110011100100 2102100 1649 213221
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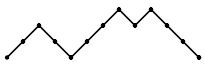

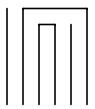

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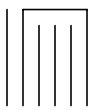

120. 3312 110011110000 2101110 1679 214321
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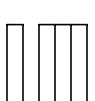

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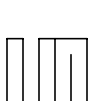

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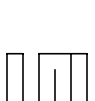

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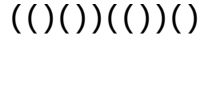

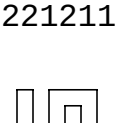

124. 3380 110100110100 2200200 1721 221221
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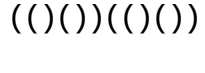

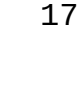
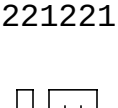

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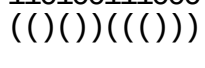

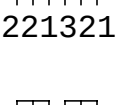

126. 3402 110101001010 3300000 1737 222111
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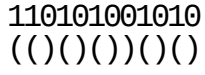

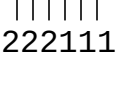

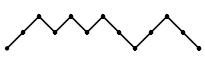

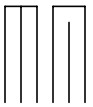

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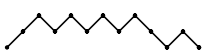

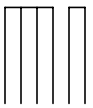

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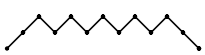

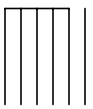
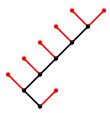

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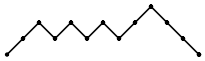

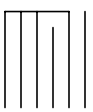
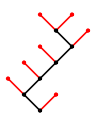

130. 3416 110101011000 1400010 1751 222321
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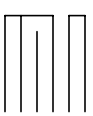
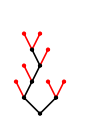

131. 3426 110101100010 2300100 1767 223211
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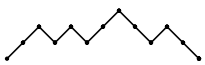

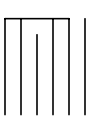
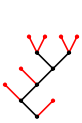

132. 3428 110101100100 1400100 1769 223221
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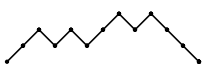

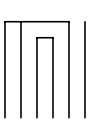
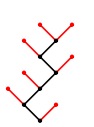

133. 3432 110101101000 1300200 1775 223321
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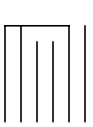
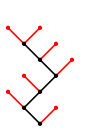

134. 3440 110101110000 1300110 1799 224321
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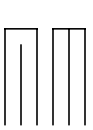
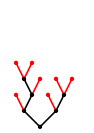

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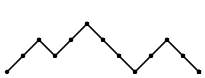

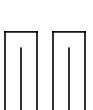

136. 3468 110110001100 2201010 1859 232121
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137. 3474 110110010010 2301000 1863 232211
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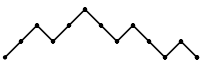

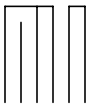

138. 3476 110110010100 1401000 1865 232221
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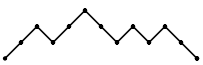

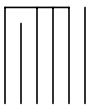

139. 3480 110110011000 1301010 1871 232321
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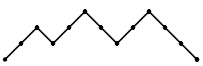

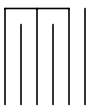

140. 3490 110110100010 2202000 1887 233211
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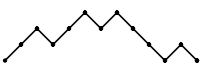

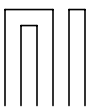

141. 3492 110110100100 1302000 1889 233221
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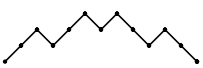

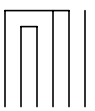

142. 3496 110110101000 1203000 1895 233321
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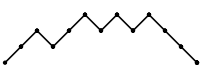

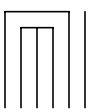

143. 3504 110110110000 1202010 1919 234321
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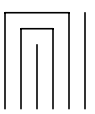

144. 3522 110111000010 2201100 2007 243211
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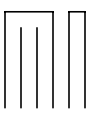

145. 3524 110111000100 1301100 2009 243221
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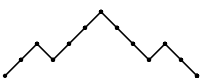

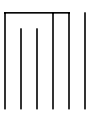
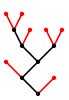

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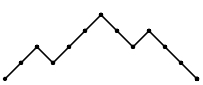

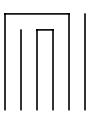
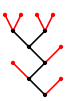

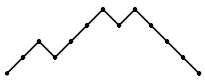

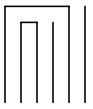

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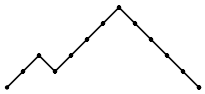

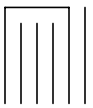
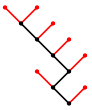

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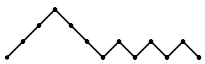

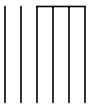

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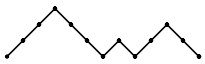

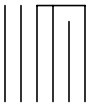

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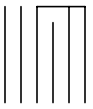

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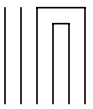

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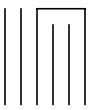

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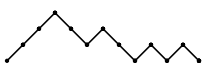

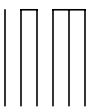

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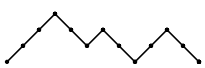

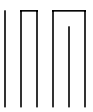

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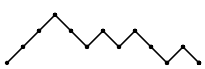

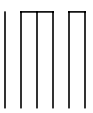

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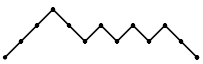

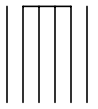

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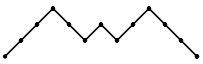

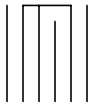

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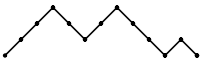

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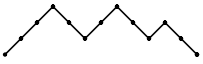

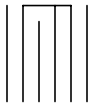

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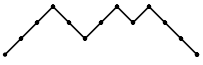

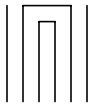

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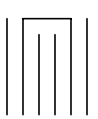

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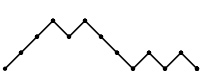

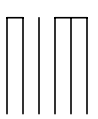

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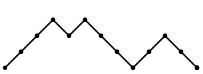

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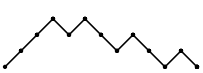

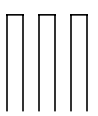

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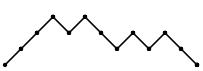

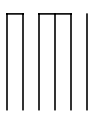

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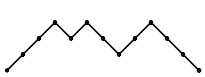

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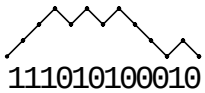

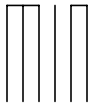

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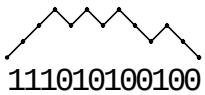

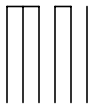

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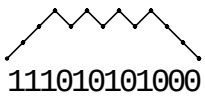

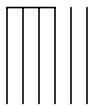
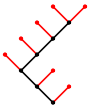

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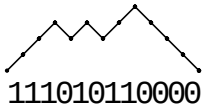

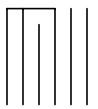
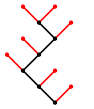

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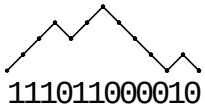

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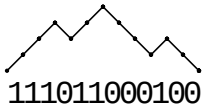

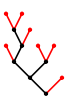

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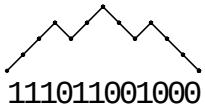

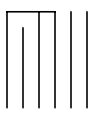
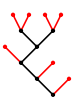

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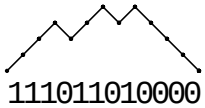

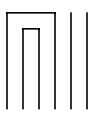
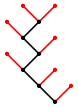

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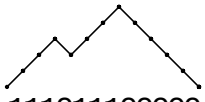

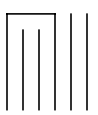
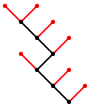

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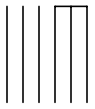
177. 3850 111100001010 (((())))()() 3111000 3297  432111

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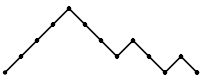
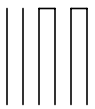
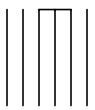
179. 3858 111100010010 ((((()))()()  2211000 3303  432211

180. 3860 111100010100 ((((()))()()) 1311000 3305  432221

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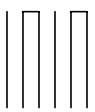
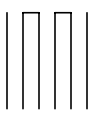
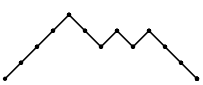
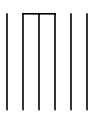
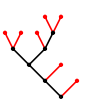
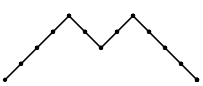
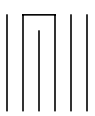
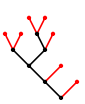
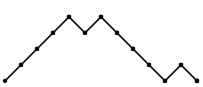
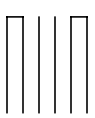
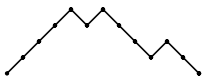
182. 3874 111100100010 ((((())))()() 2121000 3327  433211

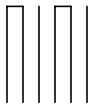
183. 3876 111100100100 ((((())))()) 1221000 3329  433221

184. 3880 111100101000 ((((())())))  1131000 3335  433321 

185. 3888 111100110000 ((((())(()))  1121010 3359  434321 

186. 3906 111101000010 ((((()))))()  2112000 3447  443211





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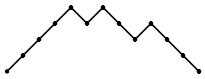

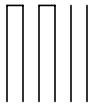

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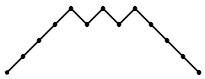

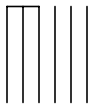
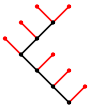

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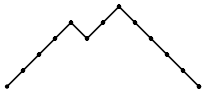

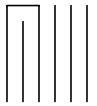
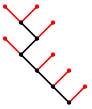

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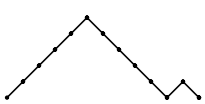
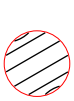

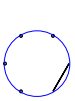
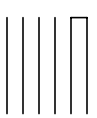

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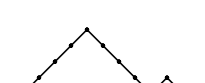

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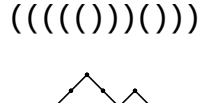

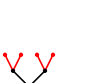

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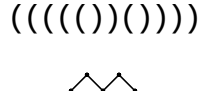

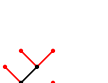

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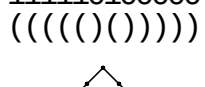

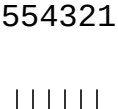
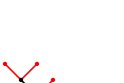

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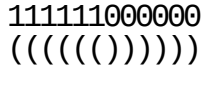

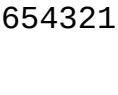

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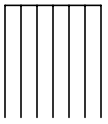
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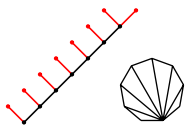
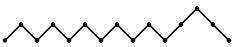


198. 10924  10101010101100
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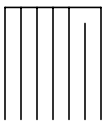
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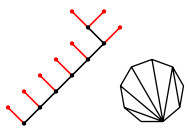
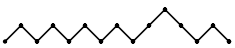


199. 10930  10101010110010
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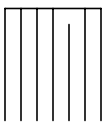
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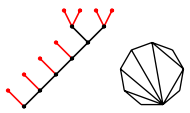
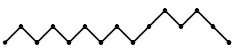


200. 10932  10101010110100
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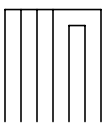
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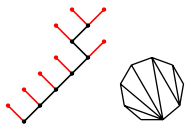
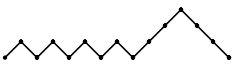


201. 10936  10101010111000
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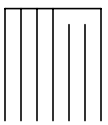
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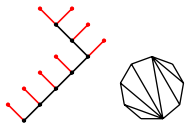

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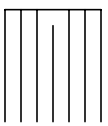
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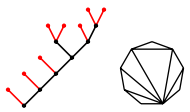

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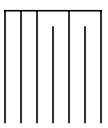
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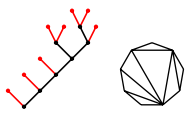

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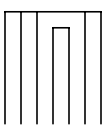
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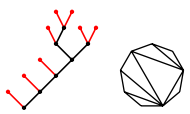
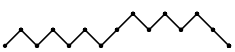


205. 10964  10101011010100
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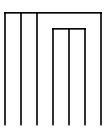
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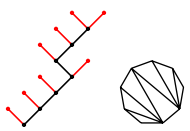

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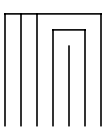
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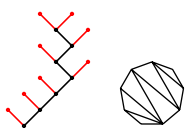

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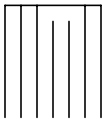

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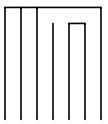

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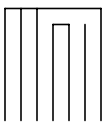
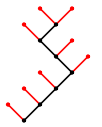

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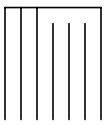
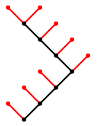

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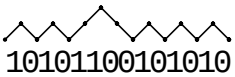

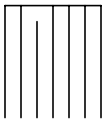

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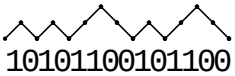

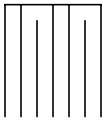

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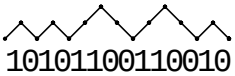

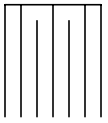
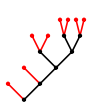

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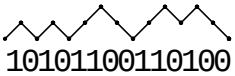

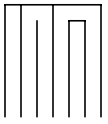
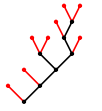

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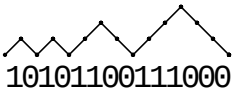

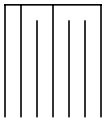
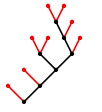

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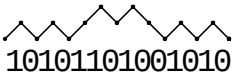

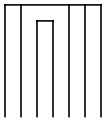
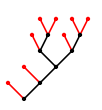

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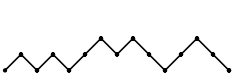
217. 11084  10101101001100
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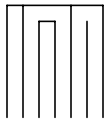
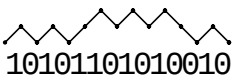
 40020010 6059 1122121

218. 11090  10101101010010
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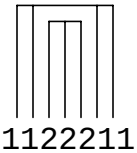
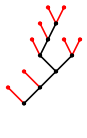
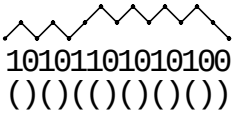
  40030000 6063 1122211

219. 11092  10101101010100
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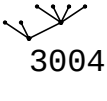
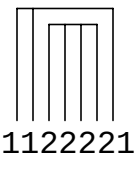
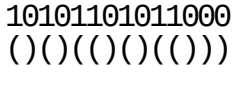
  30040000 6065 1122221

220. 11096  10101101011000
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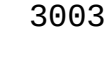
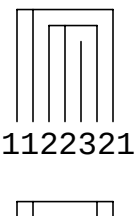
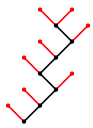
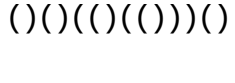
    30030010 6071 1122321

221. 11106  10101101100010
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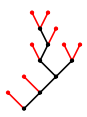
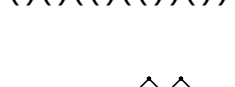
    40020100 6087 1123211

222. 11108  10101101100100
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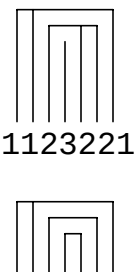 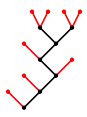 30030100 6089 1123221

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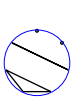
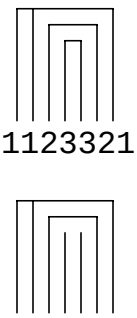
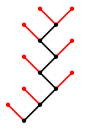
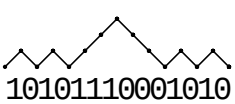
   30020200 6095 1123321

224. 11120  10101101110000
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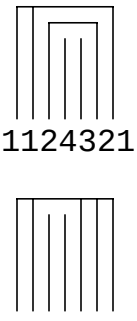
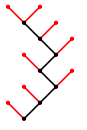
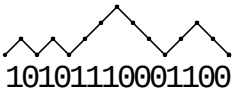
  30020110 6119 1124321

225. 11146  10101110001010
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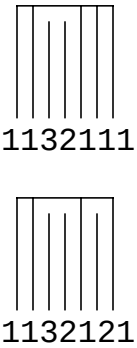 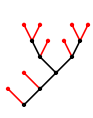 50011000 6177 1132111

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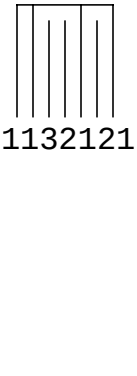
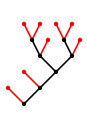
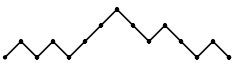
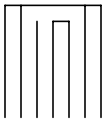
     40011010 6179 1132121

227. 11154  10101110010010  40021000 6183 1132211
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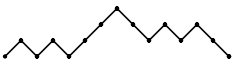
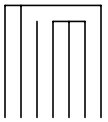
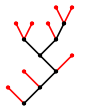
228. 11156  10101110010100   30031000 6185 1132221
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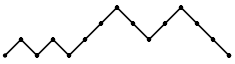
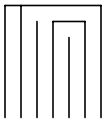
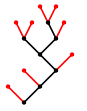
229. 11160  10101110011000   30021010 6191 1132321
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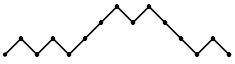
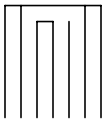
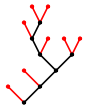
230. 11170  10101110100010   40012000 6207 1133211
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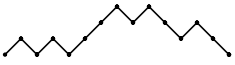
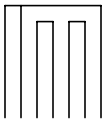
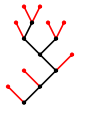
231. 11172  10101110100100   30022000 6209 1133221
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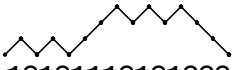
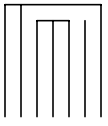
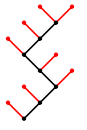
232. 11176  10101110101000   30013000 6215 1133321
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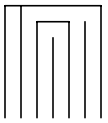
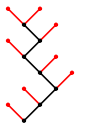
233. 11184 10101110110000   30012010 6239 1134321
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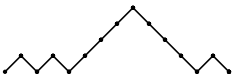
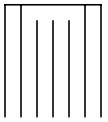
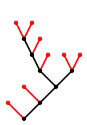
234. 11202  10101111000010   40011100 6327 1143211
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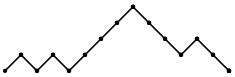
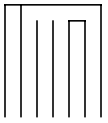
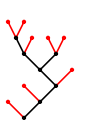
235. 11204  10101111000100   30021100 6329 1143221
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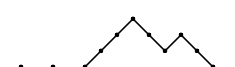
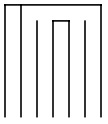
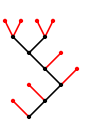
236. 11208  10101111001000   30012100 6335 1143321
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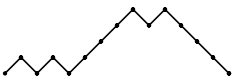

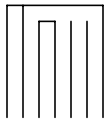
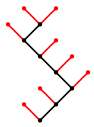

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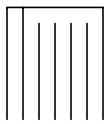
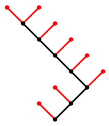

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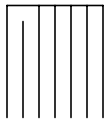

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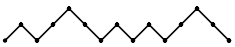

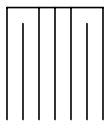
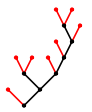

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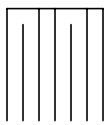
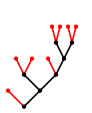

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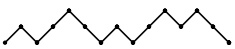

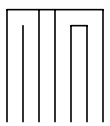
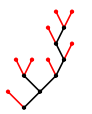

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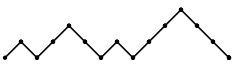

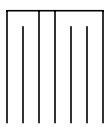
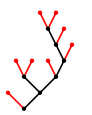

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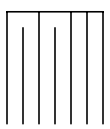
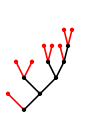

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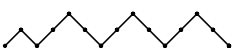

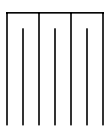
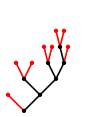

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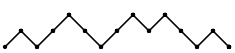

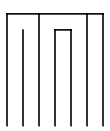
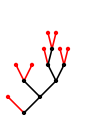

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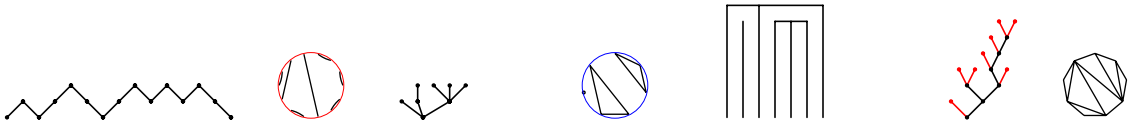

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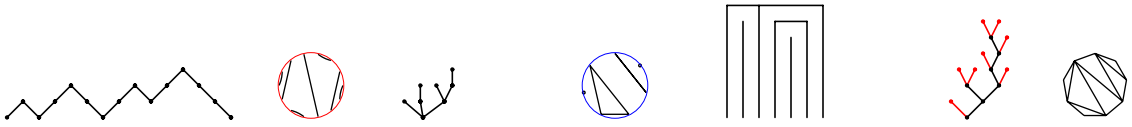

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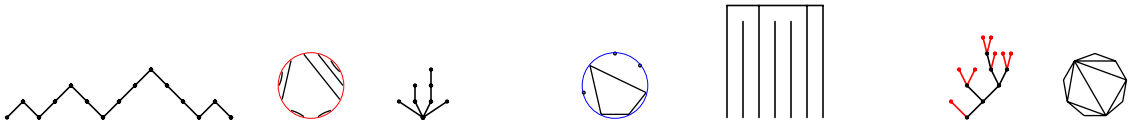

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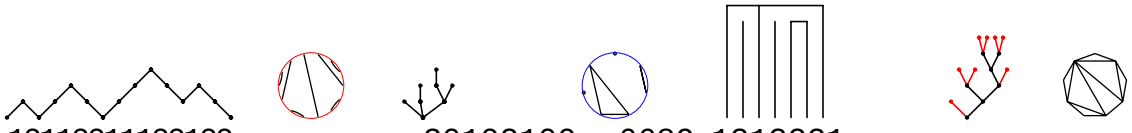

