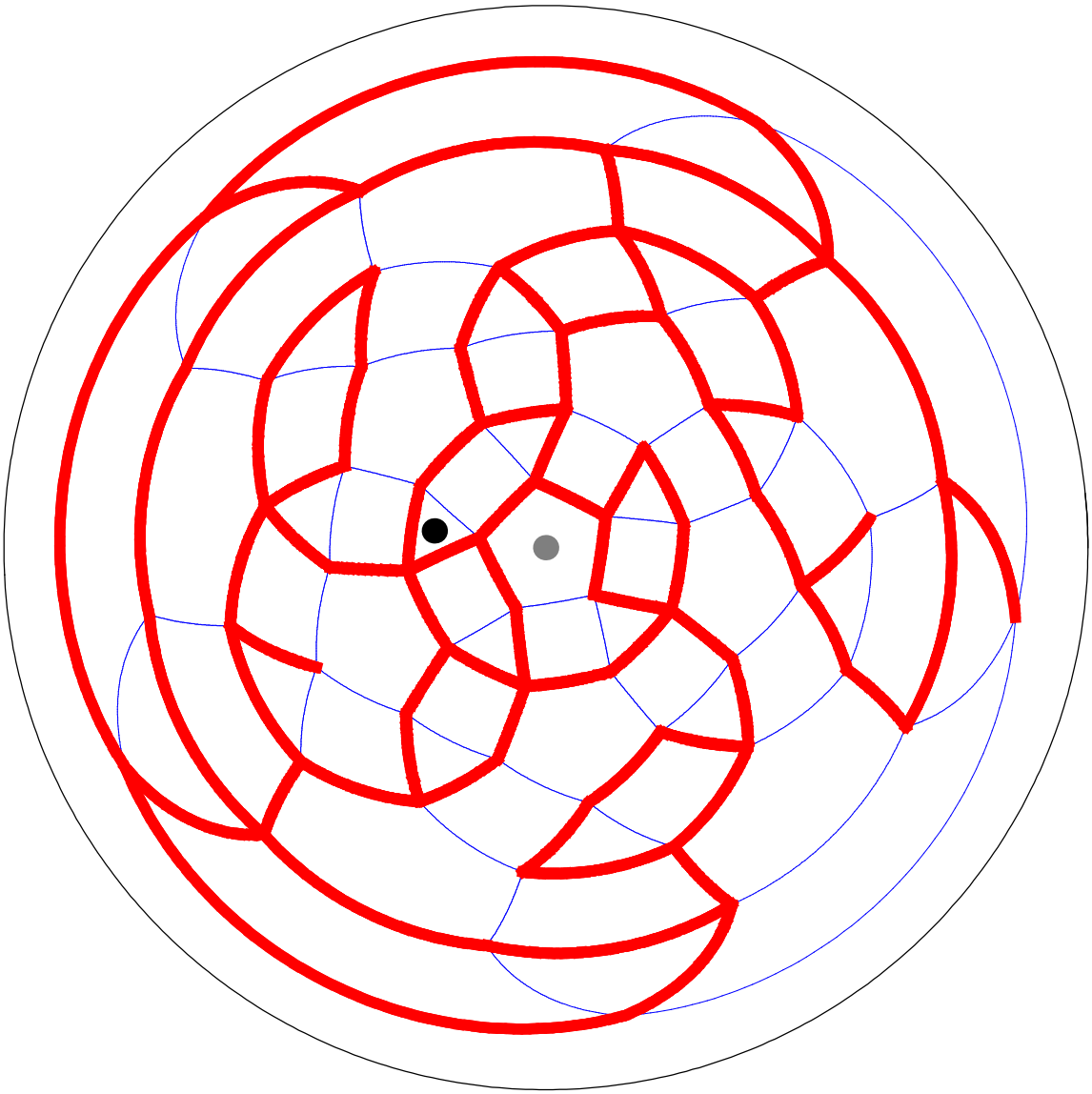
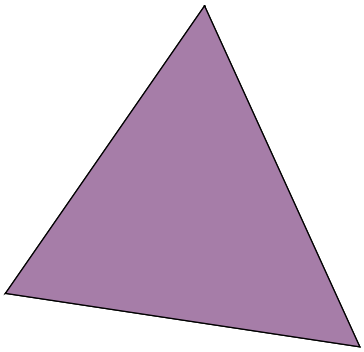
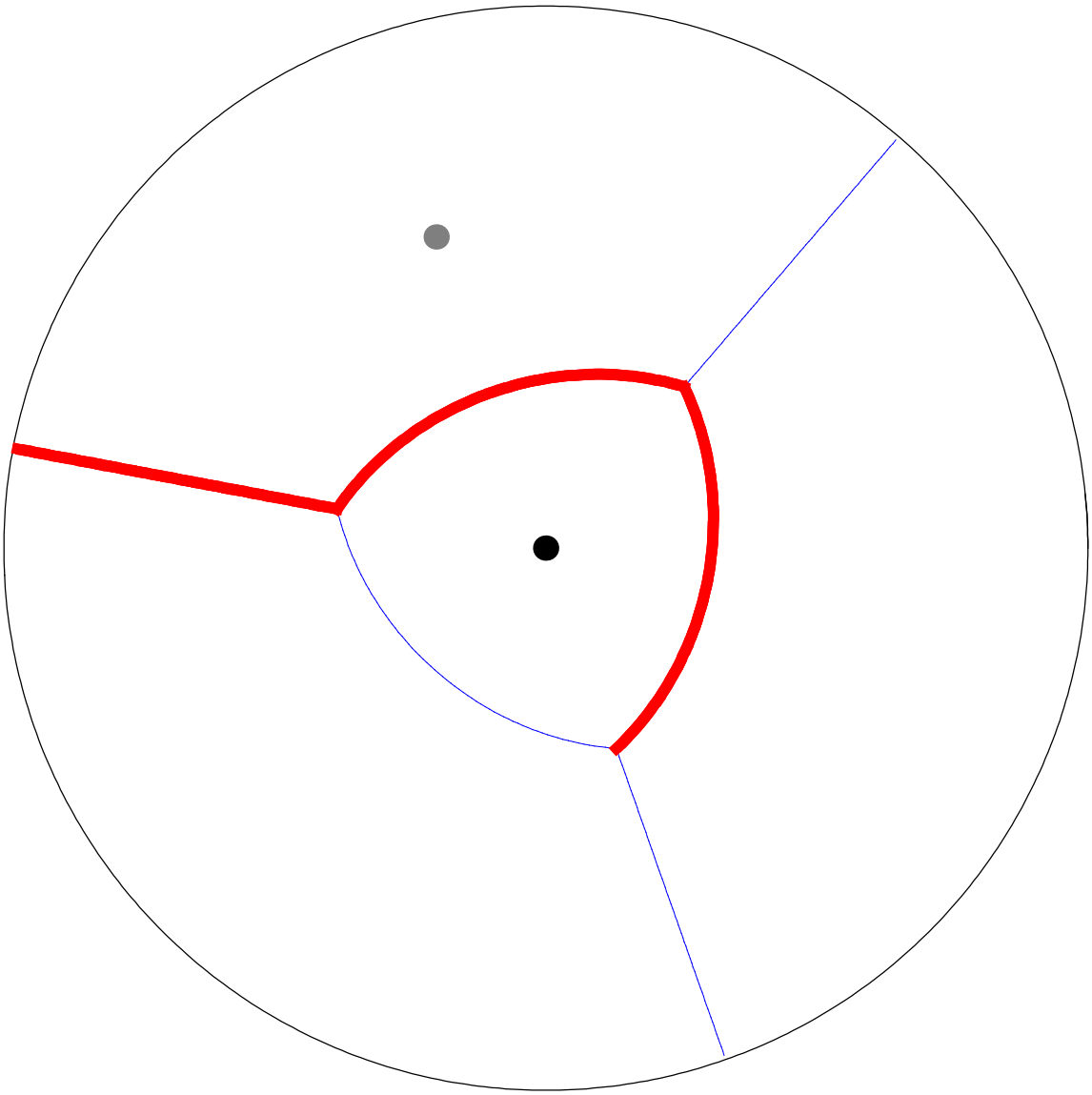
Izidor Hafner

Mazes on Uniform Polyhedra

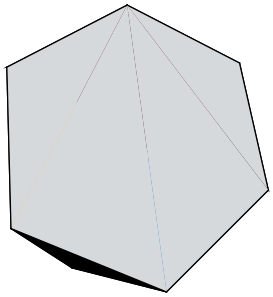


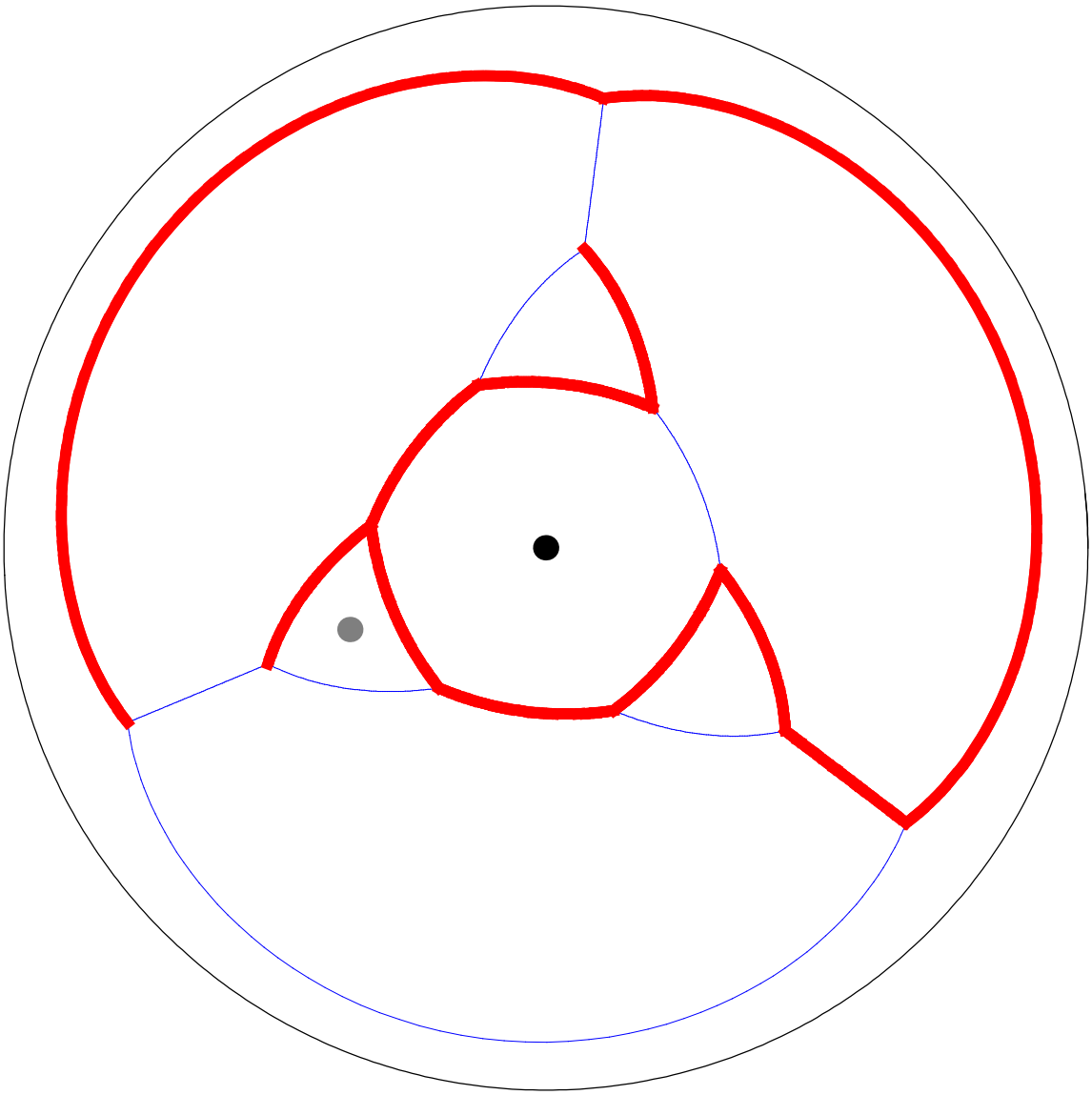
```
1: tetrahedron
(3|2 3)  {3, 3, 3}
```



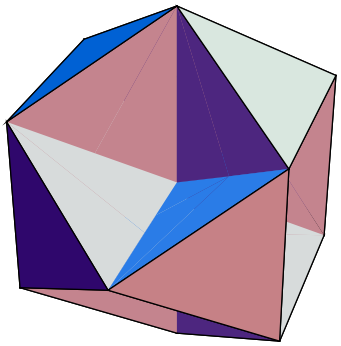


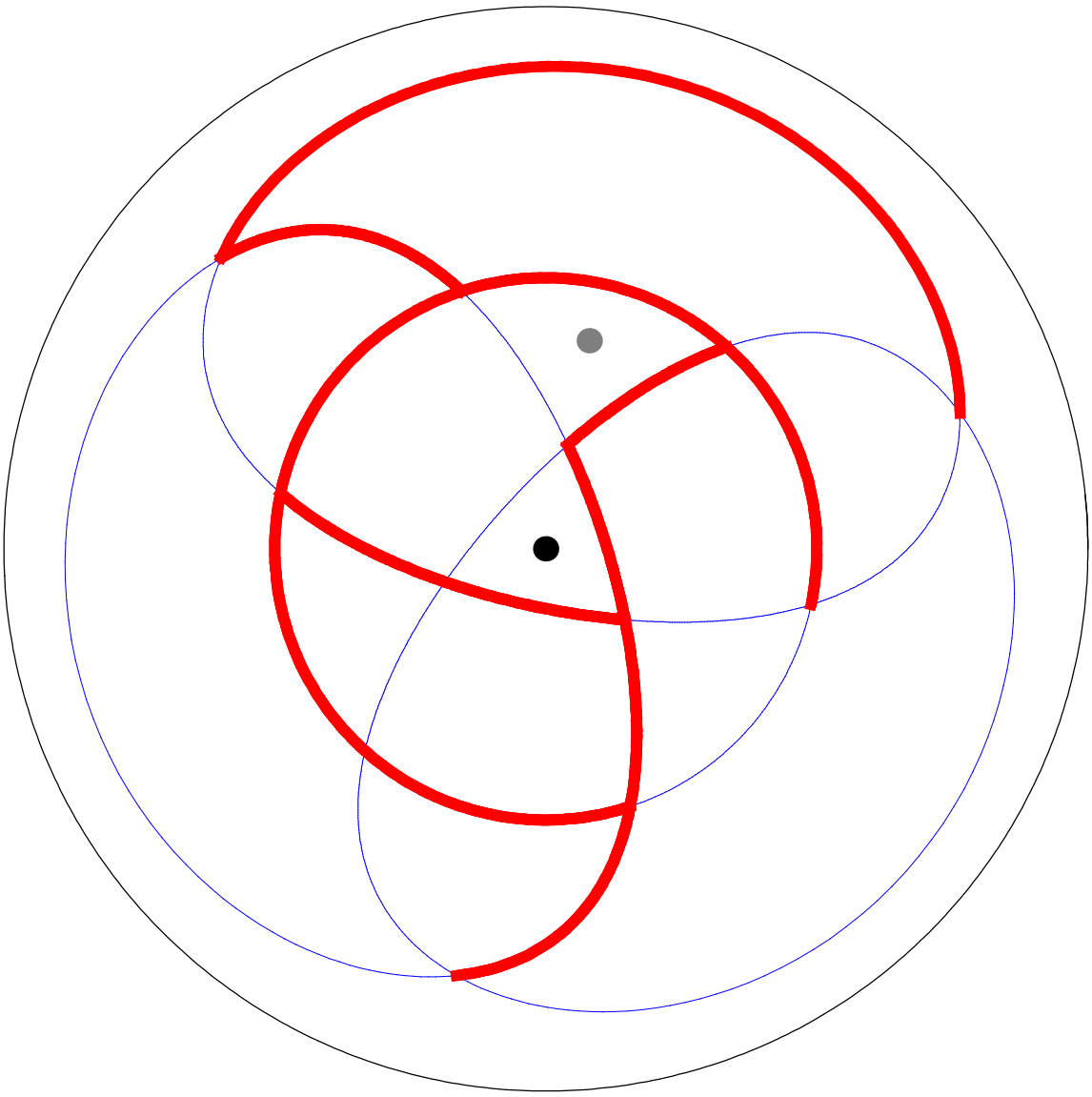
2: truncated tetrahedron
(2 3|3) {6, 6, 3}



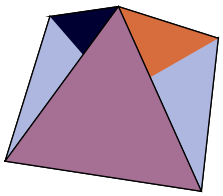


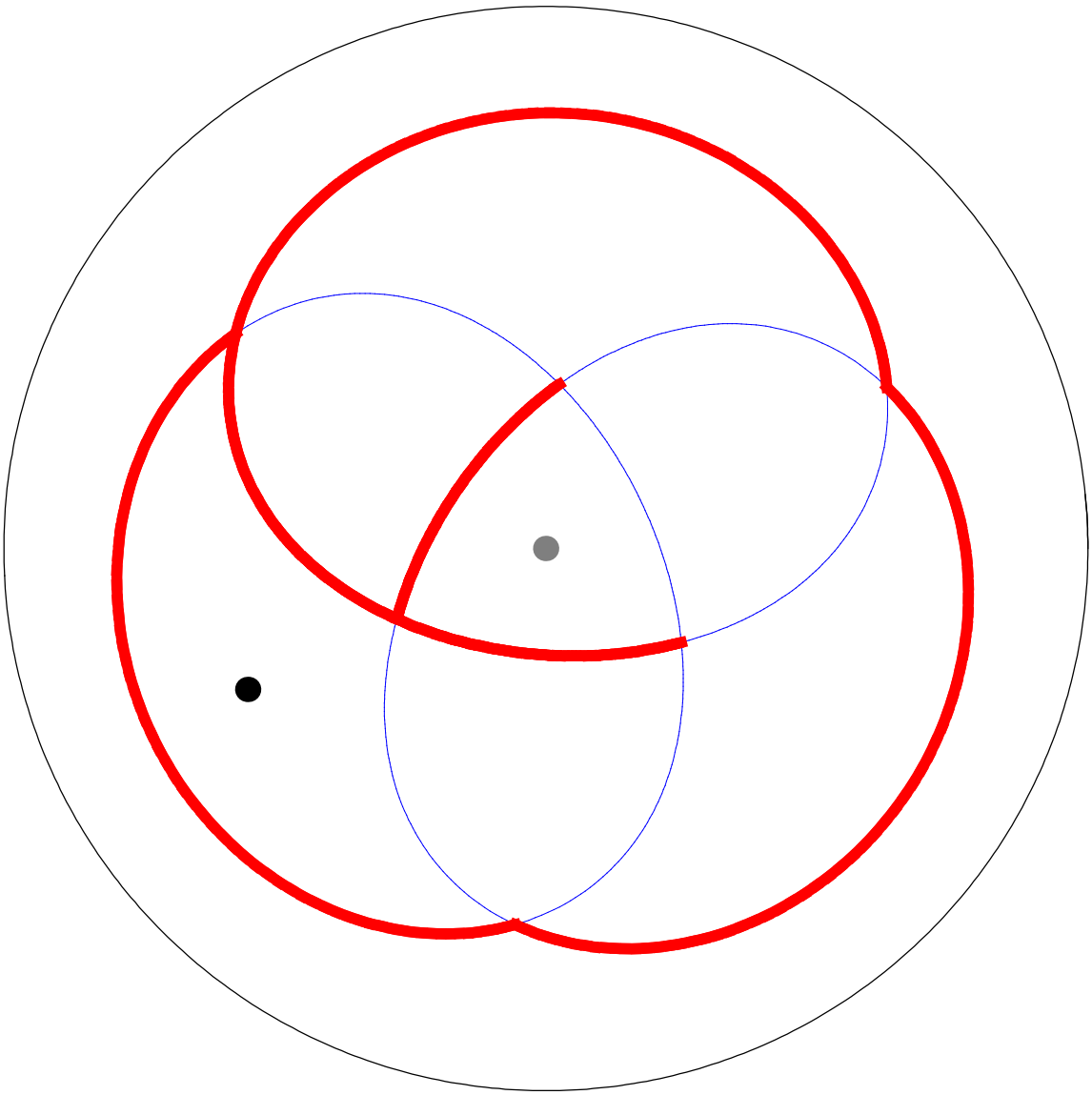
3: octahemioctahedron
(3/2 3|3) {6, 3/2, 6, 3}



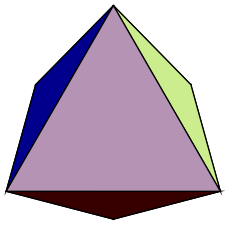


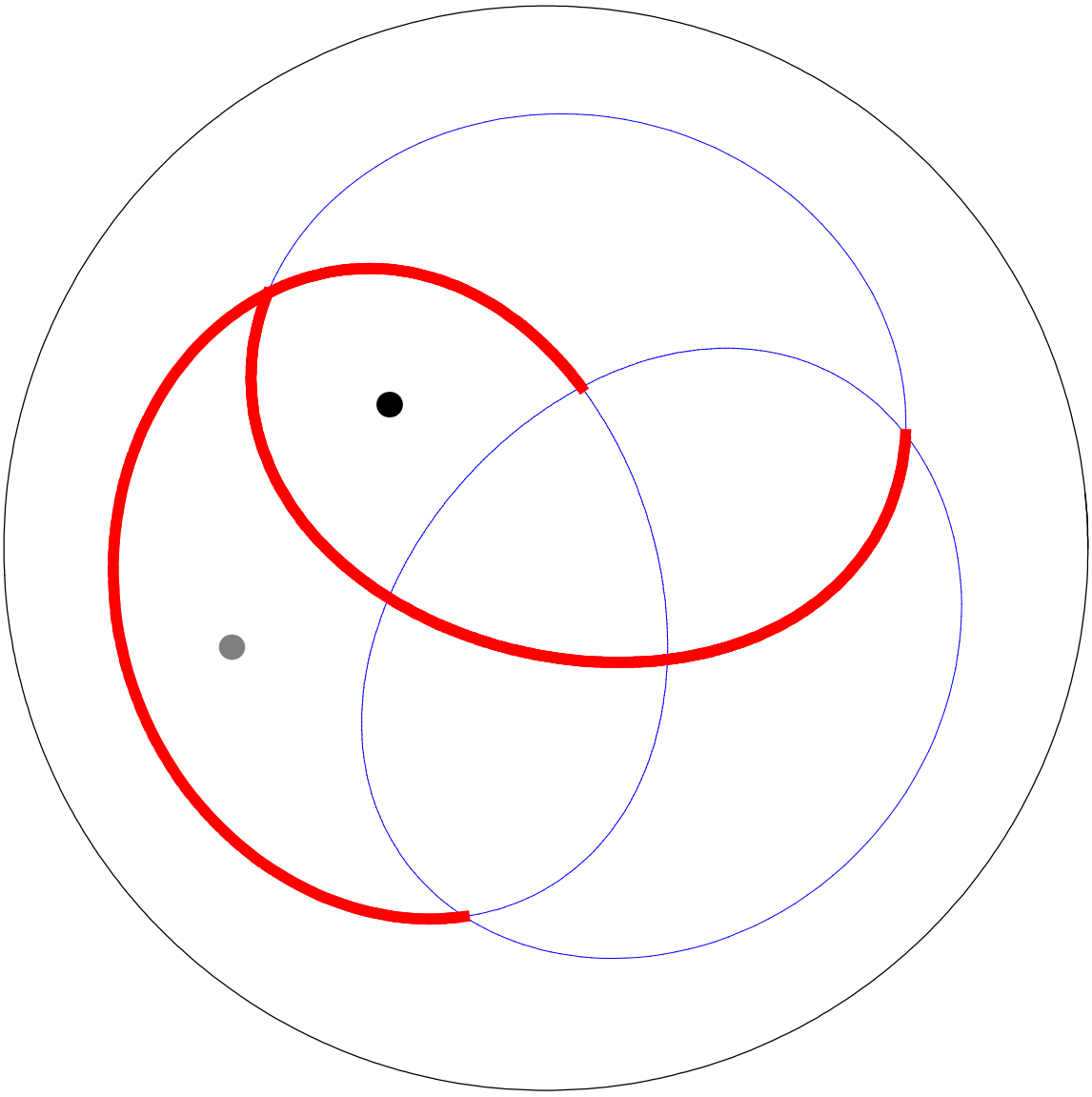
```
4: tetrahemihexahedron
(3/2 3|2)  {4, 3/2, 4, 3}
```



