
Category 1.1: 1 edge, 1 region, max degree = 1 (1-1-1): 1 homeomorphism class, 1 graph

Homeomorphism class 1.1 (1-1-1): 1 graph

^{1.1.1}
(1-1-1:1)



Category 2.1: 2 edges, 1 region, max degree = 2 (2-1-2): 1 homeomorphism class, 1 graph

Homeomorphism class 2.1 (2-1-2:1): 1 graph

^{2.1.1}
(2-1-2:1:1)



Category 3.1: 3 edges, 1 region, max degree = 2 (3-1-2): 1 homeomorphism class, 1 graph

Homeomorphism class 3.1 (3-1-2:1): 1 graph

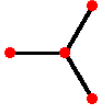
^{3.1.1}
(3-1-2:1:1)



Category 3.2: 3 edges, 1 region, max degree = 3 (3-1-3): 1 homeomorphism class, 1 graph

Homeomorphism class 3.2 (3-1-3:1): 1 graph

^{3.2.2}
(3-1-3:1:1)



Category 3.3: 3 edges, 2 regions, max degree = 2 (3-2-2): 1 homeomorphism class, 1 graph

Homeomorphism class 3.3 (3-2-2:1): 1 graph

^{3.3.3}
(3-2-2:1:1)



Category 4.1: 4 edges, 1 region, max degree = 2 (4-1-2): 1 homeomorphism class, 1 graph

Homeomorphism class 4.1 (4-1-2:1): 1 graph

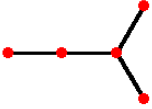
^{4.1.1}
(4-1-2:1:1)



Category 4.2: 4 edges, 1 region, max degree = 3 (4-1-3): 1 homeomorphism class, 1 graph

Homeomorphism class 4.2 (4-1-3:1): 1 graph

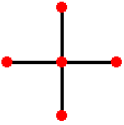
^{4.2.2}
(4-1-3:1:1)



Category 4.3: 4 edges, 1 region, max degree = 4 (4-1-4): 1 homeomorphism class, 1 graph

Homeomorphism class 4.3 (4-1-4:1): 1 graph

^{4.3.3}
(4-1-4:1:1)



Category 4.4: 4 edges, 2 regions, max degree = 2 (4-2-2): 1 homeomorphism class, 1 graph

Homeomorphism class 4.4 (4-2-2:1): 1 graph

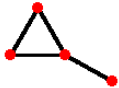
^{4.4.4}
(4-2-2:1:1)



Category 4.5: 4 edges, 2 regions, max degree = 3 (4-2-3): 1 homeomorphism class, 1 graph

Homeomorphism class 4.5 (4-2-3:1): 1 graph

^{4.5.5}
(4-2-3:1:1)



Category 5.1: 5 edges, 1 region, max degree = 2 (5-1-2): 1 homeomorphism class, 1 graph

Homeomorphism class 5.1 (5-1-2:1): 1 graph

^{5.1.1}
(5-1-2:1:1)

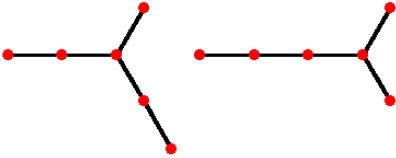


Category 5.2: 5 edges, 1 region, max degree = 3 (5-1-3): 2 homeomorphism classes, 3 graphs

Homeomorphism class 5.2 (5-1-3:1): 2 graphs

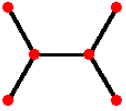
^{5.2.2}
(5-1-3:1:1)

^{5.2.3}
(5-1-3:1:2)



Homeomorphism class 5.3 (5-1-3:2): 1 graph

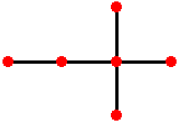
^{5.3.4}
(5-1-3:2:1)



Category 5.3: 5 edges, 1 region, max degree = 4 (5-1-4): 1 homeomorphism class, 1 graph

Homeomorphism class 5.4 (5-1-4:1): 1 graph

^{5.4.5}
(5-1-4:1:1)



Category 5.4: 5 edges, 1 region, max degree = 5 (5-1-5): 1 homeomorphism class, 1 graph

Homeomorphism class 5.5 (5-1-5:1): 1 graph

^{5.5.6}
(5-1-5:1:1)



Category 5.5: 5 edges, 2 regions, max degree = 2 (5-2-2): 1 homeomorphism class, 1 graph

Homeomorphism class 5.6 (5-2-2:1): 1 graph

^{5.6.7}
(5-2-2:1:1)

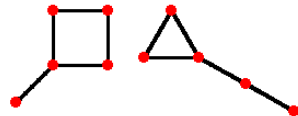


Category 5.6: 5 edges, 2 regions, max degree = 3 (5-2-3): 2 homeomorphism classes, 3 graphs

Homeomorphism class 5.7 (5-2-3:1): 2 graphs

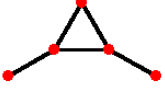
^{5.7.8}
(5-2-3:1:1)

^{5.7.9}
(5-2-3:1:2)



Homeomorphism class 5.8 (5-2-3:2): 1 graph

5.8.10
(5-2-3:2:1)



Category 5.7: 5 edges, 2 regions, max degree = 4 (5-2-4): 1 homeomorphism class, 1 graph

Homeomorphism class 5.9 (5-2-4:1): 1 graph

5.9.11
(5-2-4:1:1)



Category 5.8: 5 edges, 3 regions, max degree = 3 (5-3-3): 1 homeomorphism class, 1 graph

Homeomorphism class 5.10 (5-3-3:1): 1 graph

5.10.12
(5-3-3:1:1)



Category 6.1: 6 edges, 1 region, max degree = 2 (6-1-2): 1 homeomorphism class, 1 graph

Homeomorphism class 6.1 (6-1-2:1): 1 graph

6.1.1
(6-1-2:1:1)



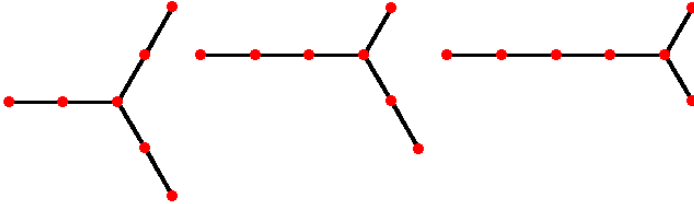
Category 6.2: 6 edges, 1 region, max degree = 3 (6-1-3): 2 homeomorphism classes, 5 graphs

Homeomorphism class 6.2 (6-1-3:1): 3 graphs

6.2.2
(6-1-3:1:1)

6.2.3
(6-1-3:1:2)

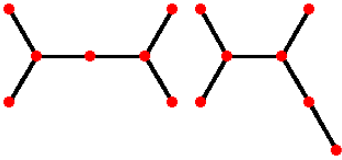
6.2.4
(6-1-3:1:3)



Homeomorphism class 6.3 (6-1-3:2): 2 graphs

6.3.5
(6-1-3:2:1)

6.3.6
(6-1-3:2:2)

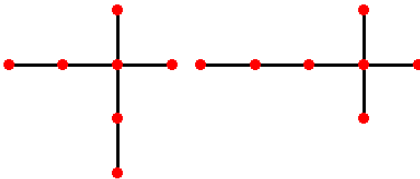


Category 6.3: 6 edges, 1 region, max degree = 4 (6-1-4): 2 homeomorphism classes, 3 graphs

Homeomorphism class 6.4 (6-1-4:1): 2 graphs

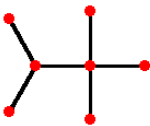
6.4.7
(6-1-4:1:1)

6.4.8
(6-1-4:1:2)



Homeomorphism class 6.5 (6-1-4:2): 1 graph

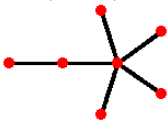
6.5.9
(6-1-4:2:1)



Category 6.4: 6 edges, 1 region, max degree = 5 (6-1-5): 1 homeomorphism class, 1 graph

Homeomorphism class 6.6 (6-1-5:1): 1 graph

6.6.10
(6-1-5:1:1)



Category 6.5: 6 edges, 1 region, max degree = 6 (6-1-6): 1 homeomorphism class, 1 graph

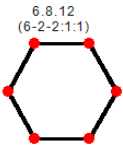
Homeomorphism class 6.7 (6-1-6:1): 1 graph

6.7.11
(6-1-6:1:1)