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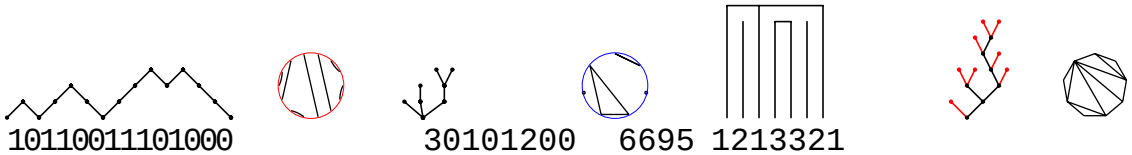

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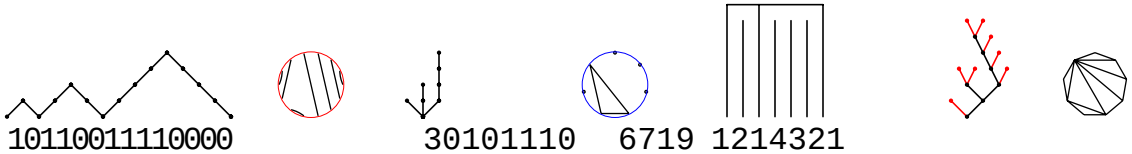

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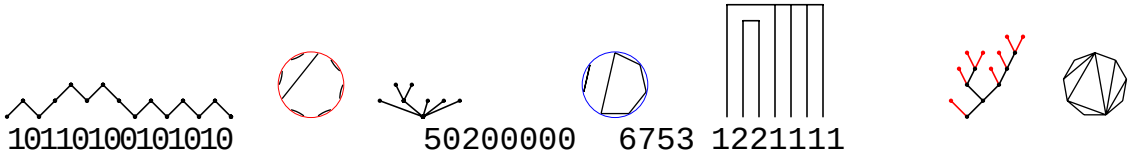

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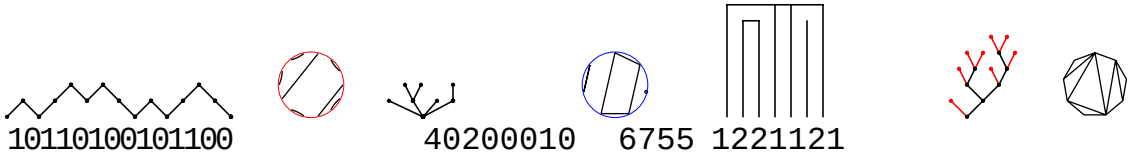

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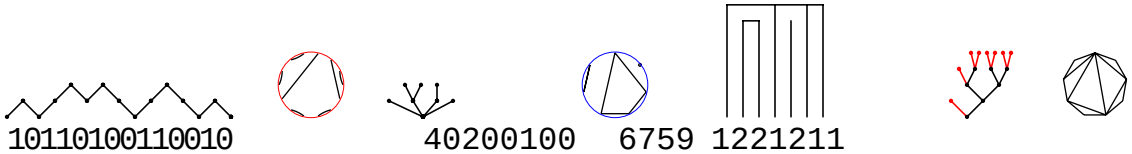

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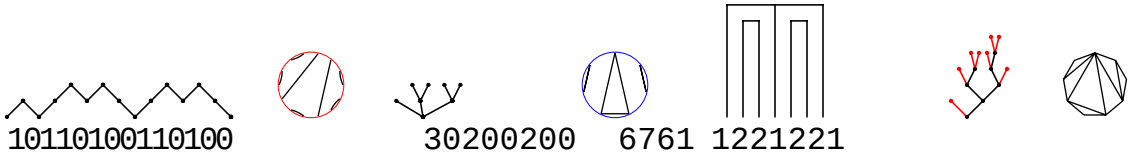

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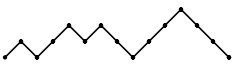
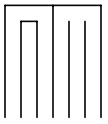
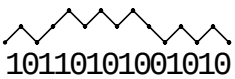
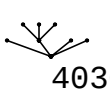
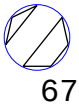
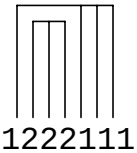
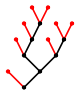
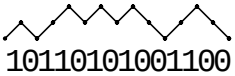
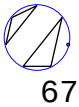
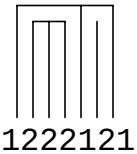
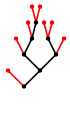
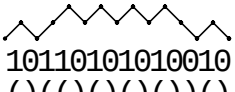
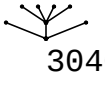
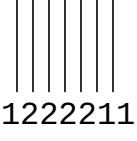
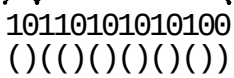
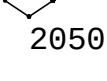
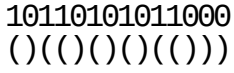
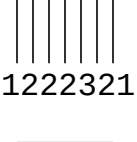
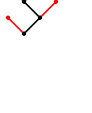
257. 11576 10110100111000   ()(()())((())) 30200110 6767 1221321

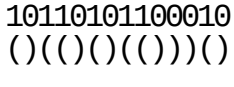
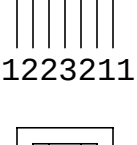
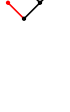
258. 11594 10110101001010      ()(()()())()() 40300000 6777 1222111

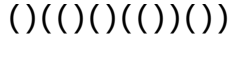
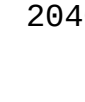
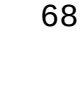
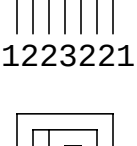
259. 11596 10110101001100     ()(()()())(()) 30300010 6779 1222121

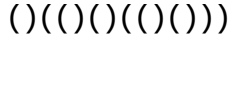
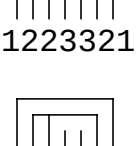
260. 11602 10110101010010    ()(()()()())() 30400000 6783 1222211

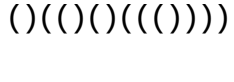
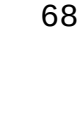
261. 11604 10110101010100   ()(()()()()) 20500000 6785 1222221

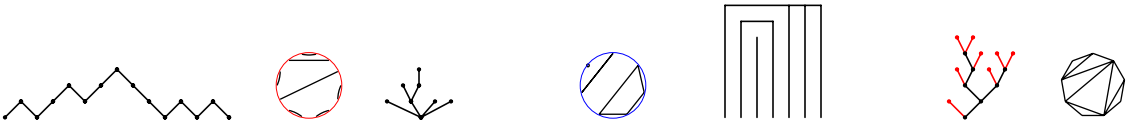
262. 11608 10110101011000    ()(()()()(())) 20400010 6791 1222321

263. 11618 10110101100010    ()(()()(()))() 30300100 6807 1223211

264. 11620 10110101100100     ()(()()(())()) 20400100 6809 1223221

265. 11624 10110101101000     ()(()()()()) 20300200 6815 1223321

266. 11632 10110101110000     ()(()()(())) 20300110 6839 1224321



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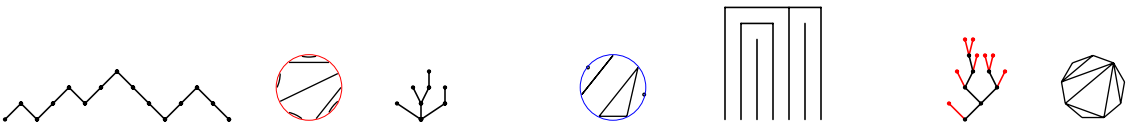

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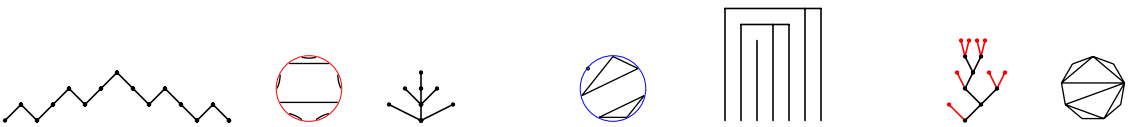

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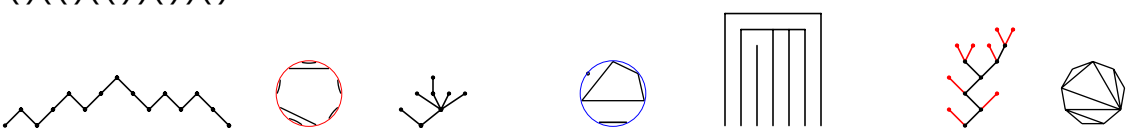

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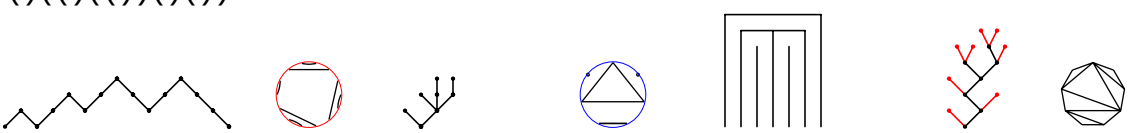

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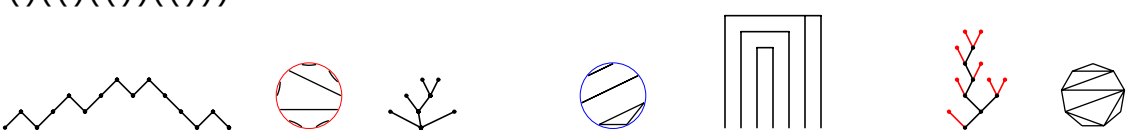

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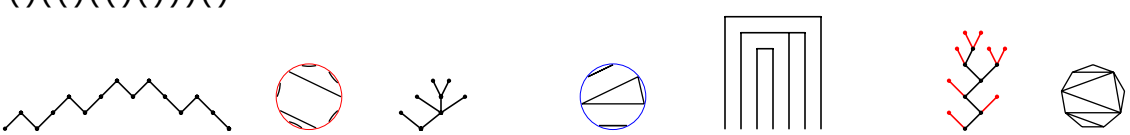

273. 11684 10110110100100
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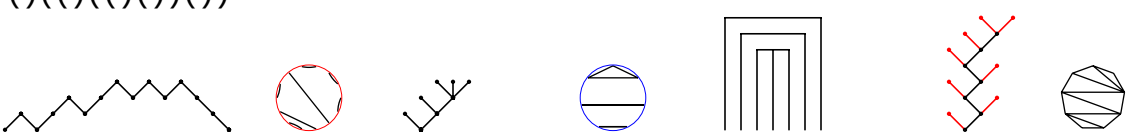

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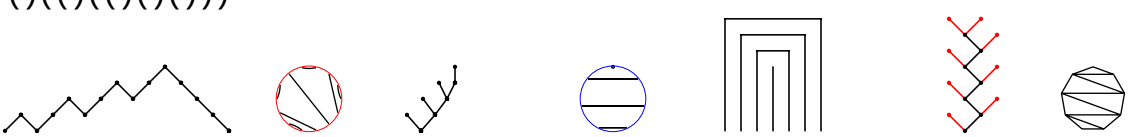

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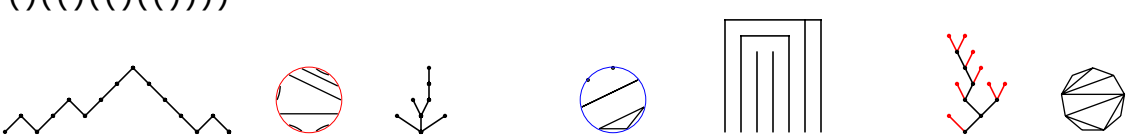

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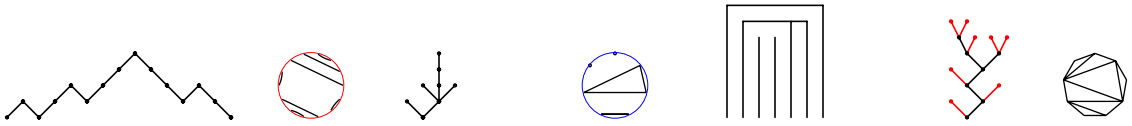

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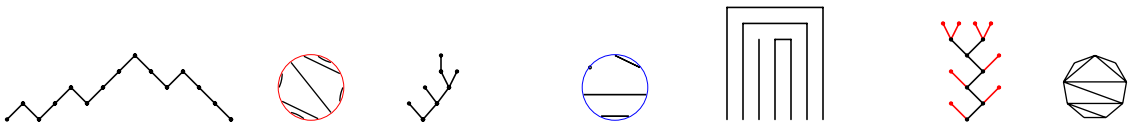

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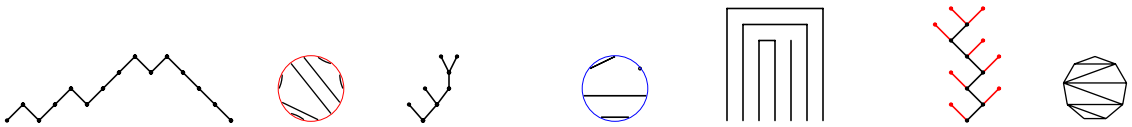

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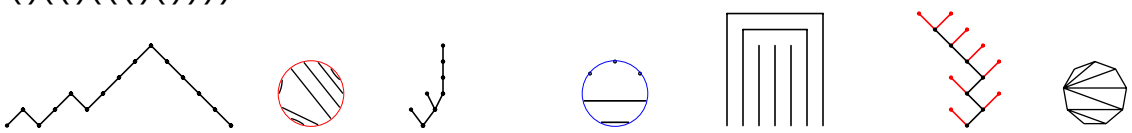

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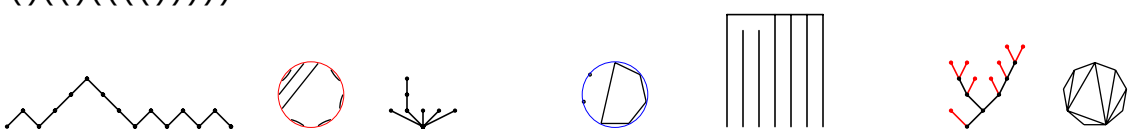

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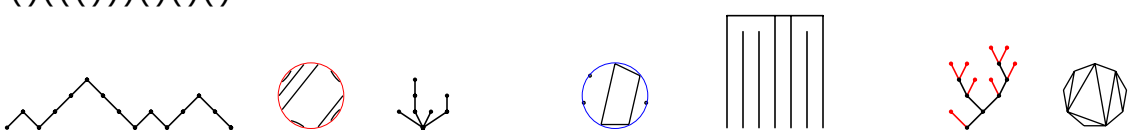

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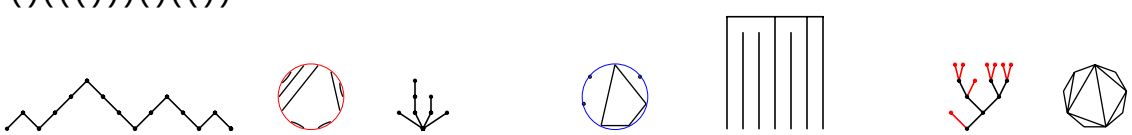

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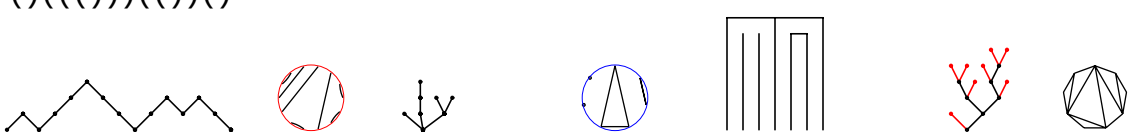

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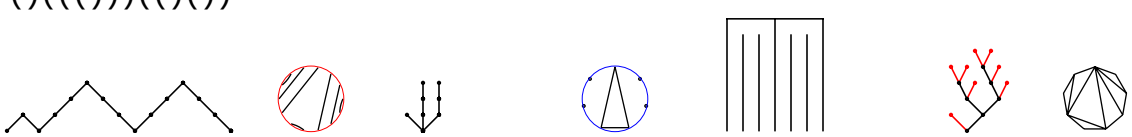

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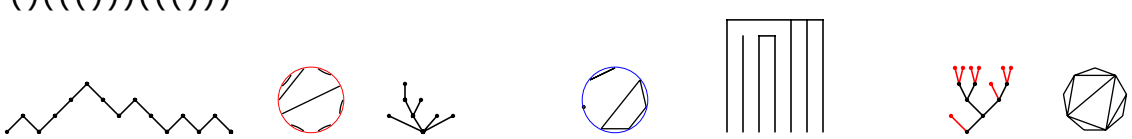

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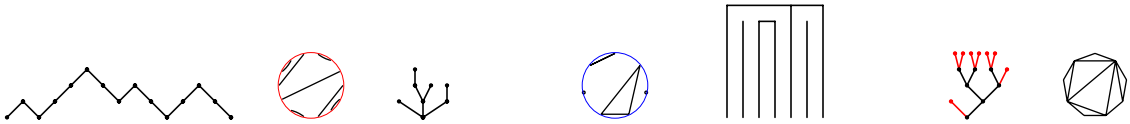

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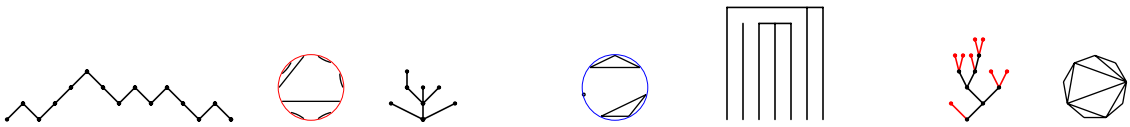

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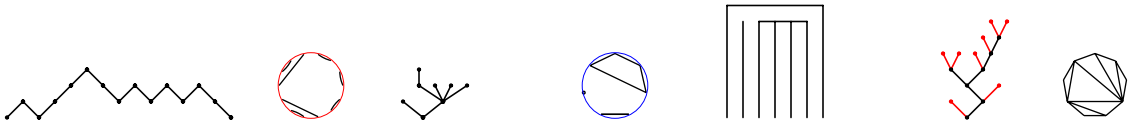

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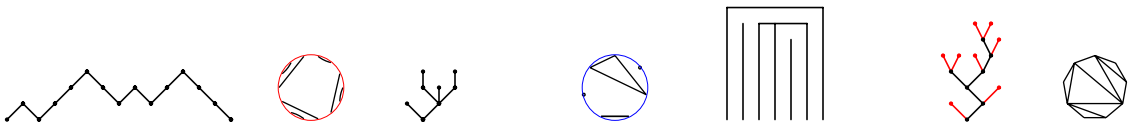

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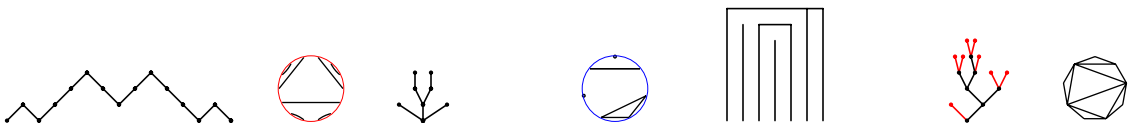

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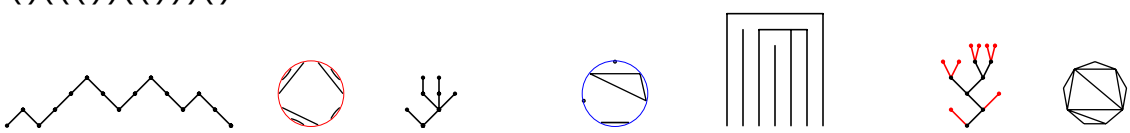

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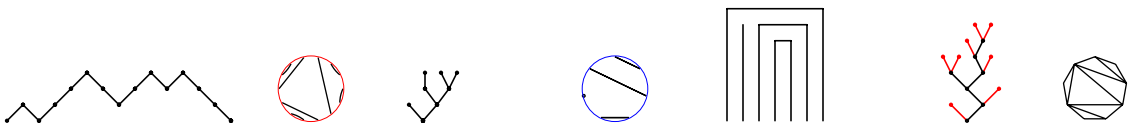

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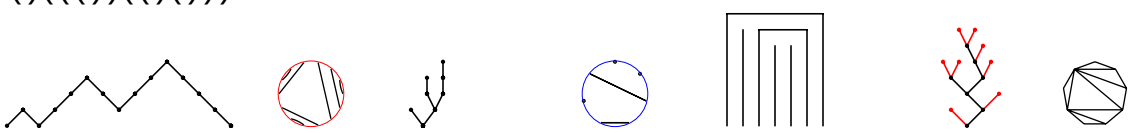

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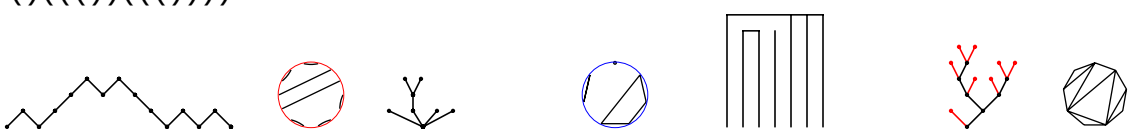

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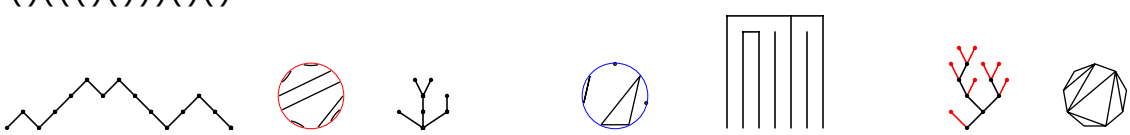

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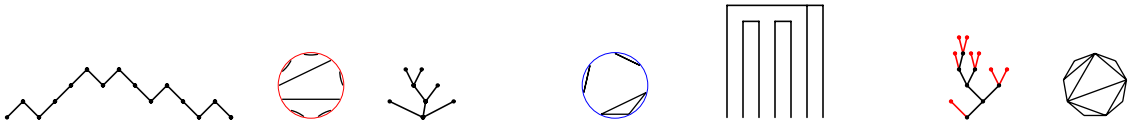

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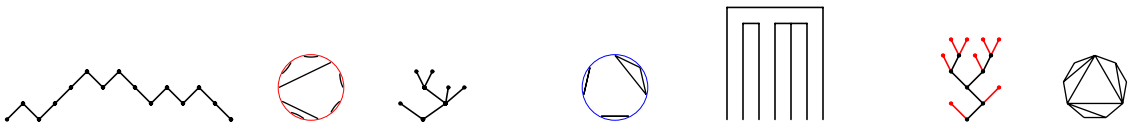