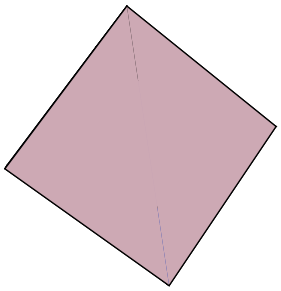


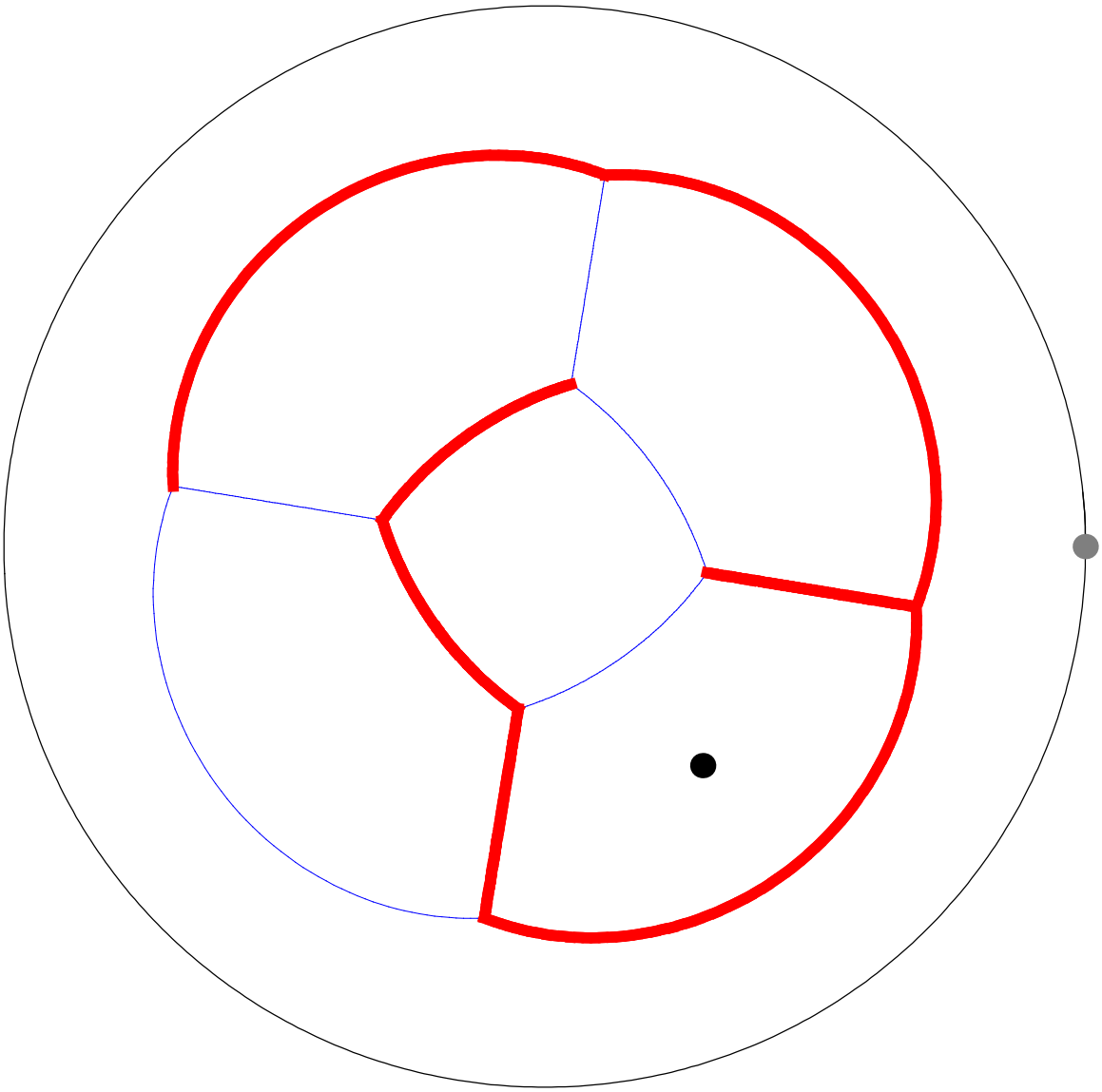
5: octahedron
(4|2 3) {3, 3, 3, 3}



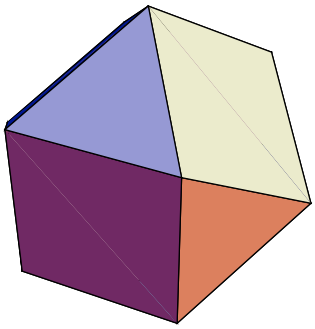


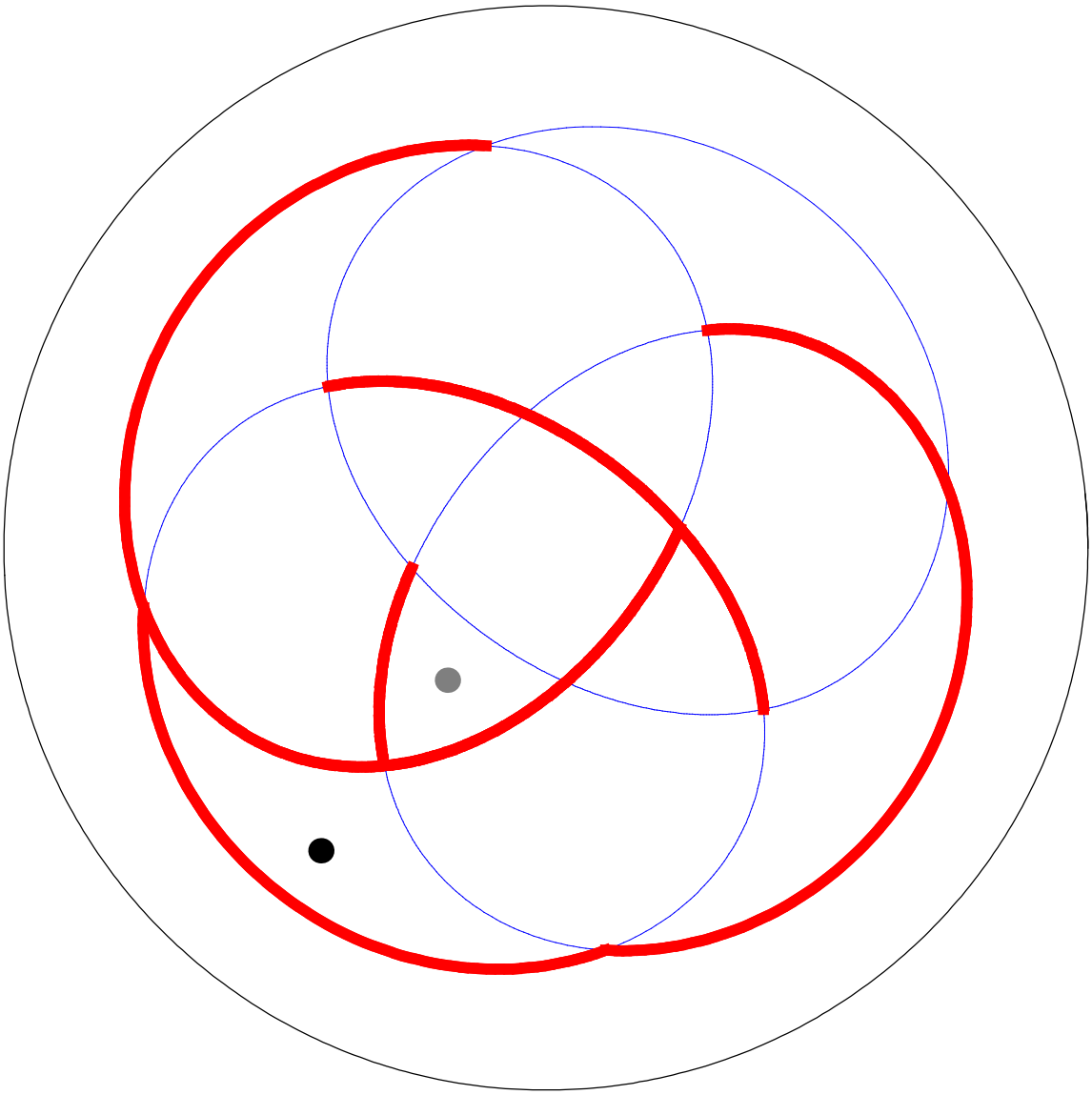
```
6: cube
(3|2 4)  {4, 4, 4}
```



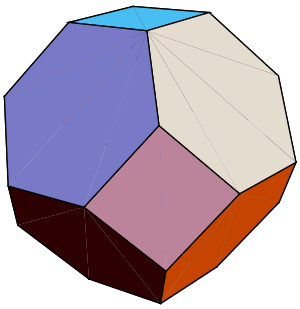


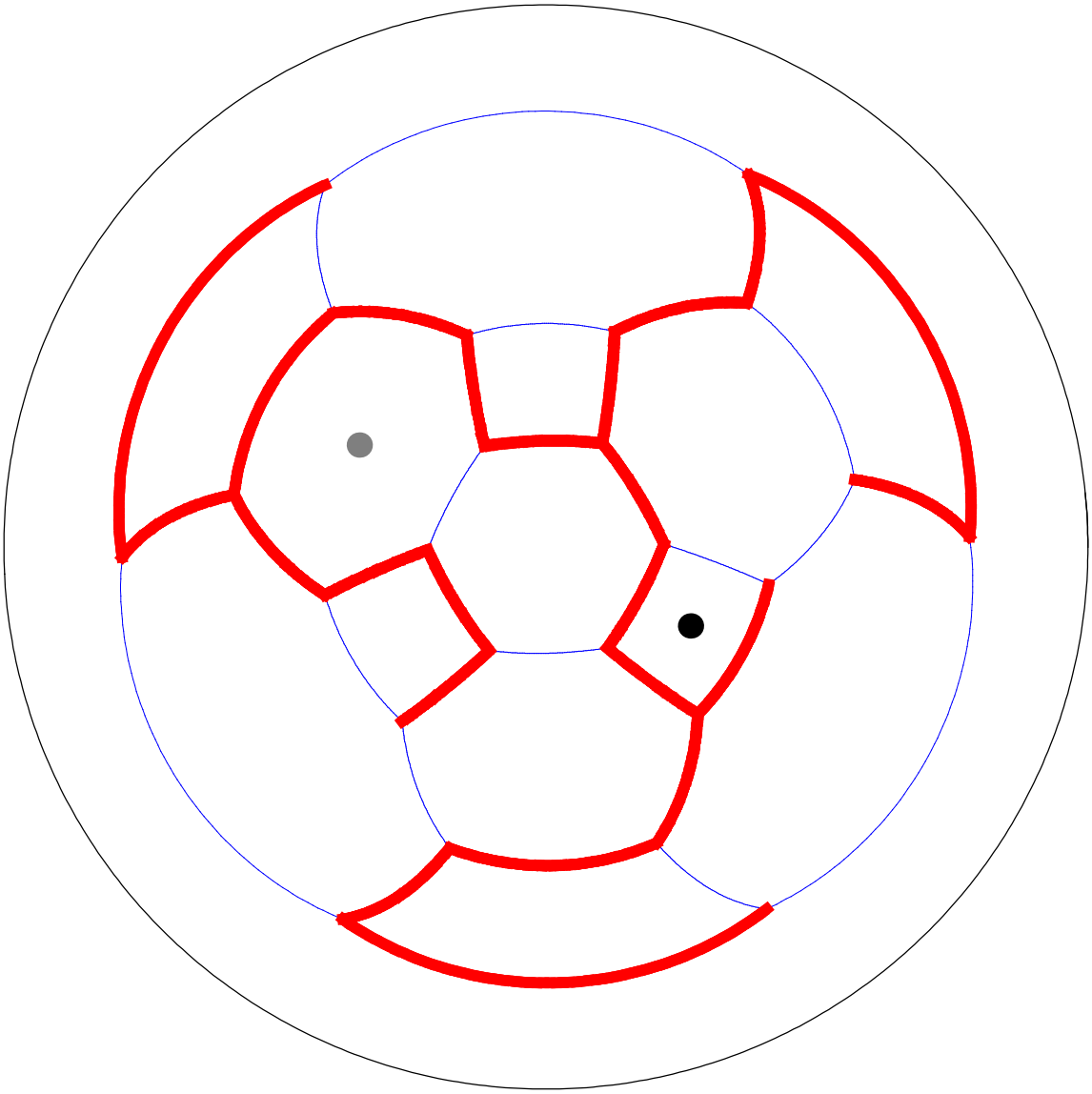
```
7: cuboctahedron
(2|3 4)  {3, 4, 3, 4}
```



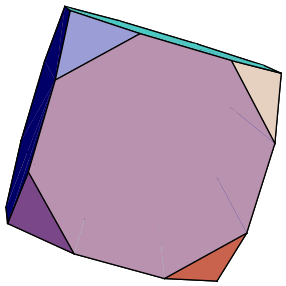


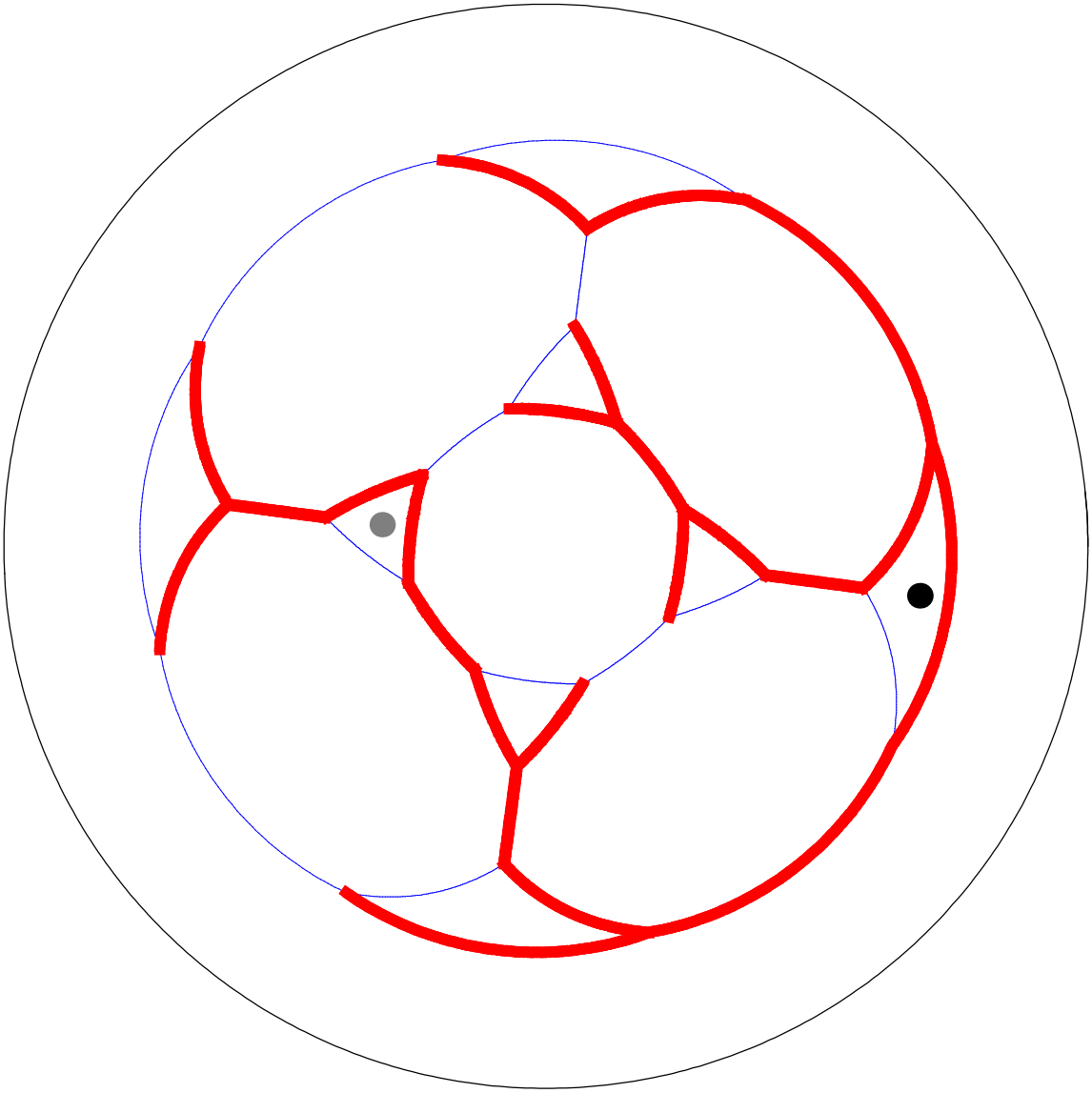
```
8: truncated octahedron
(2 4|3)  {6, 6, 4}
```



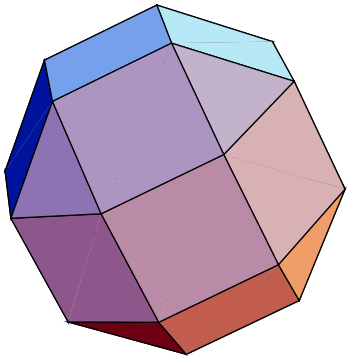


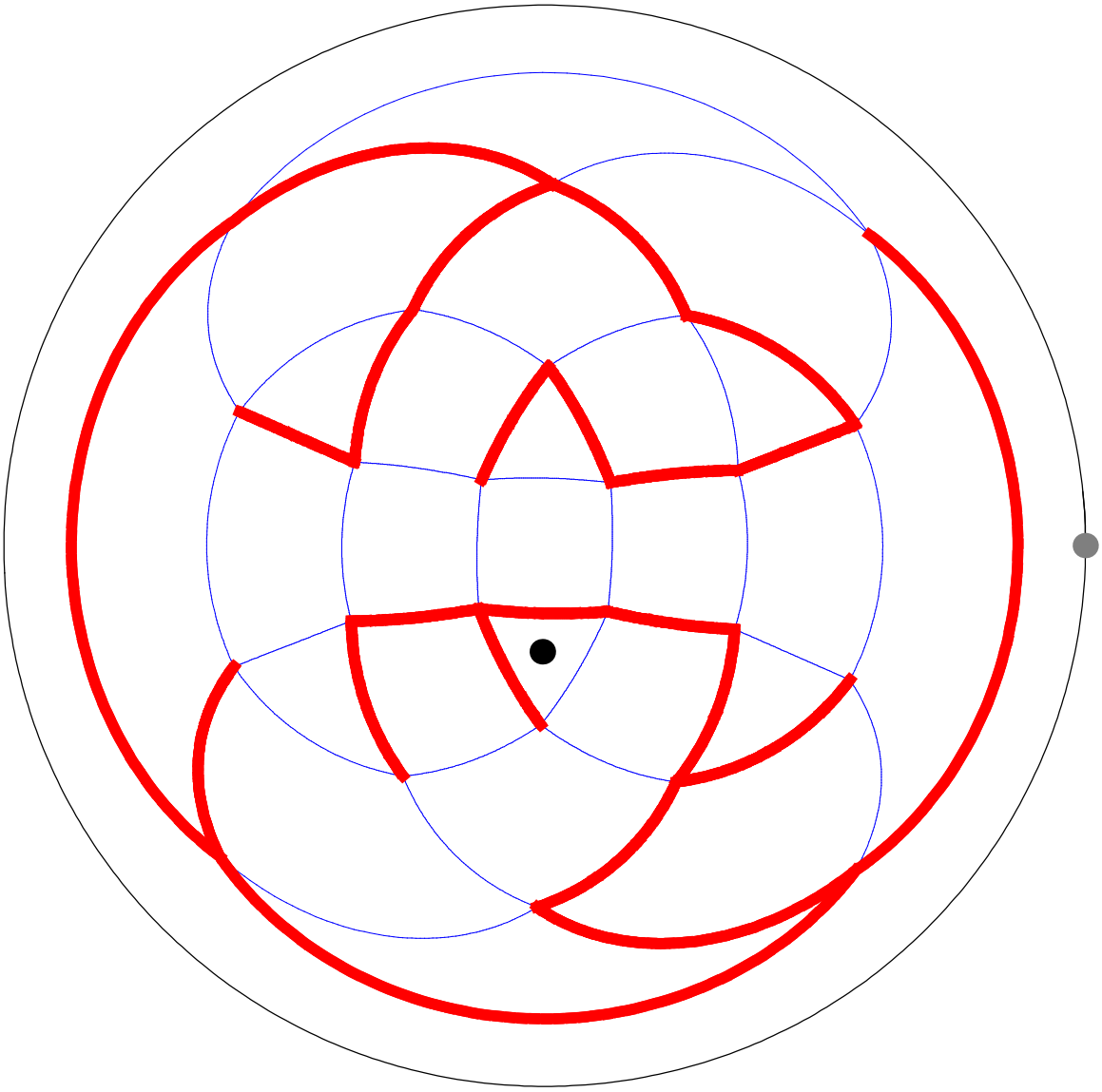
```
9: truncated cube
(2 3|4)  {8, 8, 3}
```



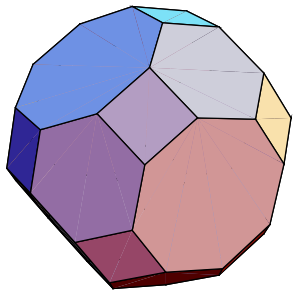


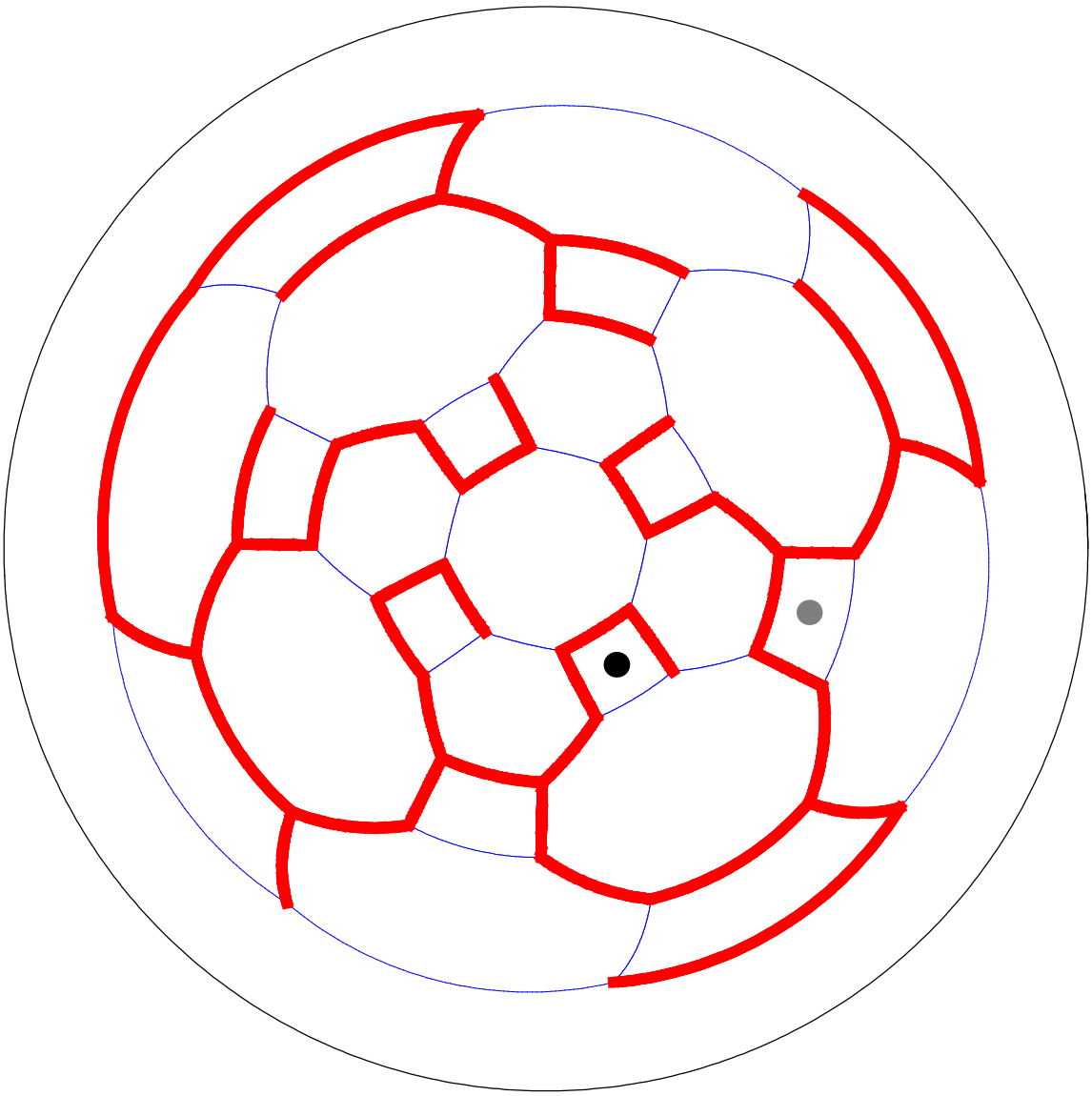
```
10: rhombicuboctahedron
(3 4|2)  {4, 3, 4, 4}
```



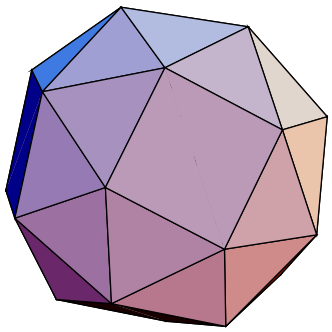


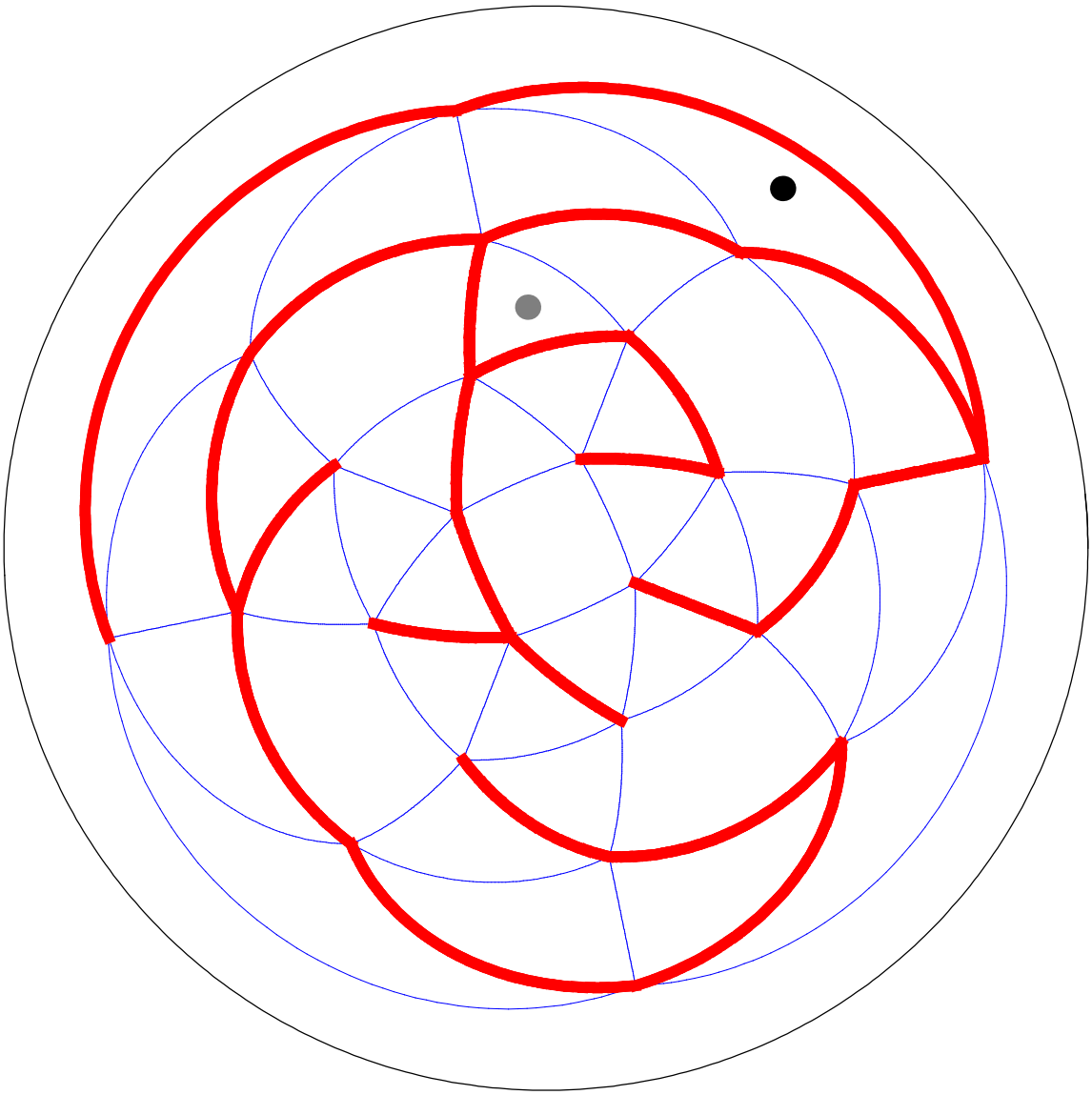
```
11: truncated cuboctahedron
(2 3 4|)  {4, 6, 8}
```



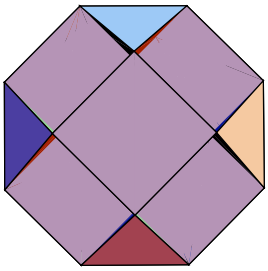


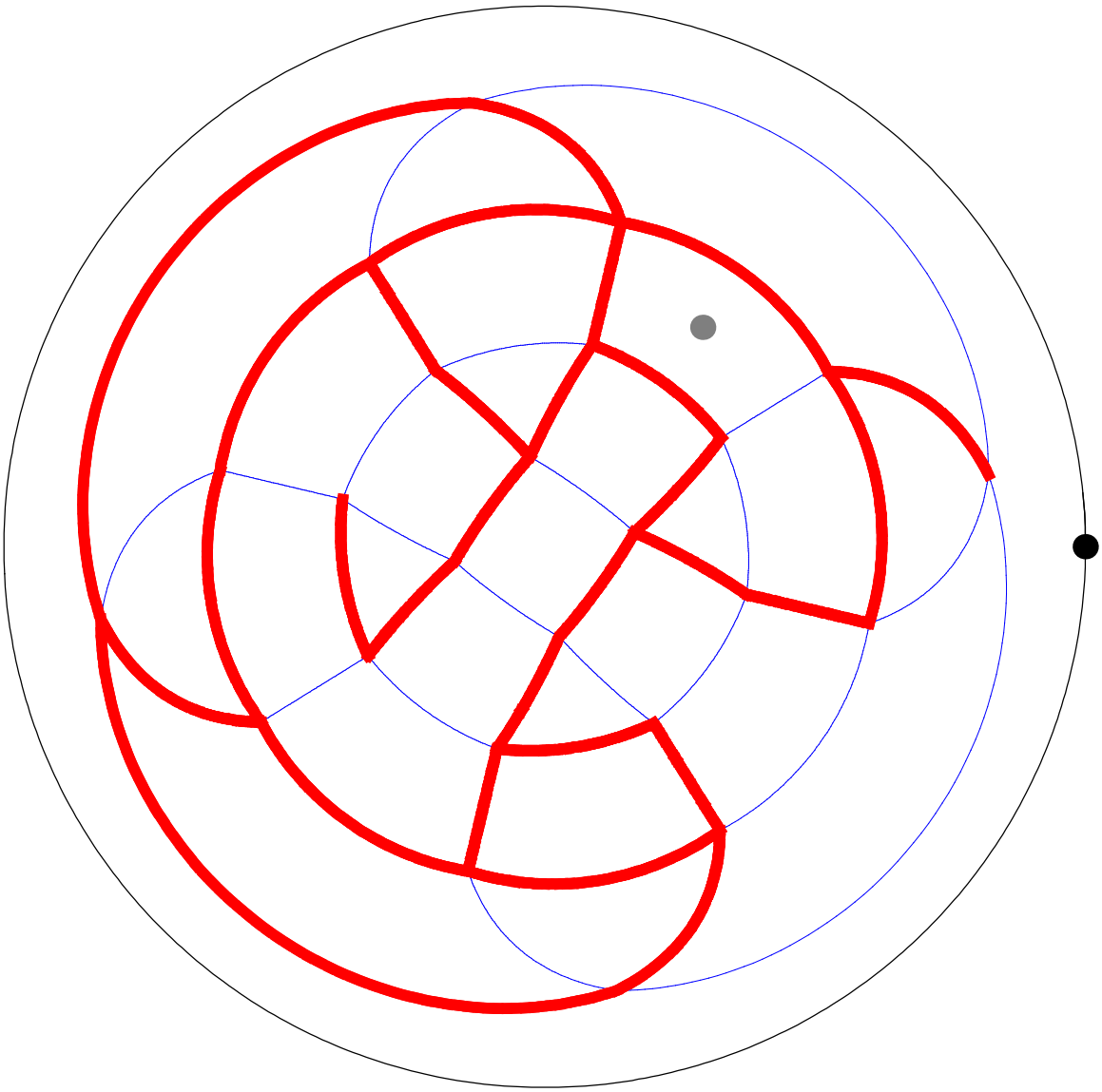
```
12: snub cube
(|2 3 4)  {3, 3, 3, 3, 4}
```