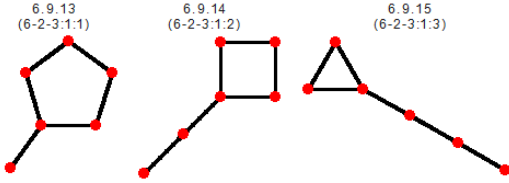
Category 6.6: 6 edges, 2 regions, max degree = 2 (6-2-2): 1 homeomorphism class, 1 graph

Homeomorphism class 6.8 (6-2-2:1): 1 graph

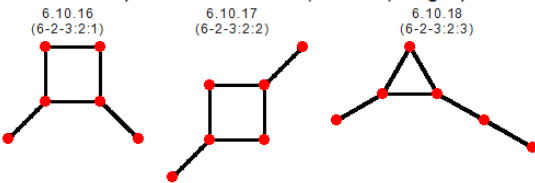


Category 6.7: 6 edges, 2 regions, max degree = 3 (6-2-3): 4 homeomorphism classes, 8 graphs

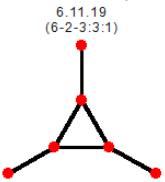
Homeomorphism class 6.9 (6-2-3:1): 3 graphs



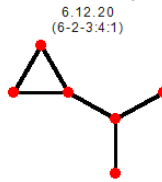
Homeomorphism class 6.10 (6-2-3:2): 3 graphs



Homeomorphism class 6.11 (6-2-3:3): 1 graph

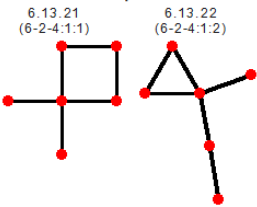


Homeomorphism class 6.12 (6-2-3:4): 1 graph

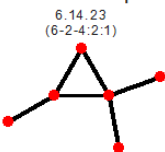


Category 6.8: 6 edges, 2 regions, max degree = 4 (6-2-4): 2 homeomorphism classes, 3 graphs

Homeomorphism class 6.13 (6-2-4:1): 2 graphs

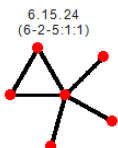


Homeomorphism class 6.14 (6-2-4:2): 1 graph



Category 6.9: 6 edges, 2 regions, max degree = 5 (6-2-5): 1 homeomorphism class, 1 graph

Homeomorphism class 6.15 (6-2-5:1): 1 graph



Category 6.10: 6 edges, 3 regions, max degree = 3 (6-3-3): 2 homeomorphism classes, 2 graphs

Homeomorphism class 6.16 (6-3-3:1): 1 graph

6.16.25
(6-3-3:1:1)



Homeomorphism class 6.17 (6-3-3:2): 1 graph

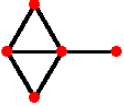
6.17.26
(6-3-3:2:1)



Category 6.11: 6 edges, 3 regions, max degree = 4 (6-3-4): 2 homeomorphism classes, 2 graphs

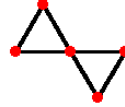
Homeomorphism class 6.18 (6-3-4:1): 1 graph

6.18.27
(6-3-4:1:1)



Homeomorphism class 6.19 (6-3-4:2): 1 graph

6.19.28
(6-3-4:2:1)



Category 7.1: 7 edges, 1 region, max degree = 2 (7-1-2): 1 homeomorphism class, 1 graph

Homeomorphism class 7.1 (7-1-2:1): 1 graph

7.1.1
(7-1-2:1:1)



Category 7.2: 7 edges, 1 region, max degree = 3 (7-1-3): 3 homeomorphism classes, 10 graphs

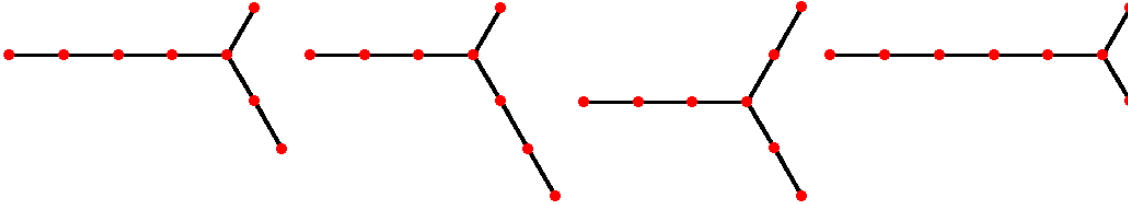
Homeomorphism class 7.2 (7-1-3:1): 4 graphs

7.2.2
(7-1-3:1:1)

7.2.3
(7-1-3:1:2)

7.2.4
(7-1-3:1:3)

7.2.5
(7-1-3:1:4)



Homeomorphism class 7.3 (7-1-3:2): 5 graphs

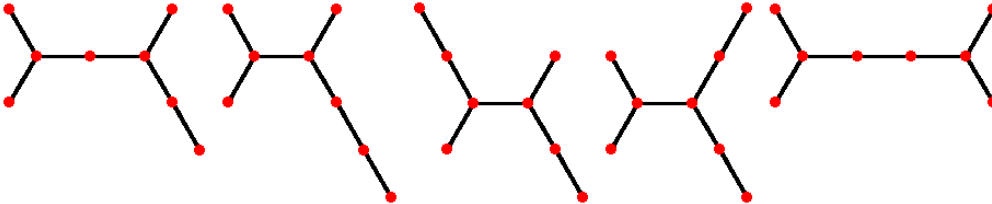
7.3.6
(7-1-3:2:1)

7.3.7
(7-1-3:2:2)

7.3.8
(7-1-3:2:3)

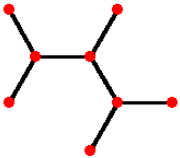
7.3.9
(7-1-3:2:4)

7.3.10
(7-1-3:2:5)



Homeomorphism class 7.4 (7-1-3:3): 1 graph

7.4.11
(7-1-3:3:1)



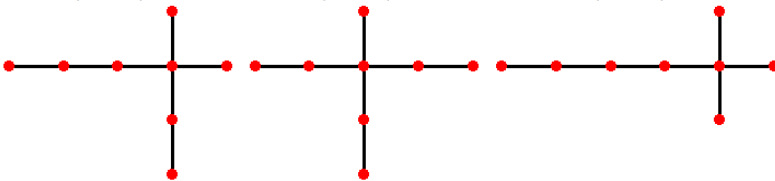
Category 7.3: 7 edges, 1 region, max degree = 4 (7-1-4): 3 homeomorphism classes, 7 graphs

Homeomorphism class 7.5 (7-1-4:1): 3 graphs

7.5.12
(7-1-4:1:1)

7.5.13
(7-1-4:1:2)

7.5.14
(7-1-4:1:3)

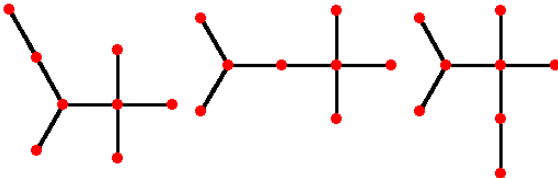


Homeomorphism class 7.6 (7-1-4:2): 3 graphs

7.6.15
(7-1-4:2:1)

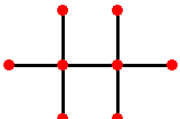
7.6.16
(7-1-4:2:2)

7.6.17
(7-1-4:2:3)



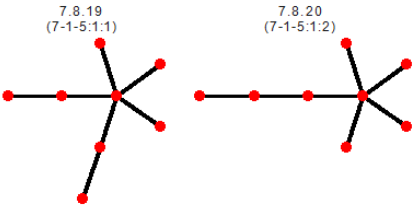
Homeomorphism class 7.7 (7-1-4:3): 1 graph

7.7.18
(7-1-4:3:1)

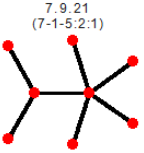


Category 7.4: 7 edges, 1 region, max degree = 5 (7-1-5): 2 homeomorphism classes, 3 graphs

Homeomorphism class 7.8 (7-1-5:1): 2 graphs

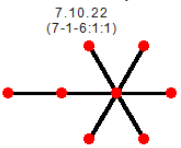


Homeomorphism class 7.9 (7-1-5:2): 1 graph



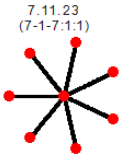
Category 7.5: 7 edges, 1 region, max degree = 6 (7-1-6): 1 homeomorphism class, 1 graph

Homeomorphism class 7.10 (7-1-6:1): 1 graph



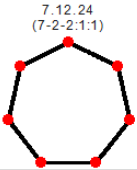
Category 7.6: 7 edges, 1 region, max degree = 7 (7-1-7): 1 homeomorphism class, 1 graph