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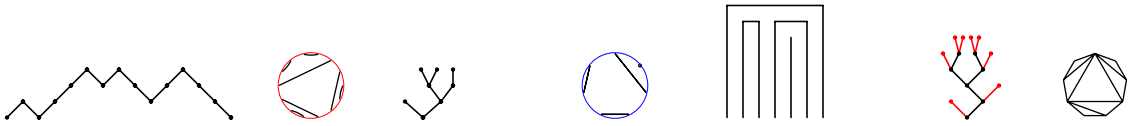

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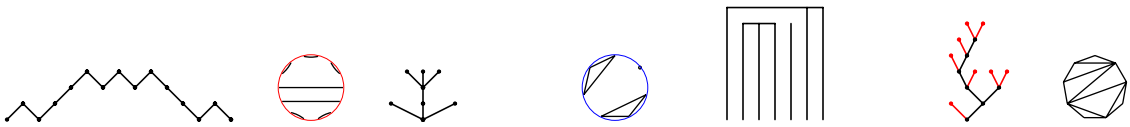

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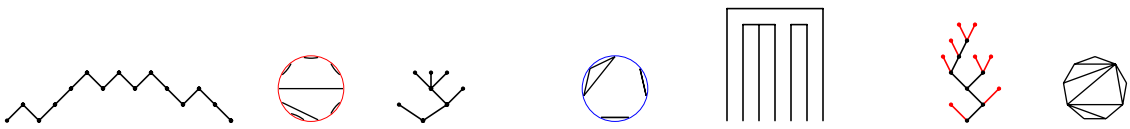

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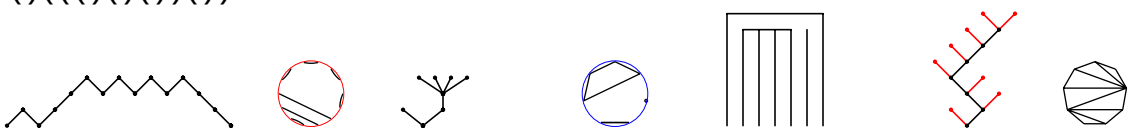

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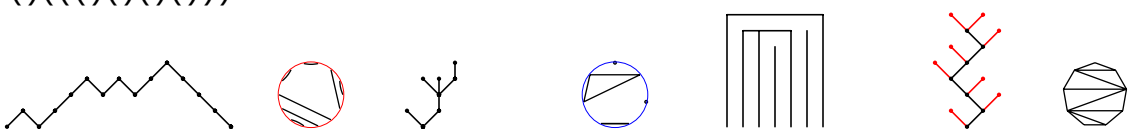

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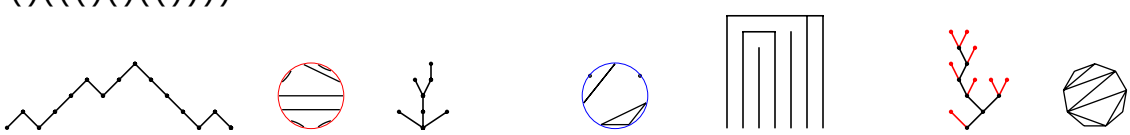

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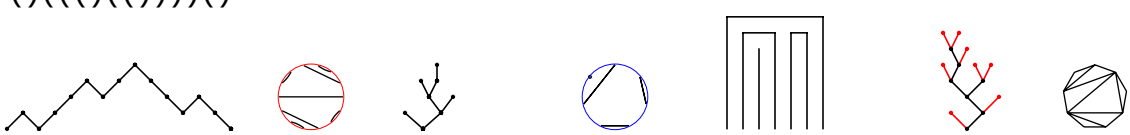

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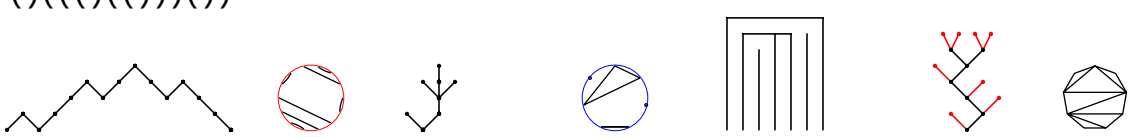

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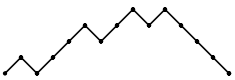

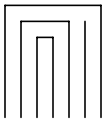
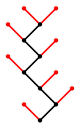

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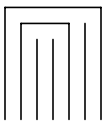
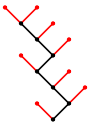

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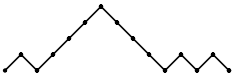

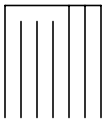

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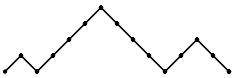

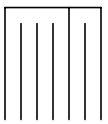

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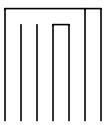

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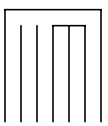

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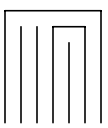
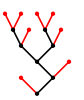

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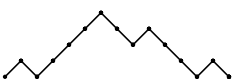

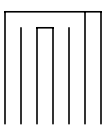

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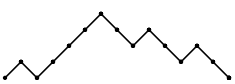

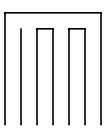
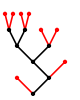

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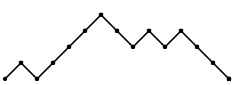

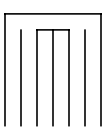
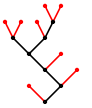

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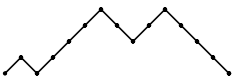
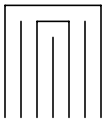
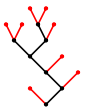
317. 12080 10111100110000   
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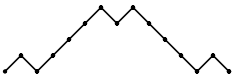
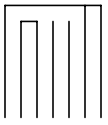
318. 12098 10111101000010  
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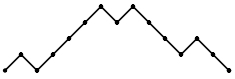
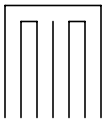
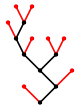
319. 12100 10111101000100   
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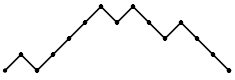
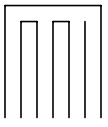
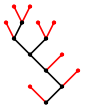
320. 12104 10111101001000   
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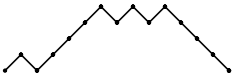
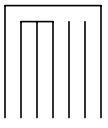
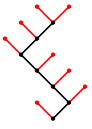
321. 12112 10111101010000   
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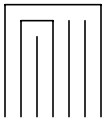
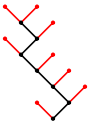
322. 12128 10111101100000  
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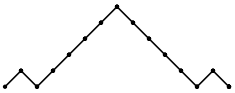
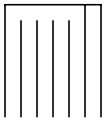
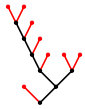
323. 12162 10111110000010   
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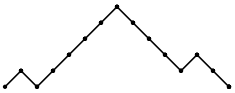
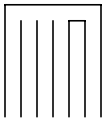
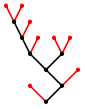
324. 12164 10111110000100   
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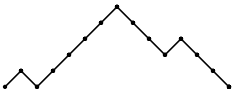
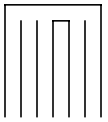
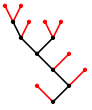
325. 12168 10111110001000   
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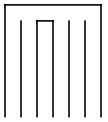
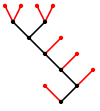
326. 12176 10111110010000  
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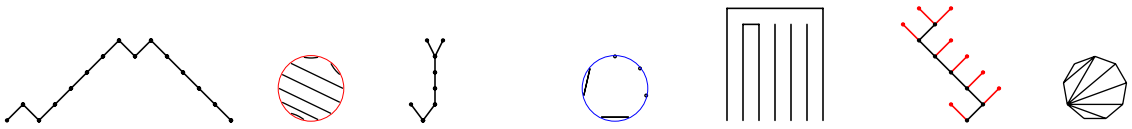

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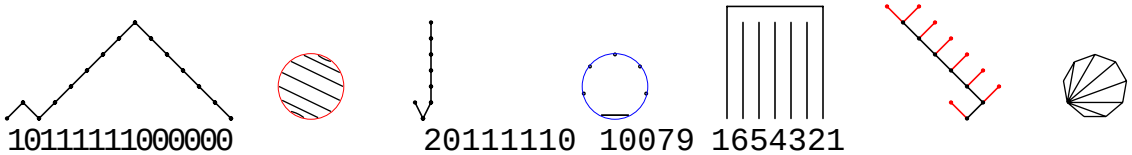

328. 12224 10111111000000 20111110 10079 1654321
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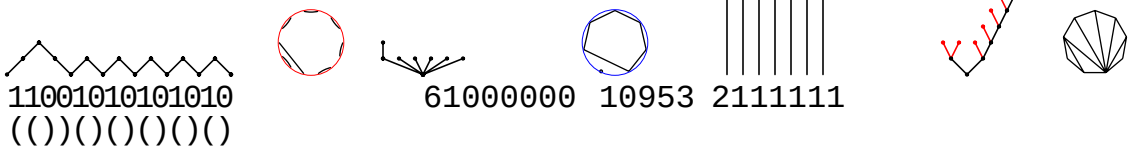

329. 12970 11001010101010 61000000 10953 2111111
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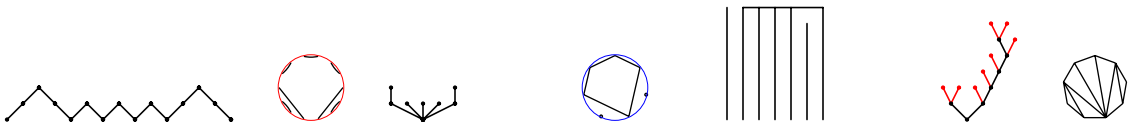

330. 12972 11001010101100 51000010 10955 2111121
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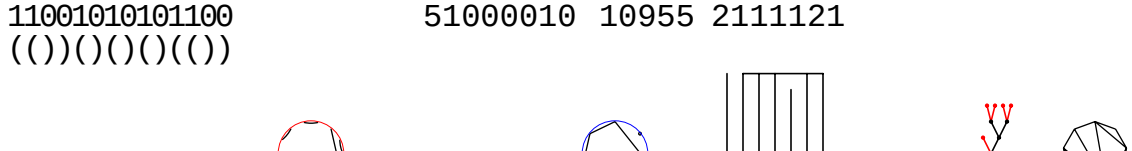

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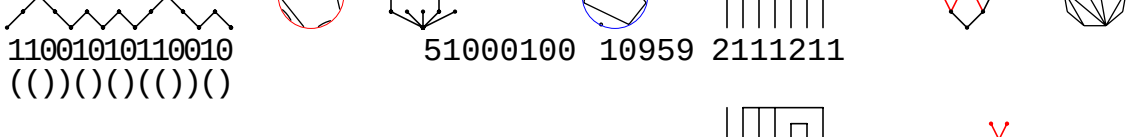

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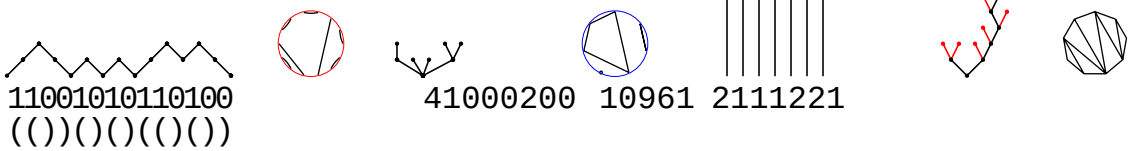

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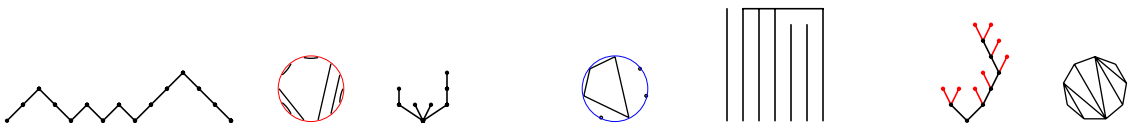

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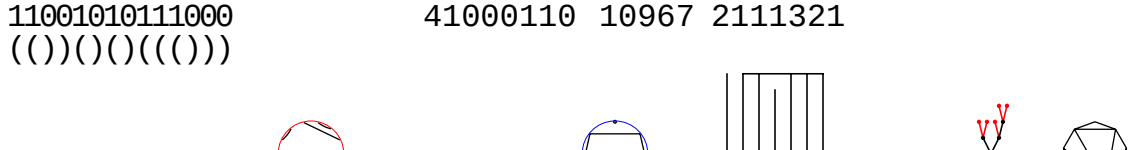

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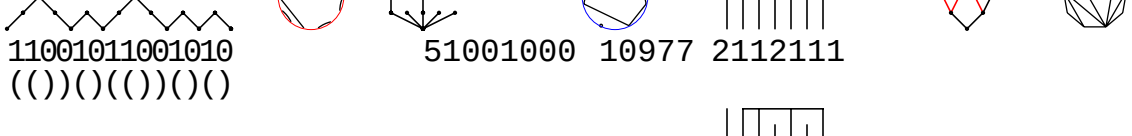

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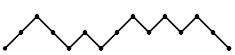

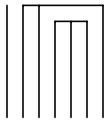
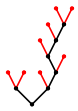

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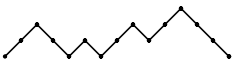

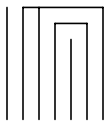
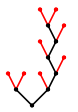

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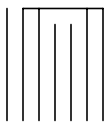

340. 13028 1100101110100 0 31002100 11009 2113221
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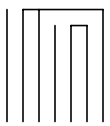

341. 13032 1100101110100 0 31001200 11015 2113321
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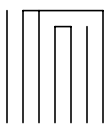
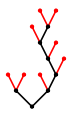

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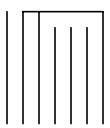
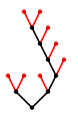

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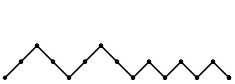

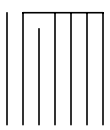

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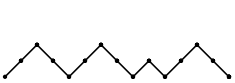

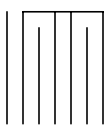

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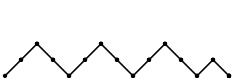

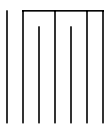

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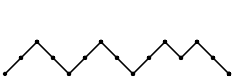

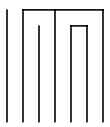

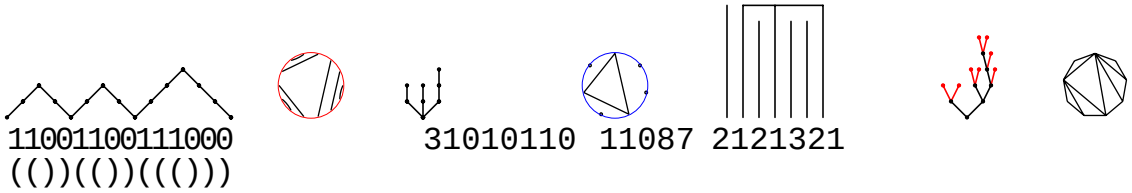

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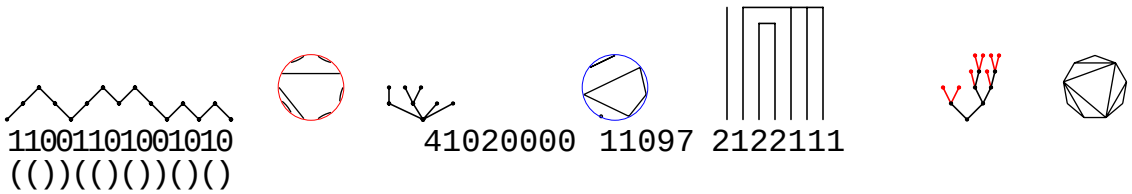

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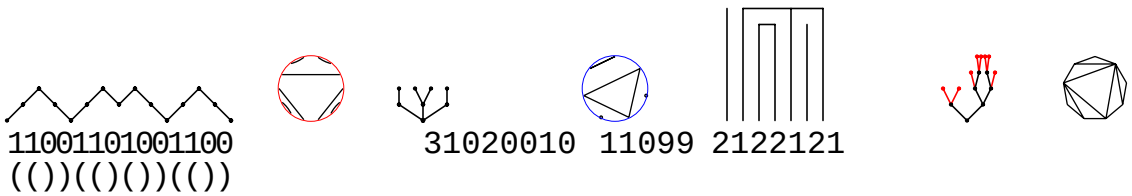

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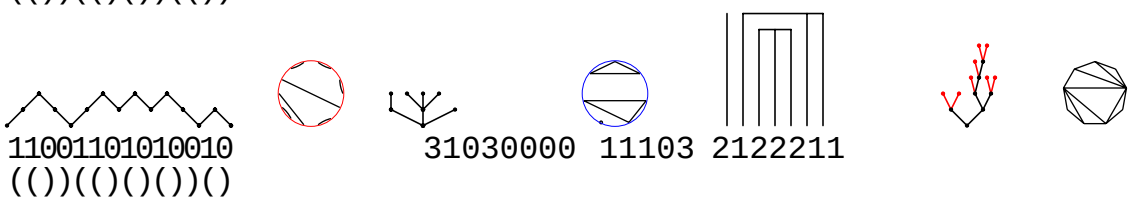

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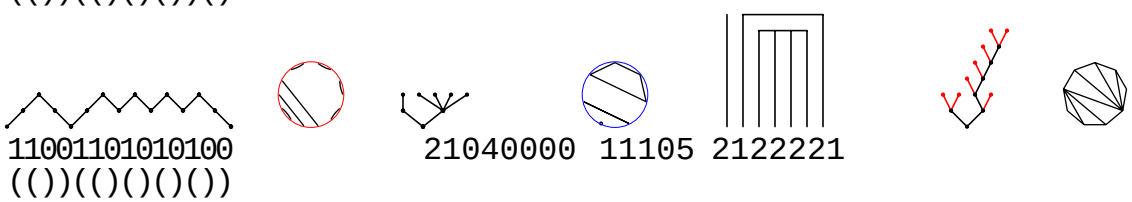

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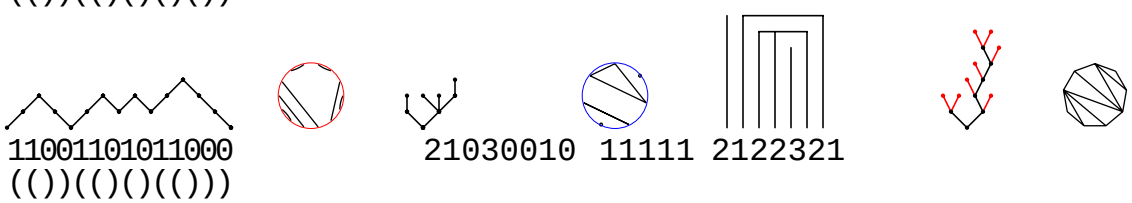

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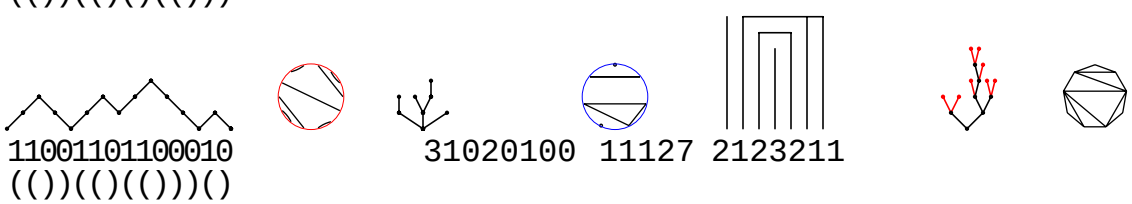

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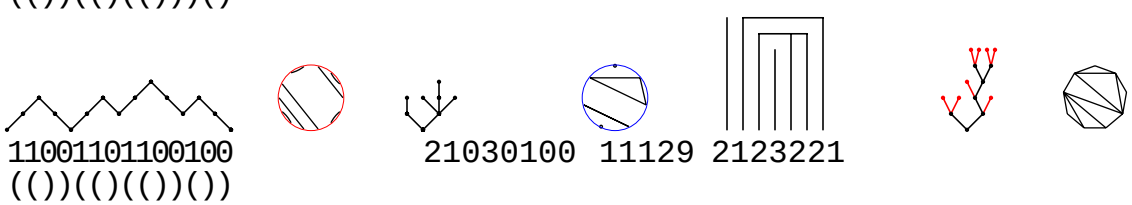

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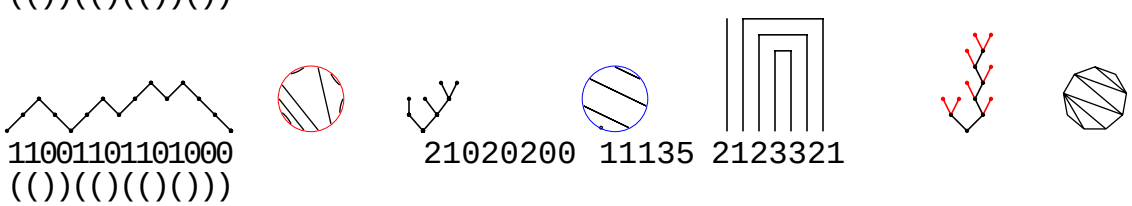

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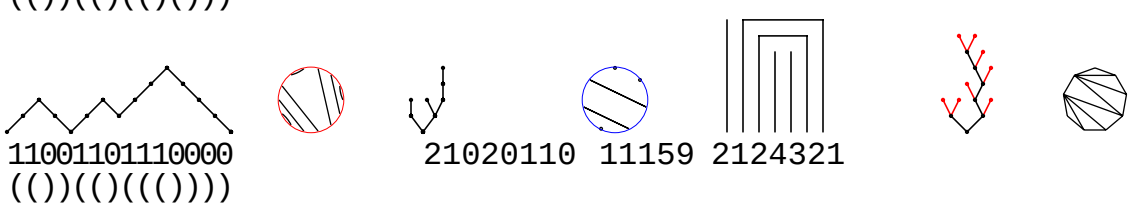

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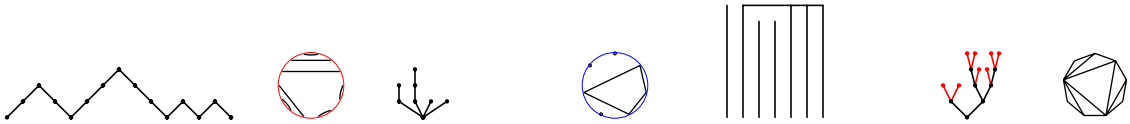