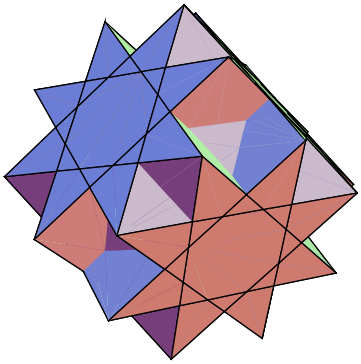


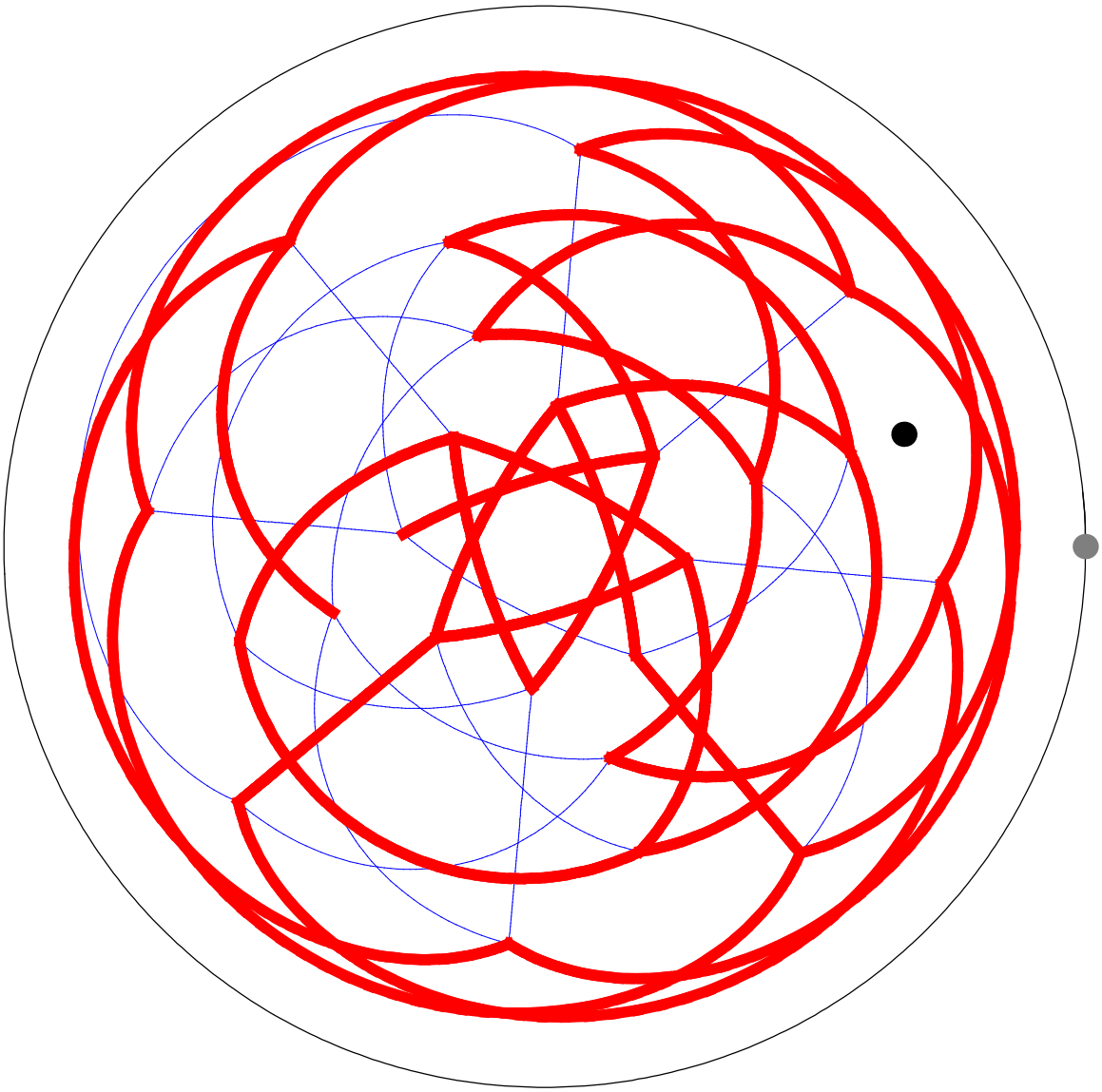
```
13: small cubicuboctahedron
(3/2 4|4)  {8, 3/2, 8, 4}
```



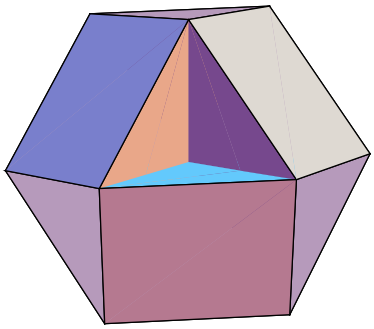


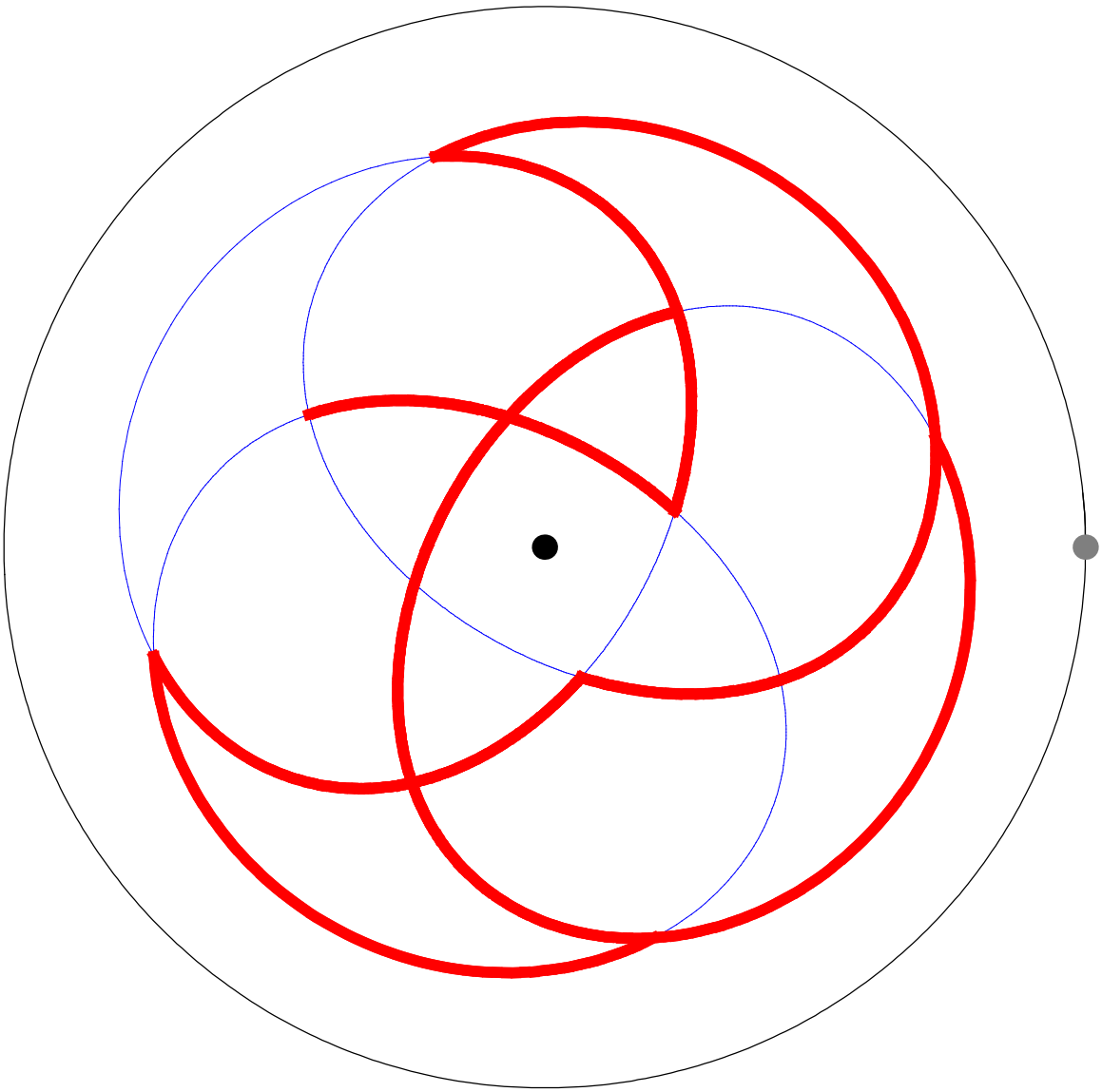
14: great cubicuboctahedron
(3 4|4/3) {8/3, 3, 8/3, 4}



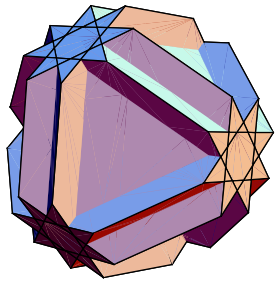


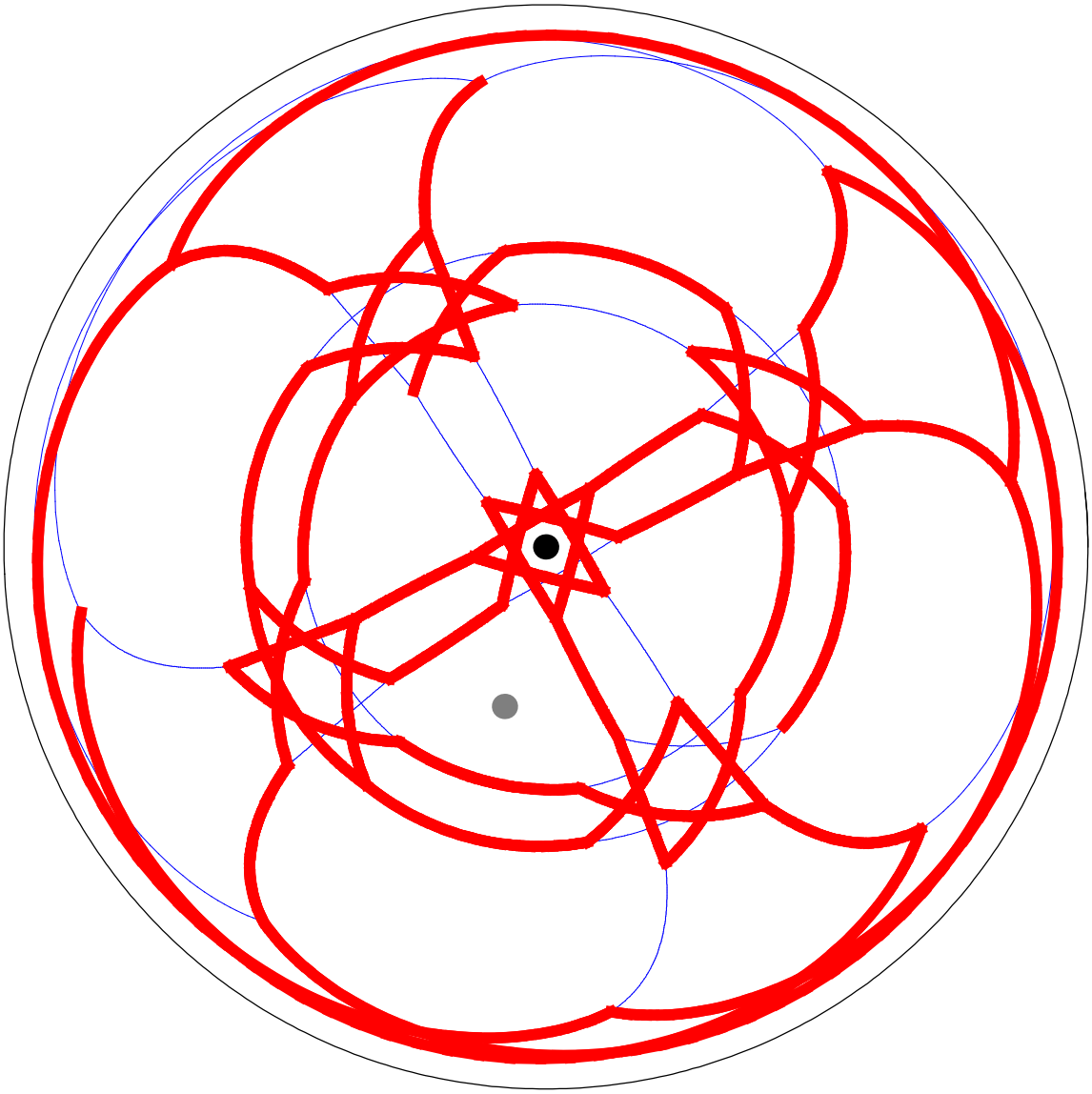
15: cubohemioctahedron
(4/3 4|3) {6, 4/3, 6, 4}



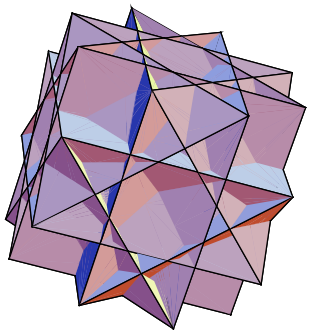


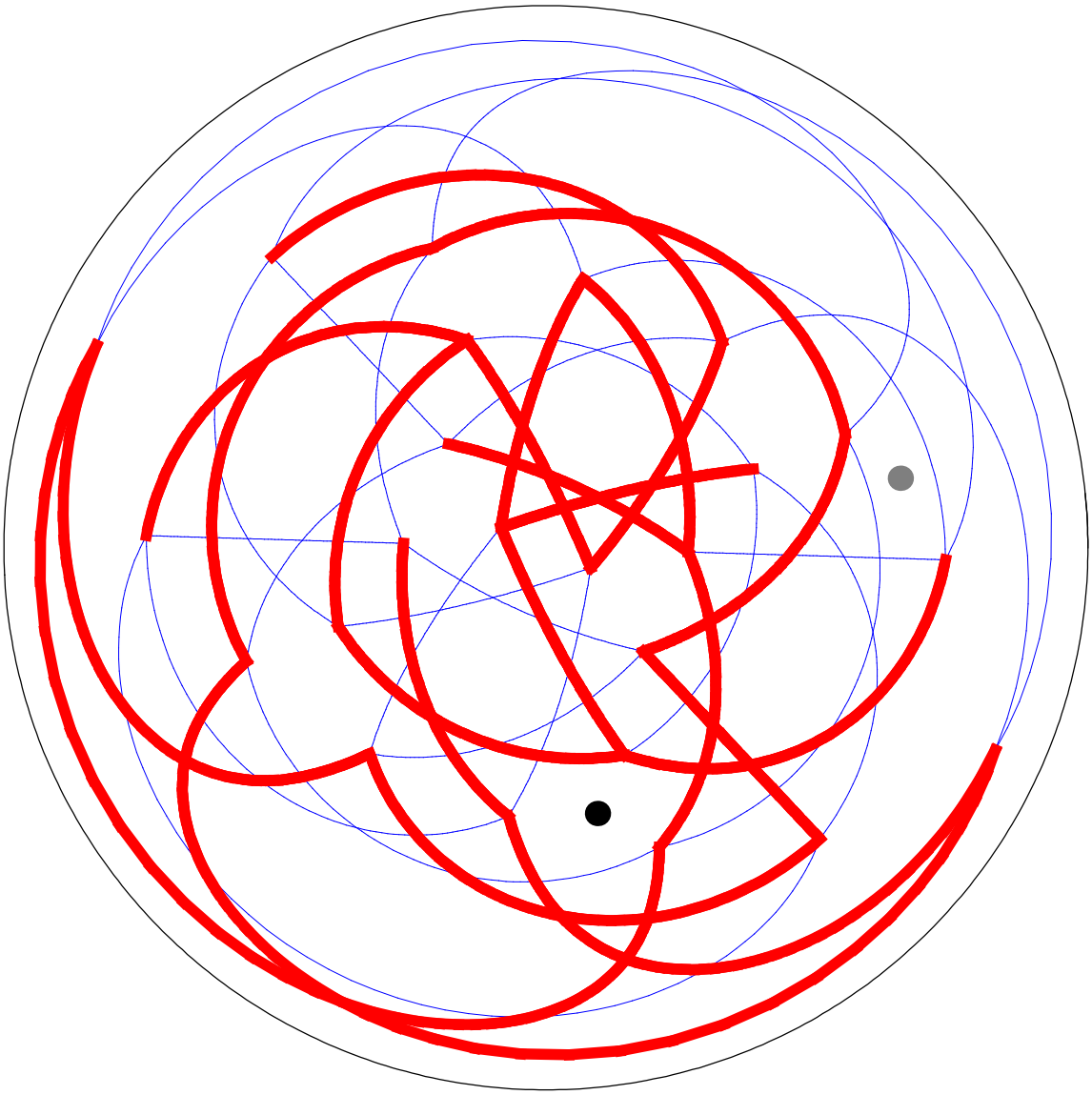
16: cubitruncated cuboctahedron
(4/3 3 4|) {8/3, 6, 8}



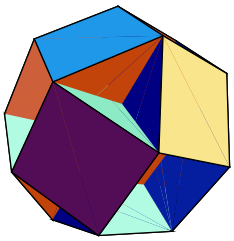


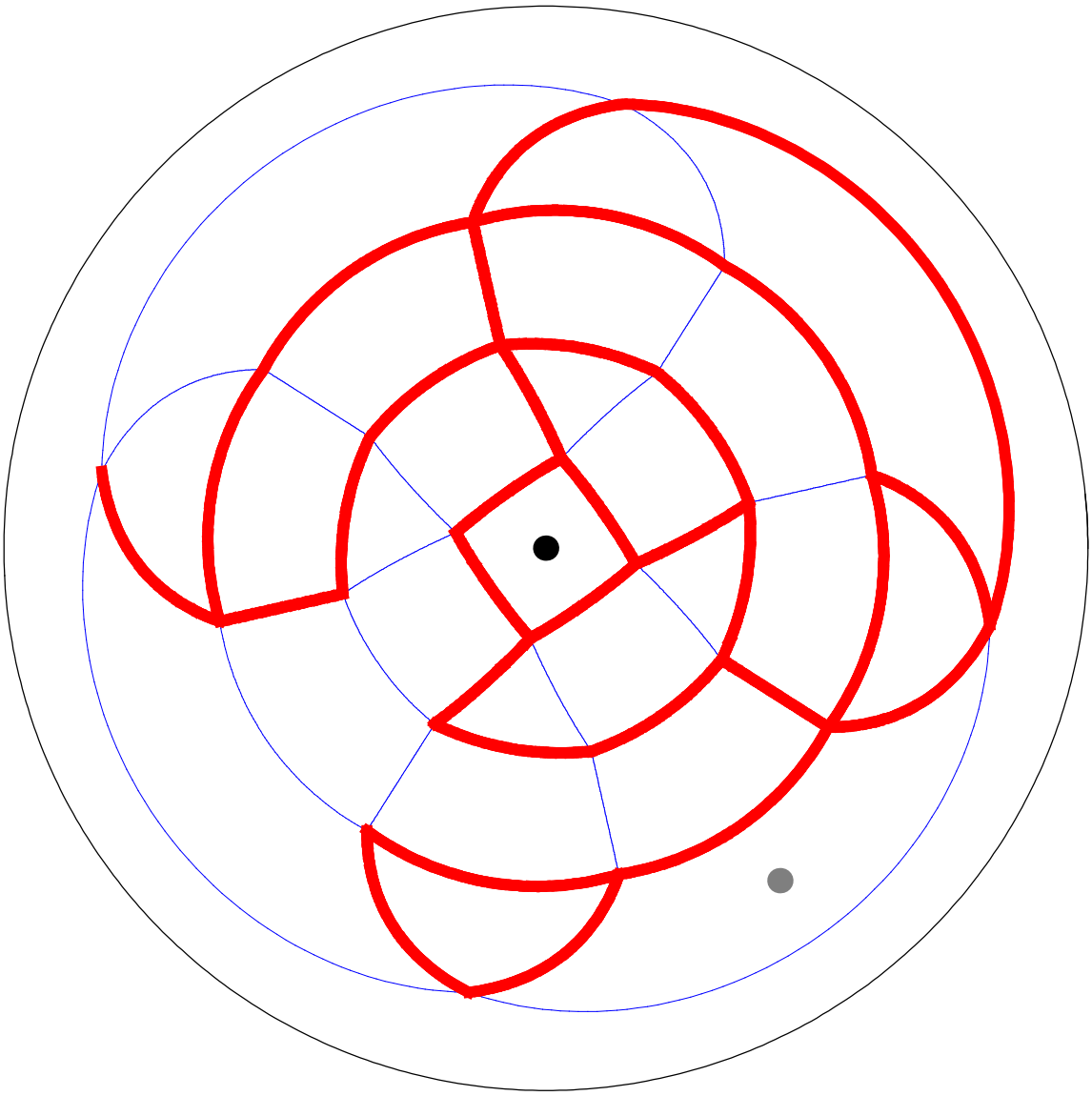
```
17: great rhombicuboctahedron
(3/2 4|2)  {4, 3/2, 4, 4}
```



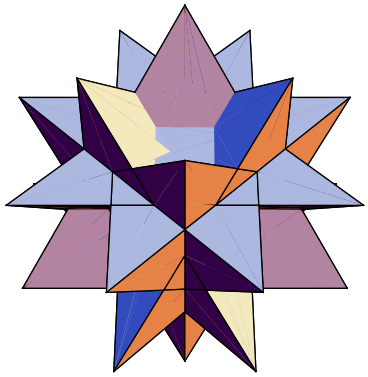


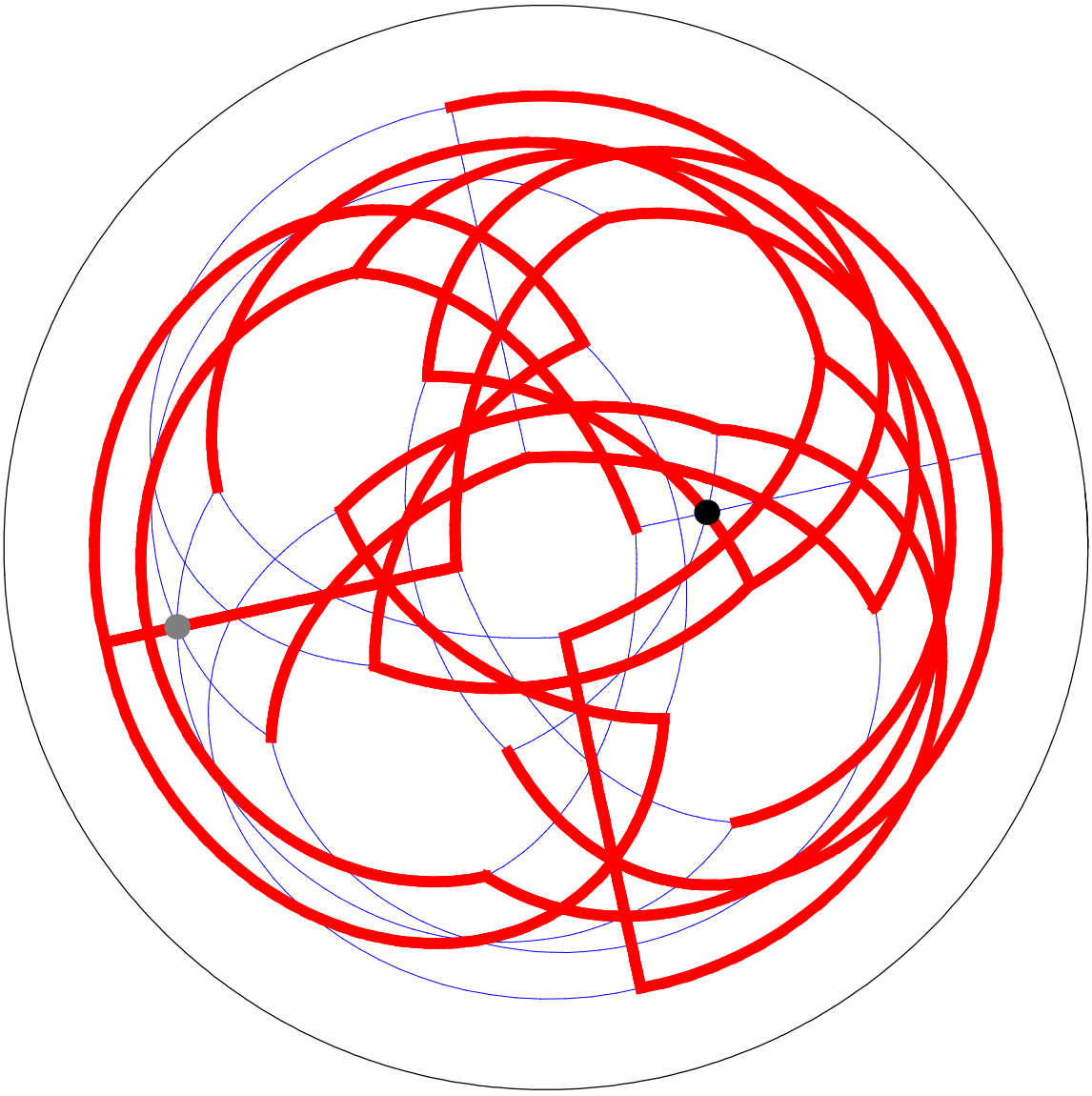
18: small rhombihexahedron
(3/2 2 4|) {8, 4, 8/7, 4/3}



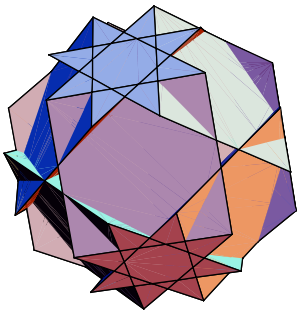


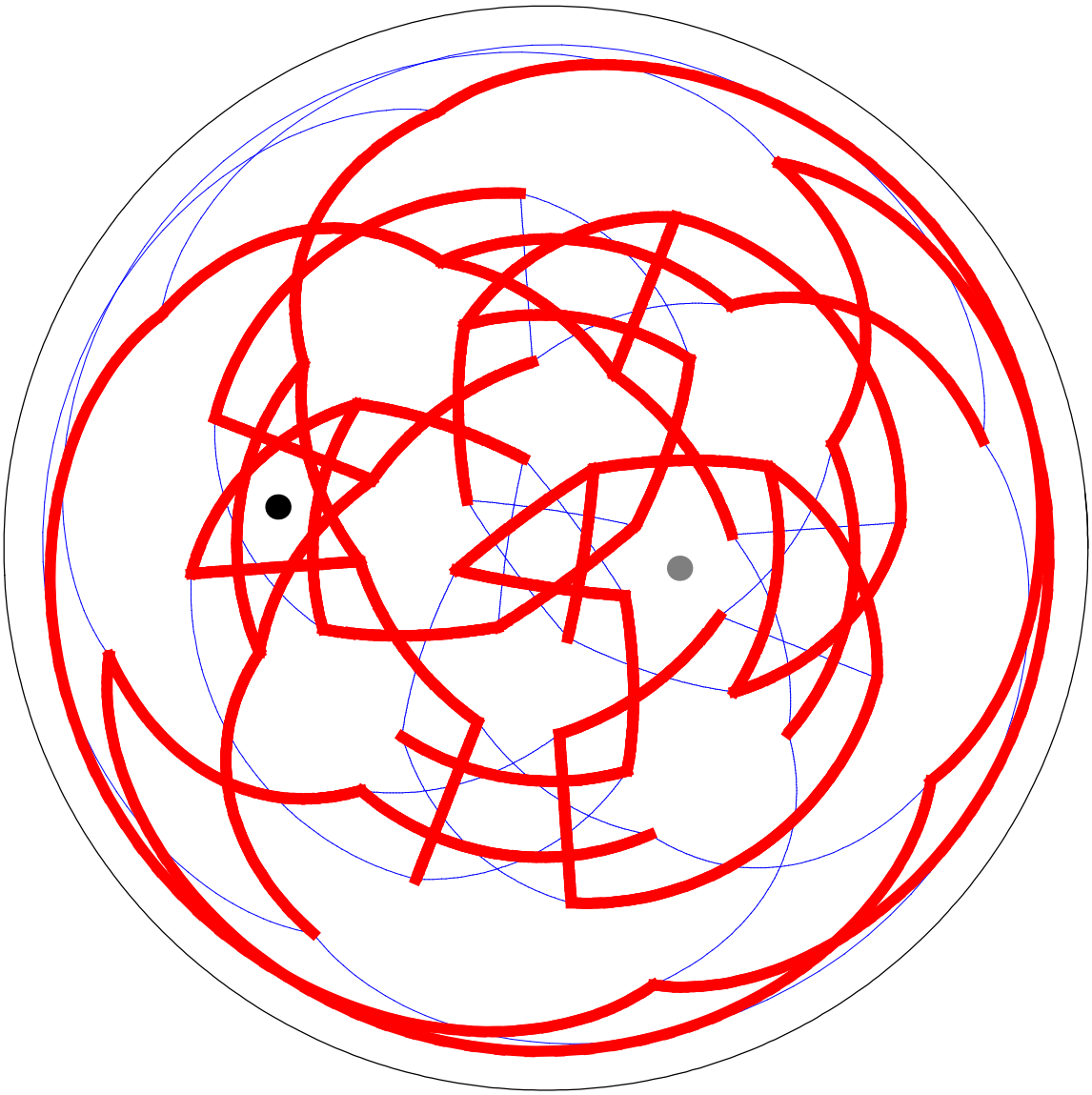
```
19: stellated truncated hexahedron
(2 3|4/3)  {8/3, 8/3, 3}
```