Homeomorphism class 7.11 (7-1-7:1): 1 graph



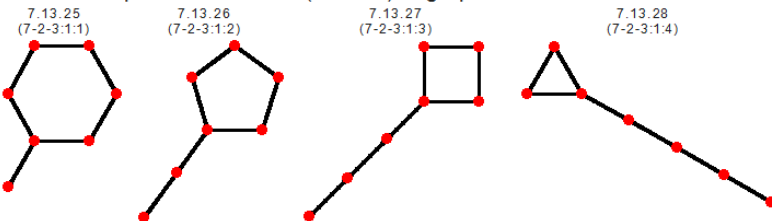
Category 7.7: 7 edges, 2 regions, max degree = 2 (7-2-2): 1 homeomorphism class, 1 graph

Homeomorphism class 7.12 (7-2-2:1): 1 graph

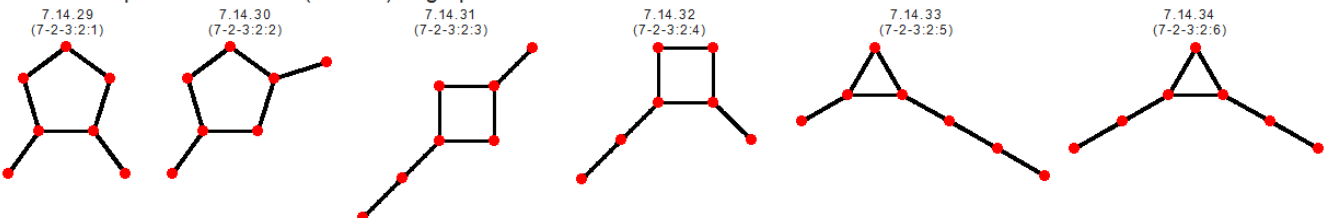


Category 7.8: 7 edges, 2 regions, max degree = 3 (7-2-3): 5 homeomorphism classes, 16 graphs

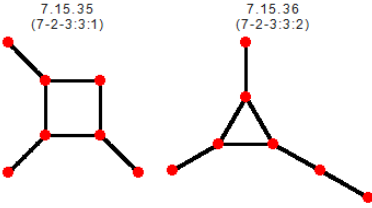
Homeomorphism class 7.13 (7-2-3:1): 4 graphs



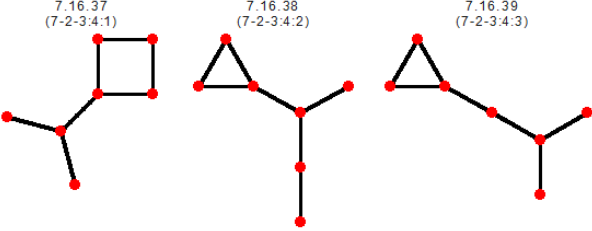
Homeomorphism class 7.14 (7-2-3:2): 6 graphs



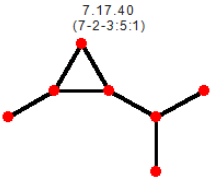
Homeomorphism class 7.15 (7-2-3:3): 2 graphs



Homeomorphism class 7.16 (7-2-3:4): 3 graphs

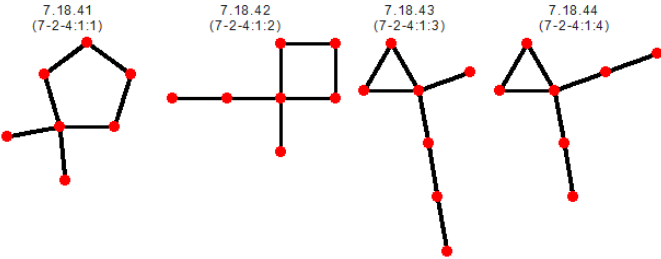


Homeomorphism class 7.17 (7-2-3:5): 1 graph

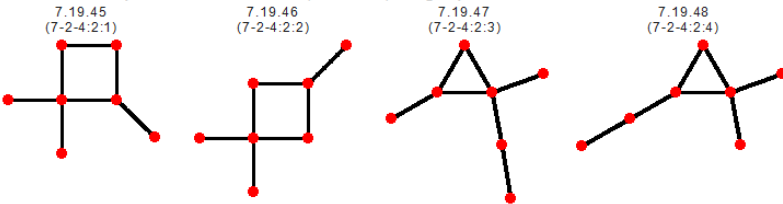


Category 7.9: 7 edges, 2 regions, max degree = 4 (7-2-4): 6 homeomorphism classes, 12 graphs

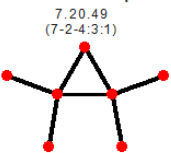
Homeomorphism class 7.18 (7-2-4:1): 4 graphs



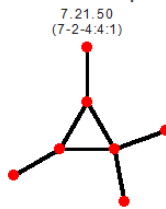
Homeomorphism class 7.19 (7-2-4:2): 4 graphs



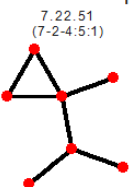
Homeomorphism class 7.20 (7-2-4:3): 1 graph



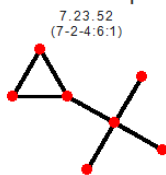
Homeomorphism class 7.21 (7-2-4:4): 1 graph



Homeomorphism class 7.22 (7-2-4:5): 1 graph

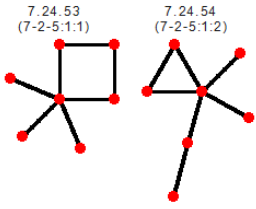


Homeomorphism class 7.23 (7-2-4:6): 1 graph

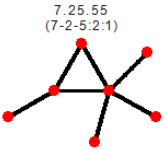


Category 7.10: 7 edges, 2 regions, max degree = 5 (7-2-5): 2 homeomorphism classes, 3 graphs

Homeomorphism class 7.24 (7-2-5:1): 2 graphs

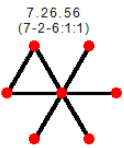


Homeomorphism class 7.25 (7-2-5:2): 1 graph



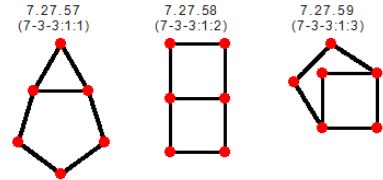
Category 7.11: 7 edges, 2 regions, max degree = 6 (7-2-6): 1 homeomorphism class, 1 graph

Homeomorphism class 7.26 (7-2-6:1): 1 graph

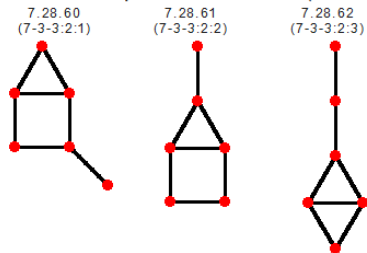


Category 7.12: 7 edges, 3 regions, max degree = 3 (7-3-3): 4 homeomorphism classes, 8 graphs

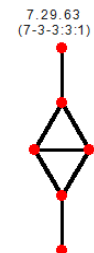
Homeomorphism class 7.27 (7-3-3:1): 3 graphs



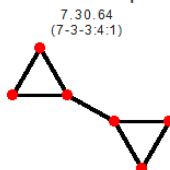
Homeomorphism class 7.28 (7-3-3:2): 3 graphs



Homeomorphism class 7.29 (7-3-3:3): 1 graph

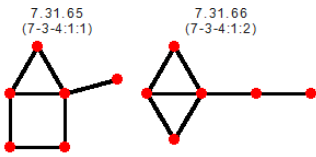


Homeomorphism class 7.30 (7-3-3:4): 1 graph

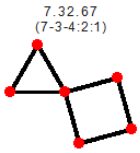


Category 7.13: 7 edges, 3 regions, max degree = 4 (7-3-4): 6 homeomorphism classes, 7 graphs

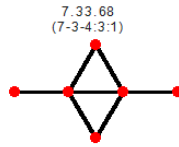
Homeomorphism class 7.31 (7-3-4:1): 2 graphs



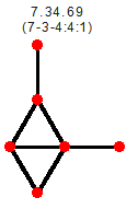
Homeomorphism class 7.32 (7-3-4:2): 1 graph



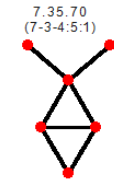
Homeomorphism class 7.33 (7-3-4:3): 1 graph



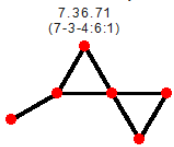
Homeomorphism class 7.34 (7-3-4:4): 1 graph