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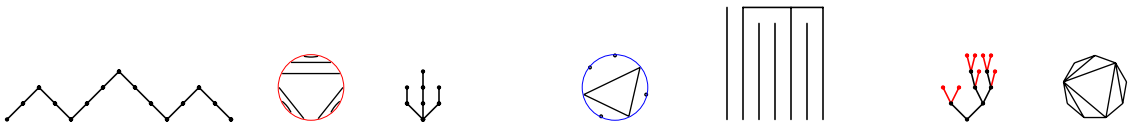

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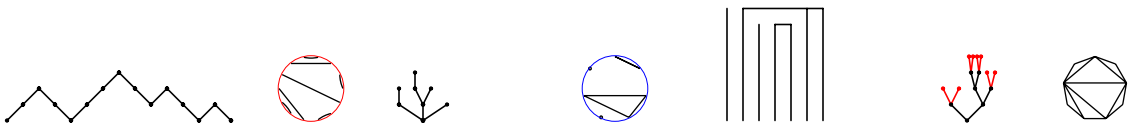

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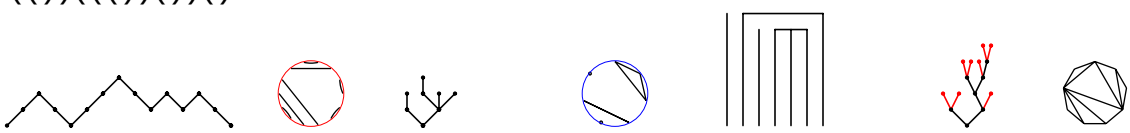

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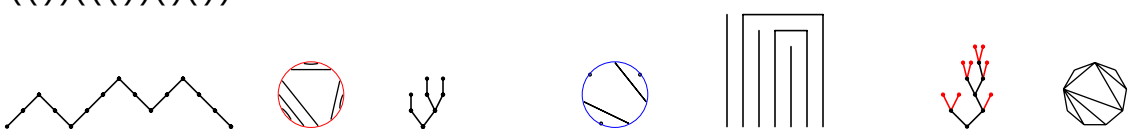

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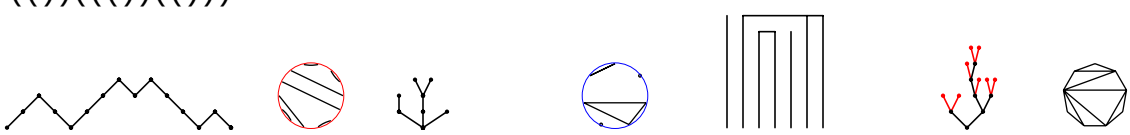

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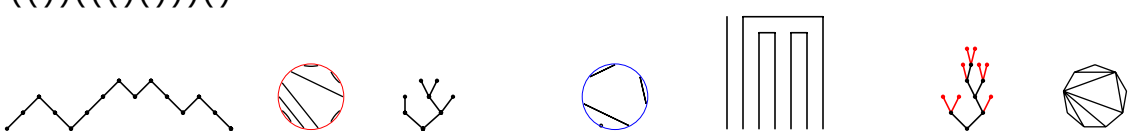

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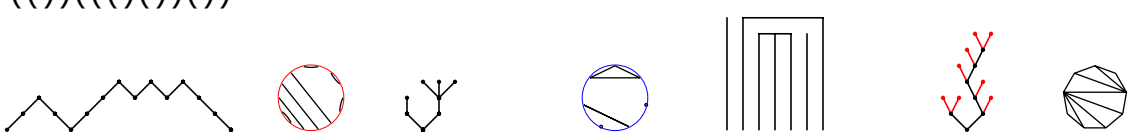

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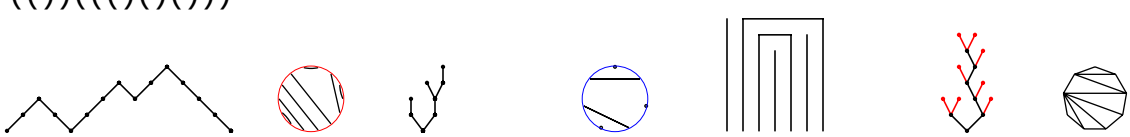

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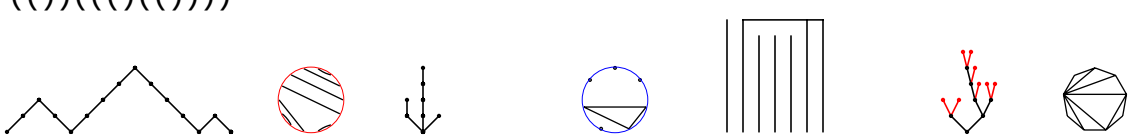

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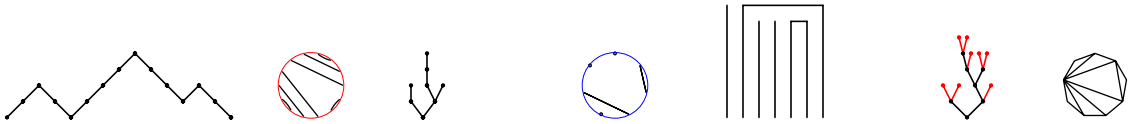

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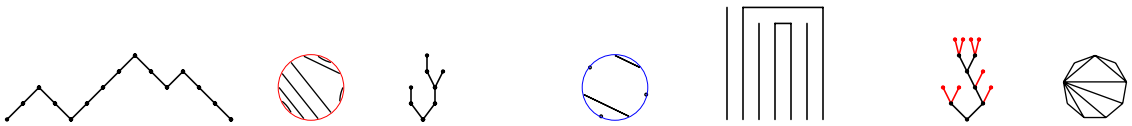

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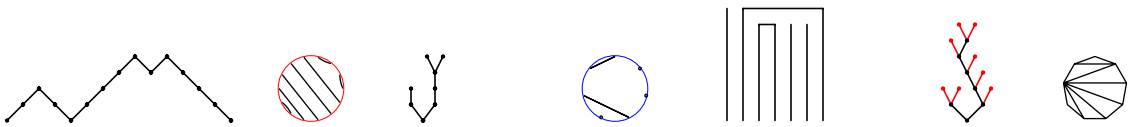

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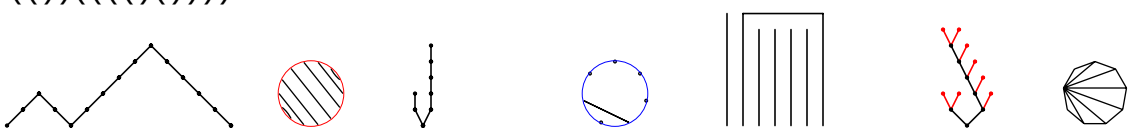

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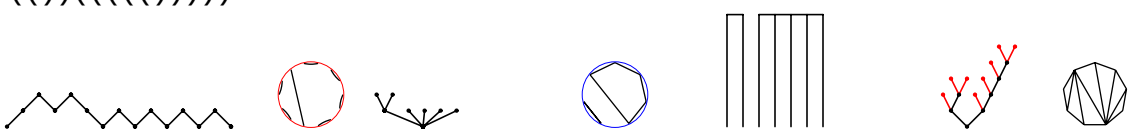

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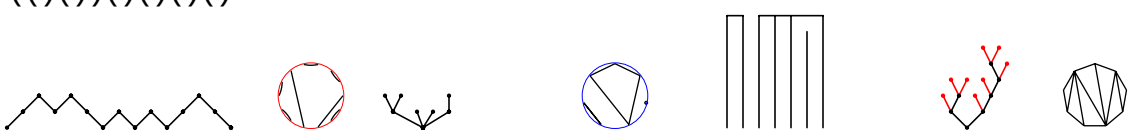

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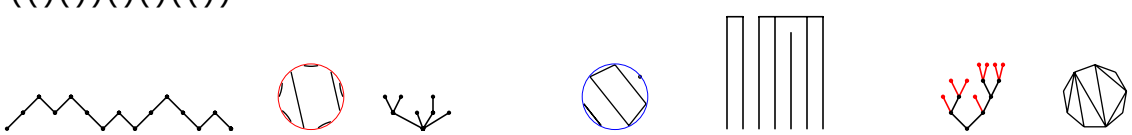

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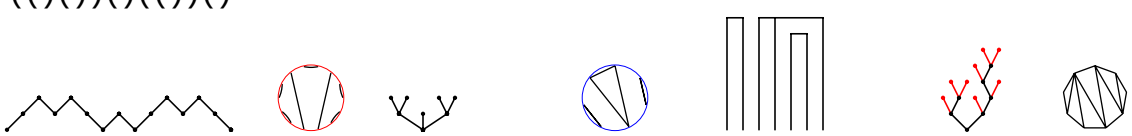

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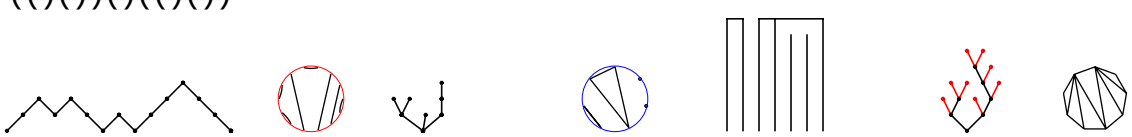

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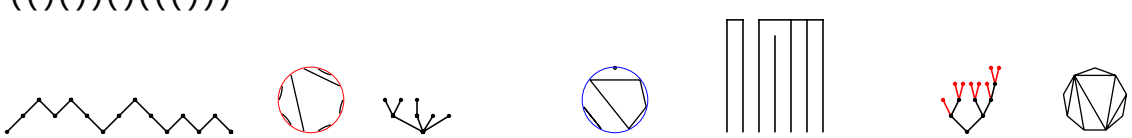

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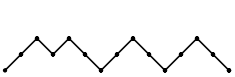
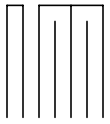
377. 13516  11010011001100 
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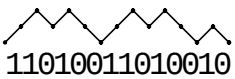
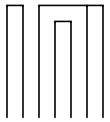
378. 13522  11010011010010 
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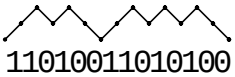
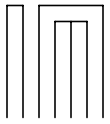
379. 13524  11010011010100 
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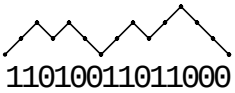
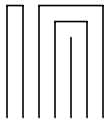
380. 13528  11010011011000 
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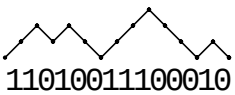
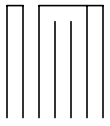
381. 13538  11010011100010 
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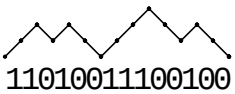
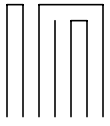
382. 13540  11010011100100 
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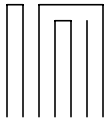
383. 13544 11010011101000 
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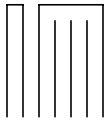
384. 13552 11010011110000 
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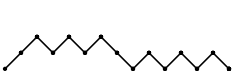
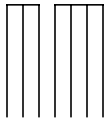
385. 13610  11010100101010 
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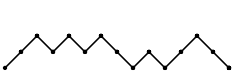
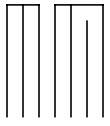
386. 13612  11010100101100 
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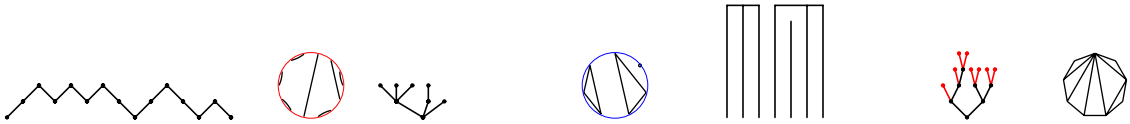

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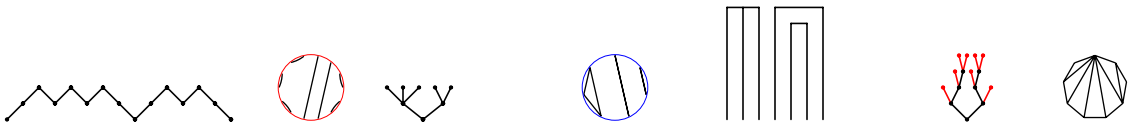

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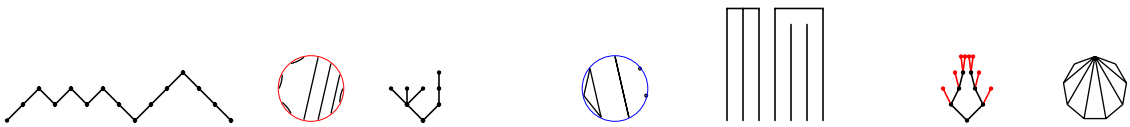

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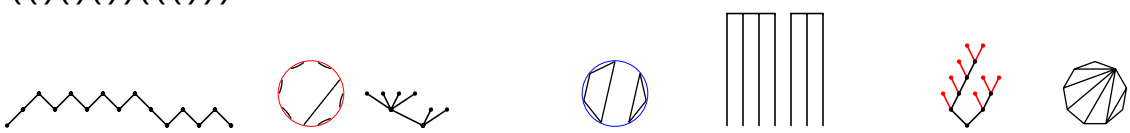

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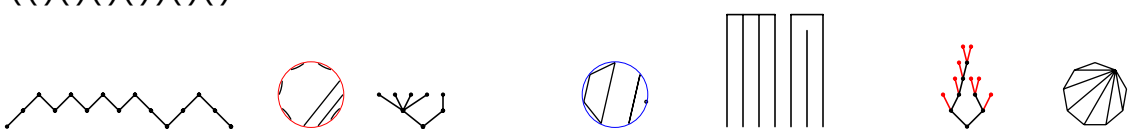

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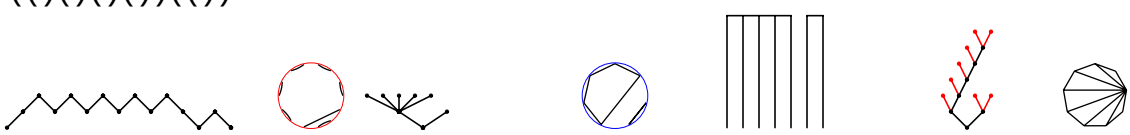

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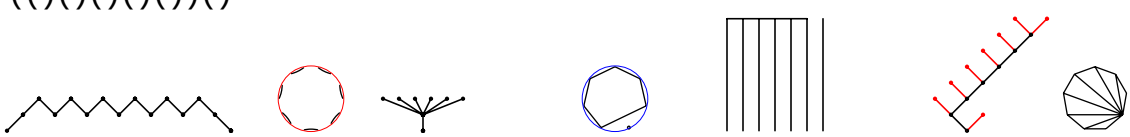

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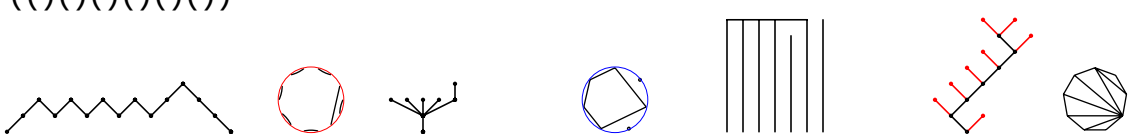

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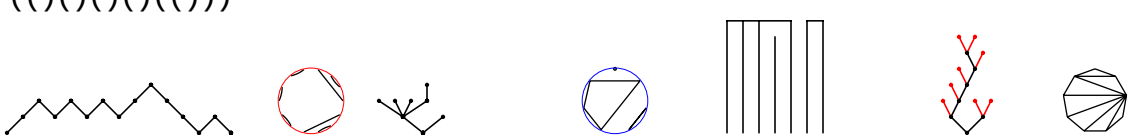

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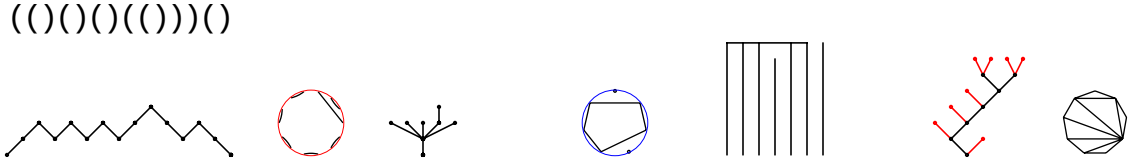

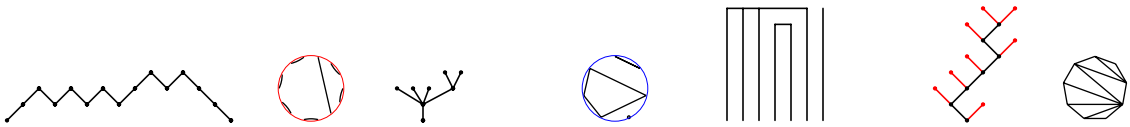

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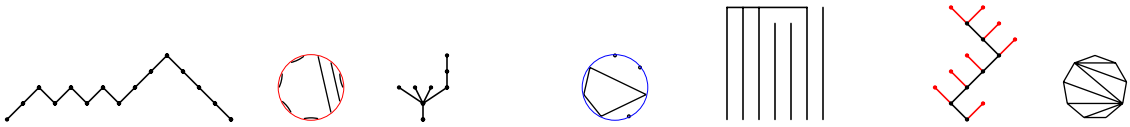

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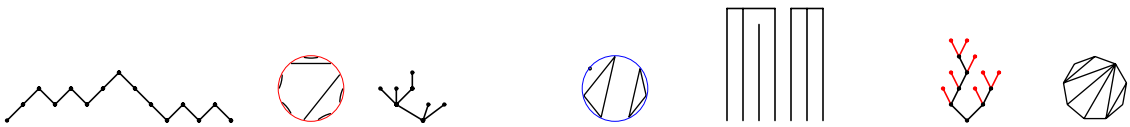

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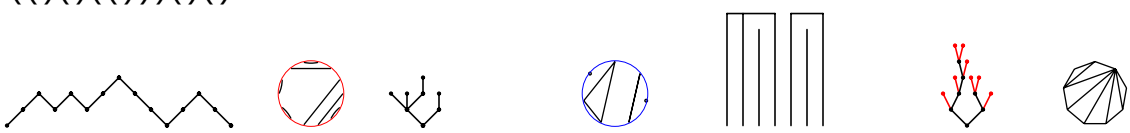

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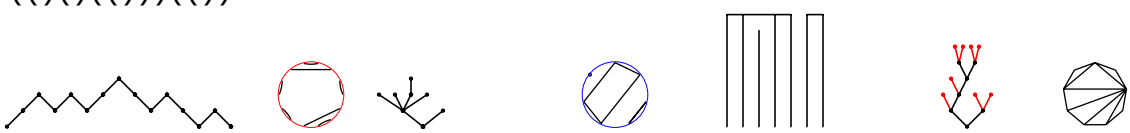

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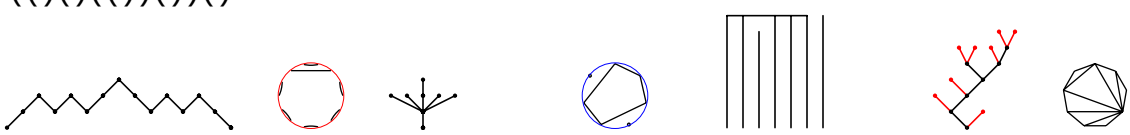

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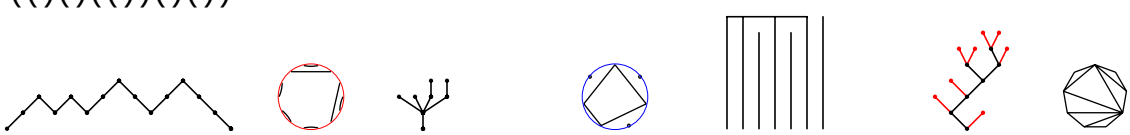

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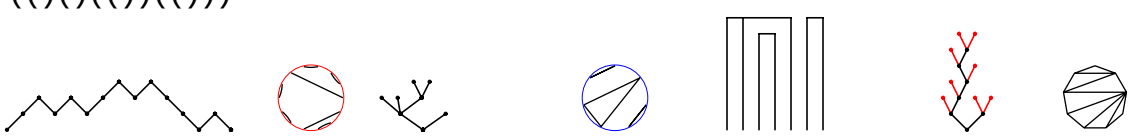

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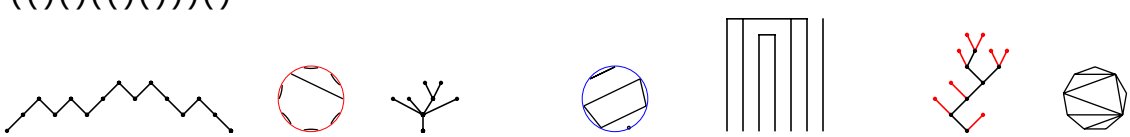

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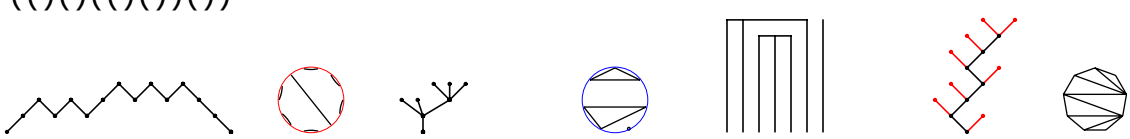

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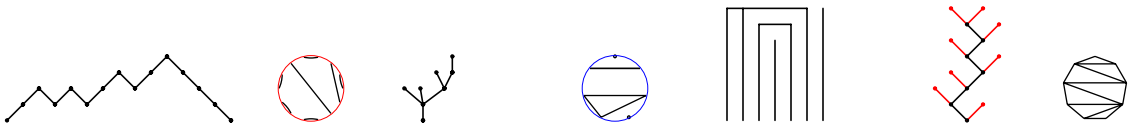

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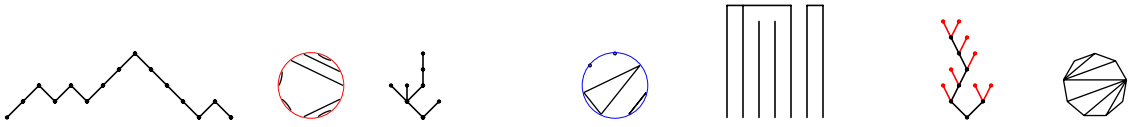