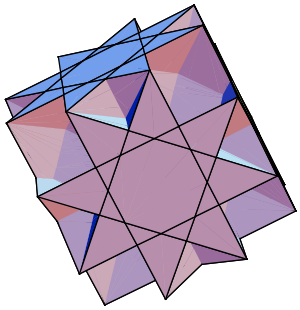


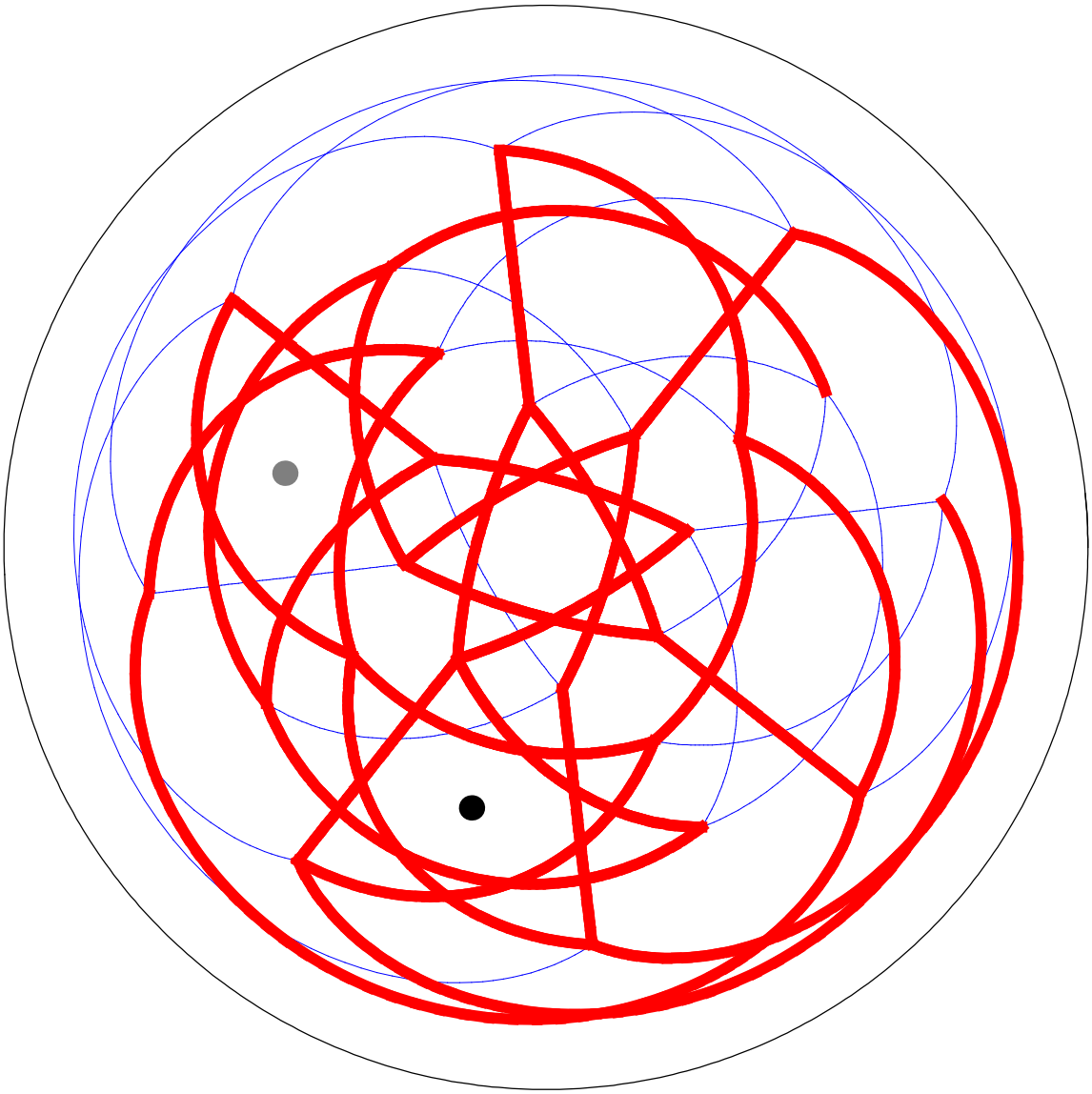
20: great truncated cuboctahedron
(4/3 2 3|) {8/3, 4, 6}



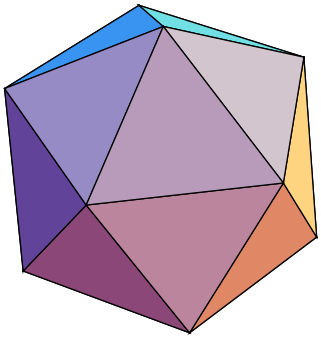


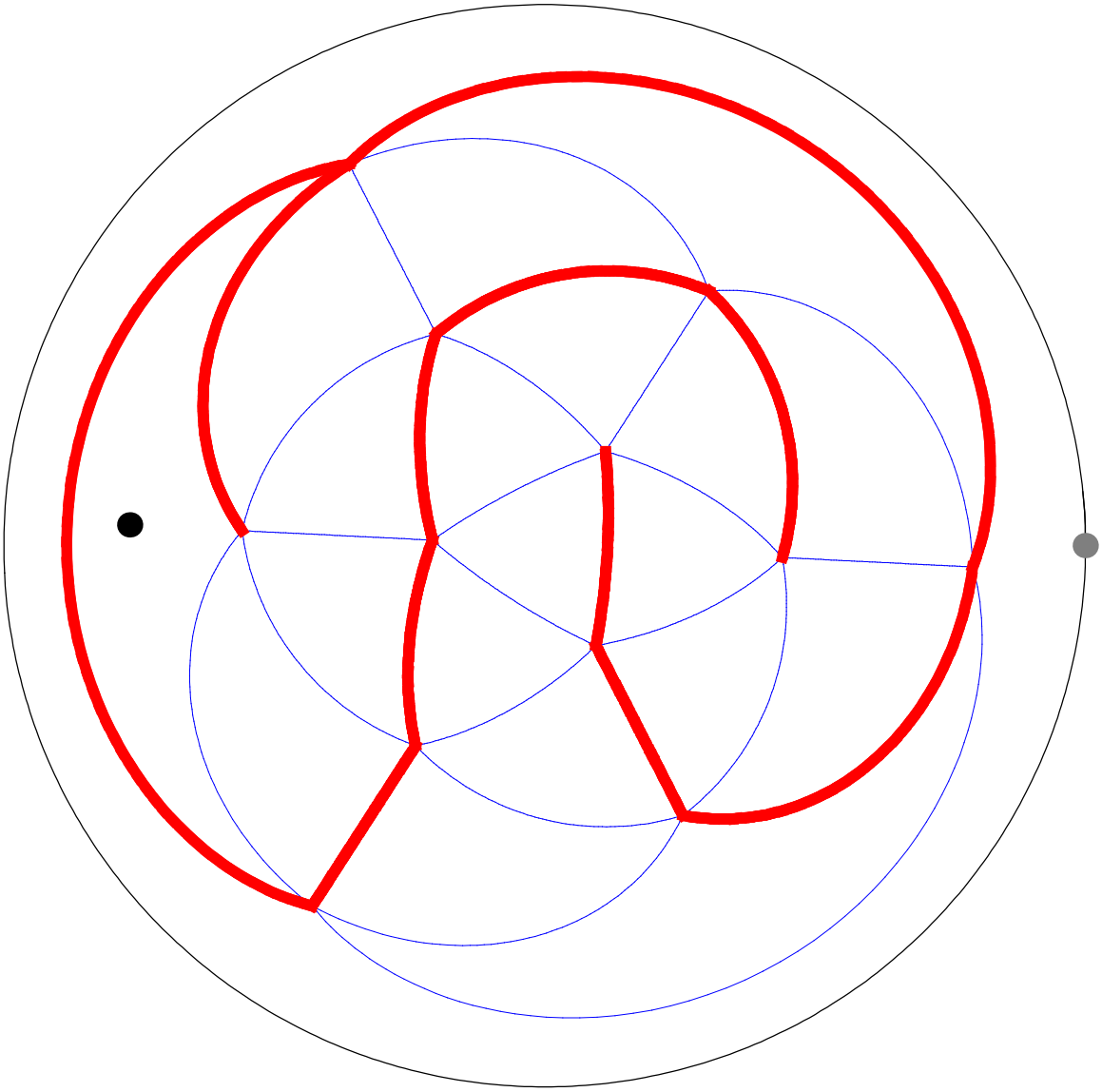
21: great rhombihexahedron
(4/3 3/2 2|) {4, 8/3, 4/3, 8/5}



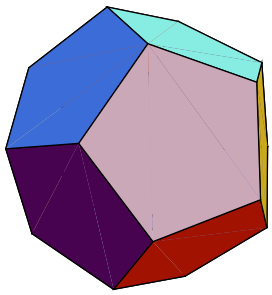


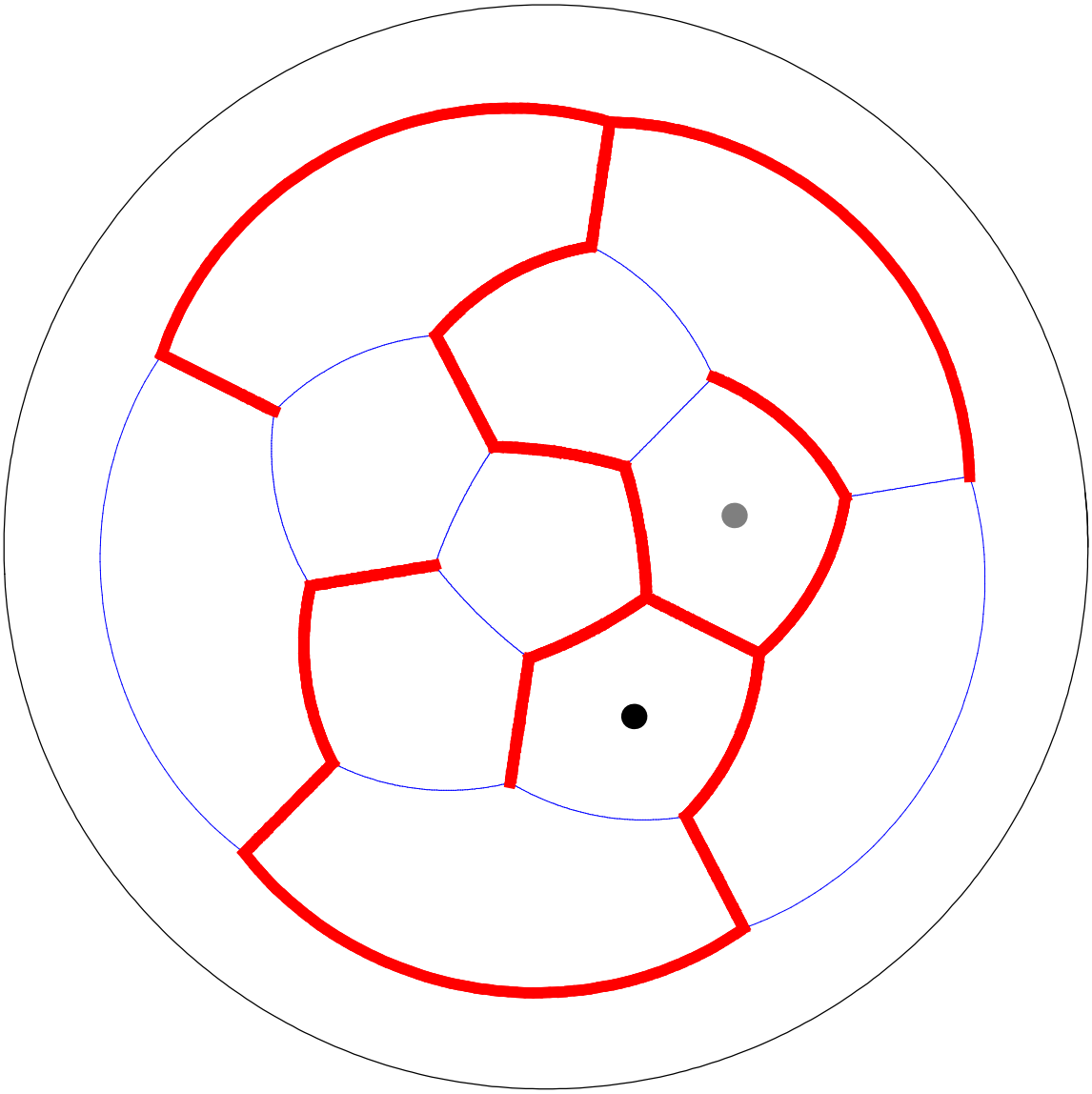
```
22: icosahedron
(5|2 3)  {3, 3, 3, 3, 3}
```



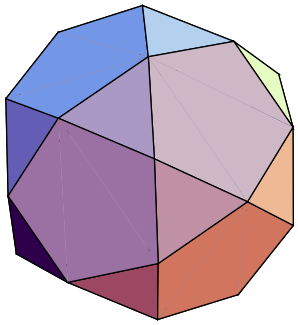


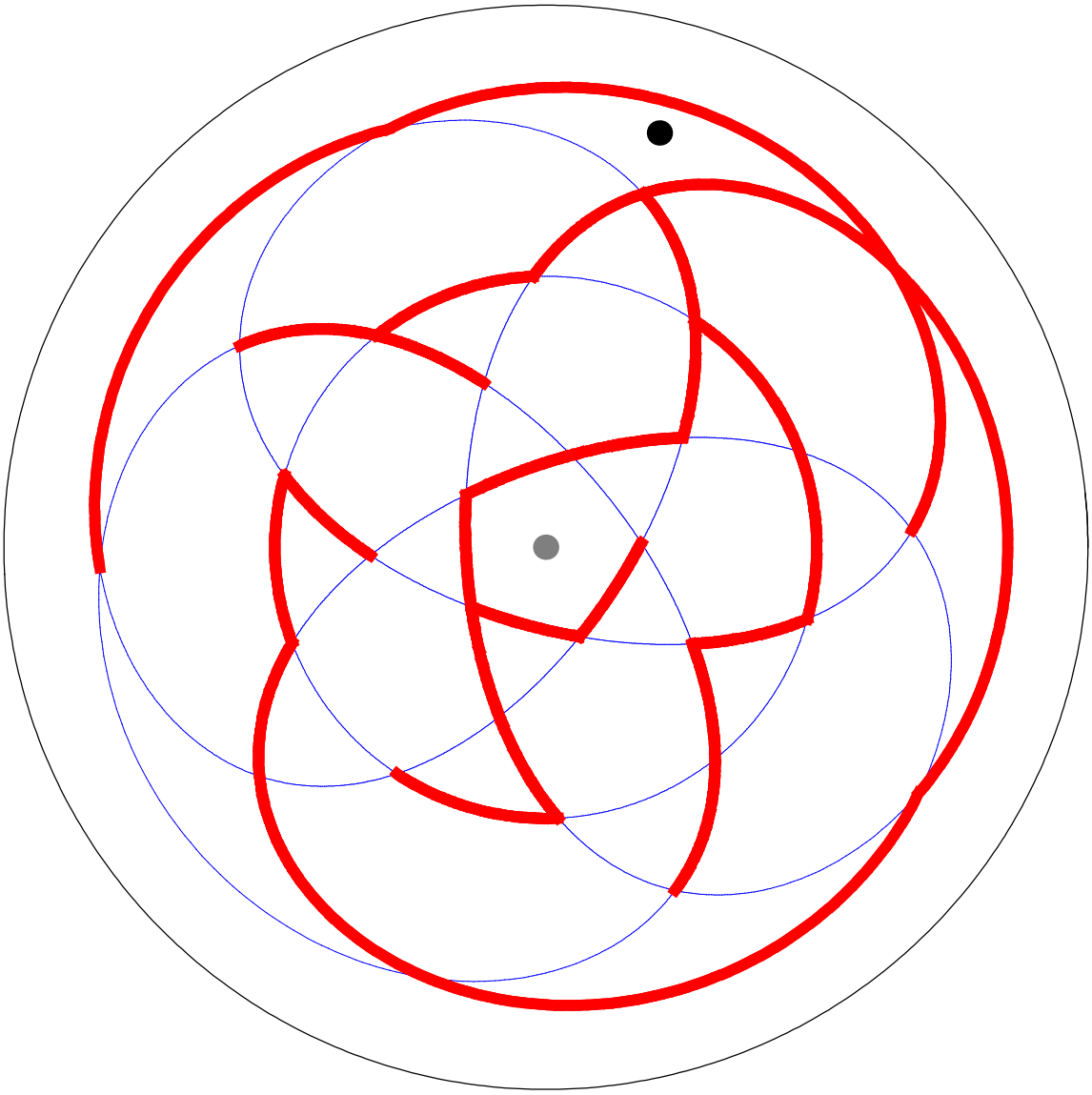
```
23: dodecahedron
(3|2 5)  {5, 5, 5}
```



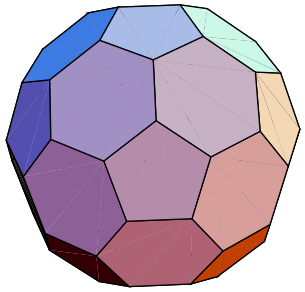


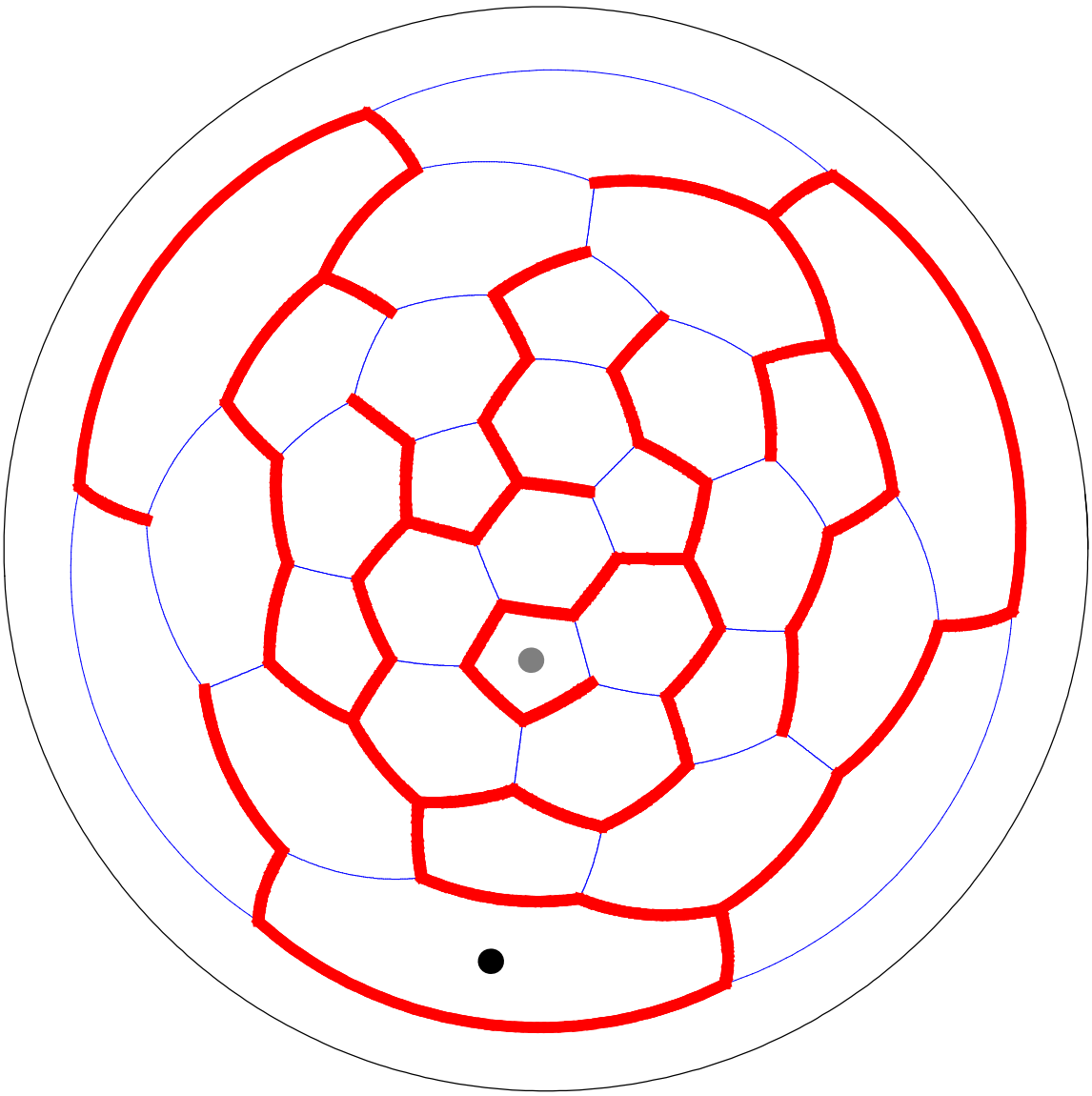
```
24: icosidodecahedron
(2|3 5)  {3, 5, 3, 5}
```



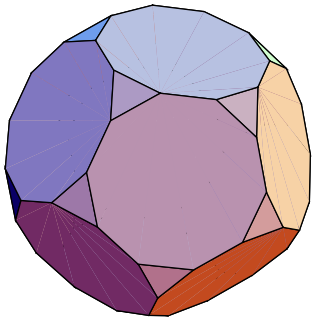


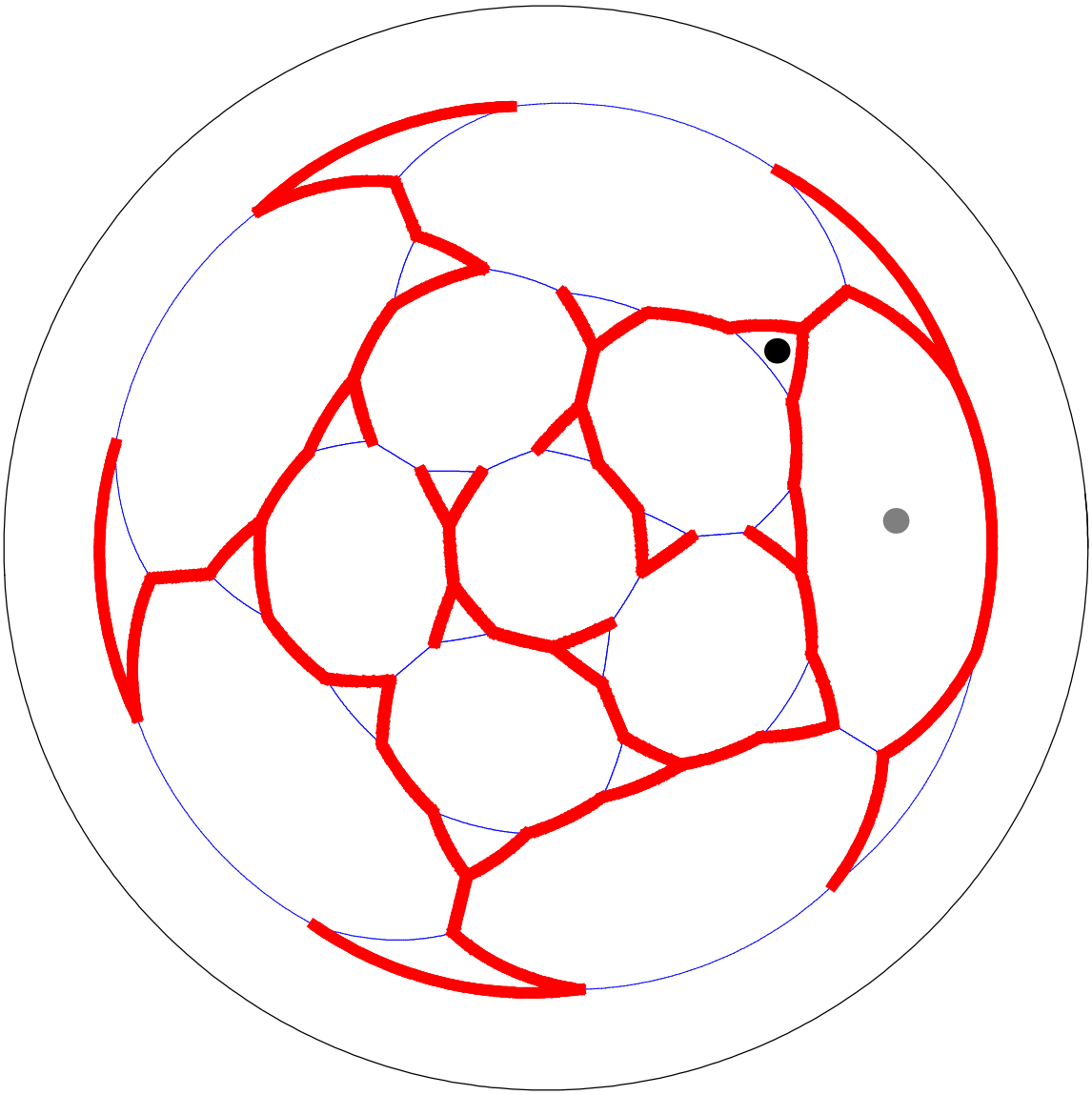
```
25: truncated icosahedron
(2 5|3)  {6, 6, 5}
```



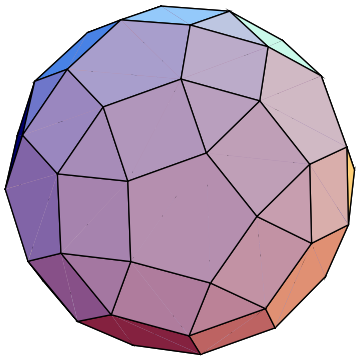


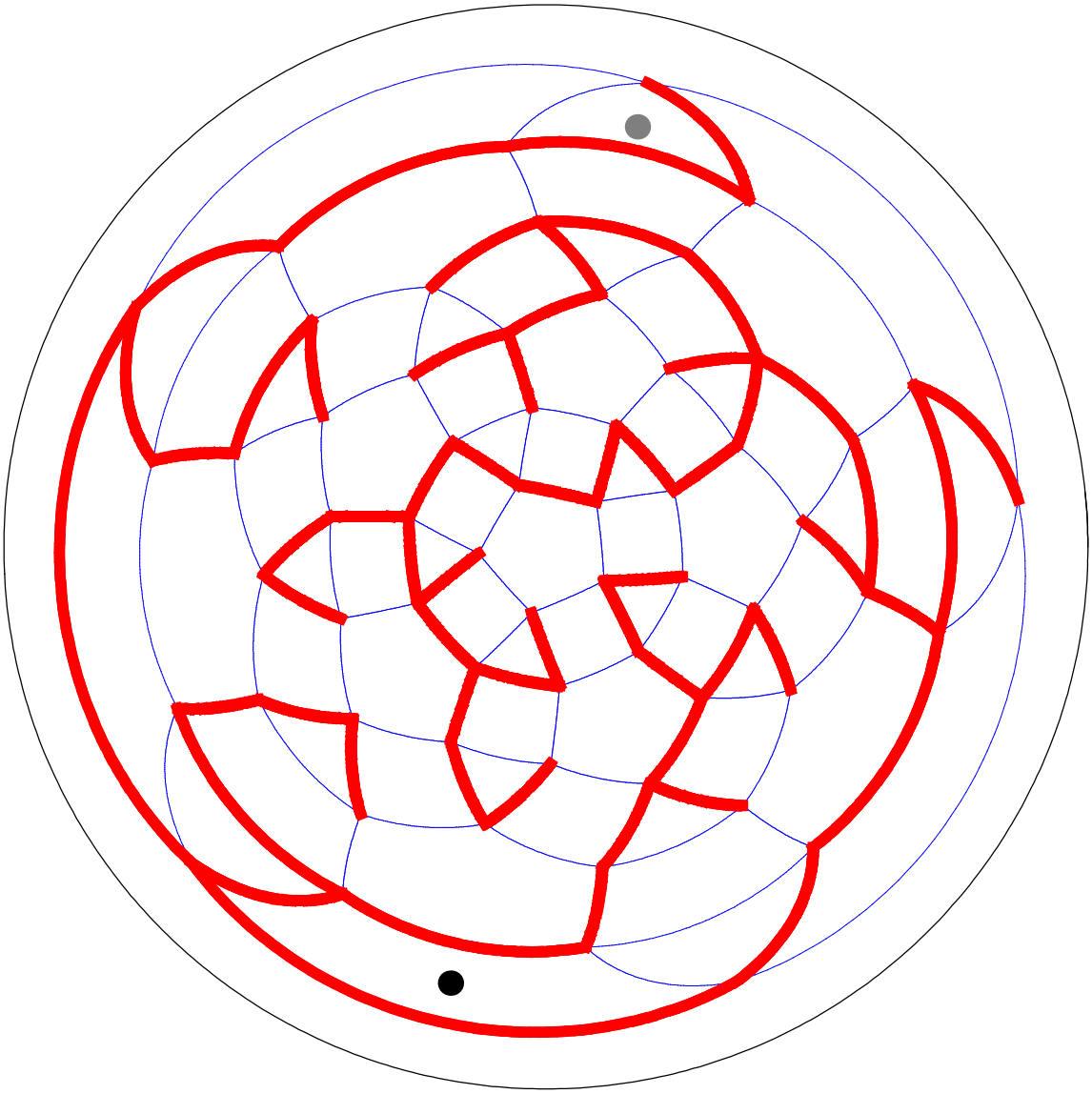
```
26: truncated dodecahedron
(2 3|5)  {10, 10, 3}
```