Homeomorphism class 7.35 (7-3-4:5): 1 graph

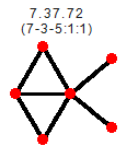


Homeomorphism class 7.36 (7-3-4:6): 1 graph

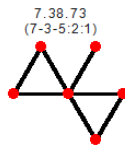


Category 7.14: 7 edges, 3 regions, max degree = 5 (7-3-5): 2 homeomorphism classes, 2 graphs

Homeomorphism class 7.37 (7-3-5:1): 1 graph

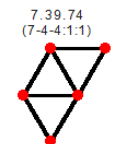


Homeomorphism class 7.38 (7-3-5:2): 1 graph



Category 7.15: 7 edges, 4 regions, max degree = 4 (7-4-4): 1 homeomorphism class, 1 graph

Homeomorphism class 7.39 (7-4-4:1): 1 graph



Category 8.1: 8 edges, 1 region, max degree = 2 (8-1-2): 1 homeomorphism class, 1 graph

Homeomorphism class 8.1 (8-1-2:1): 1 graph

8.1.1
(8-1-2:1.1)



Category 8.2: 8 edges, 1 region, max degree = 3 (8-1-3): 3 homeomorphism classes, 17 graphs

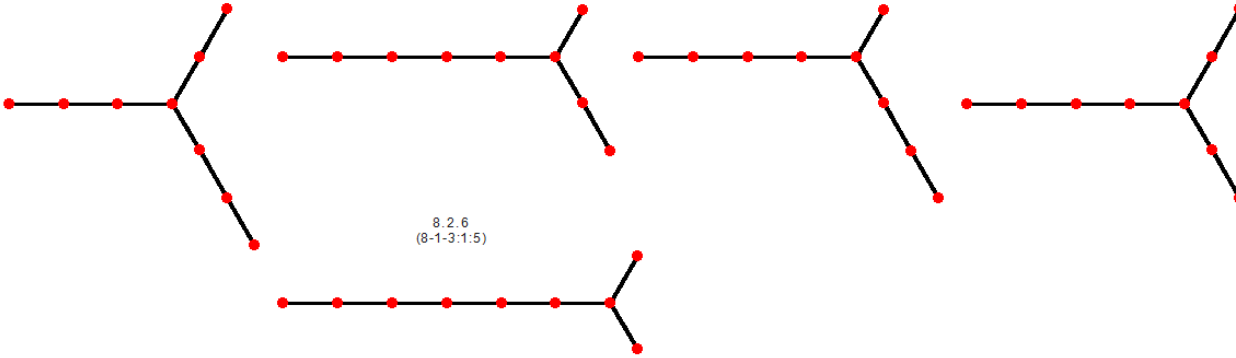
Homeomorphism class 8.2 (8-1-3:1): 5 graphs

8.2.2
(8-1-3:1.1)

8.2.3
(8-1-3:1.2)

8.2.4
(8-1-3:1.3)

8.2.5
(8-1-3:1.4)



8.2.6
(8-1-3:1.5)

Homeomorphism class 8.3 (8-1-3:2): 9 graphs

8.3.7
(8-1-3:2.1)

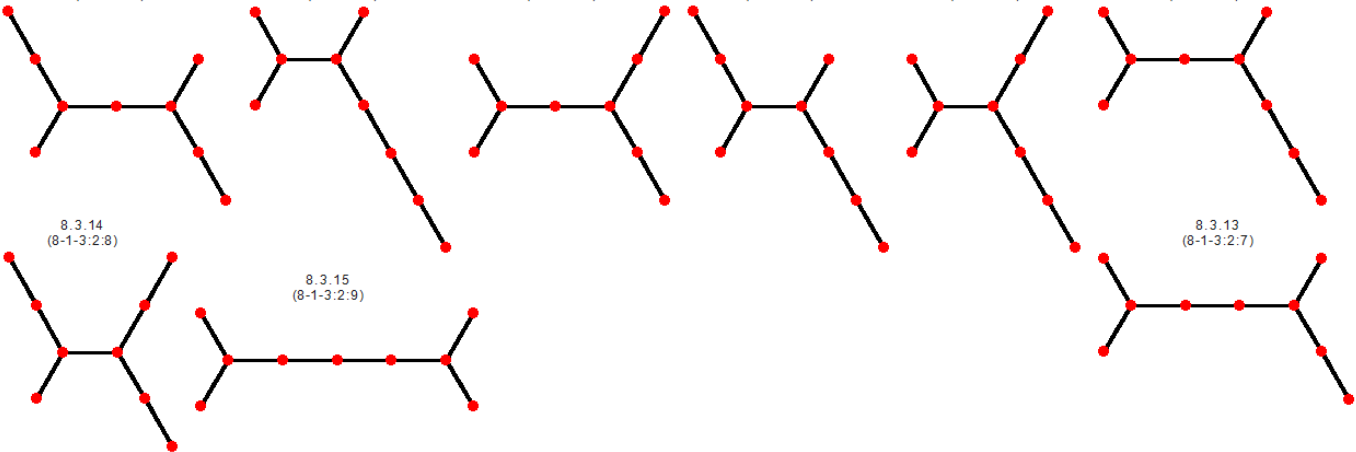
8.3.8
(8-1-3:2.2)

8.3.9
(8-1-3:2.3)

8.3.10
(8-1-3:2.4)

8.3.11
(8-1-3:2.5)

8.3.12
(8-1-3:2.6)



8.3.14
(8-1-3:2.8)

8.3.15
(8-1-3:2.9)

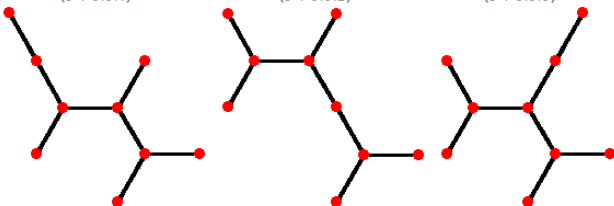
8.3.13
(8-1-3:2.7)

Homeomorphism class 8.4 (8-1-3:3): 3 graphs

8.4.16
(8-1-3:3.1)

8.4.17
(8-1-3:3.2)

8.4.18
(8-1-3:3.3)



Category 8.3: 8 edges, 1 region, max degree = 4 (8-1-4): 5 homeomorphism classes, 17 graphs

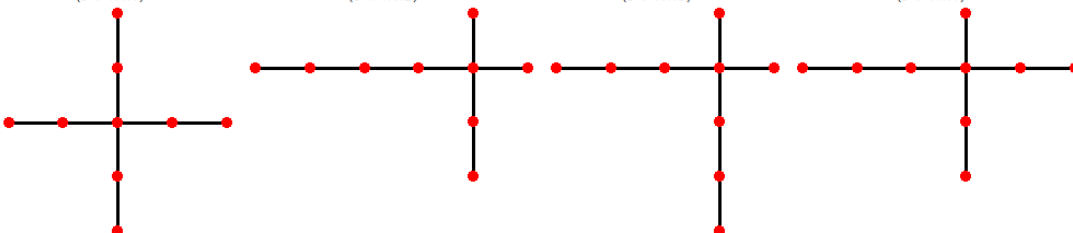
Homeomorphism class 8.5 (8-1-4:1): 5 graphs

8.5.19
(8-1-4:1.1)

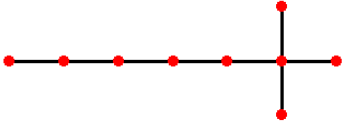
8.5.20
(8-1-4:1.2)

8.5.21
(8-1-4:1.3)

8.5.22
(8-1-4:1.4)

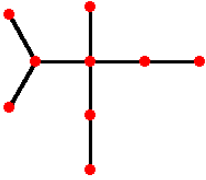


8.5.23
(8-1-4:1:5)

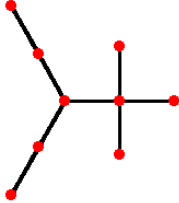


Homeomorphism class 8.6 (8-1-4:2): 8 graphs

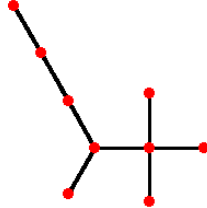
8.6.24
(8-1-4:2:1)



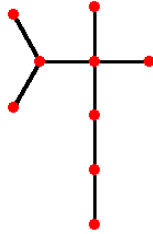
8.6.25
(8-1-4:2:2)



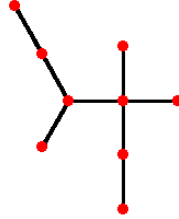
8.6.26
(8-1-4:2:3)



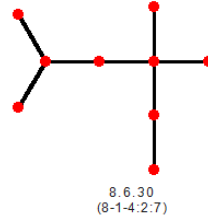
8.6.27
(8-1-4:2:4)