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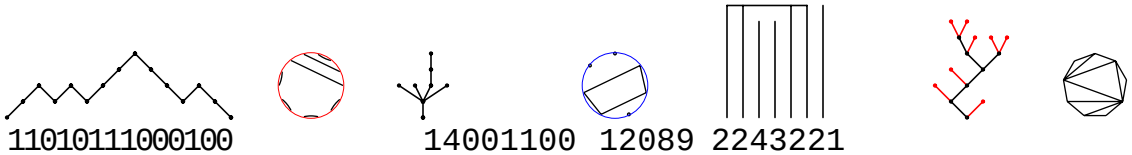

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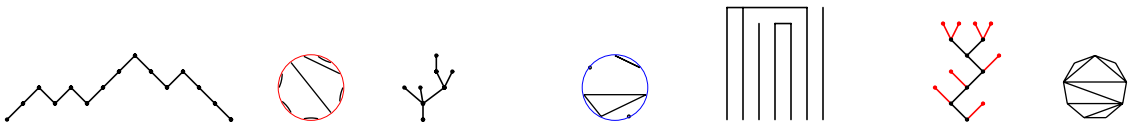

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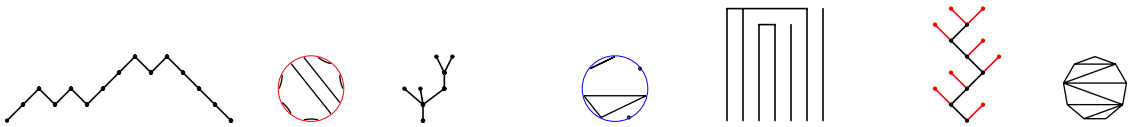

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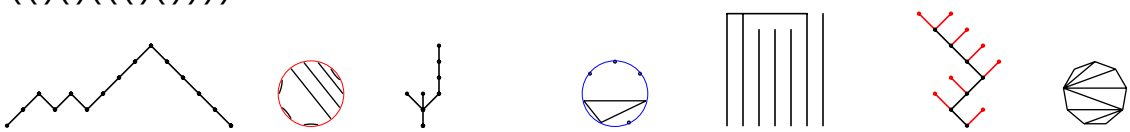

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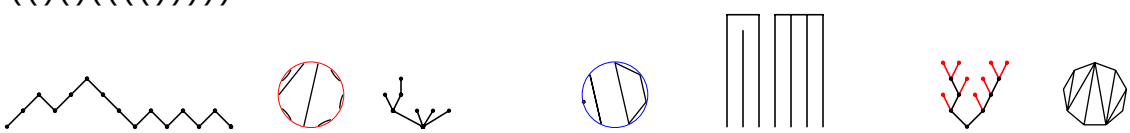

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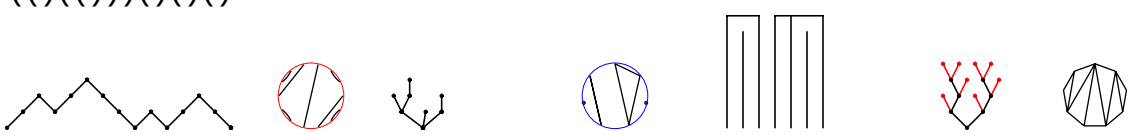

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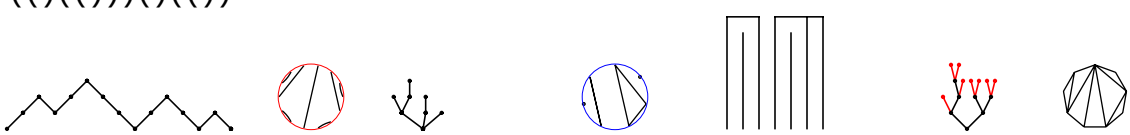

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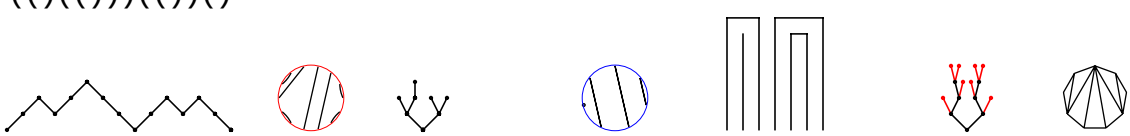

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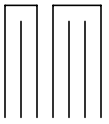
417. 13880 110110001110000 
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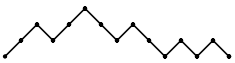
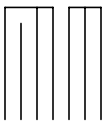
418. 13898 110110010010100  
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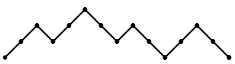
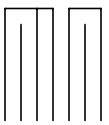
419. 13900 110110010011100  
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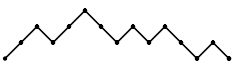
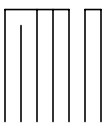
420. 13906 110110010100100  
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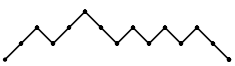
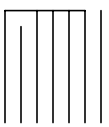
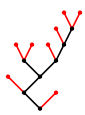
421. 13908 110110010101000   
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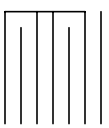
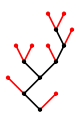
422. 13912 110110010110000  
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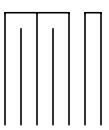
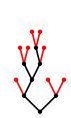
423. 13922 110110011000010  
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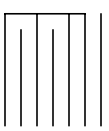
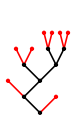
424. 13924 110110011001000  
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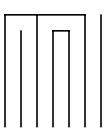
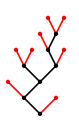
425. 13928 110110011010000  
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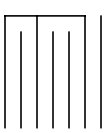
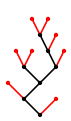
426. 13936 110110011110000  
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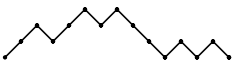
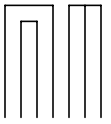
427. 13962  11011010001010 
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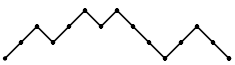
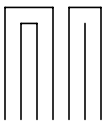
428. 13964  11011010001100 
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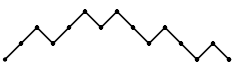
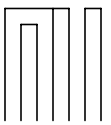
429. 13970  11011010010010 
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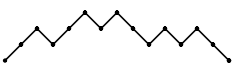
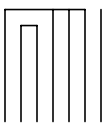
430. 13972  11011010010100 
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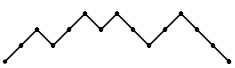
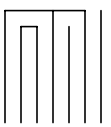
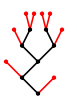
431. 13976  11011010011000  
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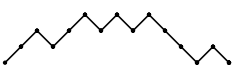
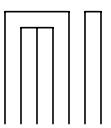
432. 13986  11011010100010 
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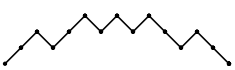
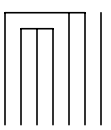
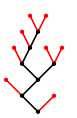
433. 13988  11011010100100  
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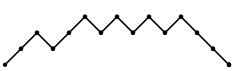
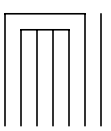
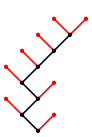
434. 13992  11011010101000  
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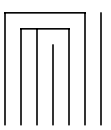
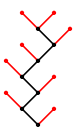
435. 14000 11011010110000  
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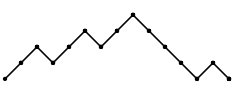
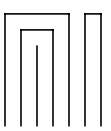
436. 14018  11011011000010 
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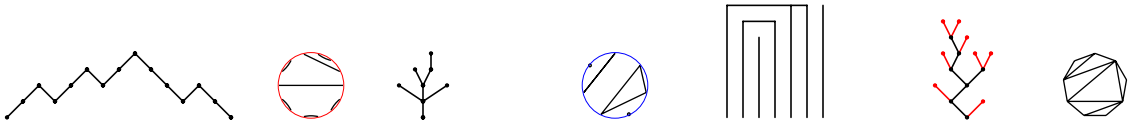

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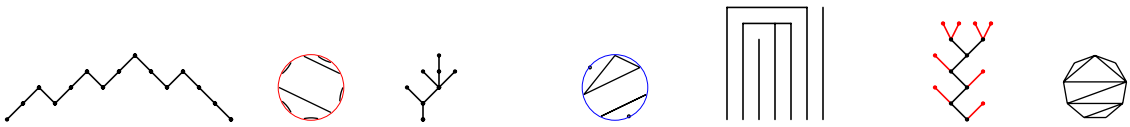

438. 14024 11011011001000 12030100 12815 2343321
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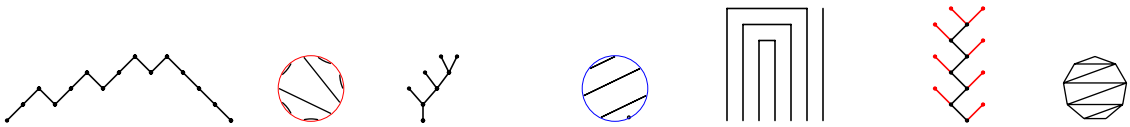

439. 14032 11011011010000 12020200 12839 2344321
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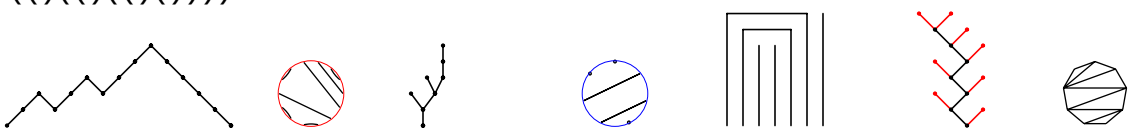

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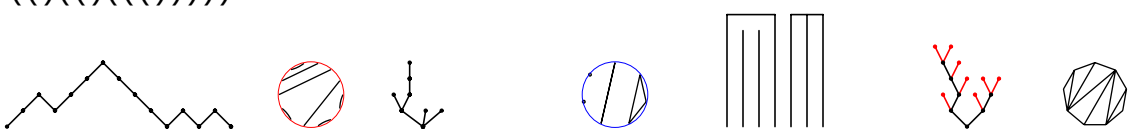

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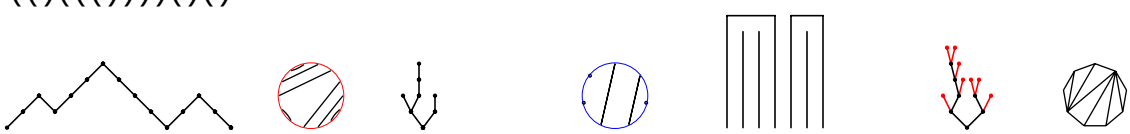

442. 14092 11011100001100 22011010 13379 2432121
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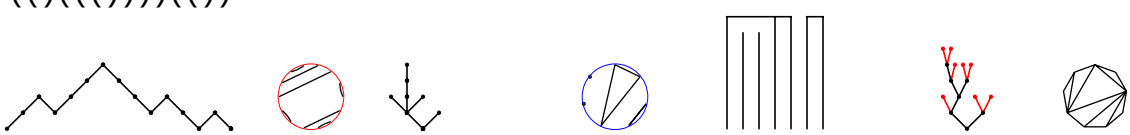

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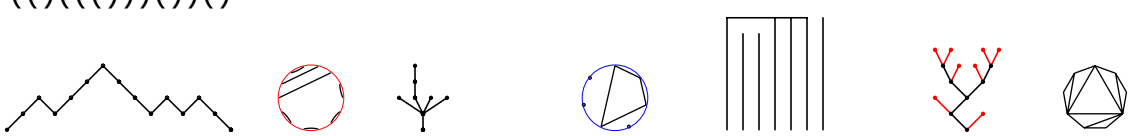

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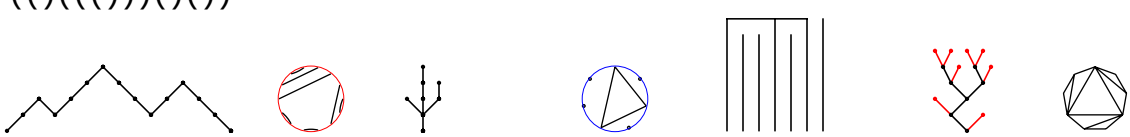

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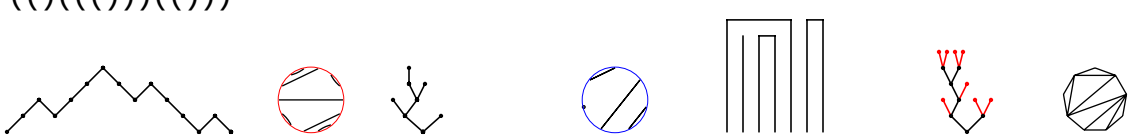

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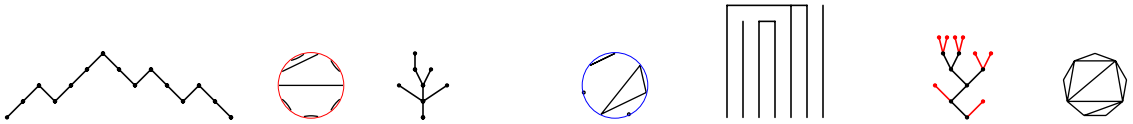

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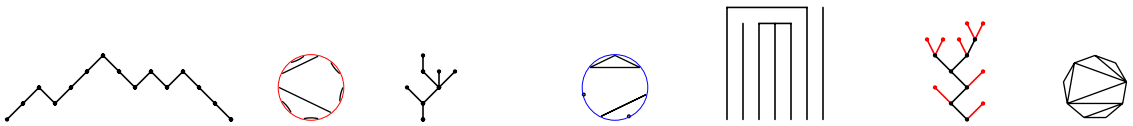

448. 14120 11011100101000 12031000 13415 2433321
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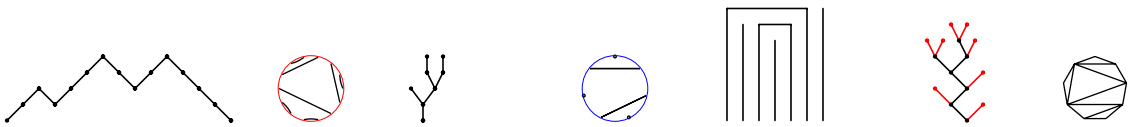

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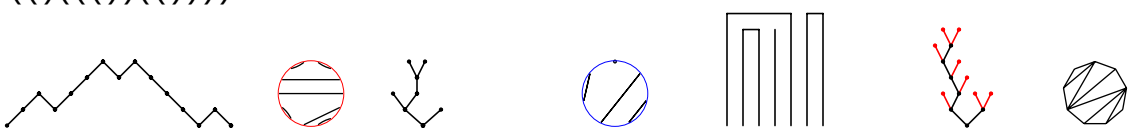

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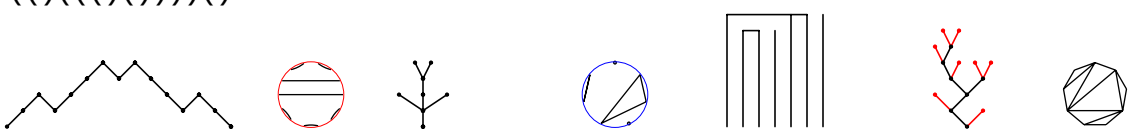

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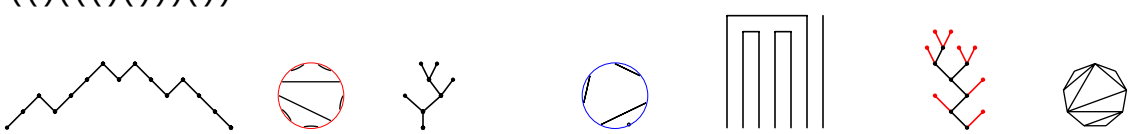

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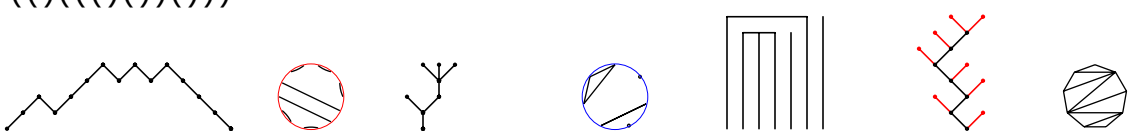

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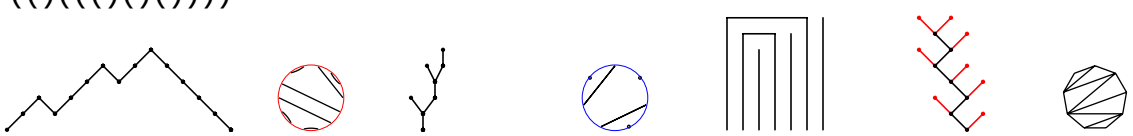

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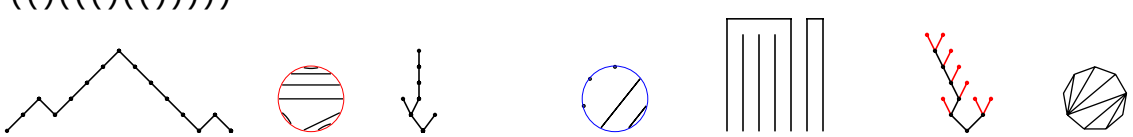

455. 14210 11011110000010 22011100 14247 2543211
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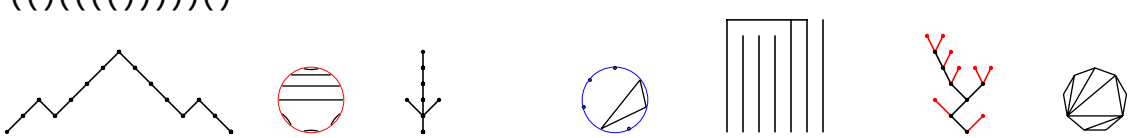

456. 14212 11011110000100 13011100 14249 2543221
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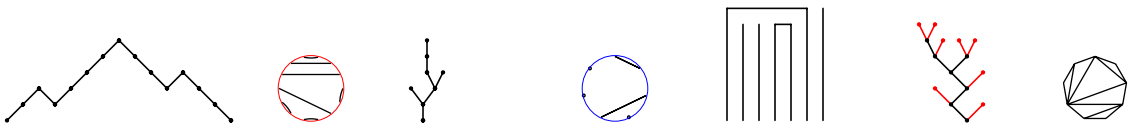

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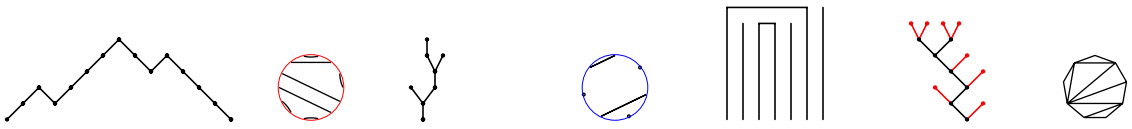

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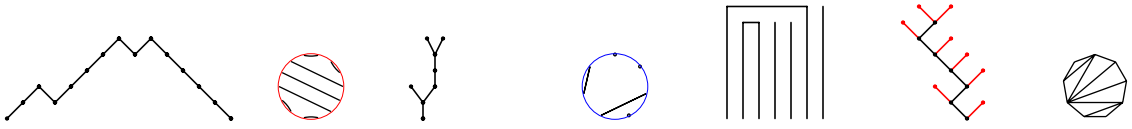

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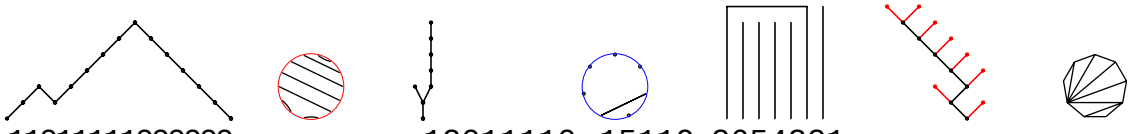

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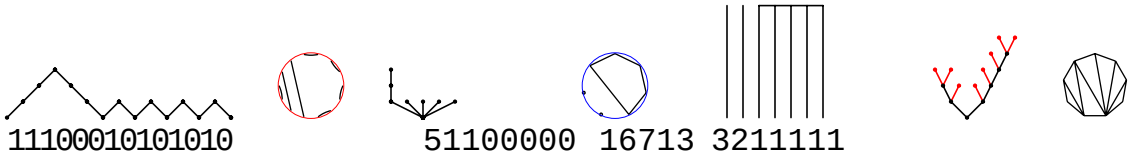

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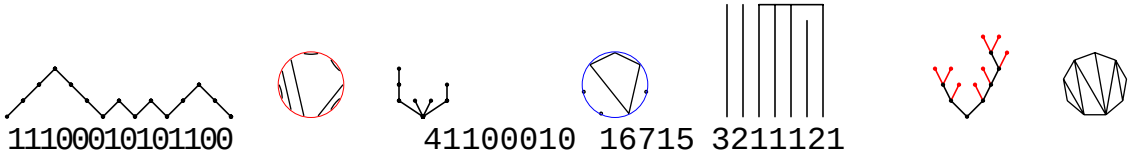

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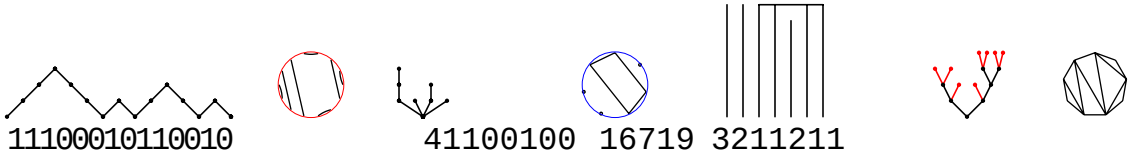

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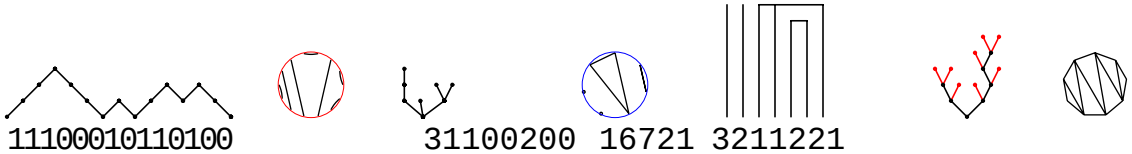

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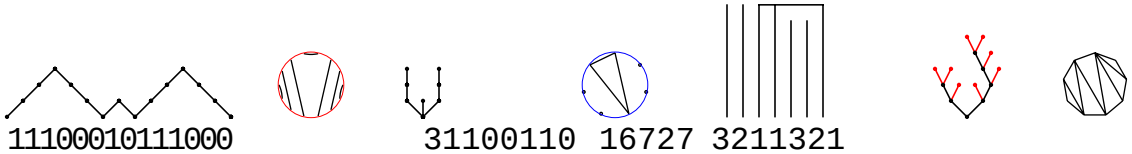