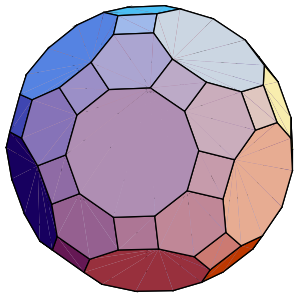


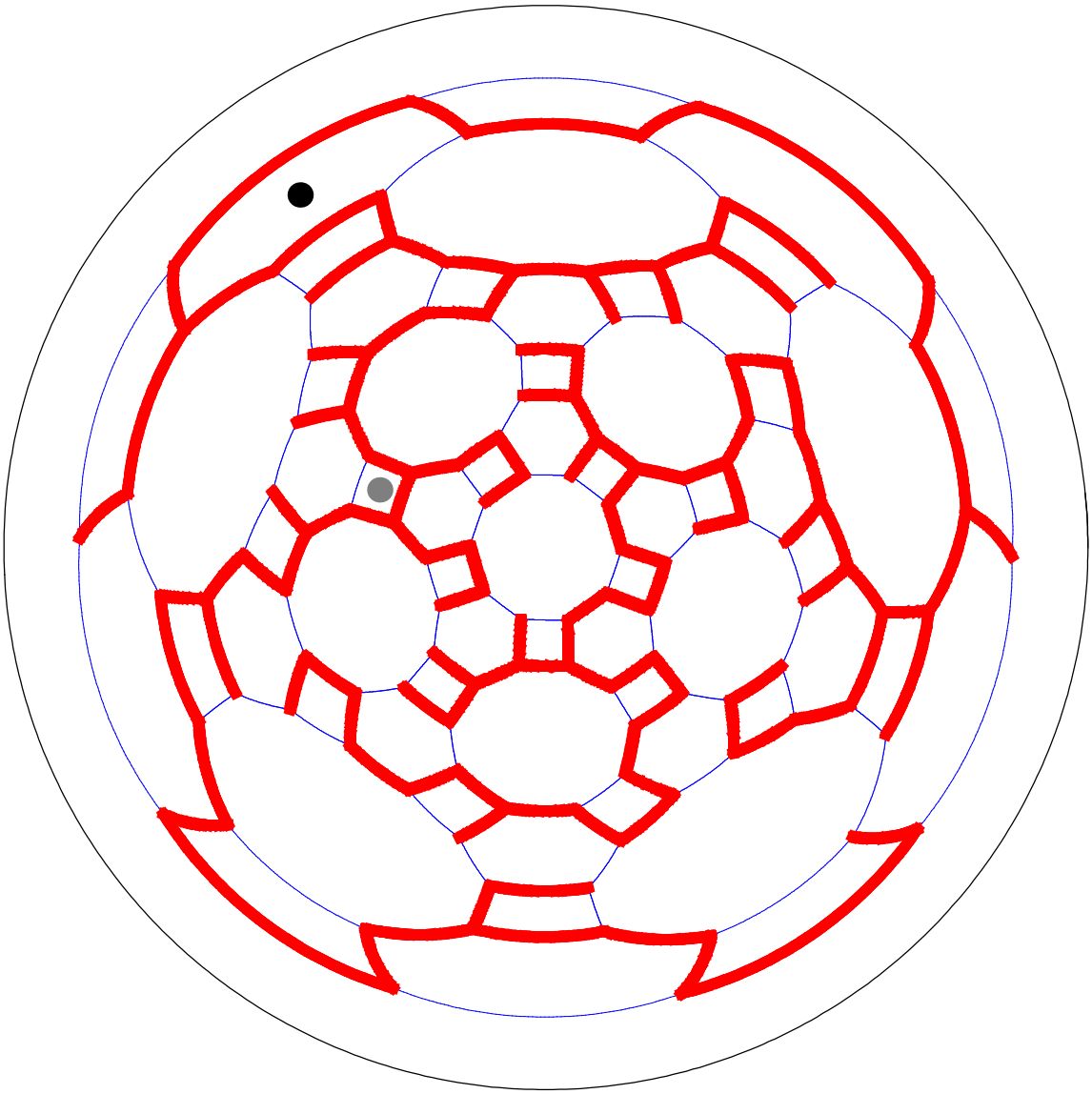
27: rhombicosidodecahedron
(3 5|2) {4, 3, 4, 5}



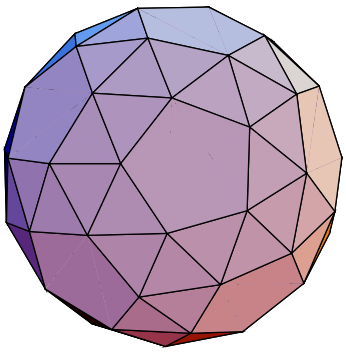


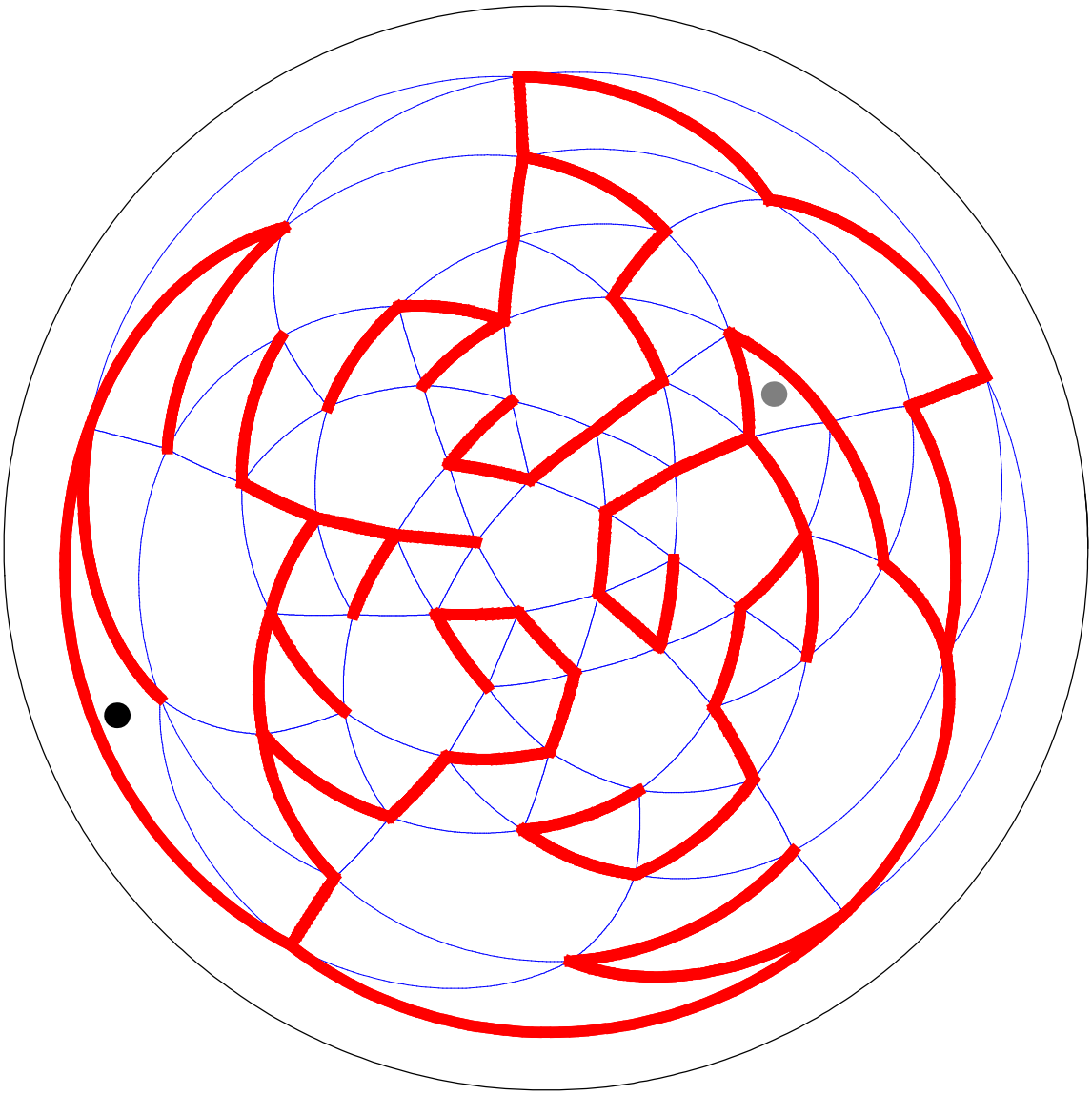
```
28: truncated icosidodecahedron
(2 3 5|)  {4, 6, 10}
```



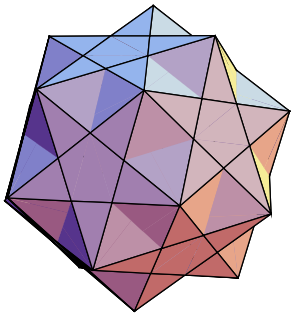


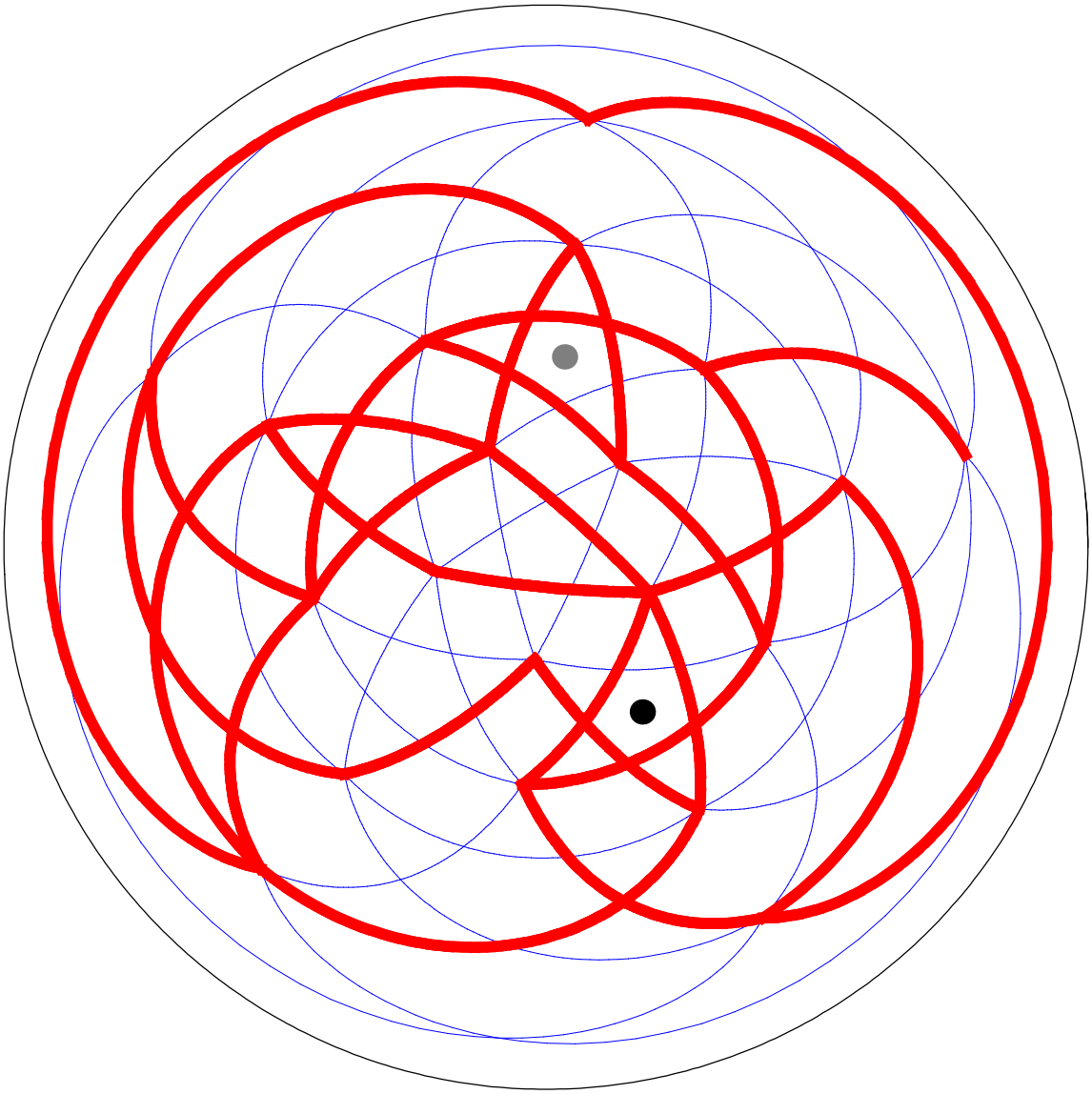
```
29: snub dodecahedron
(|2 3 5)  {3, 3, 3, 3, 5}
```



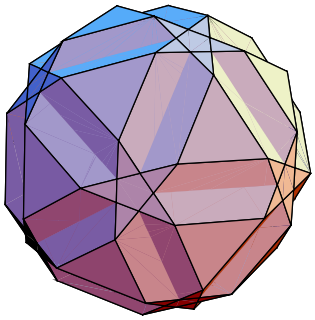


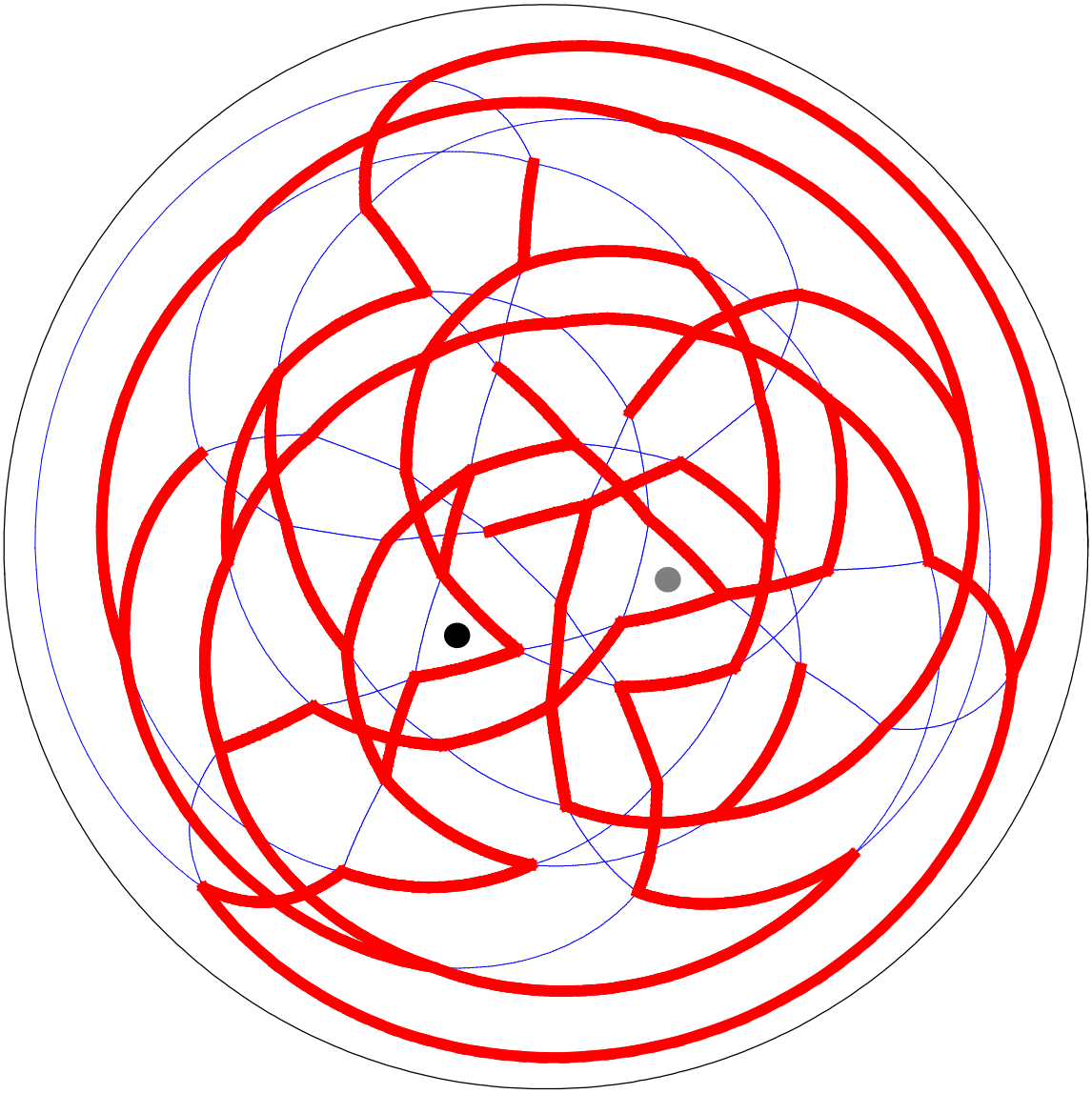
```
: small ditrigonal icosidodecahedr
|5/2 3)  {5/2, 3, 5/2, 3, 5/2, 3}
```



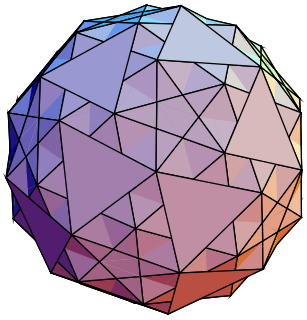


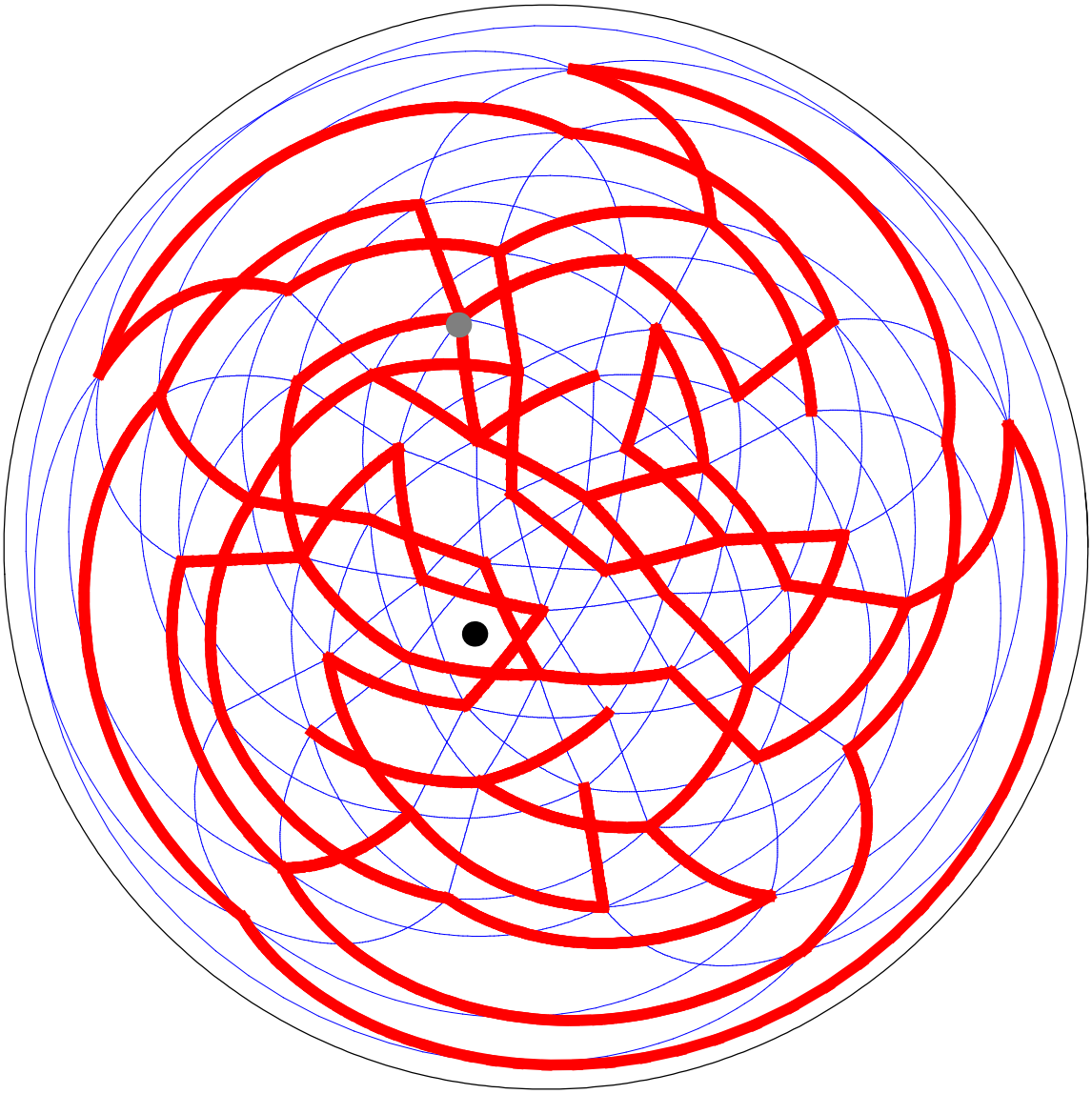
31: small icosicosidodecahedron
(5/2 3|3) {6, 5/2, 6, 3}



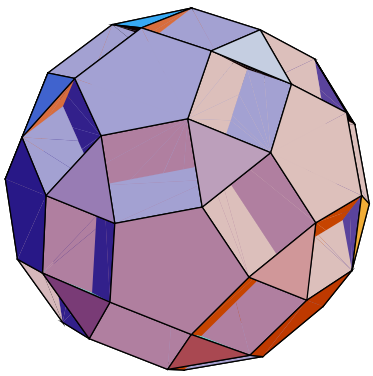


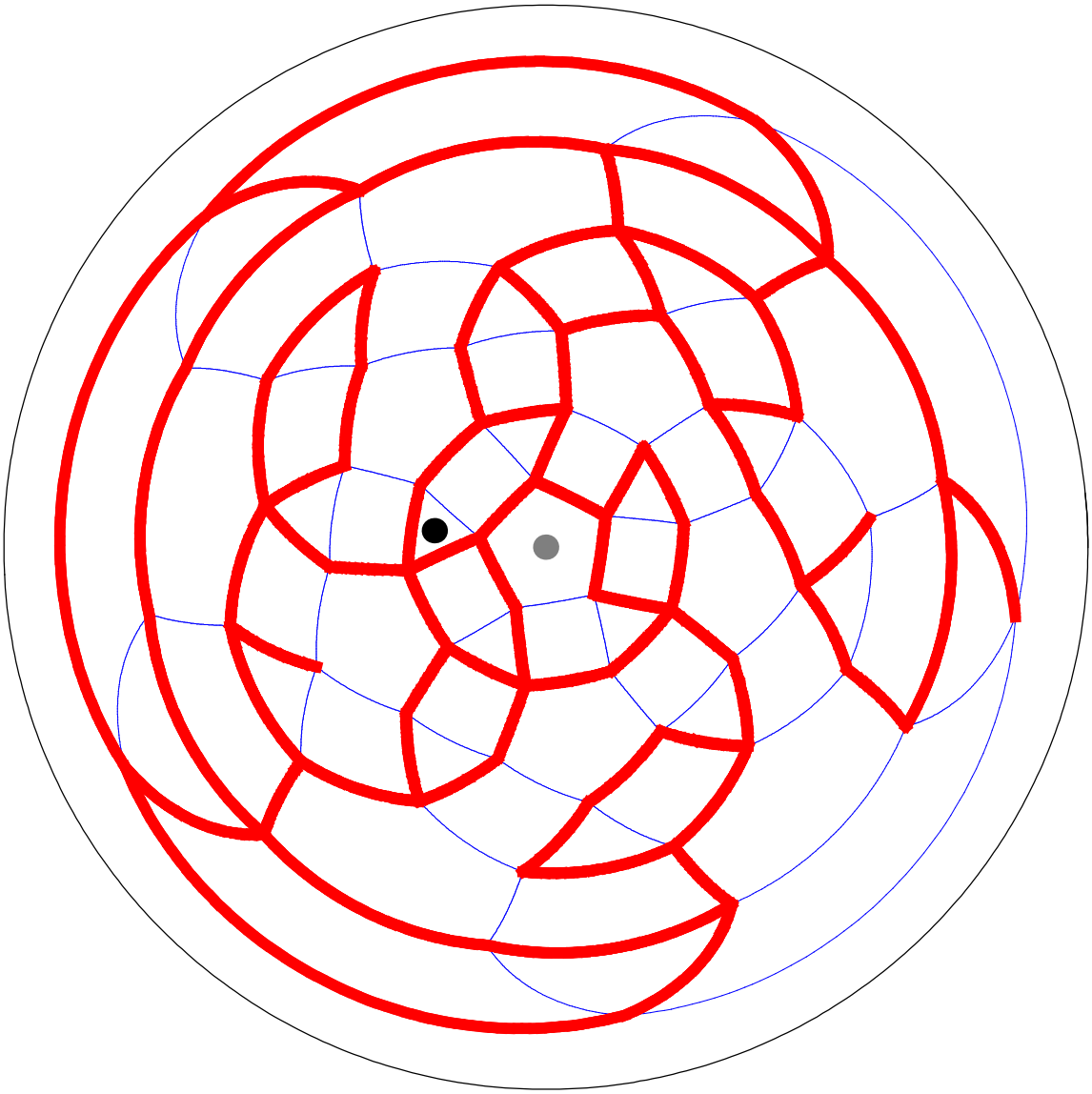
```
2: small snub icosicosidodecahedrc
|5/2 3 3)  {3, 5/2, 3, 3, 3, 3}
```