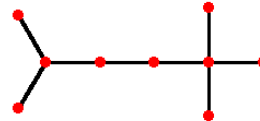
8.6.28
(8-1-4:2:5)



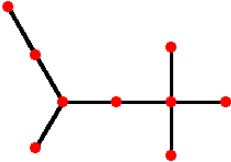
8.6.29
(8-1-4:2:6)



8.6.30
(8-1-4:2:7)

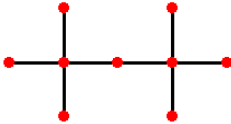


8.6.31
(8-1-4:2:8)

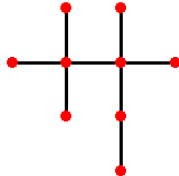


Homeomorphism class 8.7 (8-1-4:3): 2 graphs

8.7.32
(8-1-4:3:1)

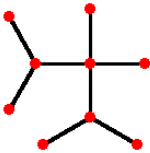


8.7.33
(8-1-4:3:2)



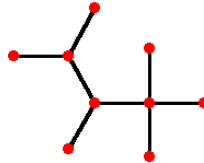
Homeomorphism class 8.8 (8-1-4:4): 1 graph

8.8.34
(8-1-4:4:1)



Homeomorphism class 8.9 (8-1-4:5): 1 graph

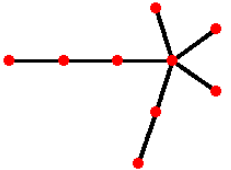
8.9.35
(8-1-4:5:1)



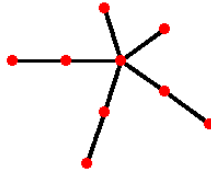
Category 8.4: 8 edges, 1 region, max degree = 5 (8-1-5): 3 homeomorphism classes, 7 graphs

Homeomorphism class 8.10 (8-1-5:1): 3 graphs

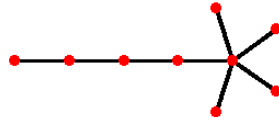
8.10.36
(8-1-5:1:1)



8.10.37
(8-1-5:1:2)

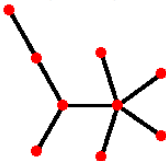


8.10.38
(8-1-5:1:3)

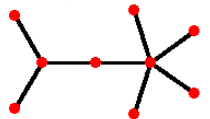


Homeomorphism class 8.11 (8-1-5:2): 3 graphs

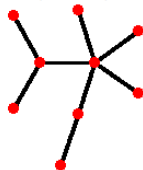
8.11.39
(8-1-5:2:1)



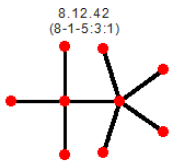
8.11.40
(8-1-5:2:2)



8.11.41
(8-1-5:2:3)

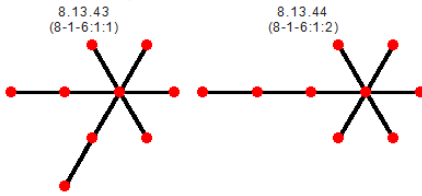


Homeomorphism class 8.12 (8-1-5:3): 1 graph

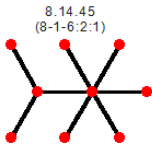


Category 8.5: 8 edges, 1 region, max degree = 6 (8-1-6): 2 homeomorphism classes, 3 graphs

Homeomorphism class 8.13 (8-1-6:1): 2 graphs

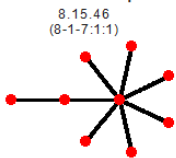


Homeomorphism class 8.14 (8-1-6:2): 1 graph



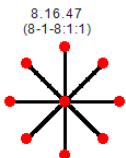
Category 8.6: 8 edges, 1 region, max degree = 7 (8-1-7): 1 homeomorphism class, 1 graph

Homeomorphism class 8.15 (8-1-7:1): 1 graph



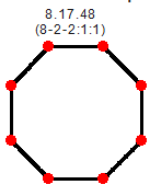
Category 8.7: 8 edges, 1 region, max degree = 8 (8-1-8): 1 homeomorphism class, 1 graph

Homeomorphism class 8.16 (8-1-8:1): 1 graph



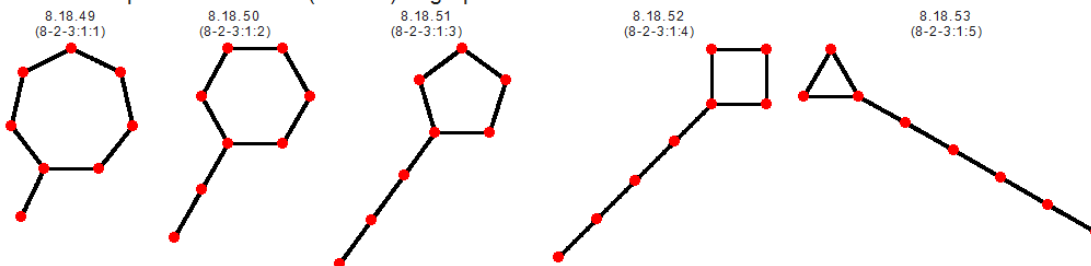
Category 8.8: 8 edges, 2 regions, max degree = 2 (8-2-2): 1 homeomorphism class, 1 graph

Homeomorphism class 8.17 (8-2-2:1): 1 graph

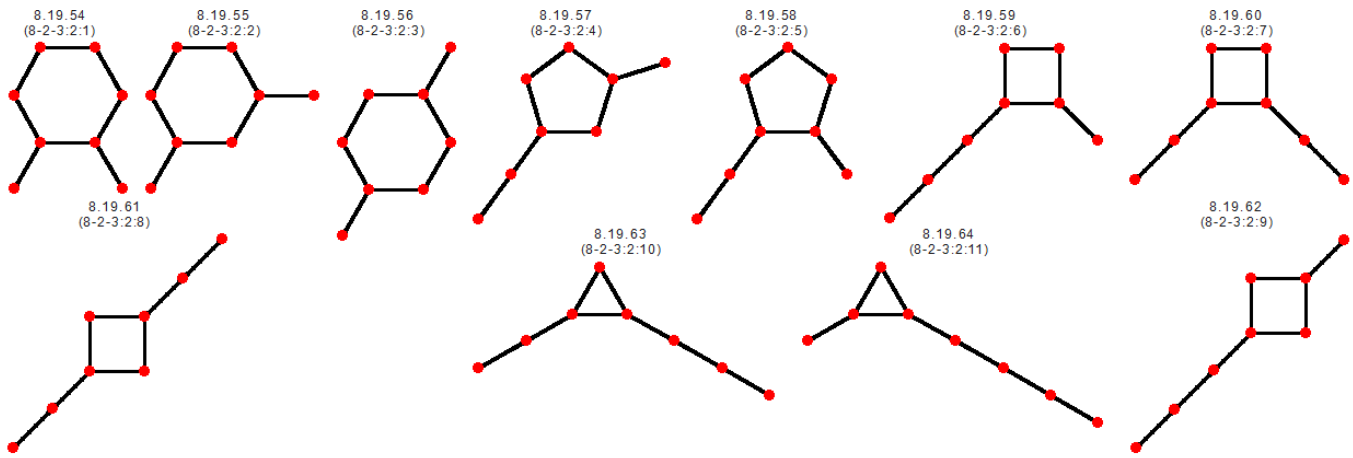


Category 8.9: 8 edges, 2 regions, max degree = 3 (8-2-3): 8 homeomorphism classes, 37 graphs

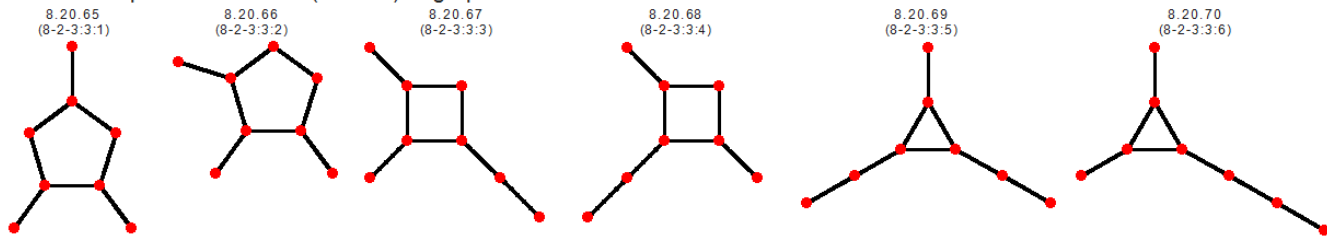
Homeomorphism class 8.18 (8-2-3:1): 5 graphs