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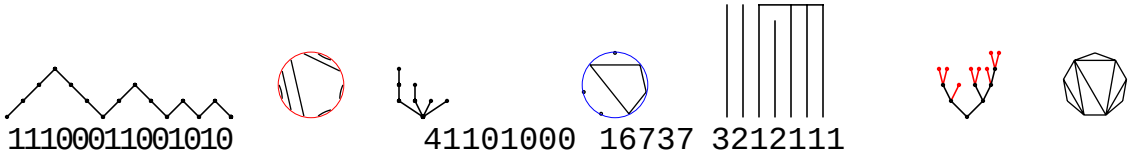

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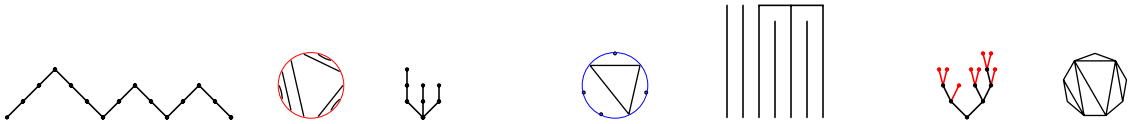

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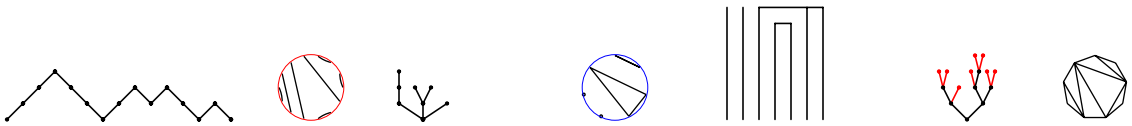

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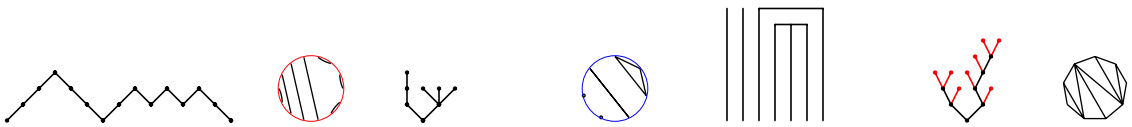

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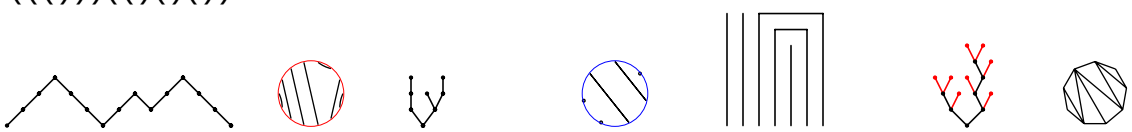

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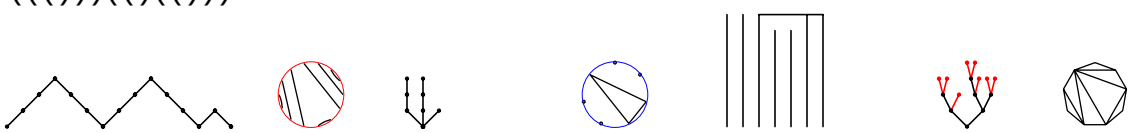

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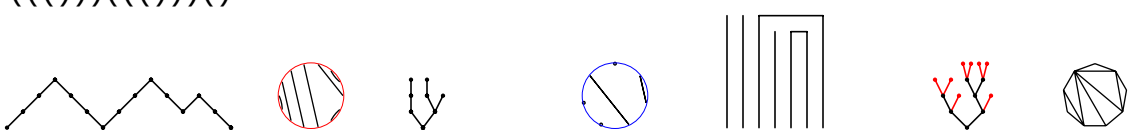

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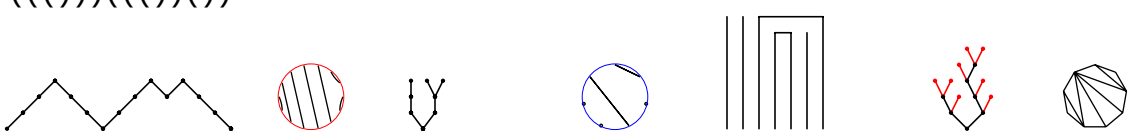

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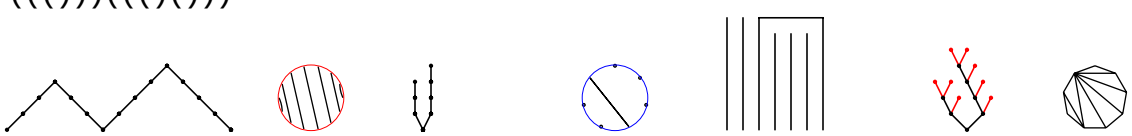

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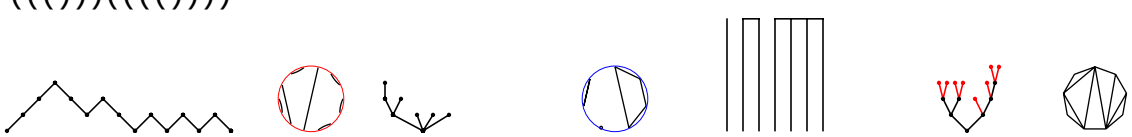

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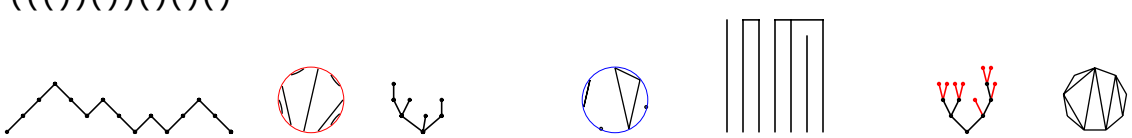

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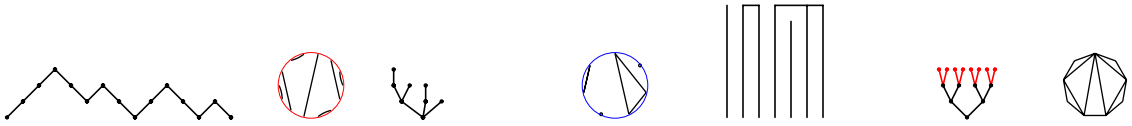

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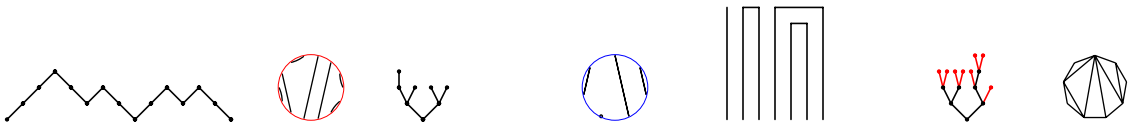

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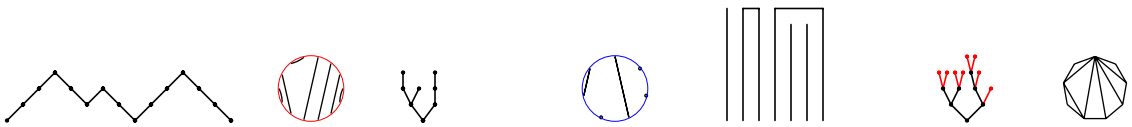

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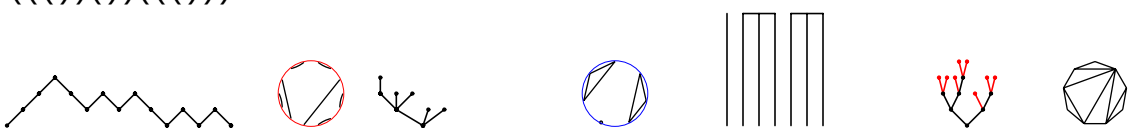

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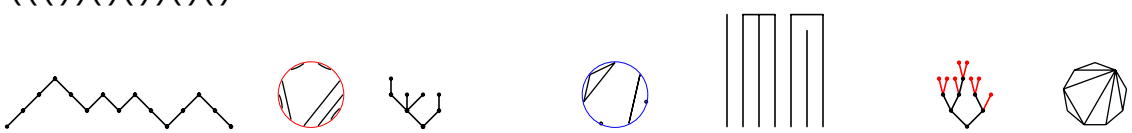

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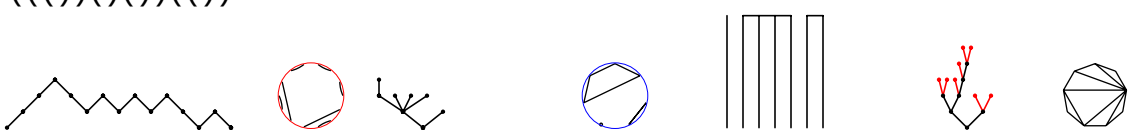

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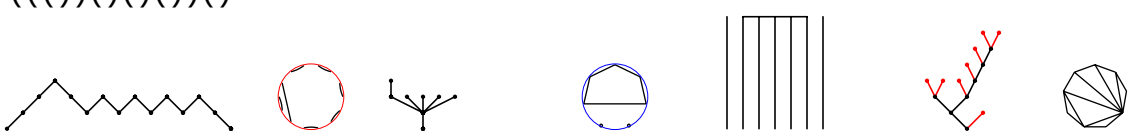

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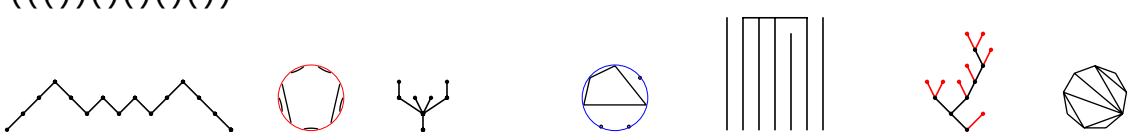

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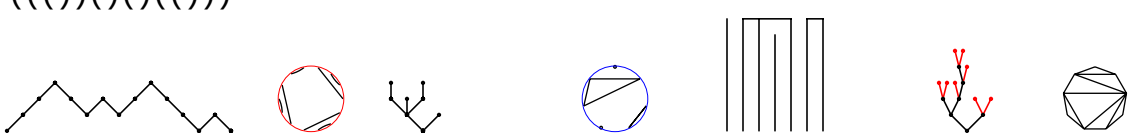

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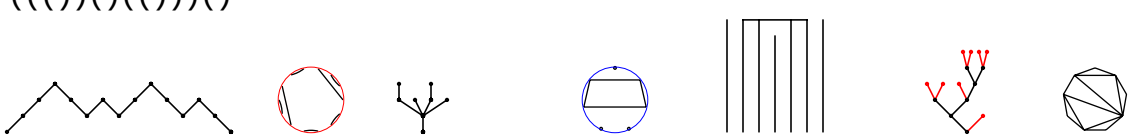

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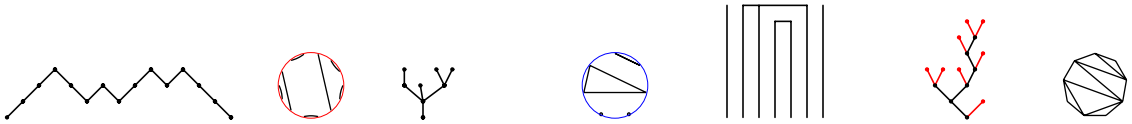

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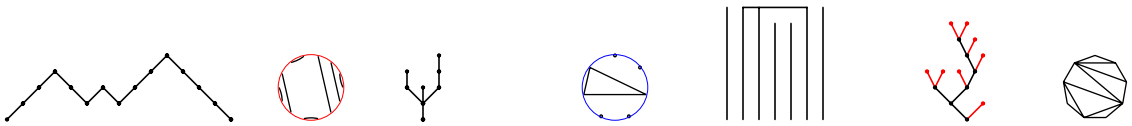

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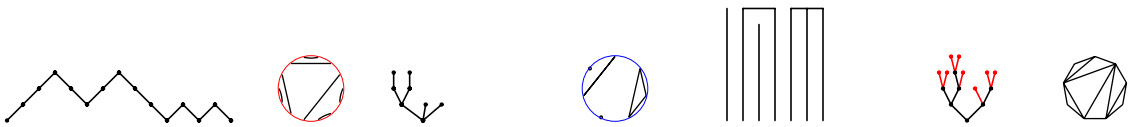

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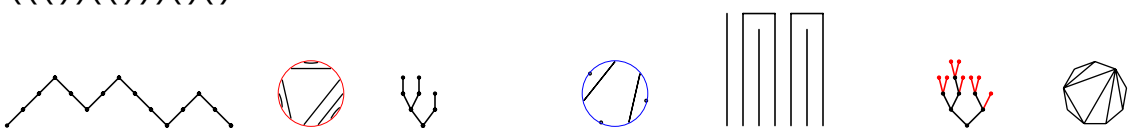

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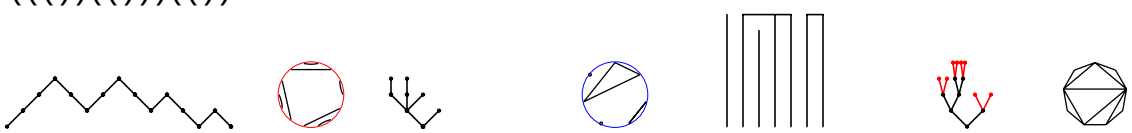

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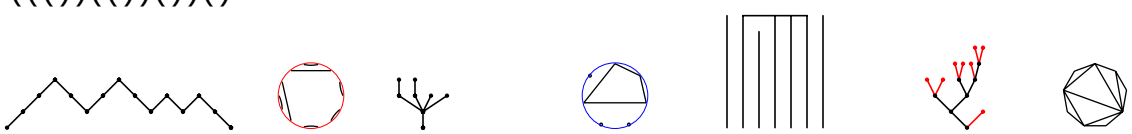

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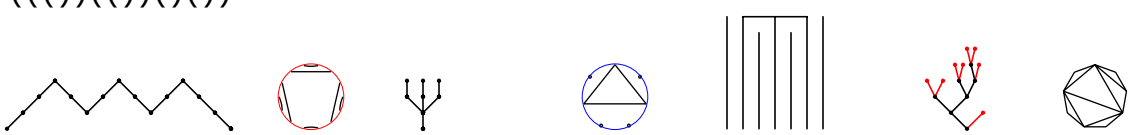

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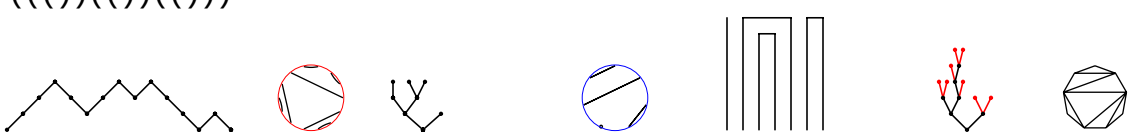

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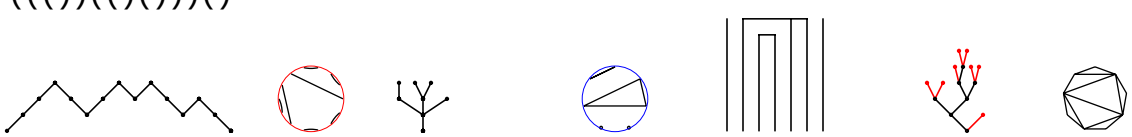

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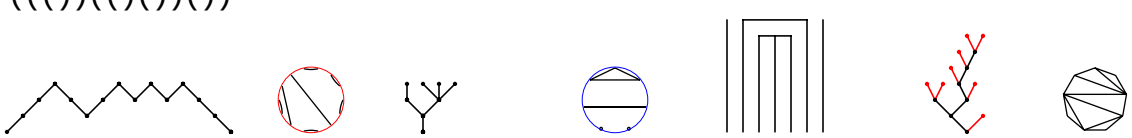

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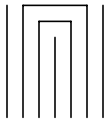
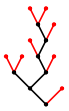

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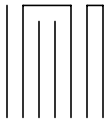

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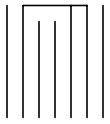

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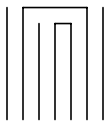

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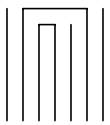
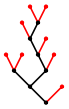

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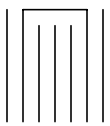
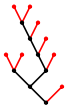

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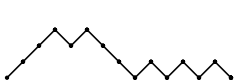

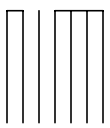

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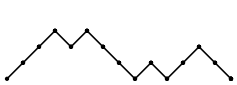

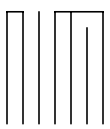
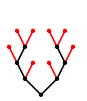

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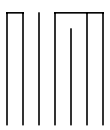
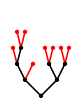

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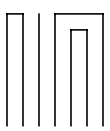
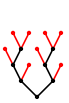

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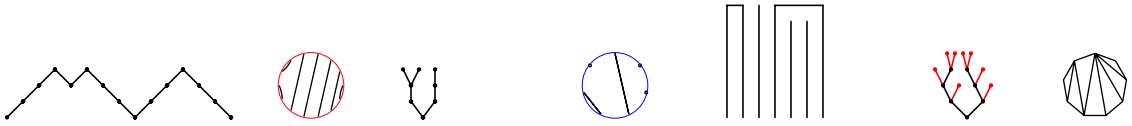

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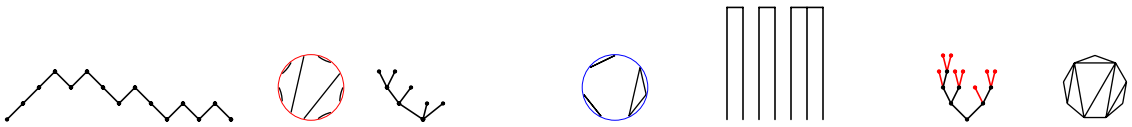

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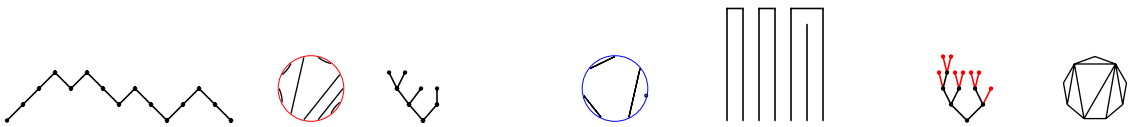

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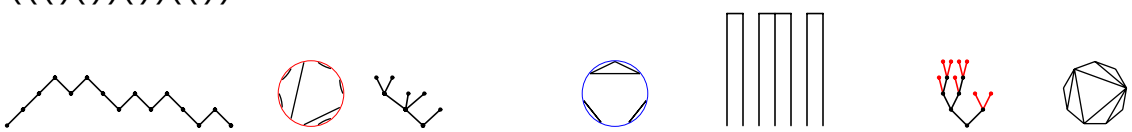

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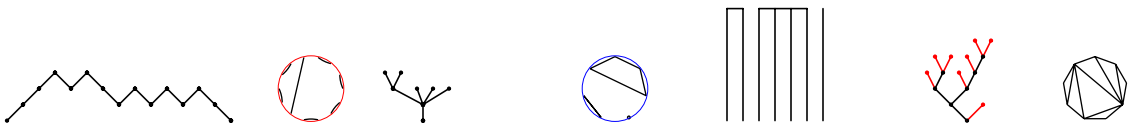

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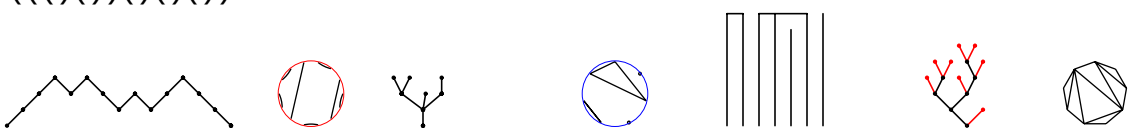

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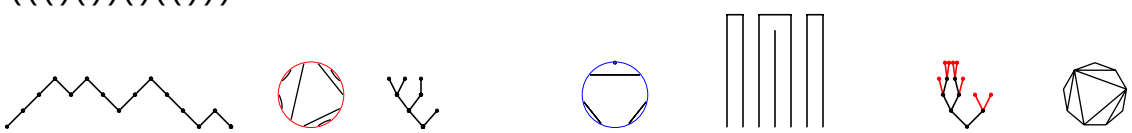

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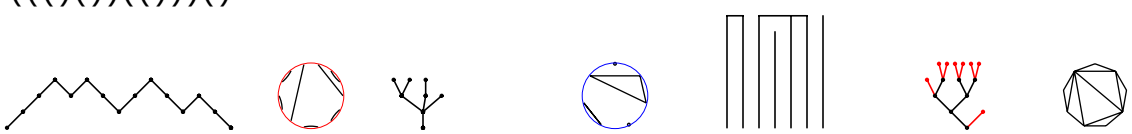

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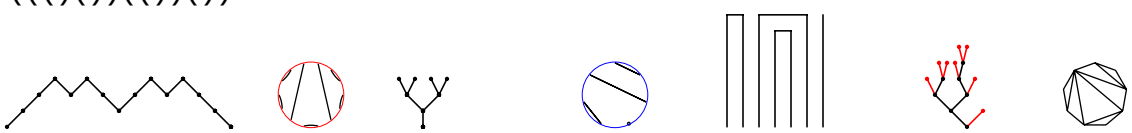

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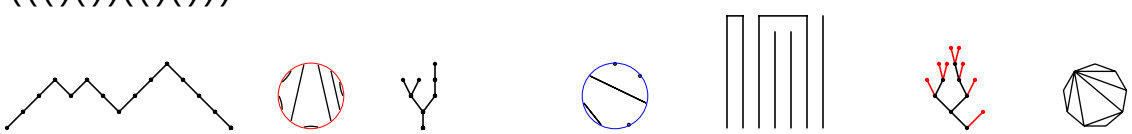

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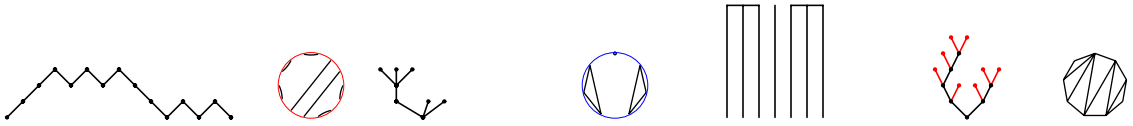