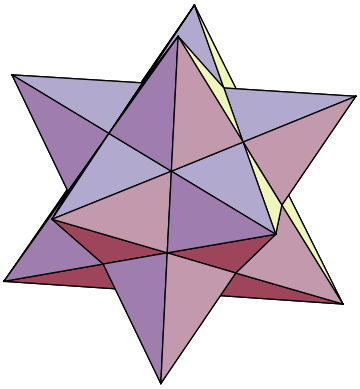


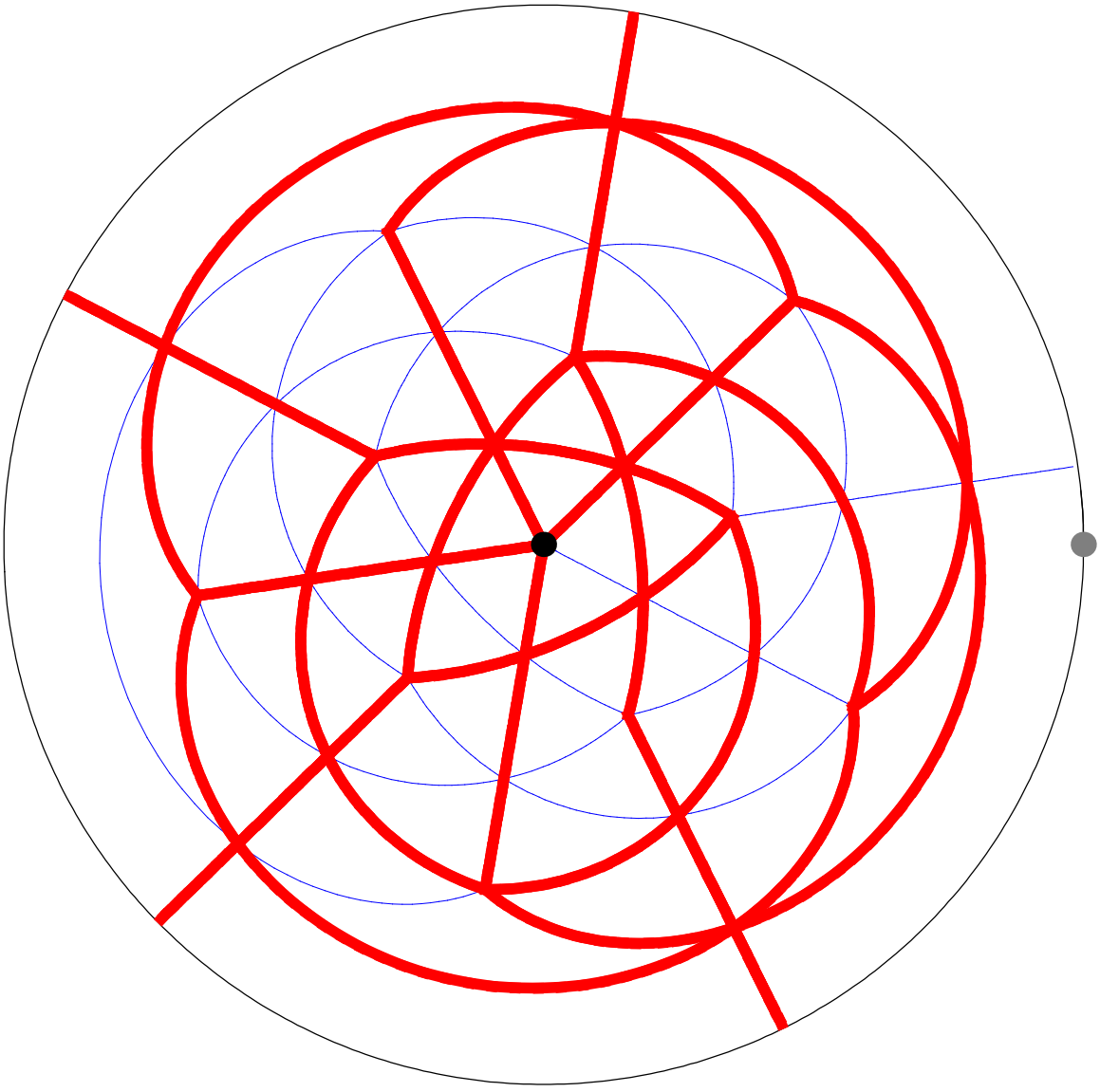
33: small dodecicosidodecahedron
(3/2 5|5) {10, 3/2, 10, 5}



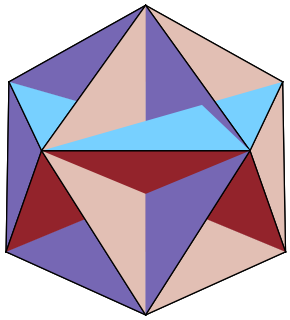


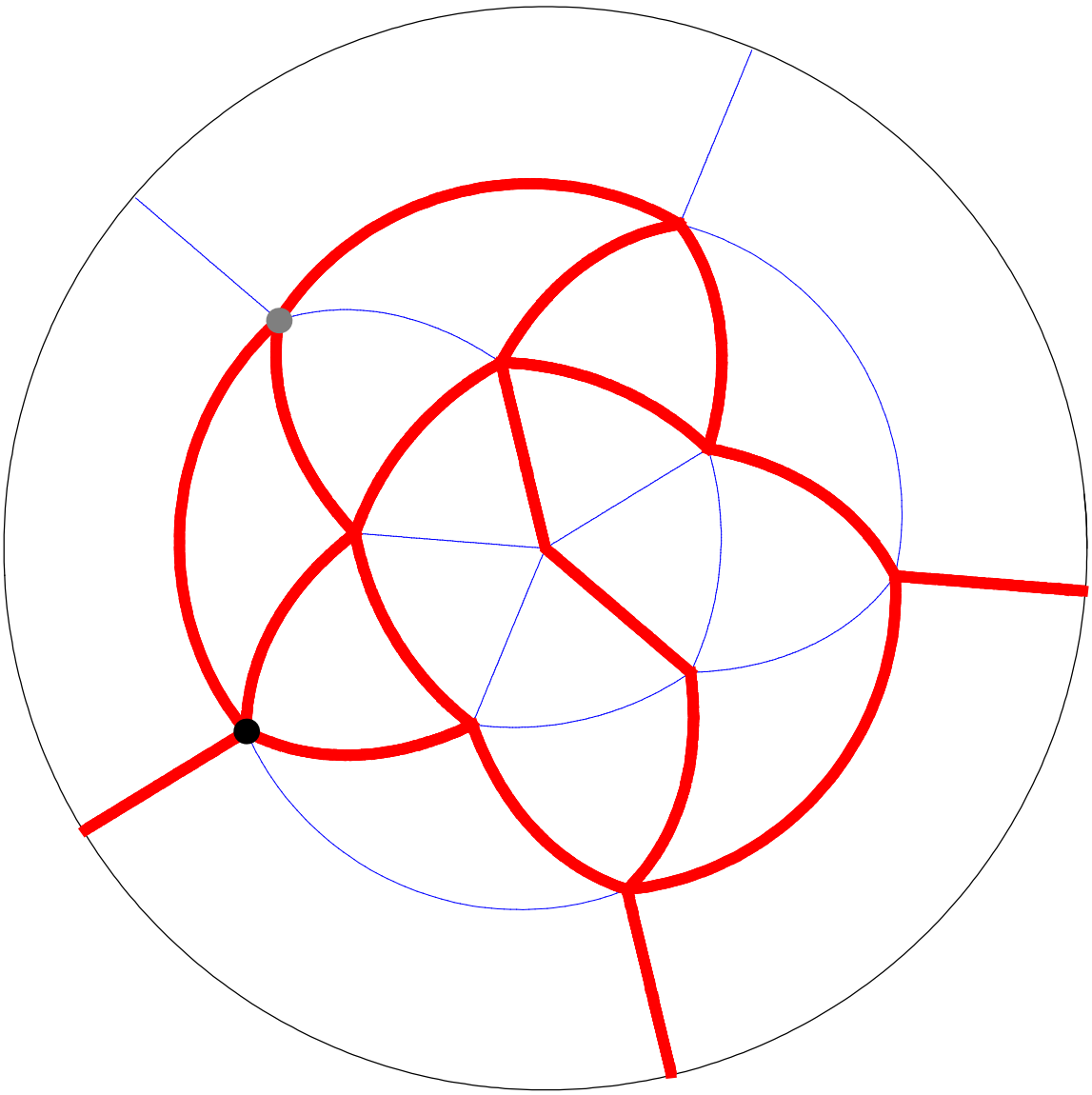
```
4: small stellated dodecahedron
5|2 5/2)  {5/2, 5/2, 5/2, 5/2, 5/2
```



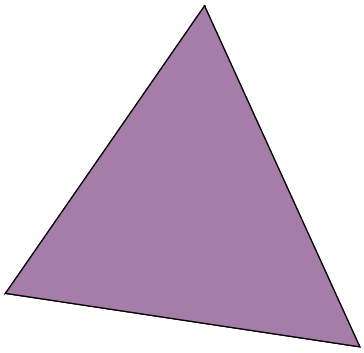


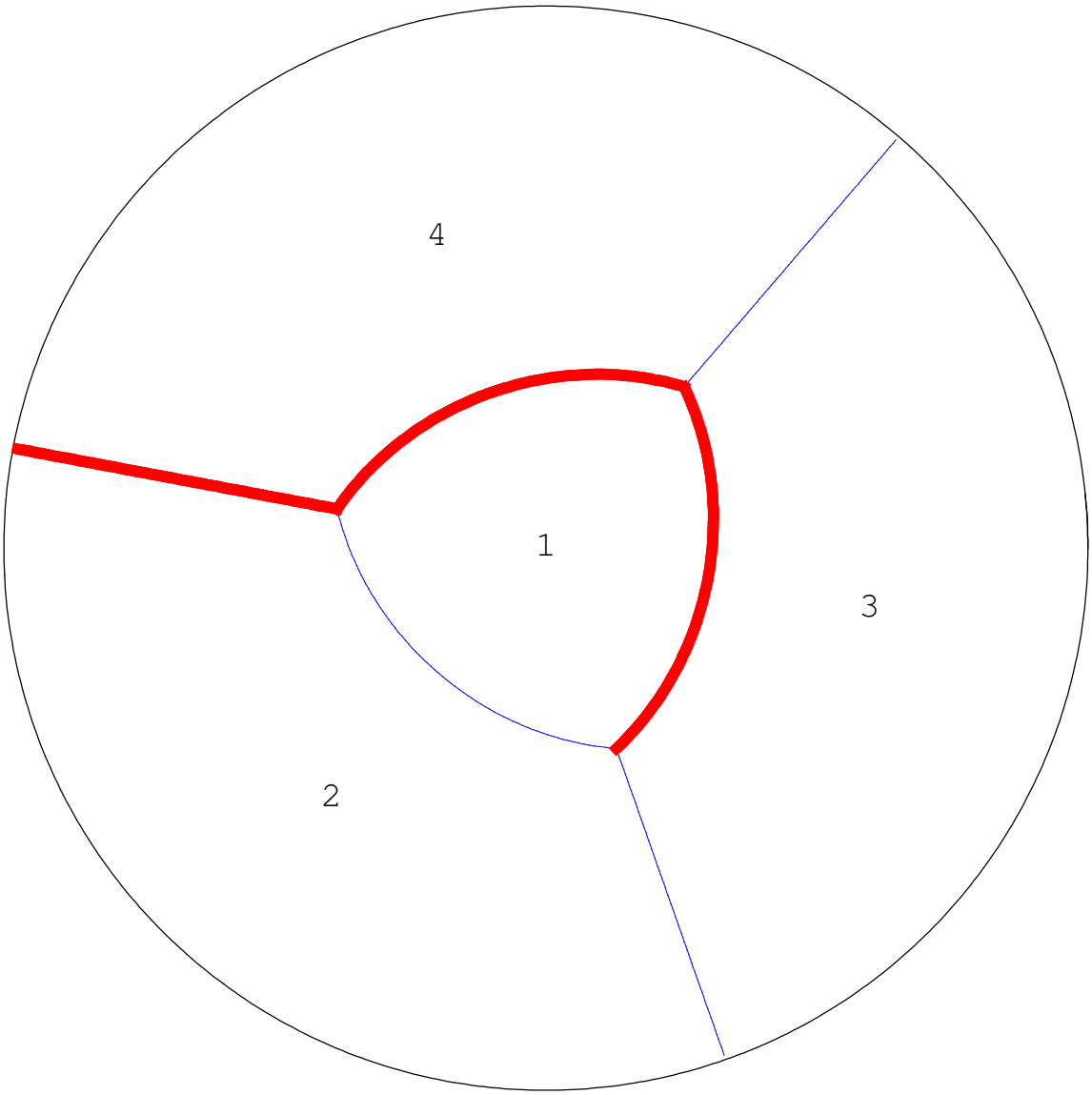
35: great dodecahedron
(5/2|2 5) {5, 5, 5, 5, 5}/2



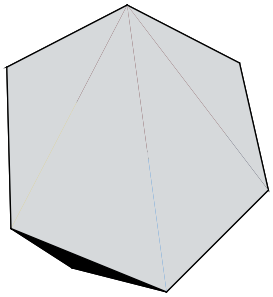


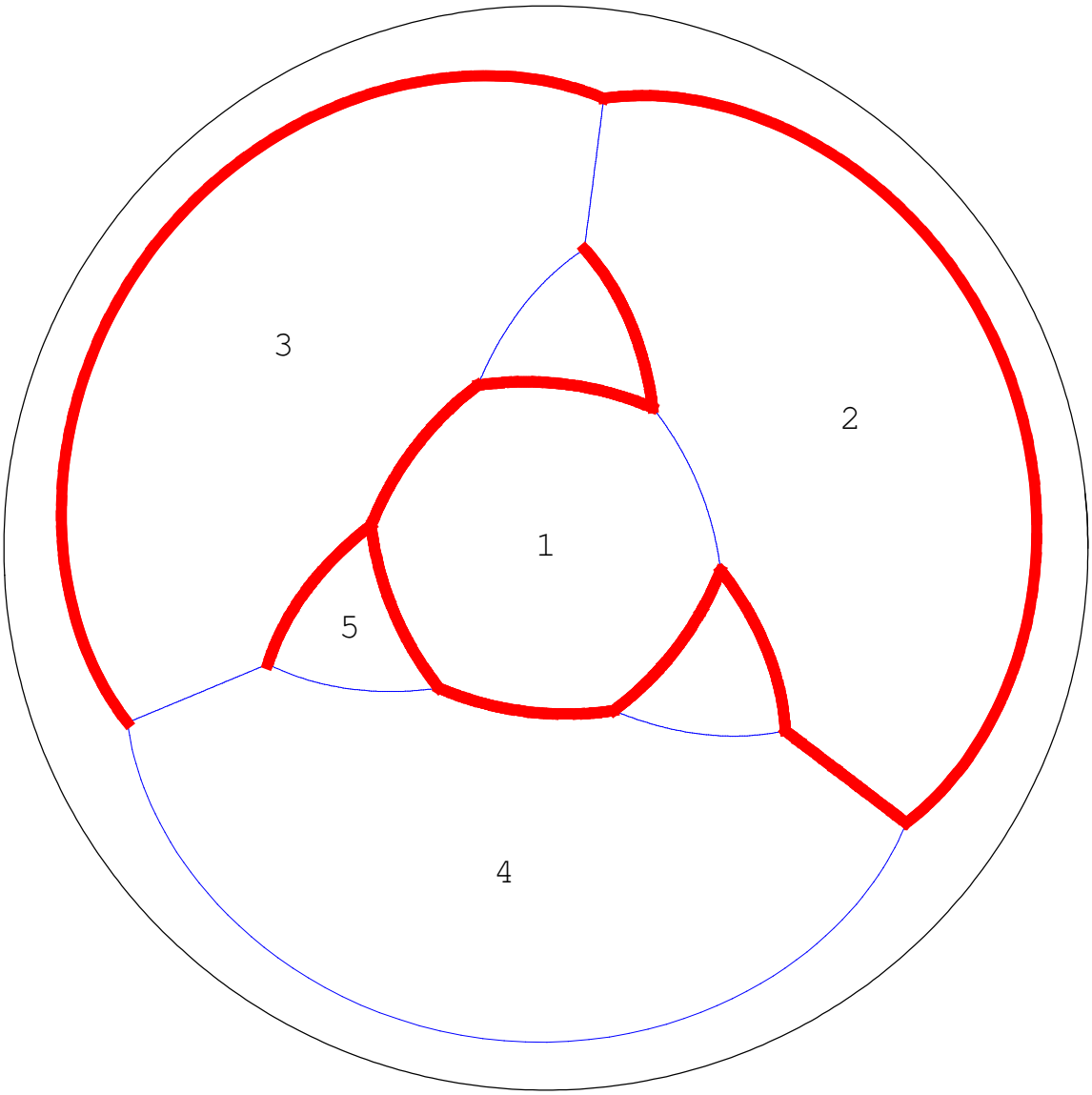
```
1: tetrahedron
(3|2 3)  {3, 3, 3}
```



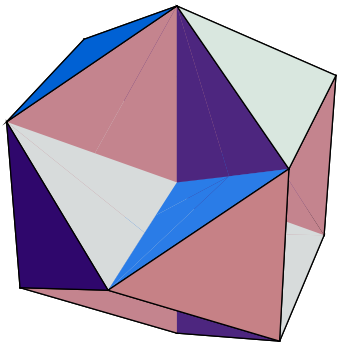


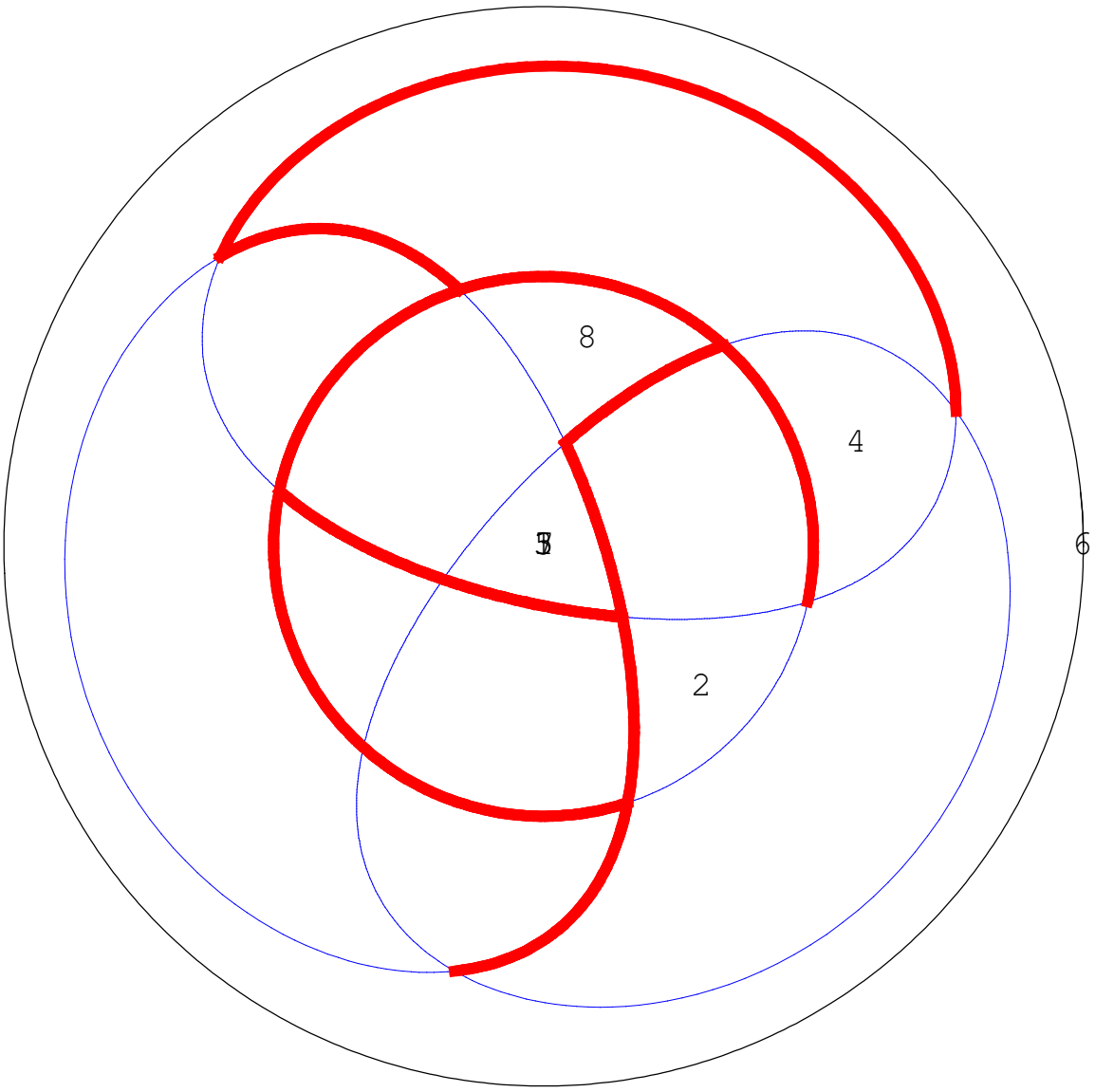
```
2: truncated tetrahedron
(2 3|3)  {6, 6, 3}
```



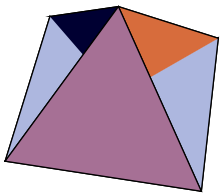


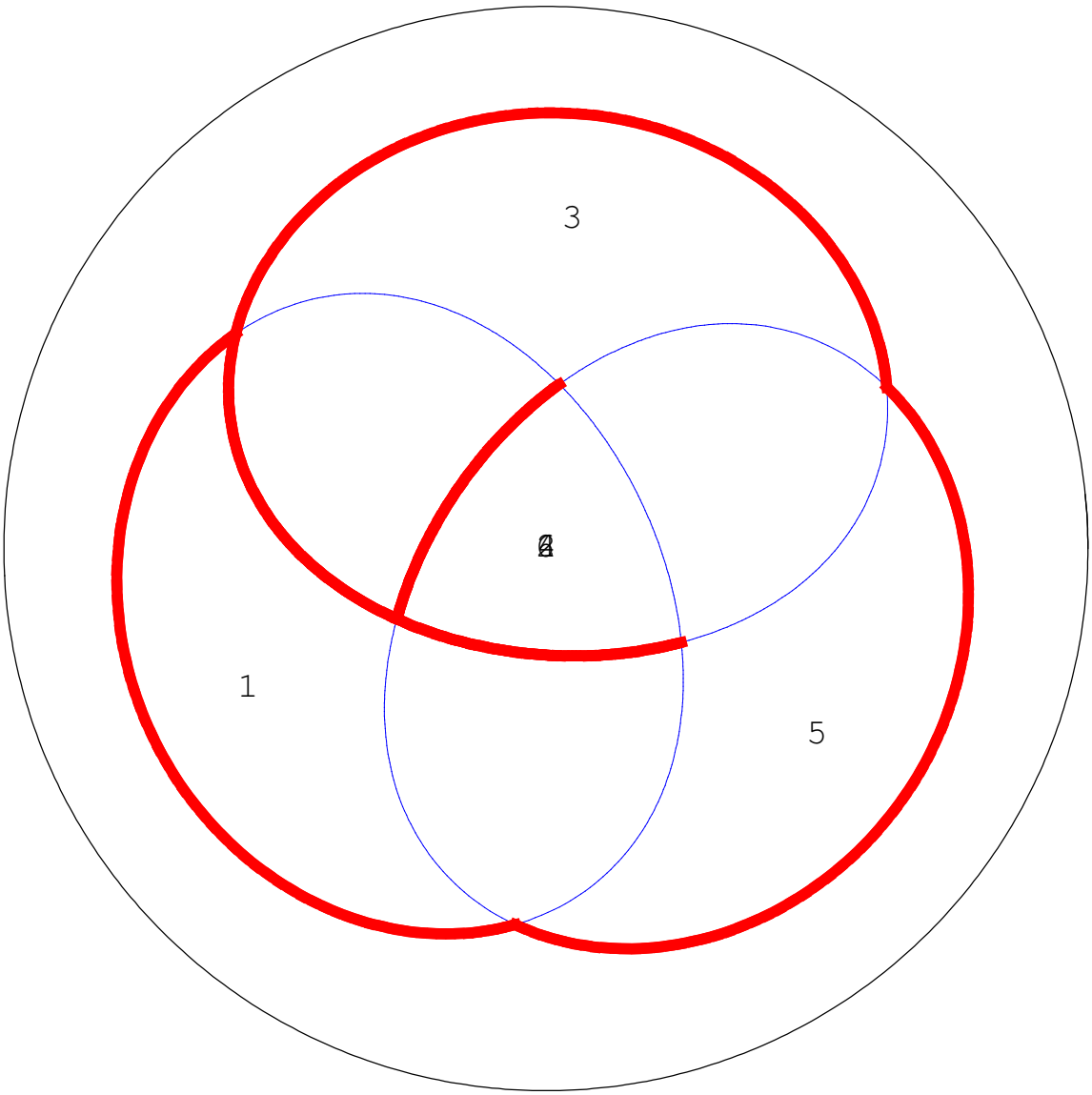
```
3: octahemioctahedron
(3/2 3|3)  {6, 3/2, 6, 3}
```



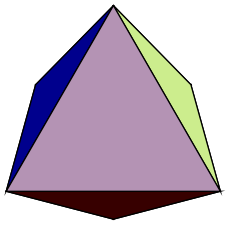


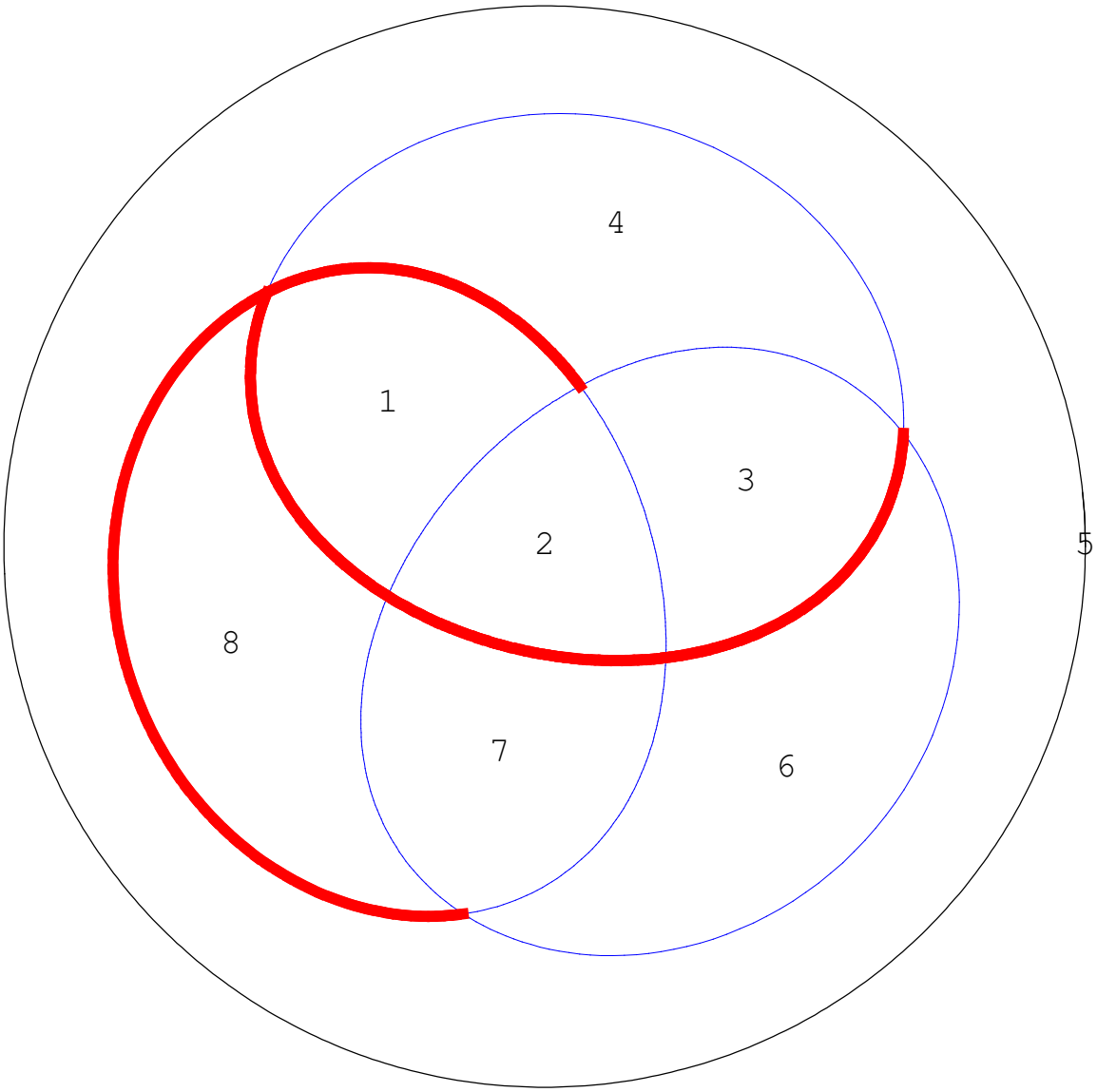
```
4: tetrahemihexahedron
(3/2 3|2)  {4, 3/2, 4, 3}
```