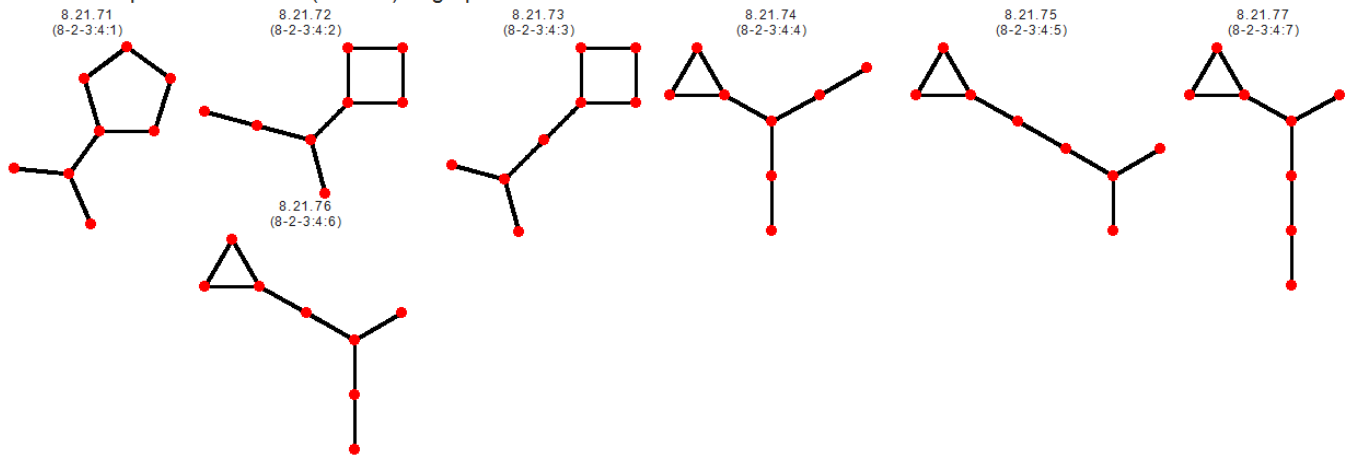
Homeomorphism class 8.19 (8-2-3:2): 11 graphs



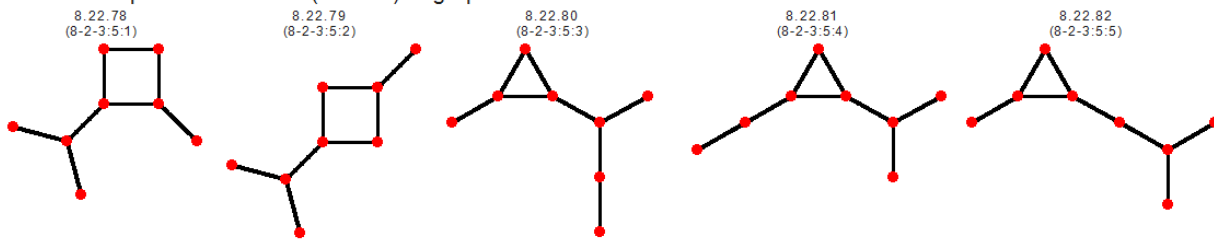
Homeomorphism class 8.20 (8-2-3:3): 6 graphs



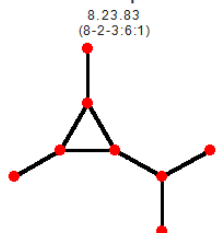
Homeomorphism class 8.21 (8-2-3:4): 7 graphs



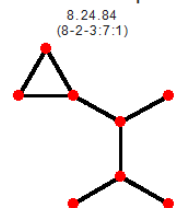
Homeomorphism class 8.22 (8-2-3:5): 5 graphs



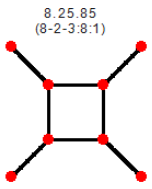
Homeomorphism class 8.23 (8-2-3:6): 1 graph



Homeomorphism class 8.24 (8-2-3:7): 1 graph

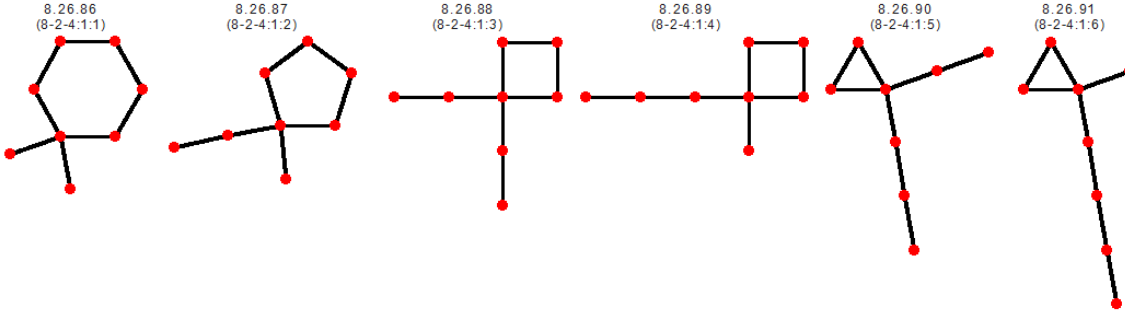


Homeomorphism class 8.25 (8-2-3:8): 1 graph

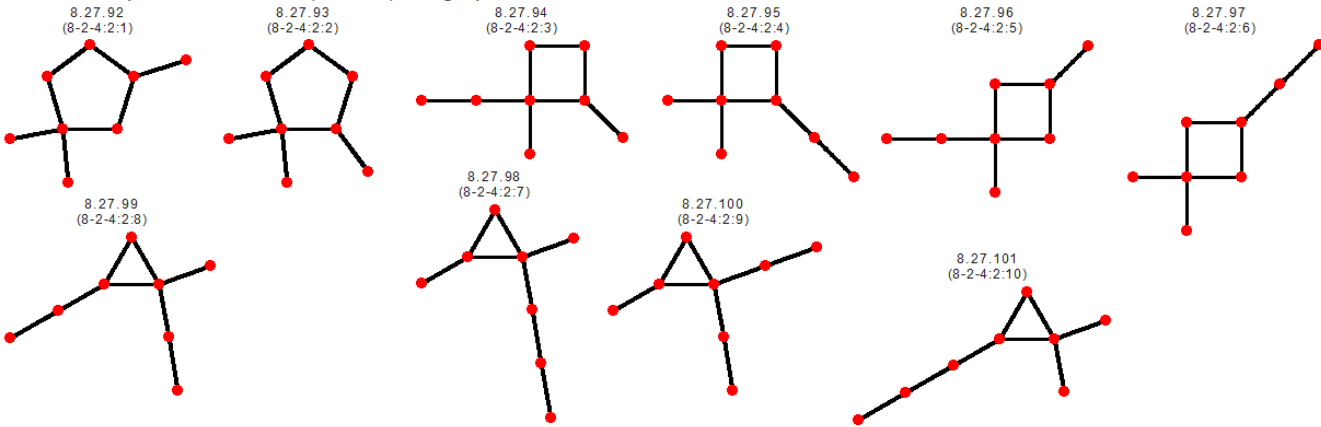


Category 8.10: 8 edges, 2 regions, max degree = 4 (8-2-4): 11 homeomorphism classes, 35 graphs

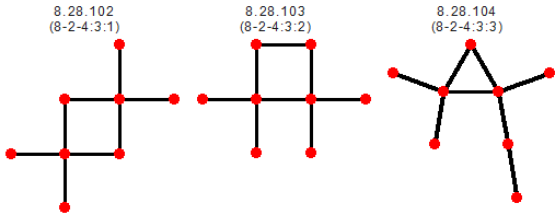
Homeomorphism class 8.26 (8-2-4:1): 6 graphs



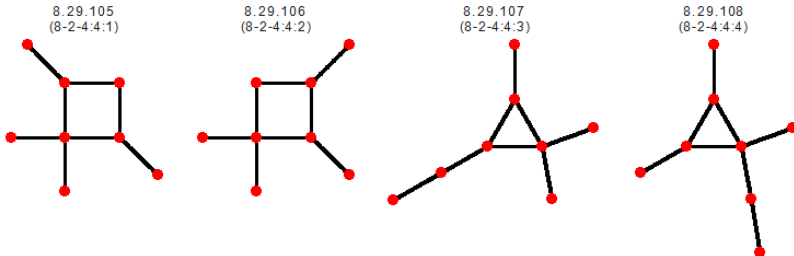
Homeomorphism class 8.27 (8-2-4:2): 10 graphs