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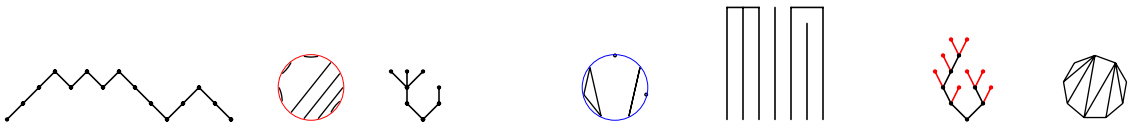

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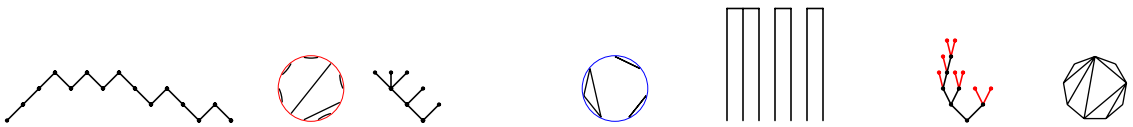

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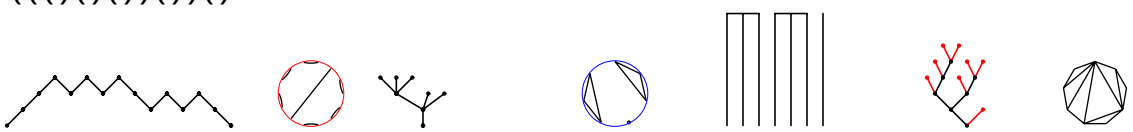

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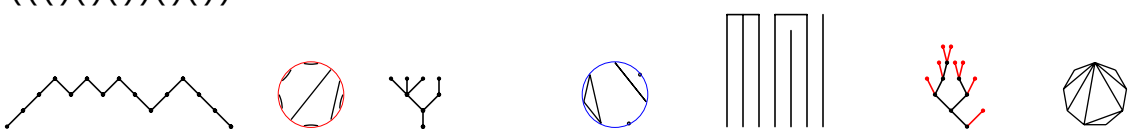

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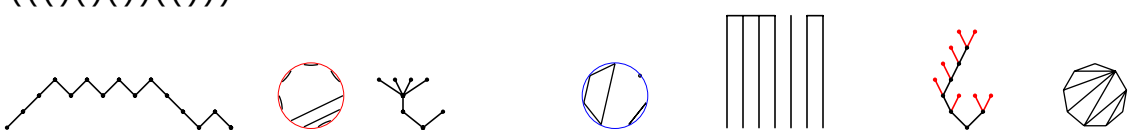

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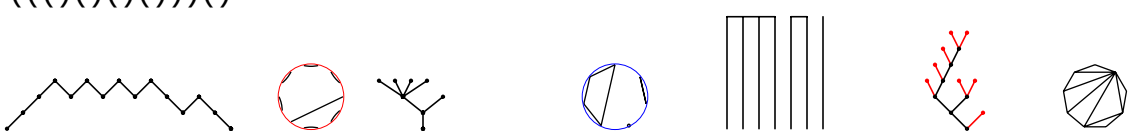

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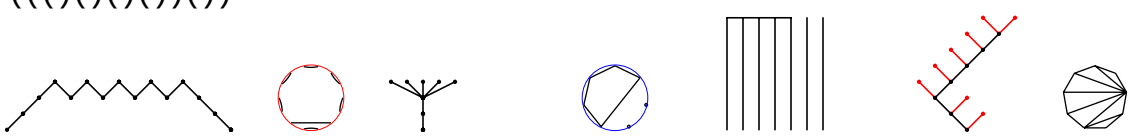

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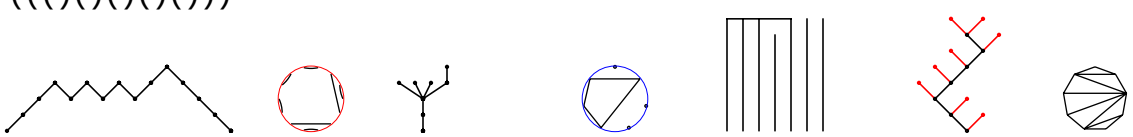

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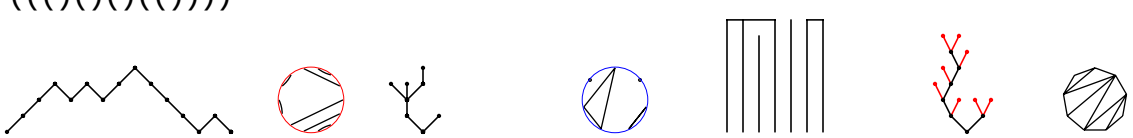

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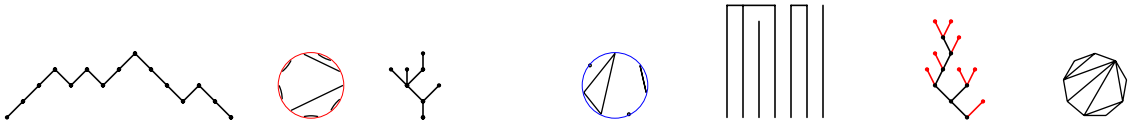

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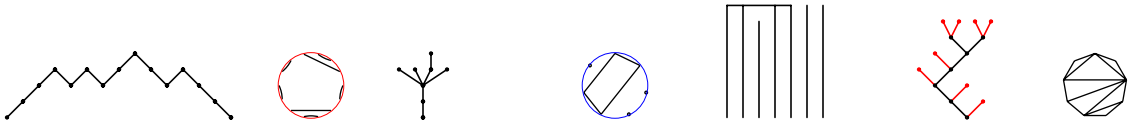

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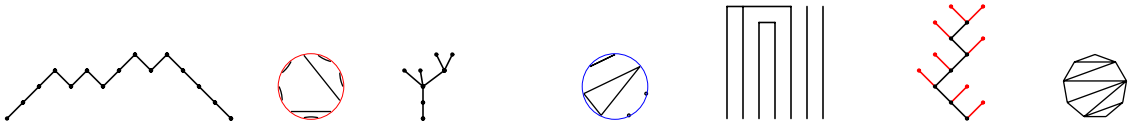

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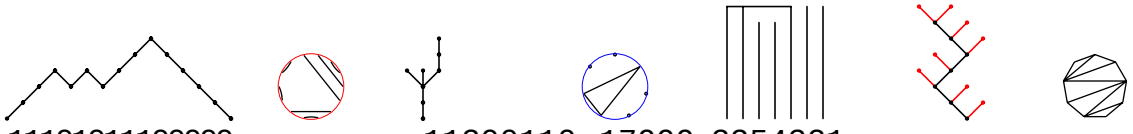

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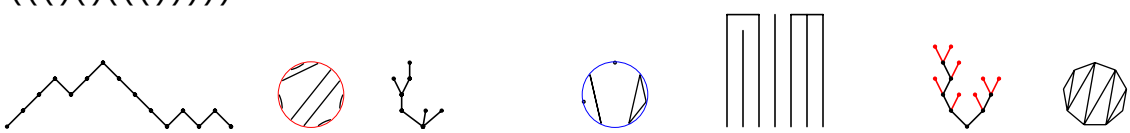

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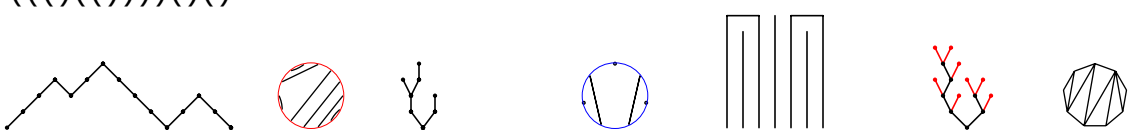

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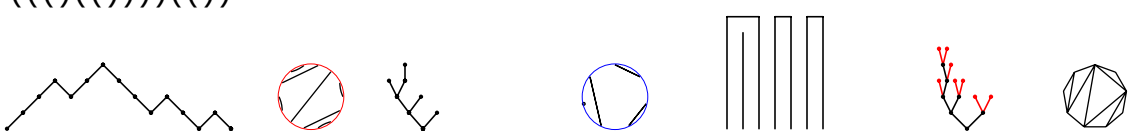

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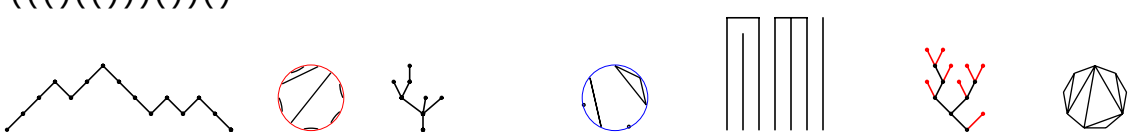

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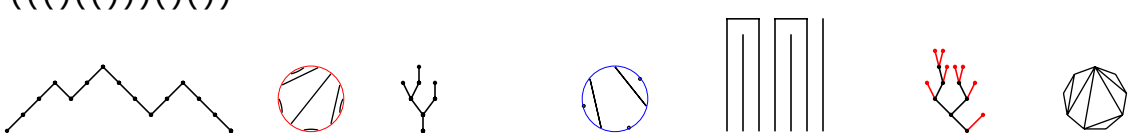

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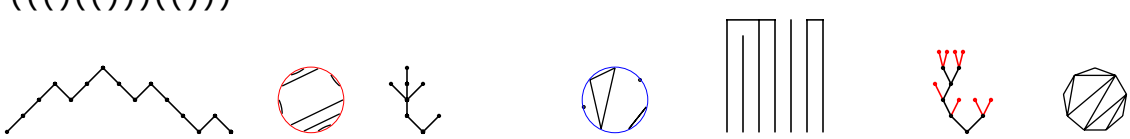

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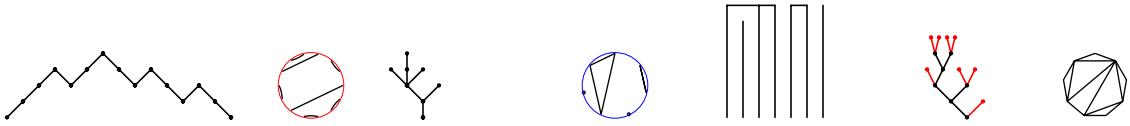

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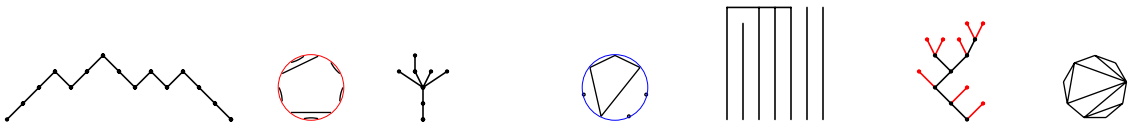

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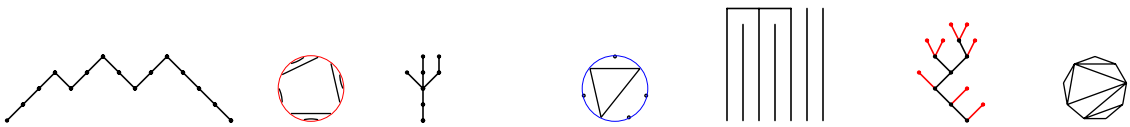

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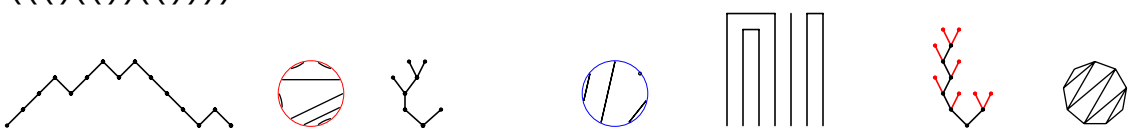

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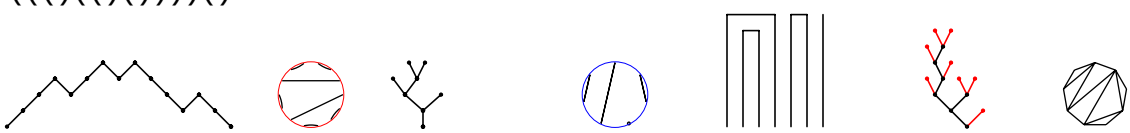

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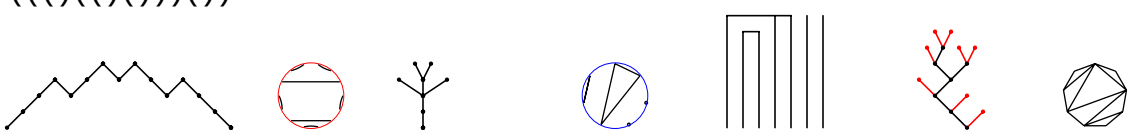

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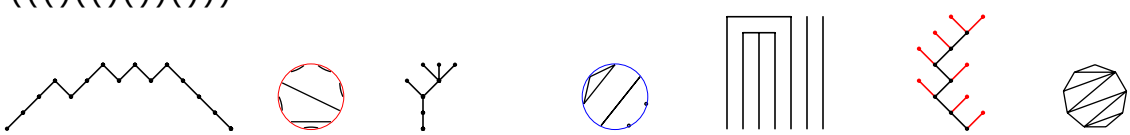

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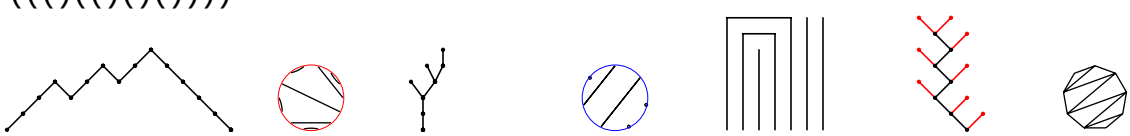

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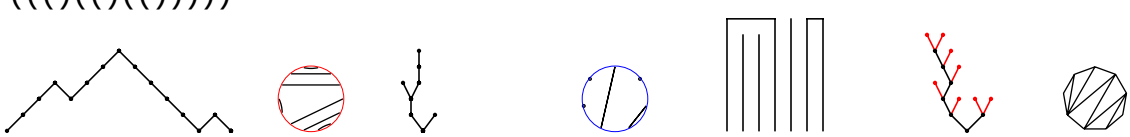

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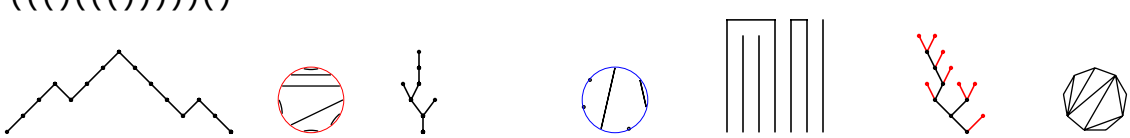

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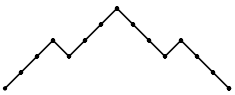

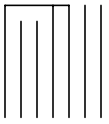
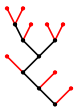

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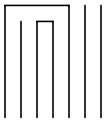
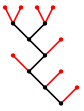

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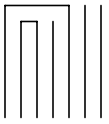
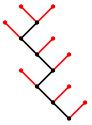

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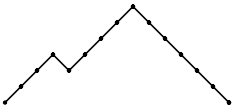

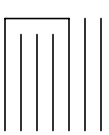
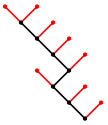

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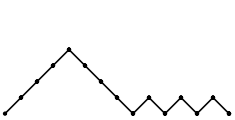

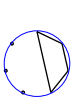
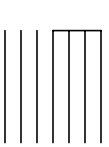

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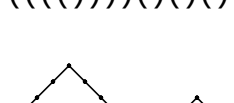

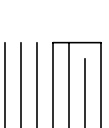

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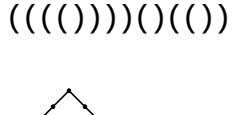

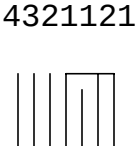

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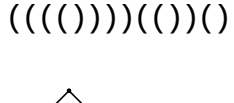

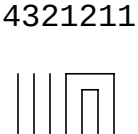

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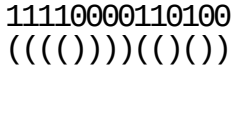

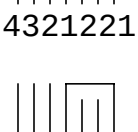

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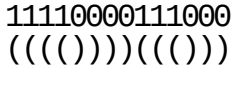

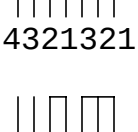

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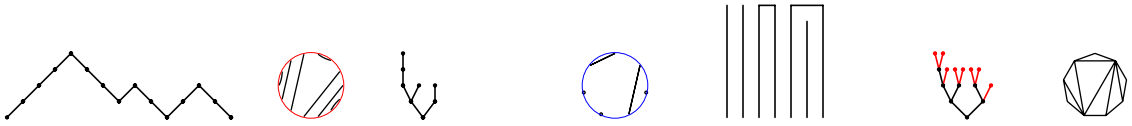

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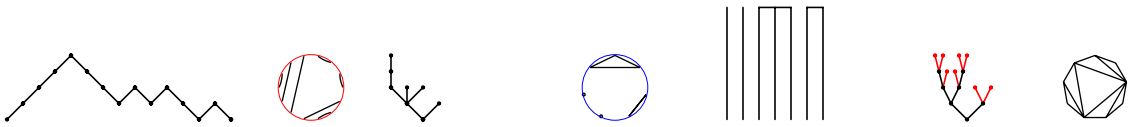

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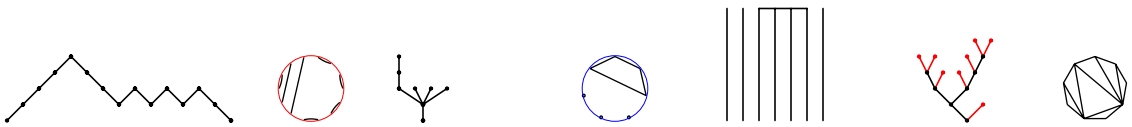

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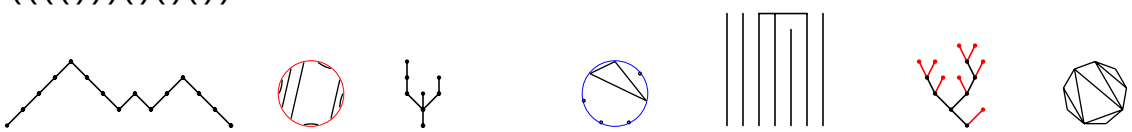

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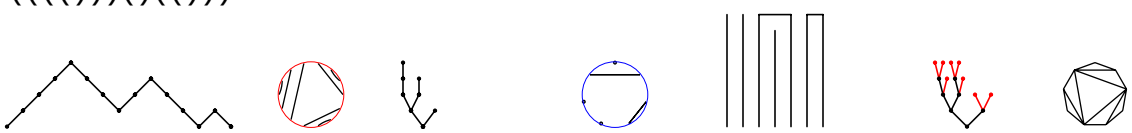

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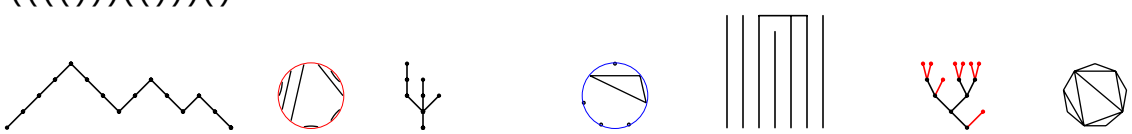

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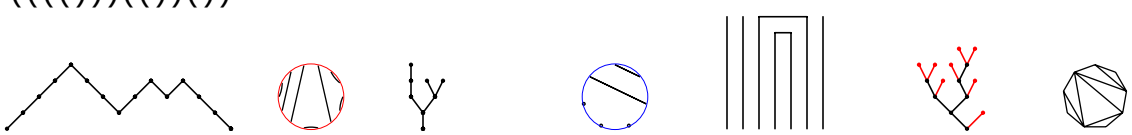

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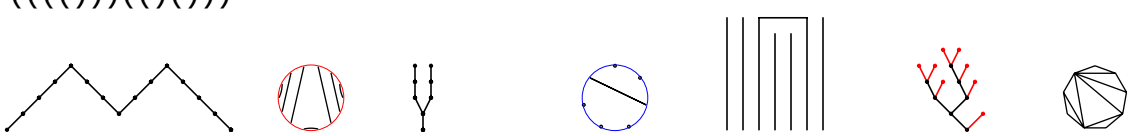

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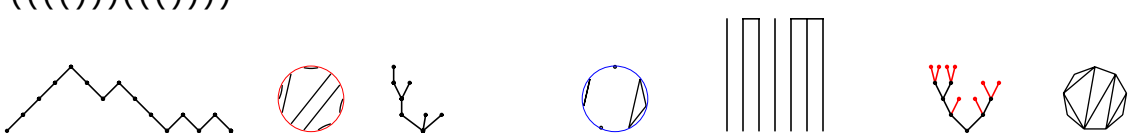

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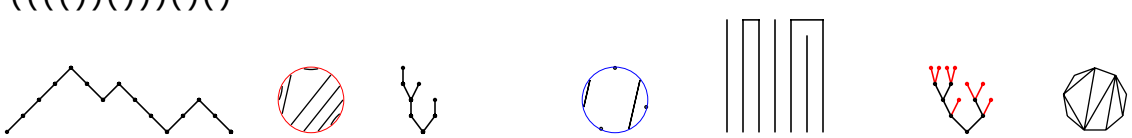

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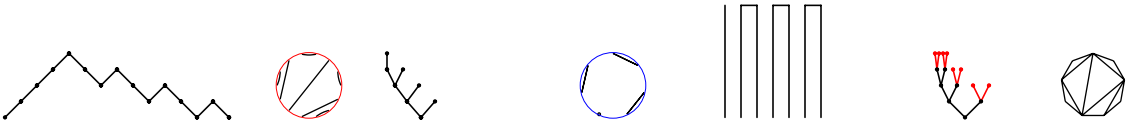

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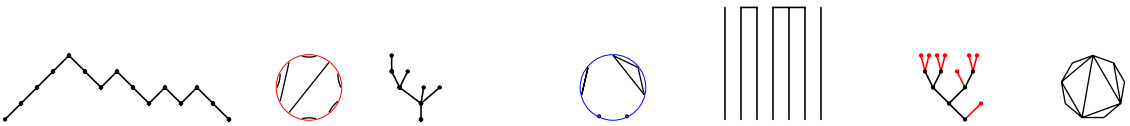