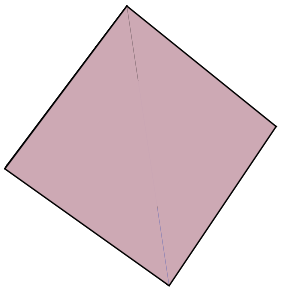


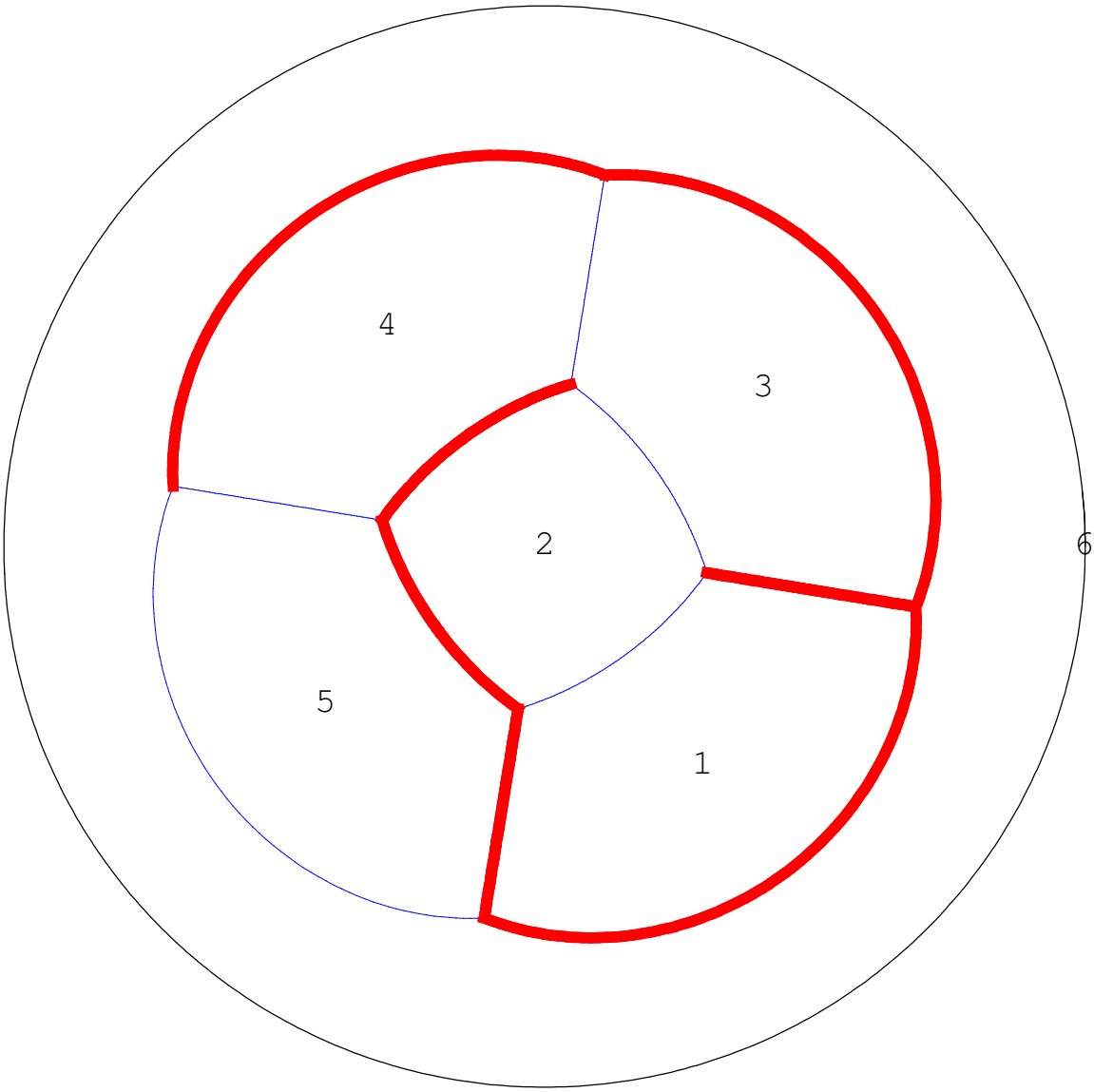
```
5: octahedron
(4|2 3)  {3, 3, 3, 3}
```



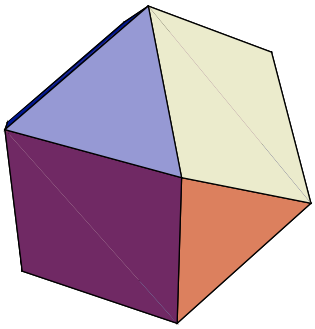


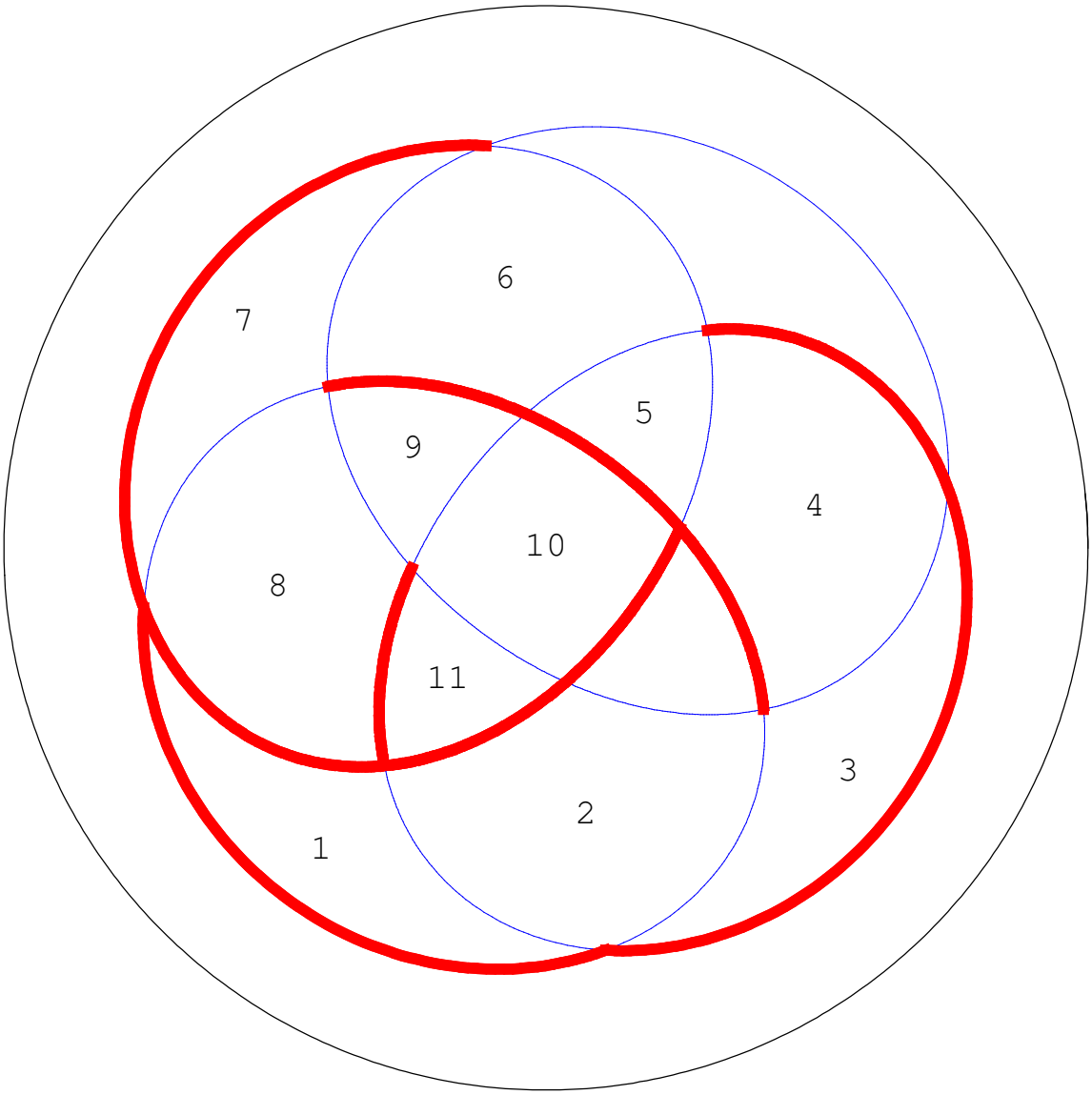
```
6: cube
(3|2 4)  {4, 4, 4}
```



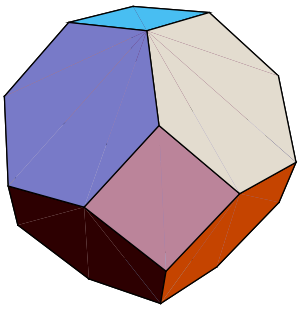


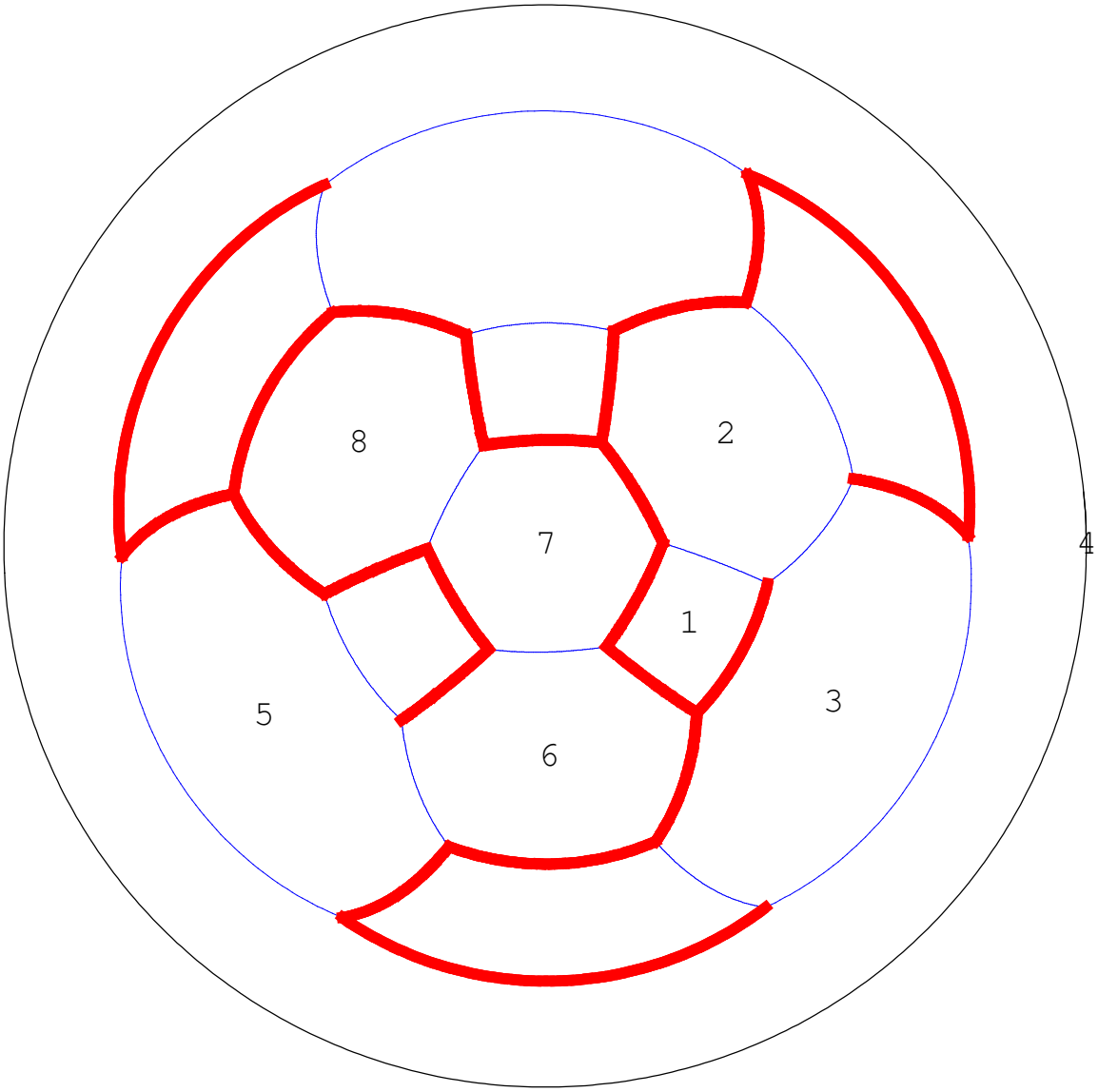
```
7: cuboctahedron
(2|3 4)  {3, 4, 3, 4}
```



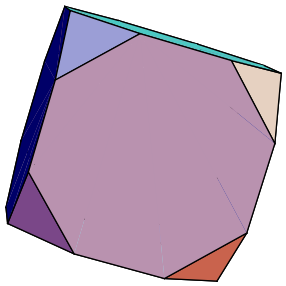


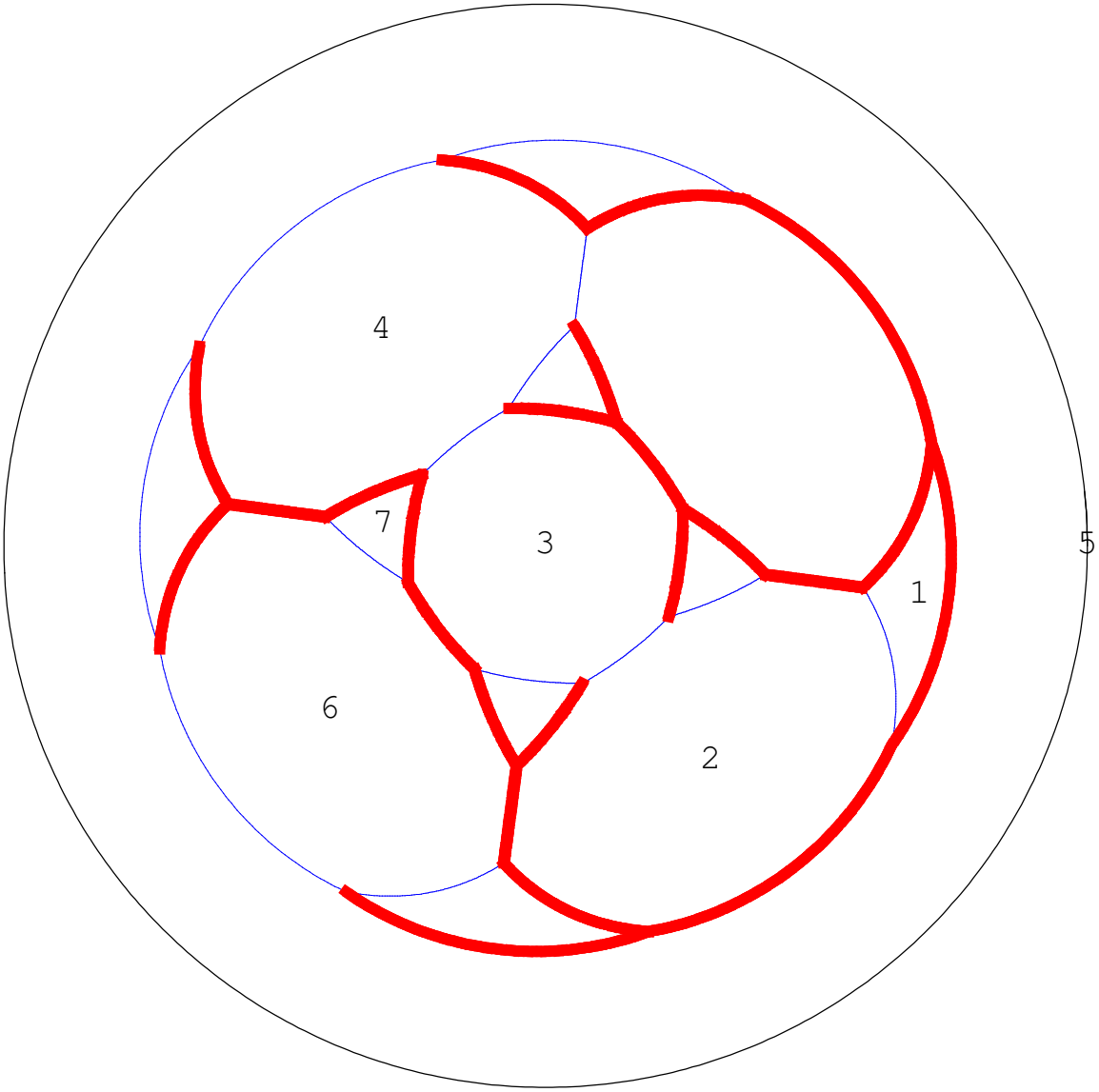
```
8: truncated octahedron
(2 4|3)  {6, 6, 4}
```



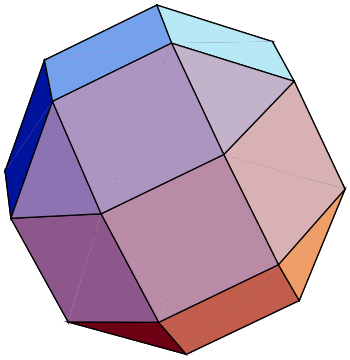


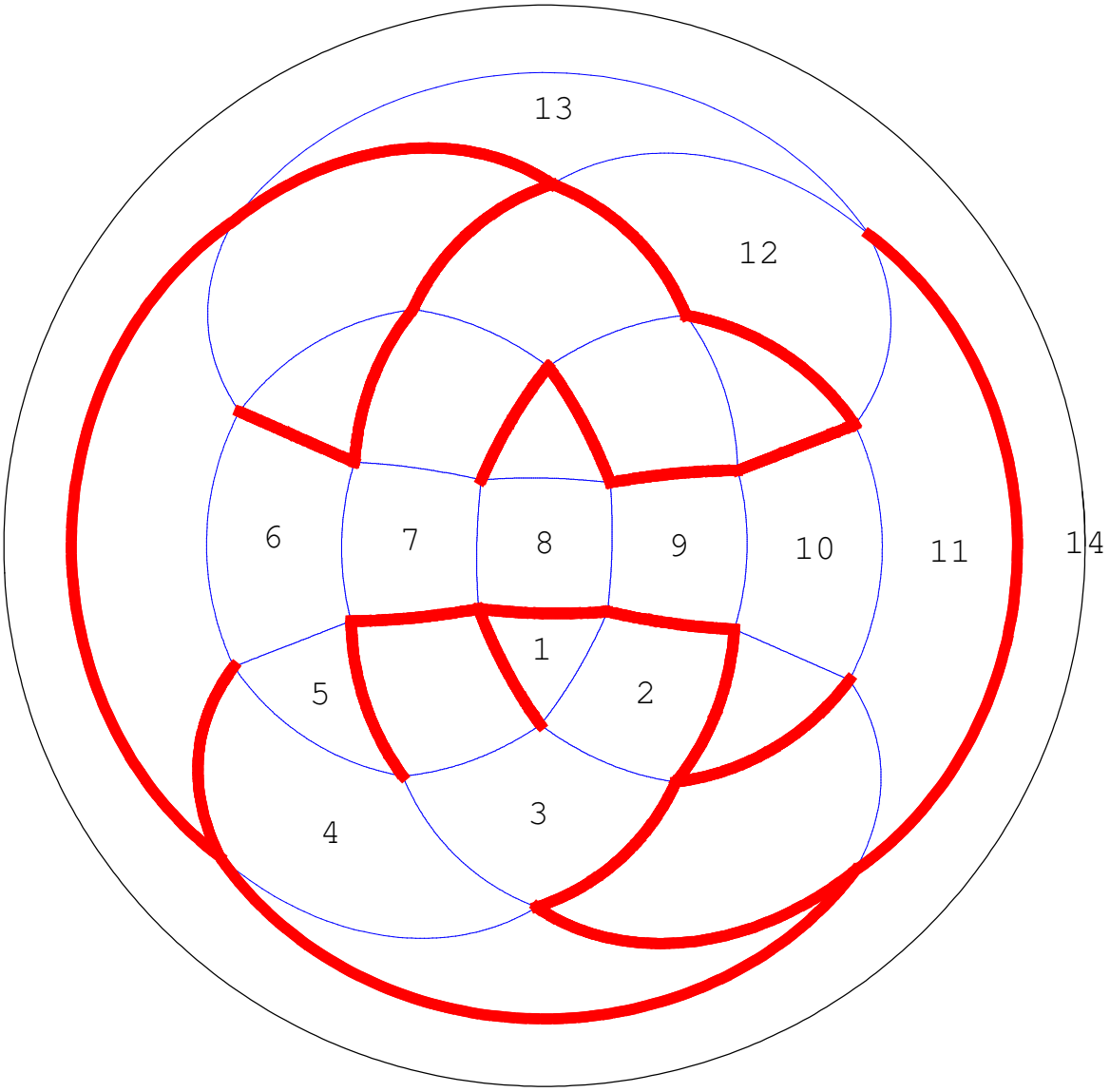
```
9: truncated cube
(2 3|4)  {8, 8, 3}
```



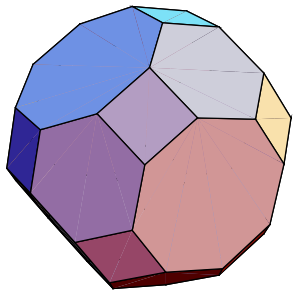


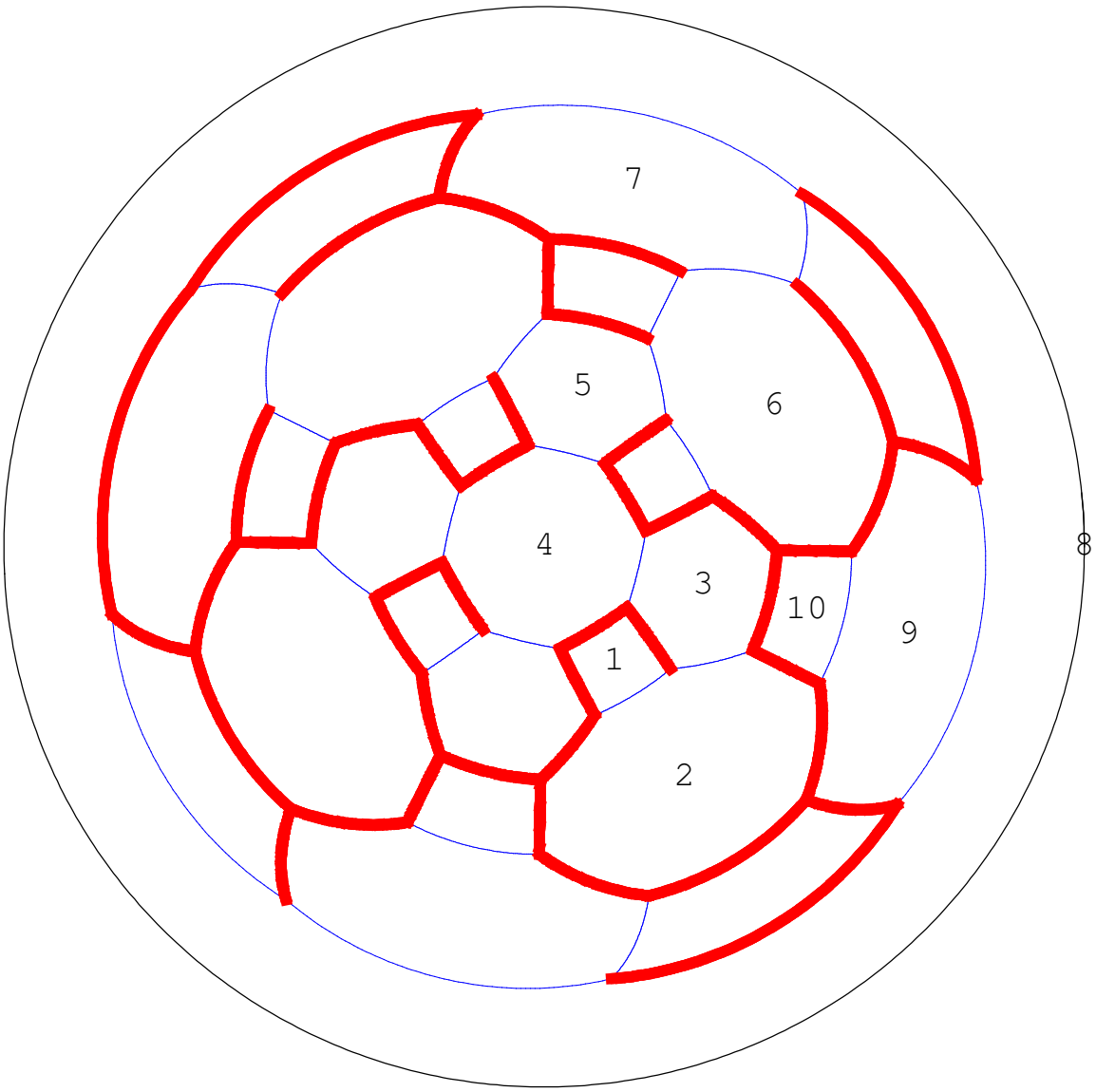
```
10: rhombicuboctahedron
(3 4|2)  {4, 3, 4, 4}
```



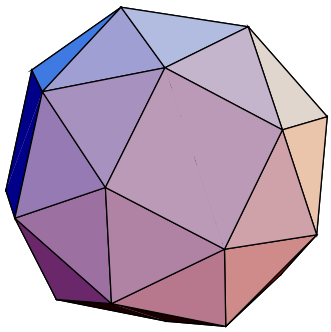


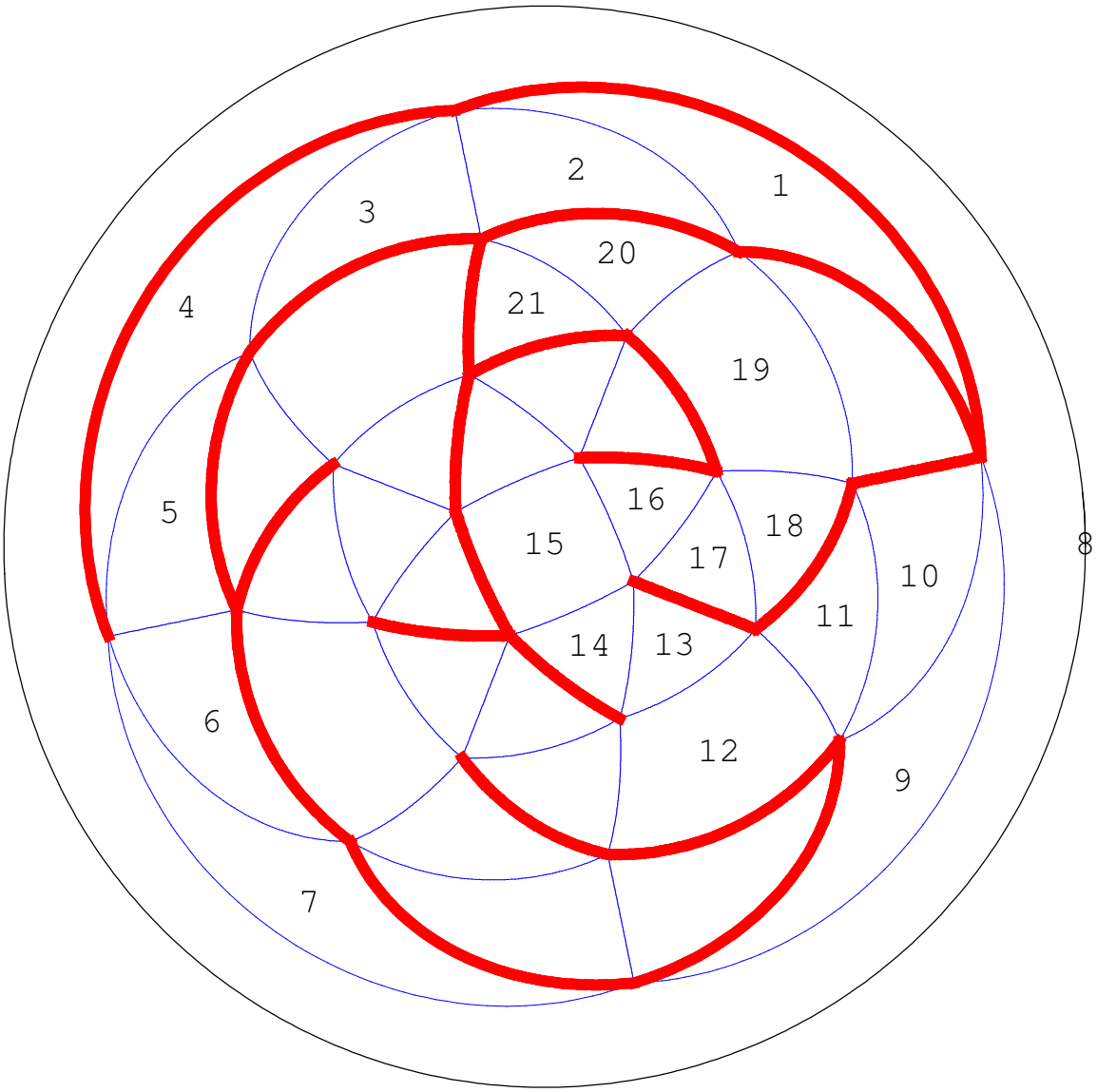
```
11: truncated cuboctahedron
(2 3 4|)  {4, 6, 8}
```