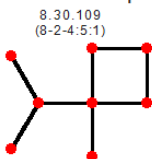
Homeomorphism class 8.28 (8-2-4:3): 3 graphs

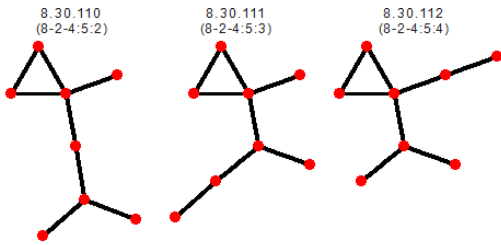


Homeomorphism class 8.29 (8-2-4:4): 4 graphs

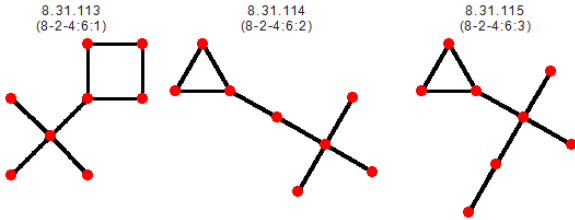


Homeomorphism class 8.30 (8-2-4:5): 4 graphs

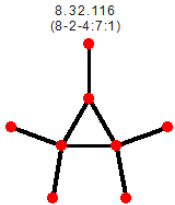




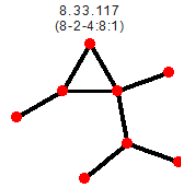
Homeomorphism class 8.31 (8-2-4:6): 3 graphs



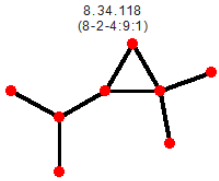
Homeomorphism class 8.32 (8-2-4:7): 1 graph



Homeomorphism class 8.33 (8-2-4:8): 1 graph



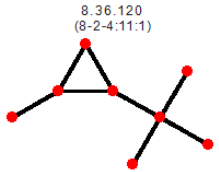
Homeomorphism class 8.34 (8-2-4:9): 1 graph



Homeomorphism class 8.35 (8-2-4:10): 1 graph

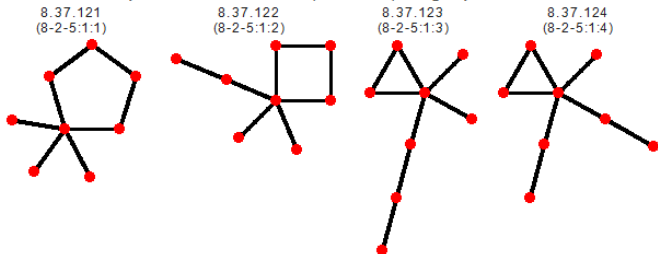


Homeomorphism class 8.36 (8-2-4:11): 1 graph

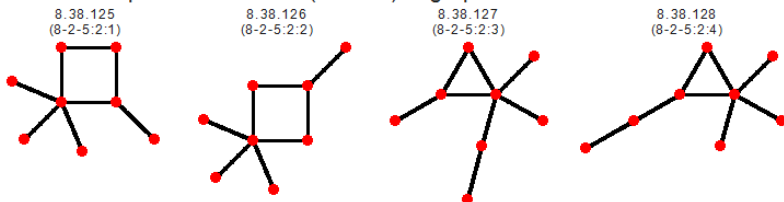


Category 8.11: 8 edges, 2 regions, max degree = 5 (8-2-5): 6 homeomorphism classes, 12 graphs

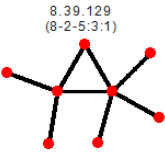
Homeomorphism class 8.37 (8-2-5:1): 4 graphs



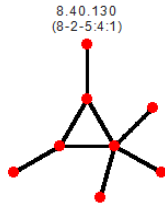
Homeomorphism class 8.38 (8-2-5:2): 4 graphs



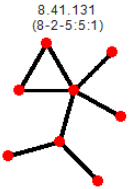
Homeomorphism class 8.39 (8-2-5:3): 1 graph



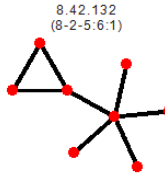
Homeomorphism class 8.40 (8-2-5:4): 1 graph



Homeomorphism class 8.41 (8-2-5:5): 1 graph

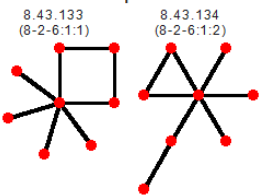


Homeomorphism class 8.42 (8-2-5:6): 1 graph

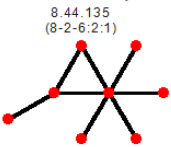


Category 8.12: 8 edges, 2 regions, max degree = 6 (8-2-6): 2 homeomorphism classes, 3 graphs

Homeomorphism class 8.43 (8-2-6:1): 2 graphs

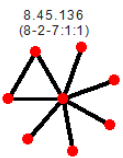


Homeomorphism class 8.44 (8-2-6:2): 1 graph



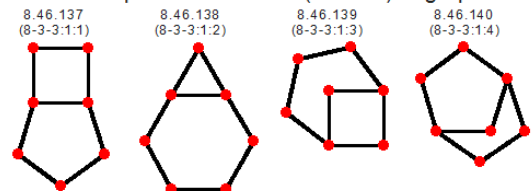
Category 8.13: 8 edges, 2 regions, max degree = 7 (8-2-7): 1 homeomorphism class, 1 graph

Homeomorphism class 8.45 (8-2-7:1): 1 graph

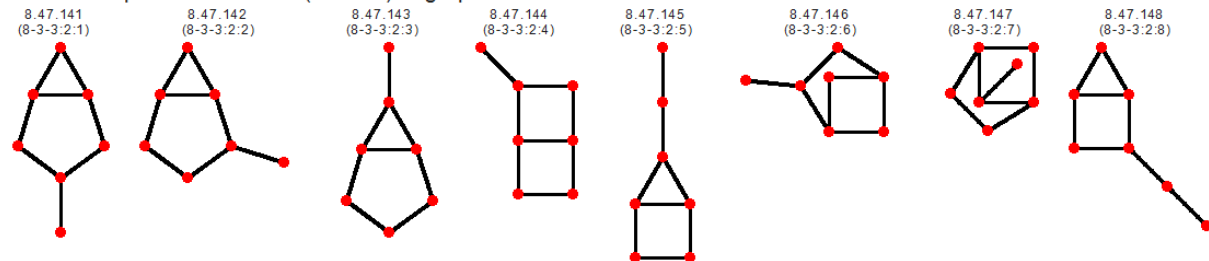


Category 8.14: 8 edges, 3 regions, max degree = 3 (8-3-3): 7 homeomorphism classes, 20 graphs

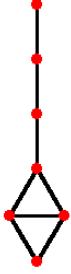
Homeomorphism class 8.46 (8-3-3:1): 4 graphs



Homeomorphism class 8.47 (8-3-3:2): 9 graphs

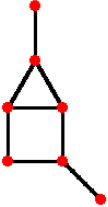


8.47.149
(8-3-3:2:9)



Homeomorphism class 8.48 (8-3-3:3): 2 graphs

8.48.150
(8-3-3:3:1)

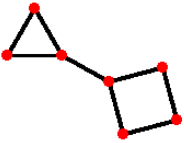


8.48.151
(8-3-3:3:2)

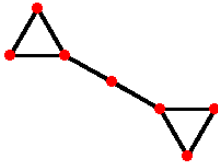


Homeomorphism class 8.49 (8-3-3:4): 2 graphs

8.49.152
(8-3-3:4:1)

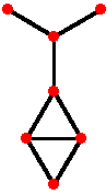


8.49.153
(8-3-3:4:2)



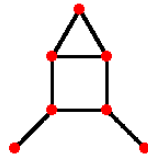
Homeomorphism class 8.50 (8-3-3:5): 1 graph

8.50.154
(8-3-3:5:1)



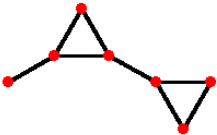
Homeomorphism class 8.51 (8-3-3:6): 1 graph

8.51.155
(8-3-3:6:1)



Homeomorphism class 8.52 (8-3-3:7): 1 graph

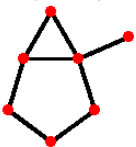
8.52.156
(8-3-3:7:1)



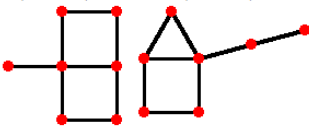
Category 8.15: 8 edges, 3 regions, max degree = 4 (8-3-4): 15 homeomorphism classes, 30 graphs