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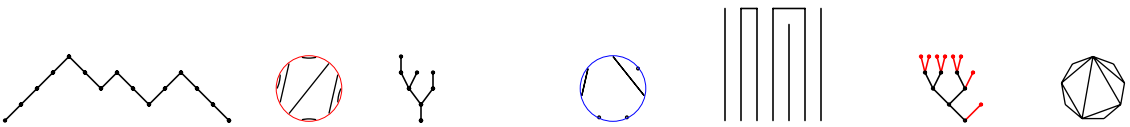

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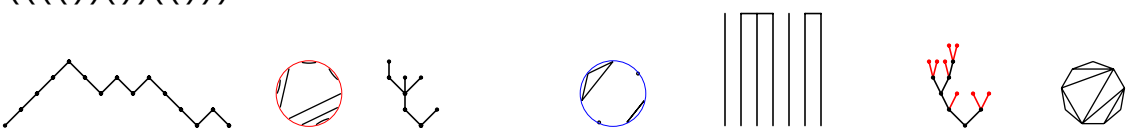

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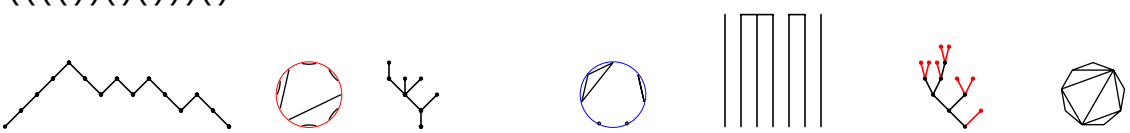

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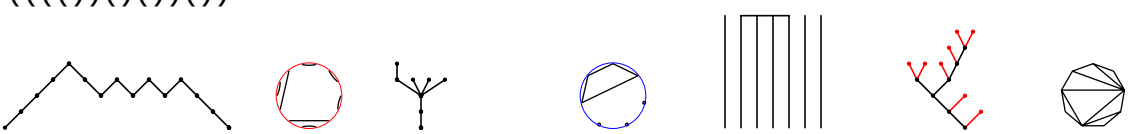

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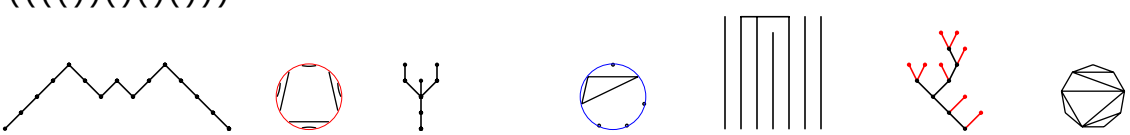

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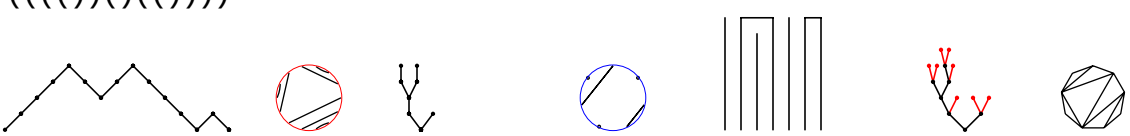

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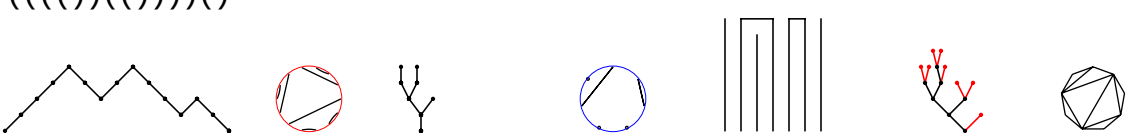

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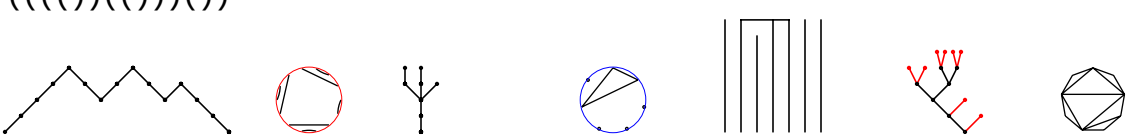

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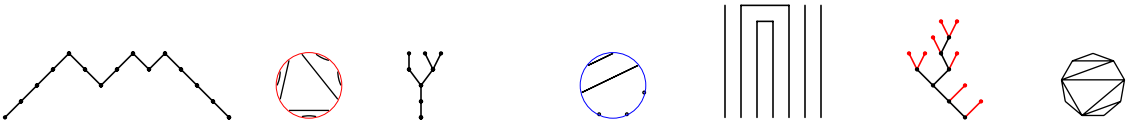

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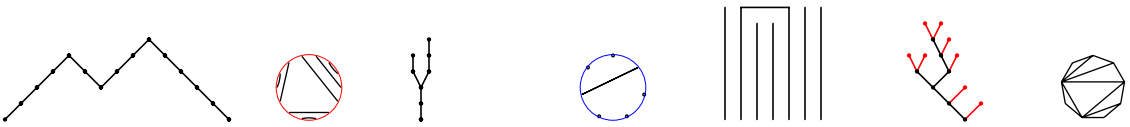

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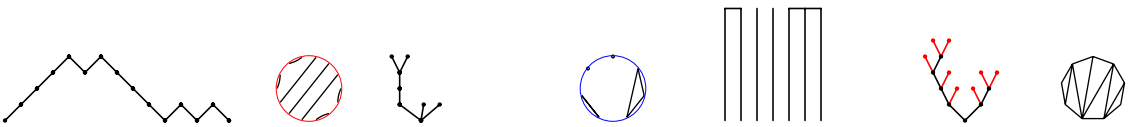

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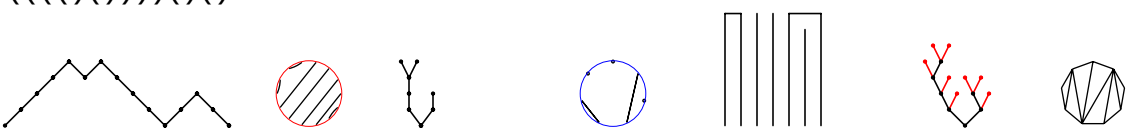

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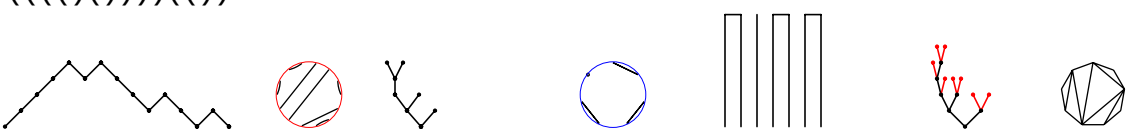

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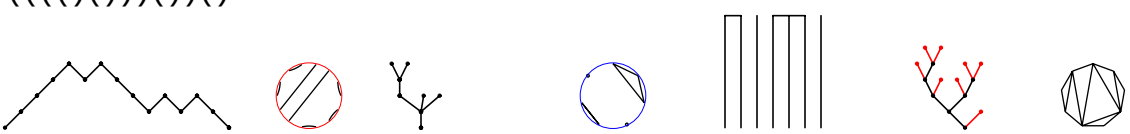

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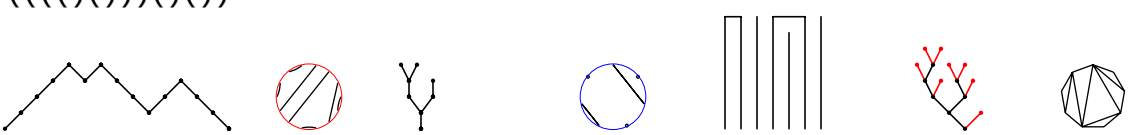

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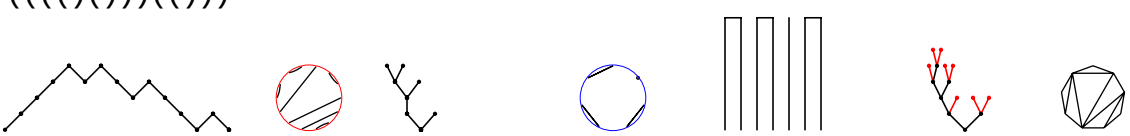

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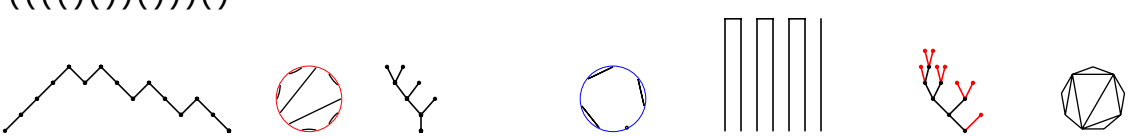

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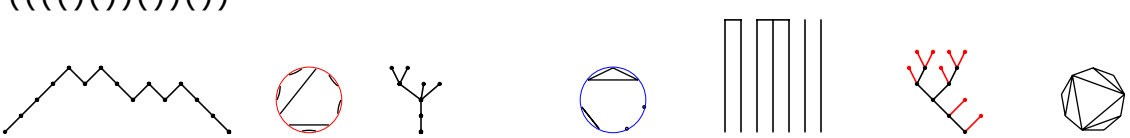

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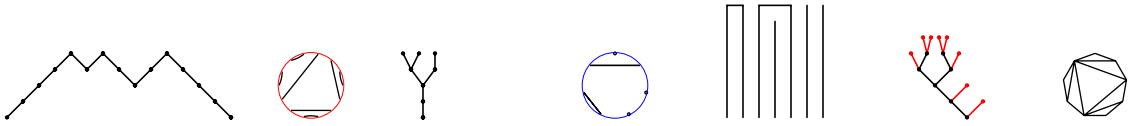

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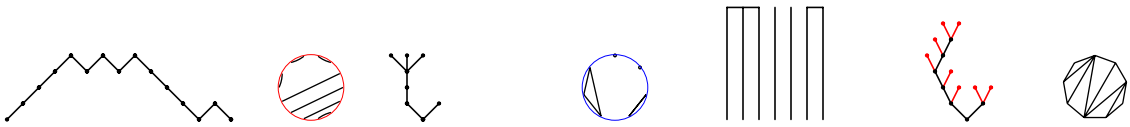

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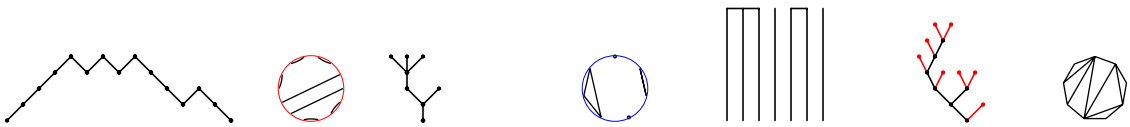

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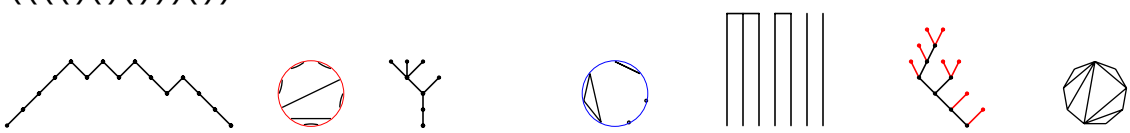

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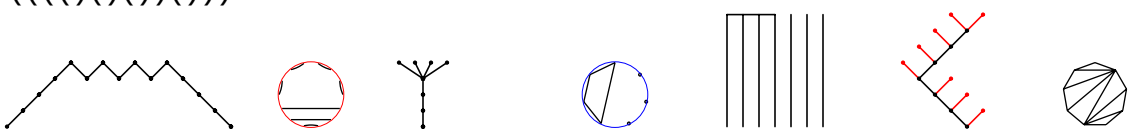

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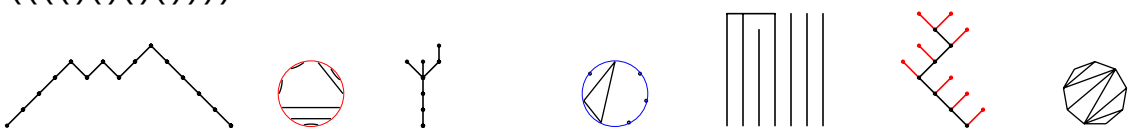

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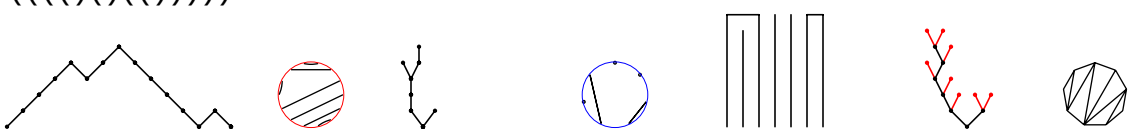

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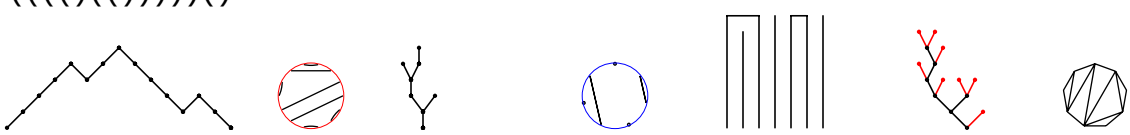

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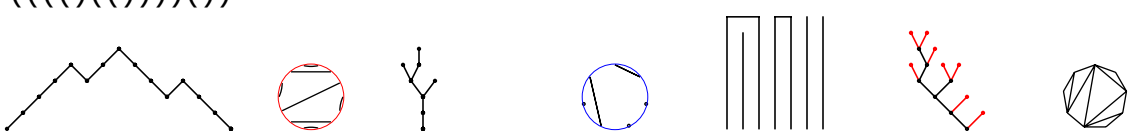

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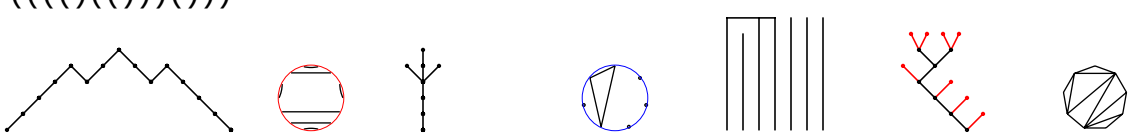

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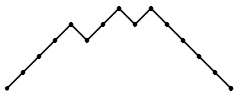

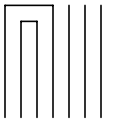
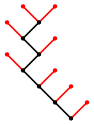

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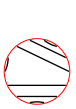

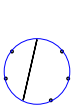
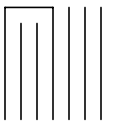

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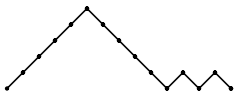

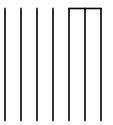

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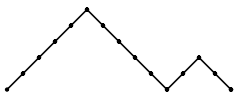

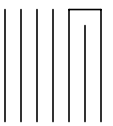

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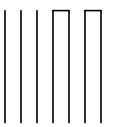

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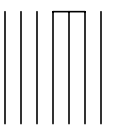

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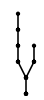

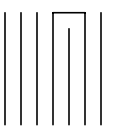
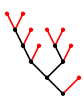

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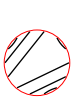

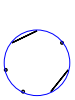
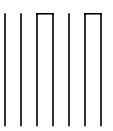
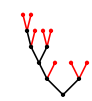

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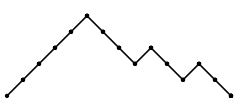
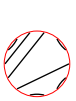

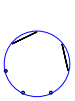
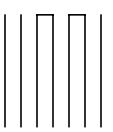
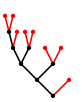

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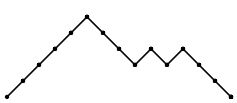
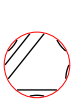

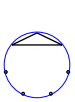
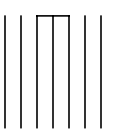
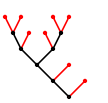

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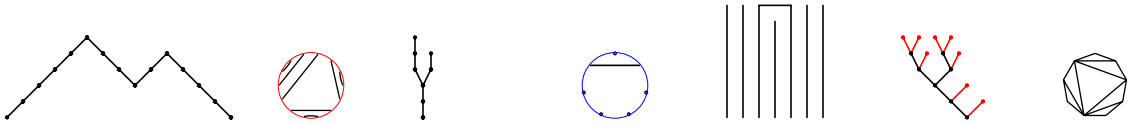

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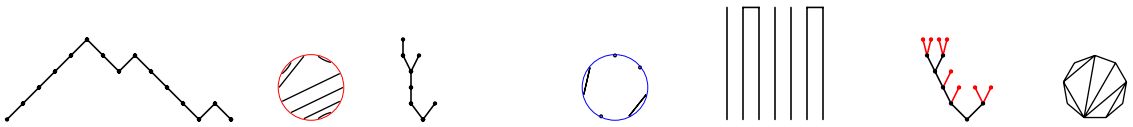

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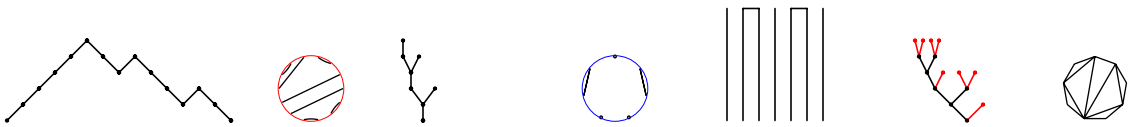

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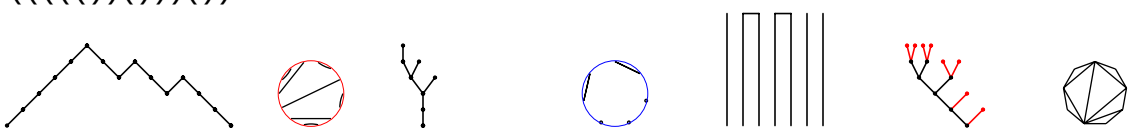

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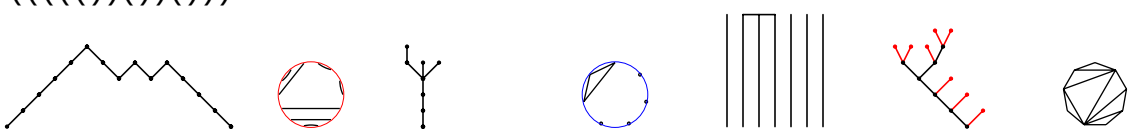

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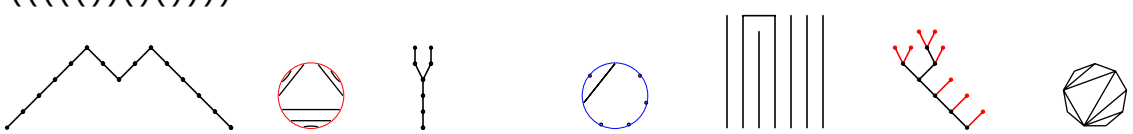

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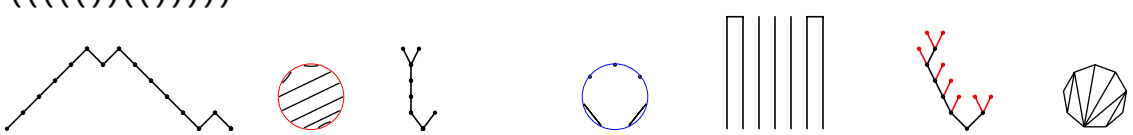

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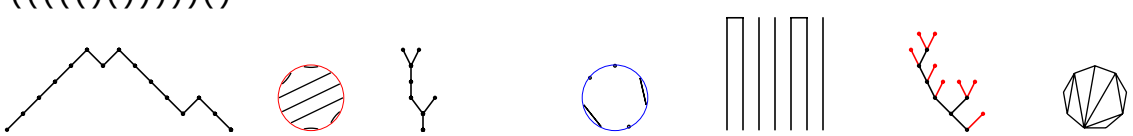

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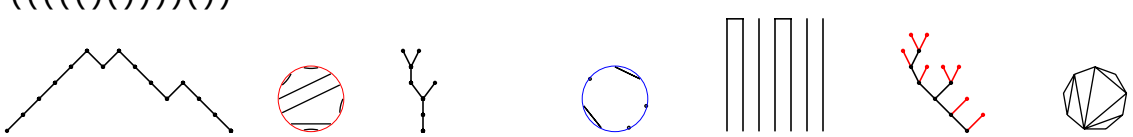

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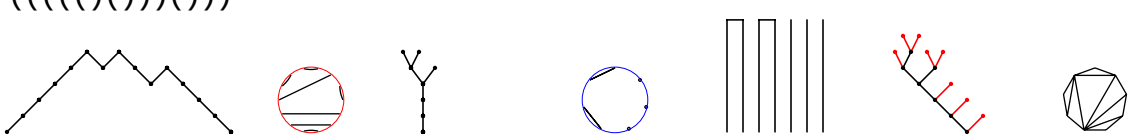

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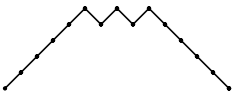

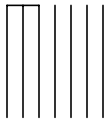

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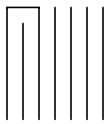

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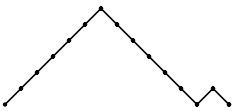

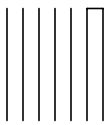
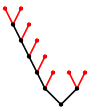

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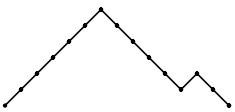

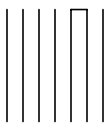

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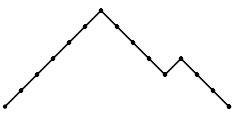

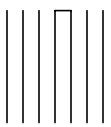

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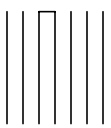
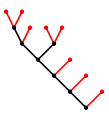

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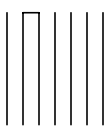
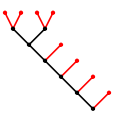

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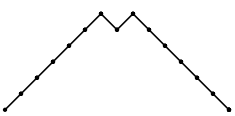

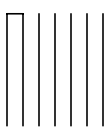
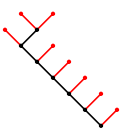

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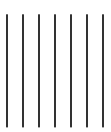
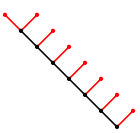

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