Homeomorphism class 8.53 (8-3-4:1): 5 graphs

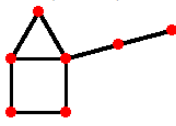
8.53.157
(8-3-4:1:1)



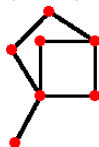
8.53.158
(8-3-4:1:2)



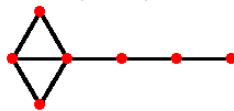
8.53.159
(8-3-4:1:3)



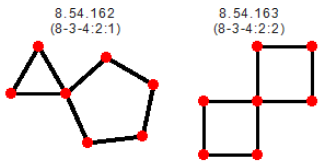
8.53.160
(8-3-4:1:4)



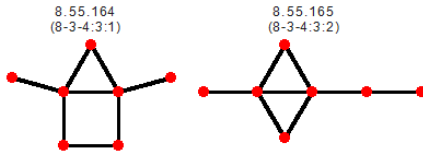
8.53.161
(8-3-4:1:5)



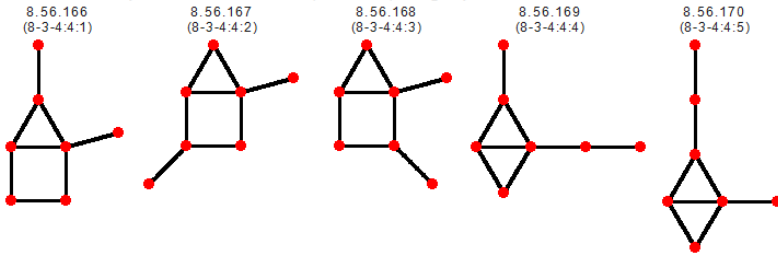
Homeomorphism class 8.54 (8-3-4:2): 2 graphs



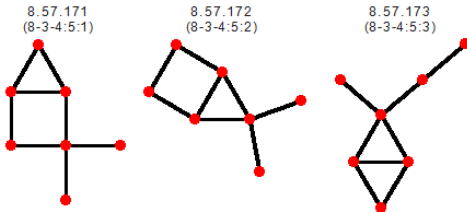
Homeomorphism class 8.55 (8-3-4:3): 2 graphs



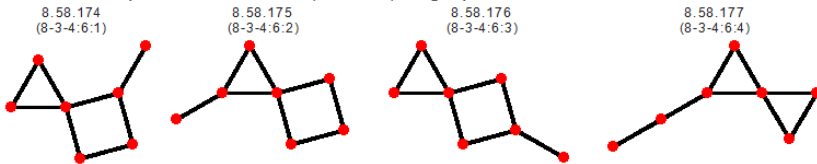
Homeomorphism class 8.56 (8-3-4:4): 5 graphs



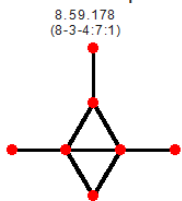
Homeomorphism class 8.57 (8-3-4:5): 3 graphs



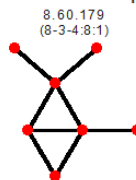
Homeomorphism class 8.58 (8-3-4:6): 4 graphs



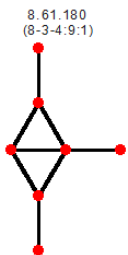
Homeomorphism class 8.59 (8-3-4:7): 1 graph



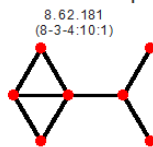
Homeomorphism class 8.60 (8-3-4:8): 1 graph



Homeomorphism class 8.61 (8-3-4:9): 1 graph

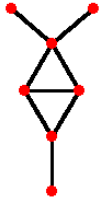


Homeomorphism class 8.62 (8-3-4:10): 1 graph



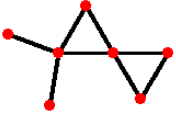
Homeomorphism class 8.63 (8-3-4:11): 1 graph

8.63.182
(8-3-4:11:1)



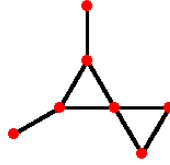
Homeomorphism class 8.64 (8-3-4:12): 1 graph

8.64.183
(8-3-4:12:1)



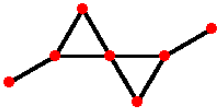
Homeomorphism class 8.65 (8-3-4:13): 1 graph

8.65.184
(8-3-4:13:1)



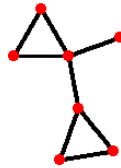
Homeomorphism class 8.66 (8-3-4:14): 1 graph

8.66.185
(8-3-4:14:1)



Homeomorphism class 8.67 (8-3-4:15): 1 graph

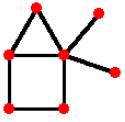
8.67.186
(8-3-4:15:1)



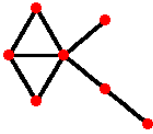
Category 8.16: 8 edges, 3 regions, max degree = 5 (8-3-5): 6 homeomorphism classes, 8 graphs

Homeomorphism class 8.68 (8-3-5:1): 2 graphs

8.68.187
(8-3-5:1:1)

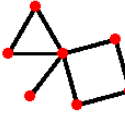


8.68.188
(8-3-5:1:2)

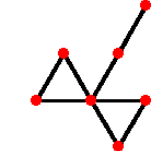


Homeomorphism class 8.69 (8-3-5:2): 2 graphs

8.69.189
(8-3-5:2:1)

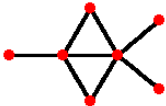


8.69.190
(8-3-5:2:2)



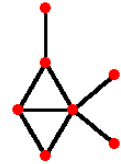
Homeomorphism class 8.70 (8-3-5:3): 1 graph

8.70.191
(8-3-5:3:1)



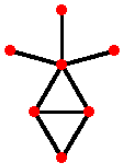
Homeomorphism class 8.71 (8-3-5:4): 1 graph

8.71.192
(8-3-5:4:1)



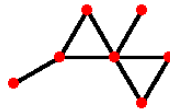
Homeomorphism class 8.72 (8-3-5:5): 1 graph

8.72.193
(8-3-5:5:1)



Homeomorphism class 8.73 (8-3-5:6): 1 graph

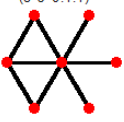
8.73.194
(8-3-5:6:1)



Category 8.17: 8 edges, 3 regions, max degree = 6 (8-3-6): 2 homeomorphism classes, 2 graphs

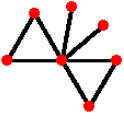
Homeomorphism class 8.74 (8-3-6:1): 1 graph

8.74.195
(8-3-6:1:1)



Homeomorphism class 8.75 (8-3-6:2): 1 graph

8.75.196
(8-3-6:2:1)



Category 8.18: 8 edges, 4 regions, max degree = 3 (8-4-3): 2 homeomorphism classes, 3 graphs

Homeomorphism class 8.76 (8-4-3:1): 2 graphs

8.76.197
(8-4-3:1:1)



8.76.198
(8-4-3:1:2)



Homeomorphism class 8.77 (8-4-3:2): 1 graph

8.77.199
(8-4-3:2:1)



Category 8.19: 8 edges, 4 regions, max degree = 4 (8-4-4): 5 homeomorphism classes, 6 graphs

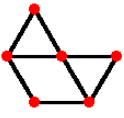
Homeomorphism class 8.78 (8-4-4:1): 1 graph

8.78.200
(8-4-4:1:1)

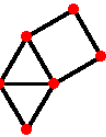


Homeomorphism class 8.79 (8-4-4:2): 2 graphs

8.79.201
(8-4-4:2:1)

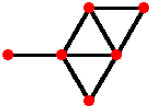


8.79.202
(8-4-4:2:2)



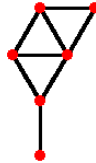
Homeomorphism class 8.80 (8-4-4:3): 1 graph

8.80.203
(8-4-4:3:1)



Homeomorphism class 8.81 (8-4-4:4): 1 graph

8.81.204
(8-4-4:4:1)



Homeomorphism class 8.82 (8-4-4:5): 1 graph

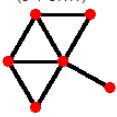
8.82.205
(8-4-4:5:1)



Category 8.20: 8 edges, 4 regions, max degree = 5 (8-4-5): 2 homeomorphism classes, 2 graphs

Homeomorphism class 8.83 (8-4-5:1): 1 graph

8.83.206
(8-4-5:1:1)



Homeomorphism class 8.84 (8-4-5:2): 1 graph

8.84.207
(8-4-5:2:1)