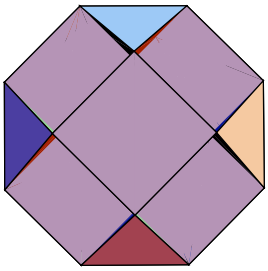


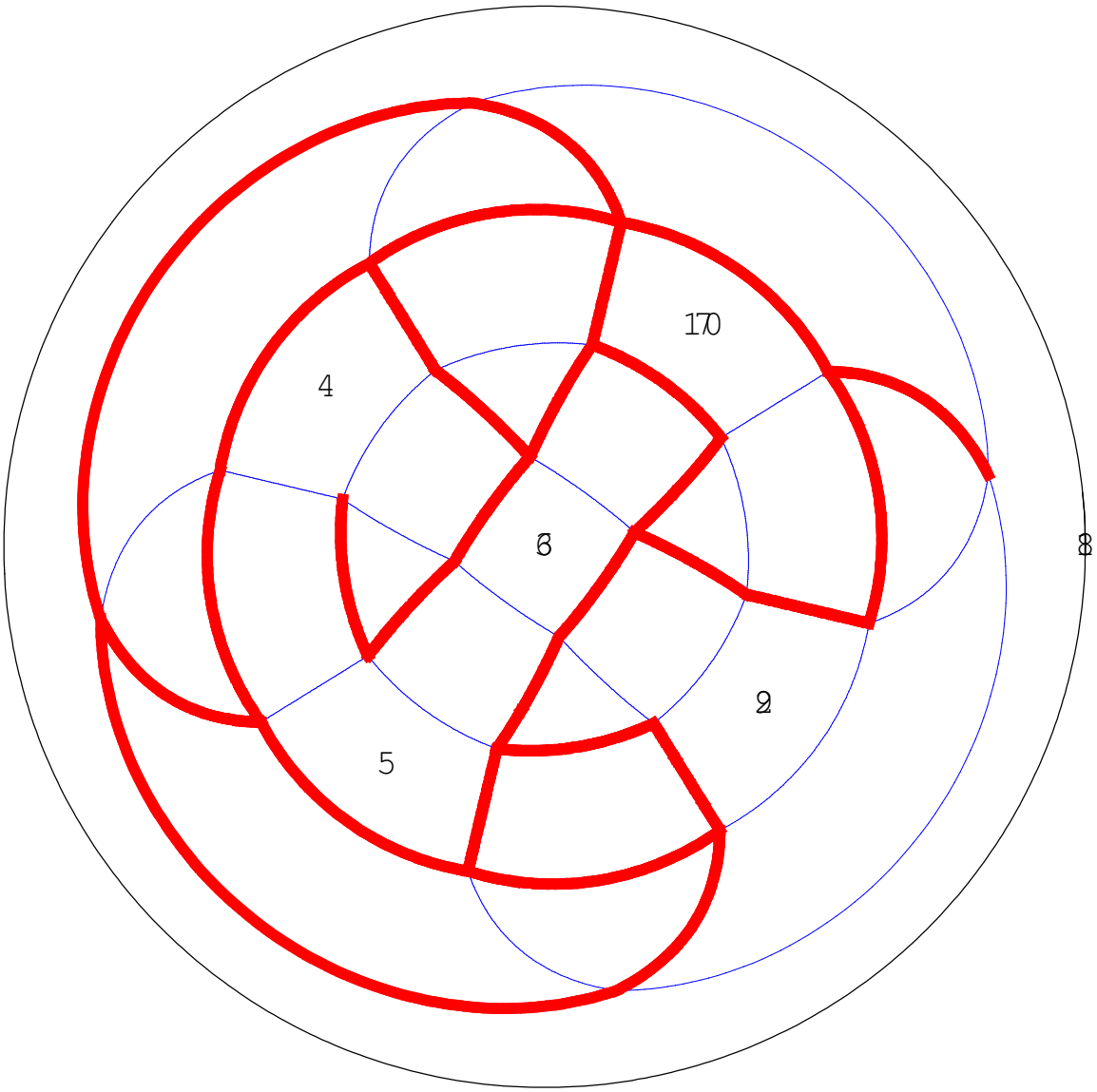
```
12: snub cube
(|2 3 4)  {3, 3, 3, 3, 4}
```



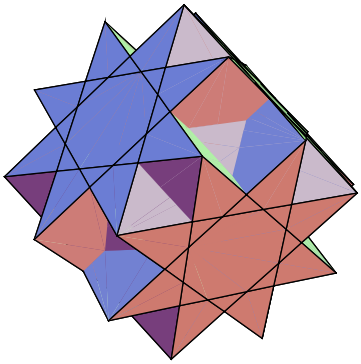


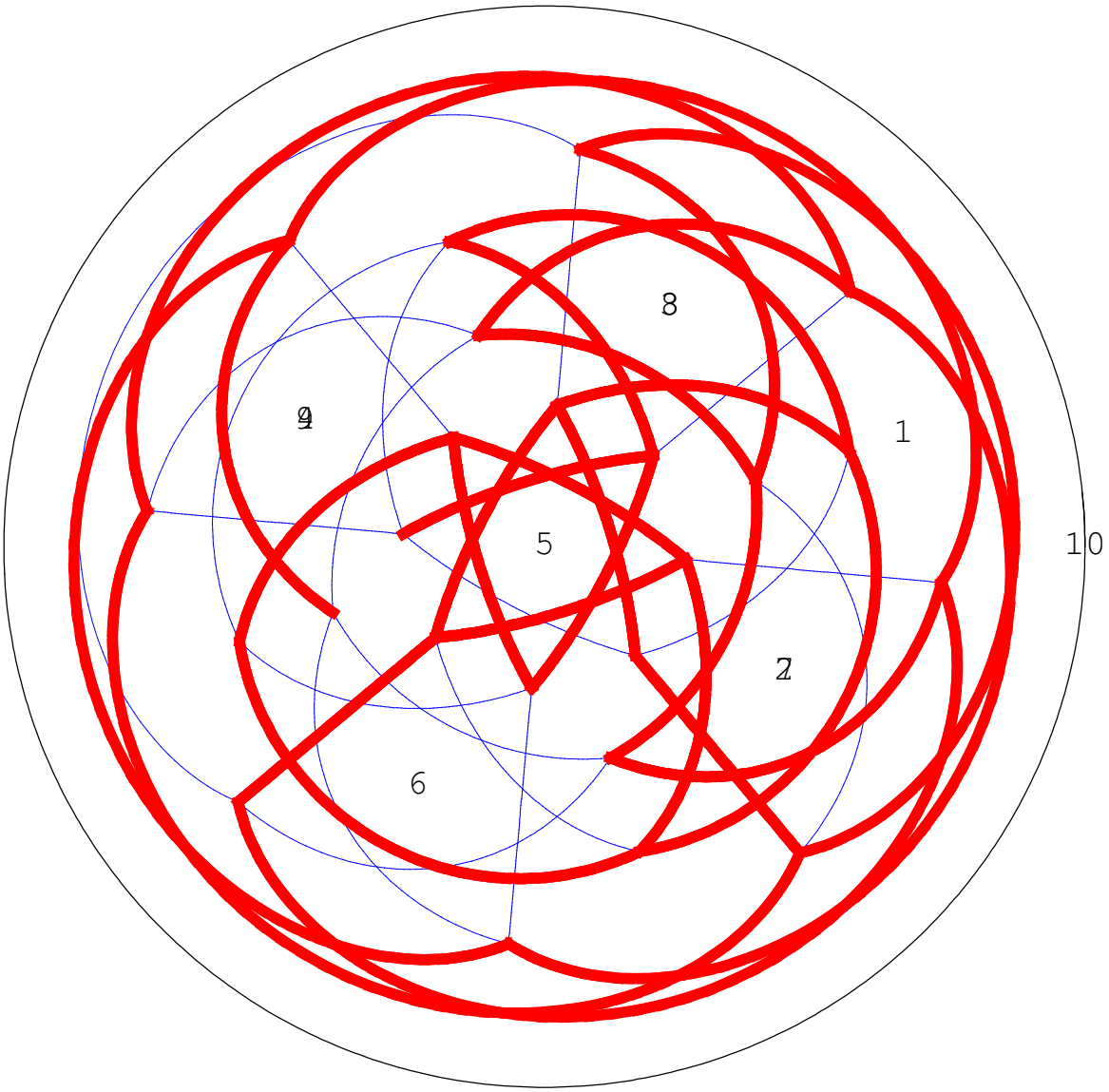
13: small cubicuboctahedron
(3/2 4|4) {8, 3/2, 8, 4}



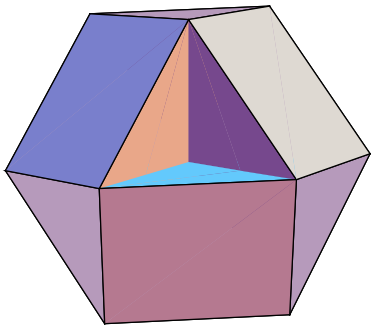


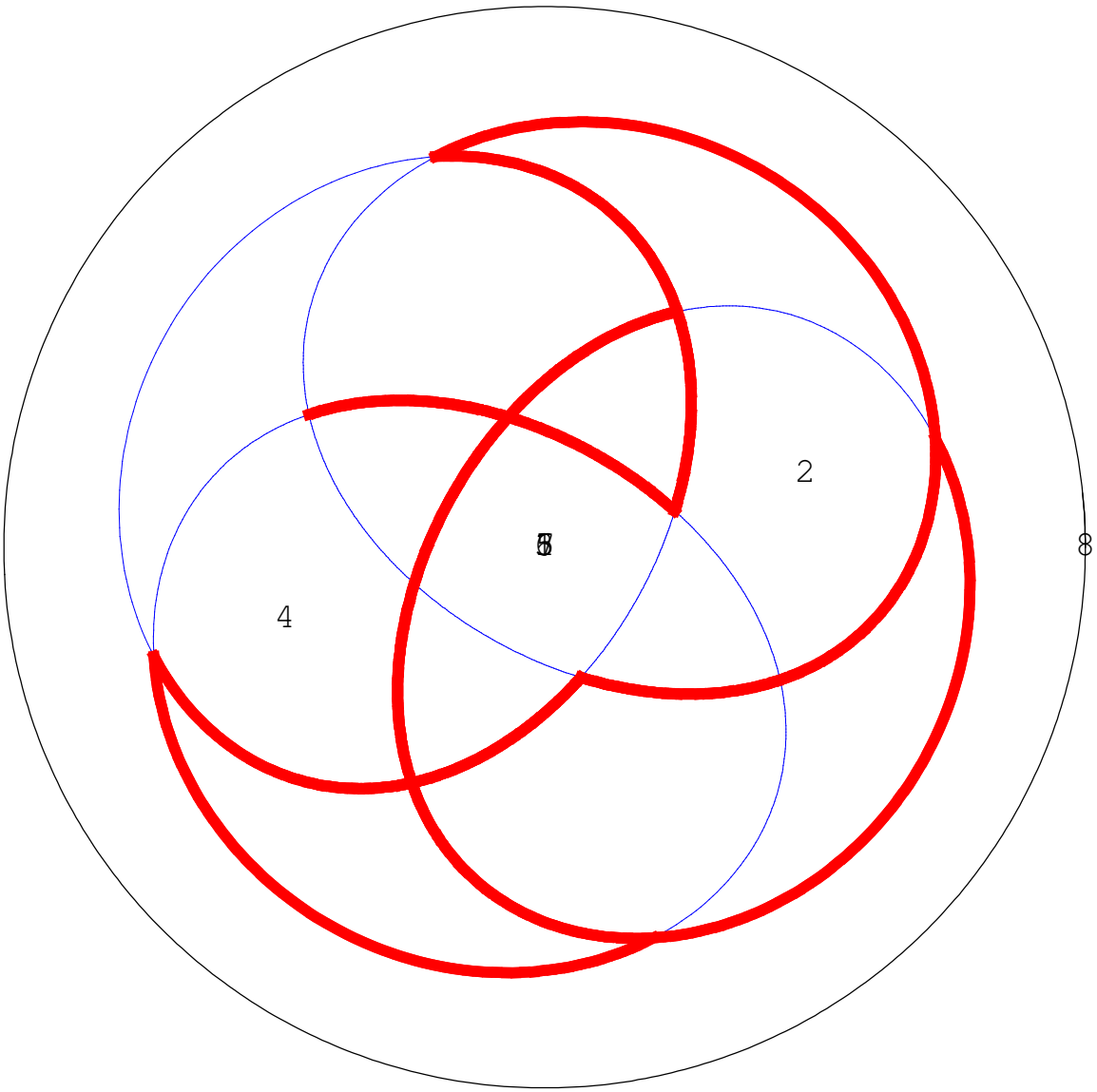
```
14: great cubicuboctahedron
(3 4|4/3)  {8/3, 3, 8/3, 4}
```



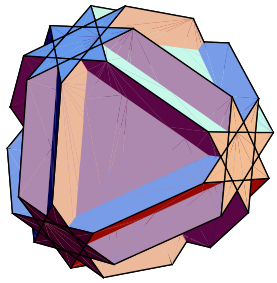


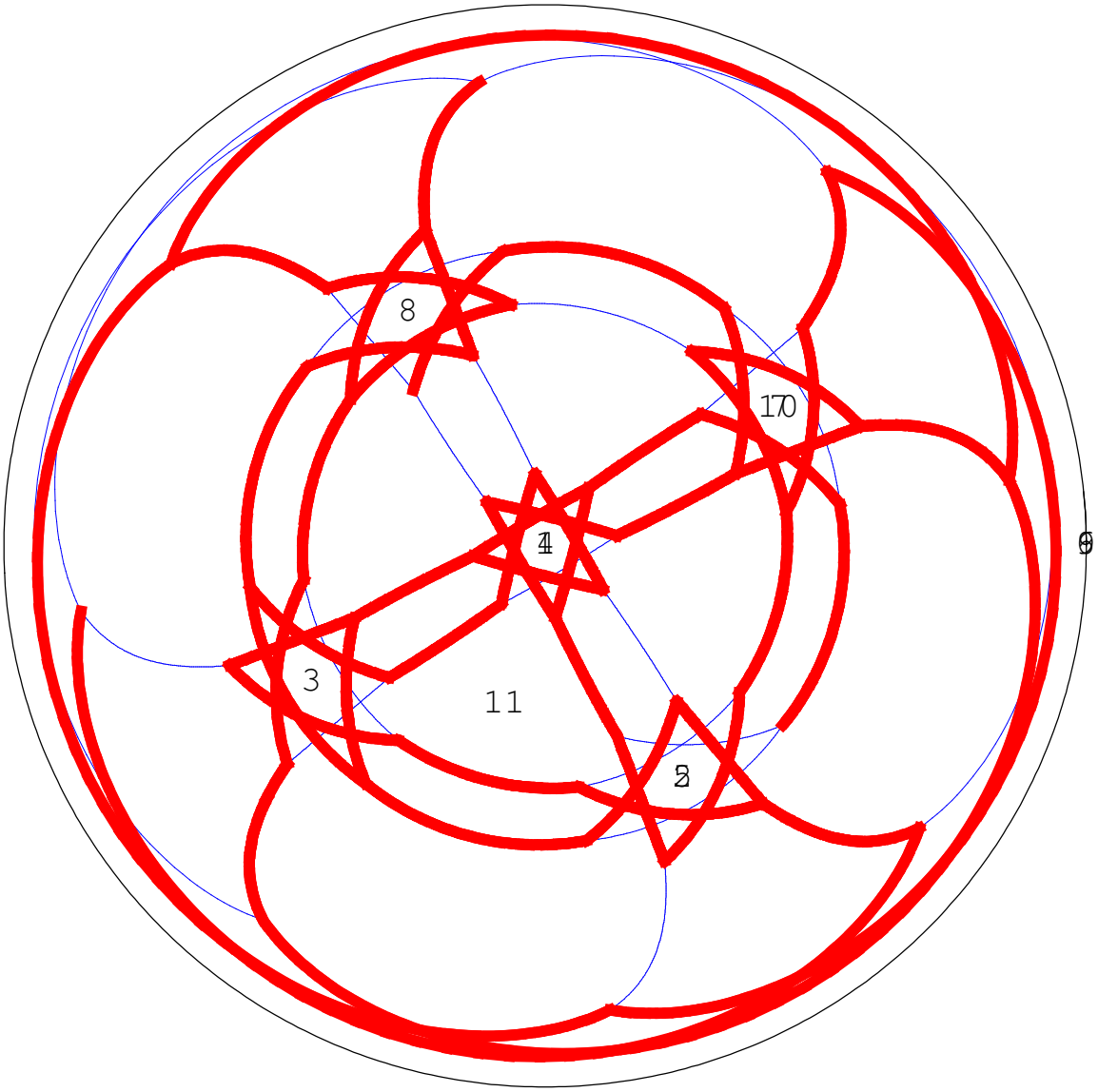
15: cubohemioctahedron
(4/3 4|3) {6, 4/3, 6, 4}



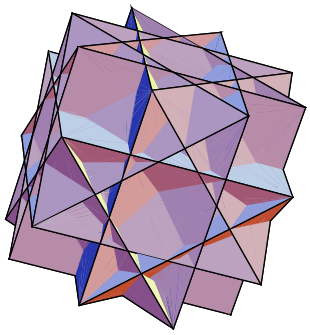


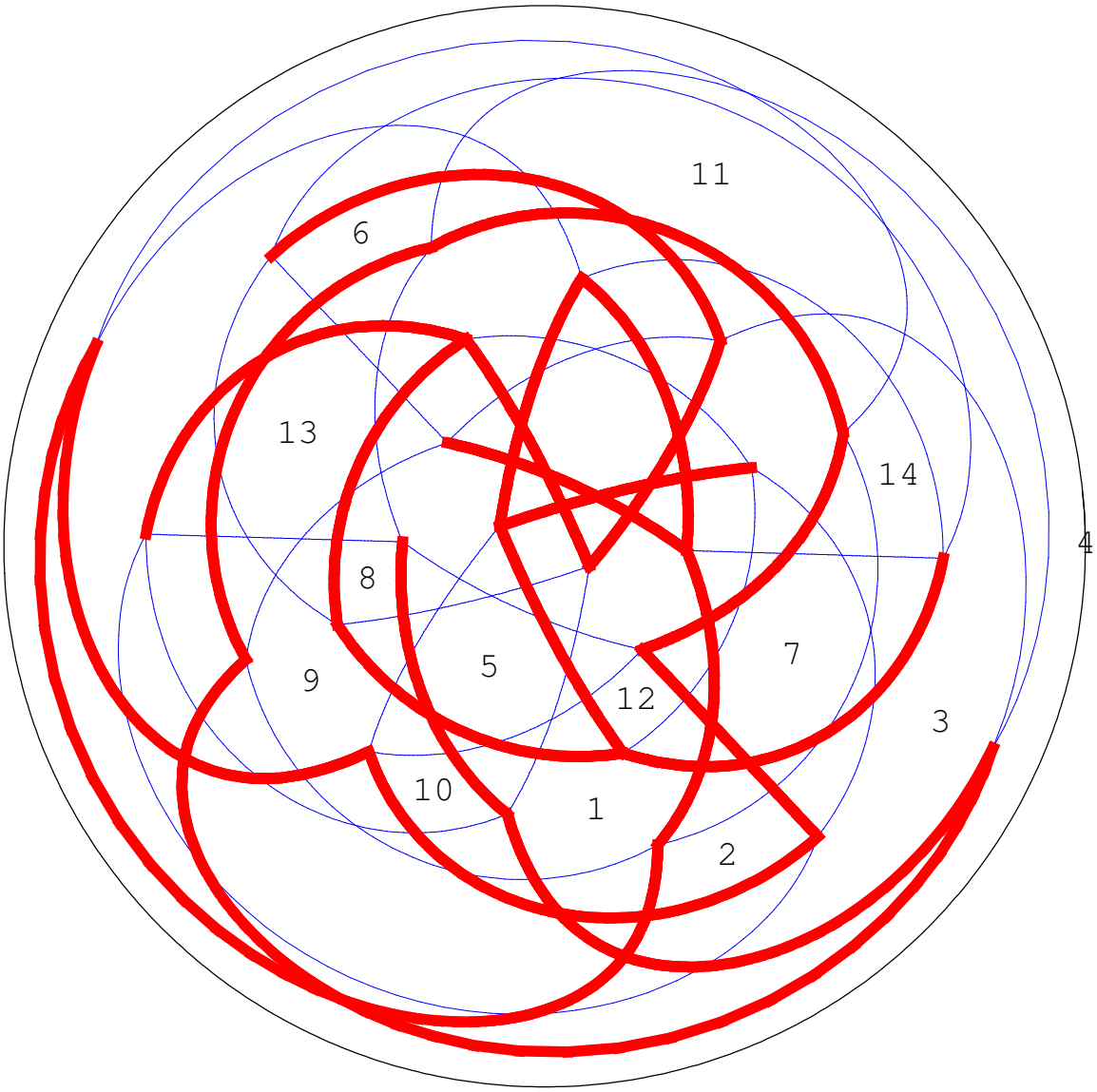
16: cubitruncated cuboctahedron
(4/3 3 4|) {8/3, 6, 8}



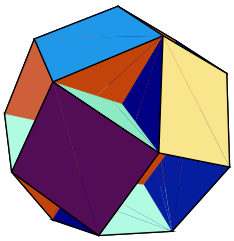


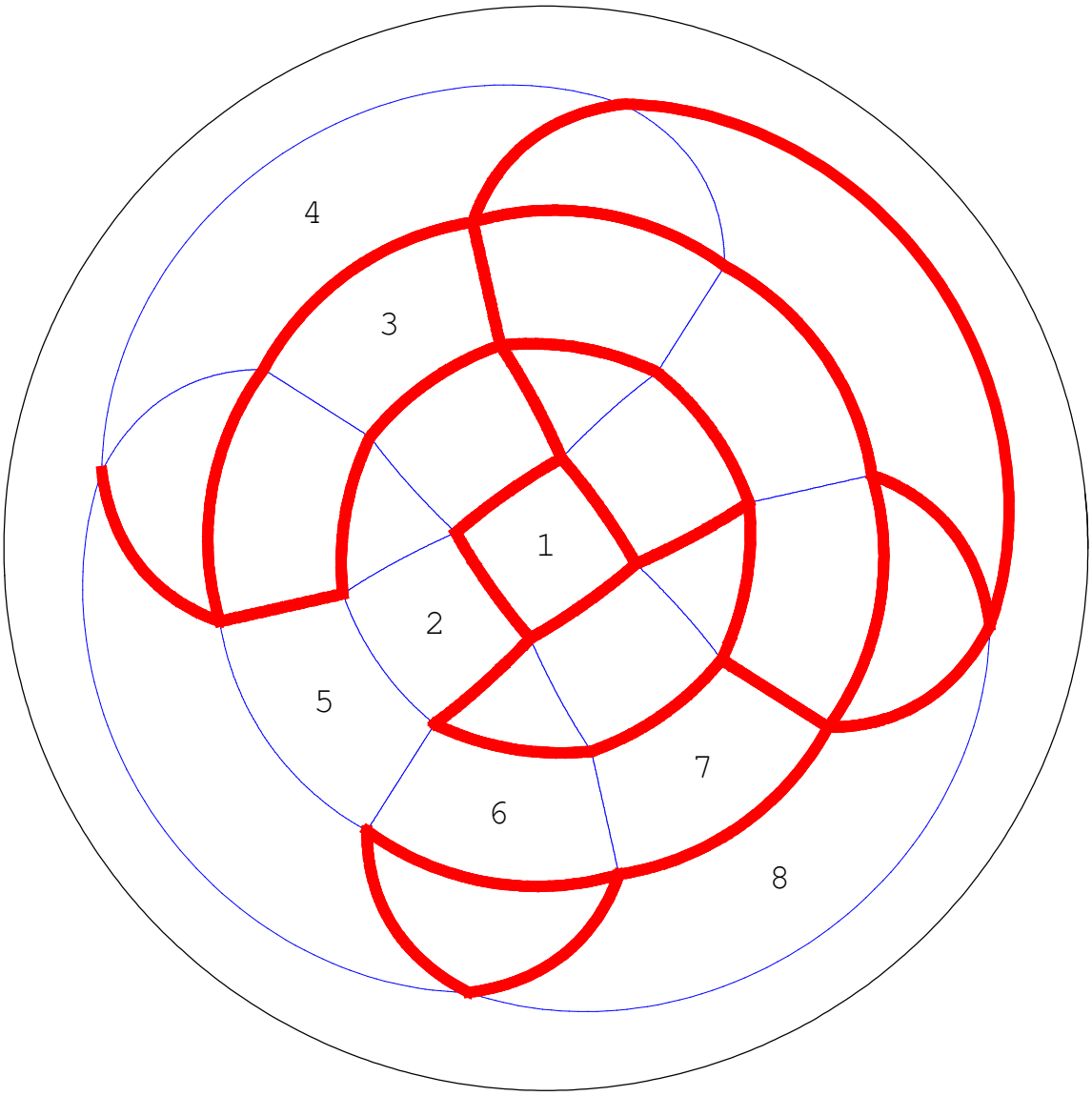
```
17: great rhombicuboctahedron
(3/2 4|2)  {4, 3/2, 4, 4}
```



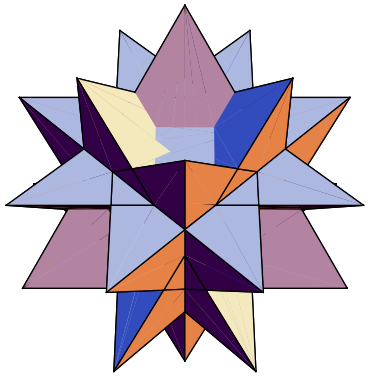


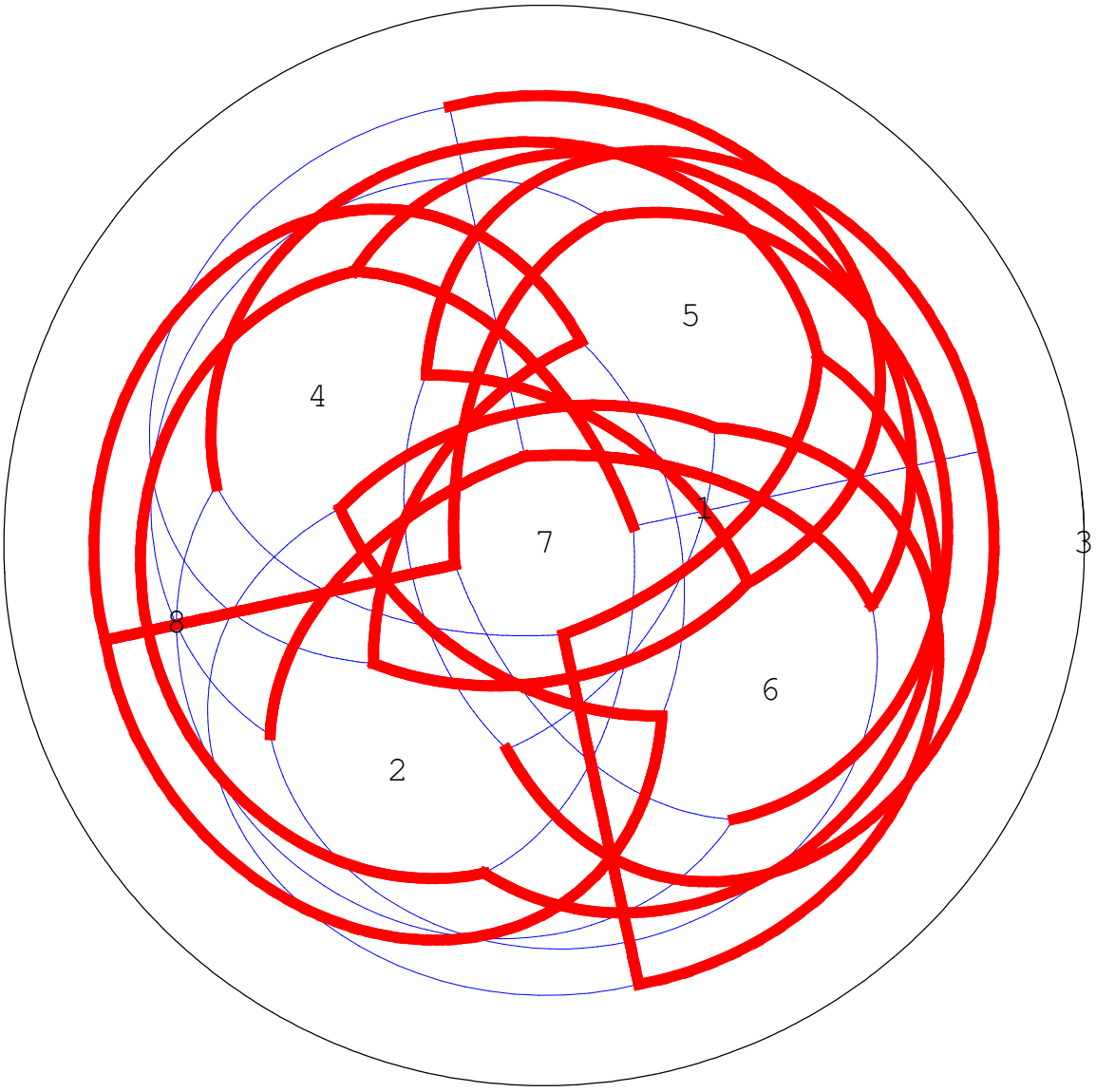
```
18: small rhombihexahedron
(3/2 2 4|)  {8, 4, 8/7, 4/3}
```



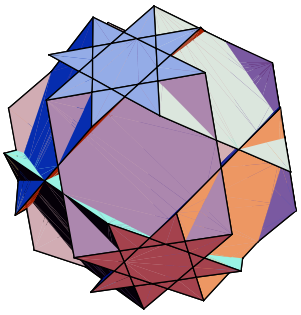


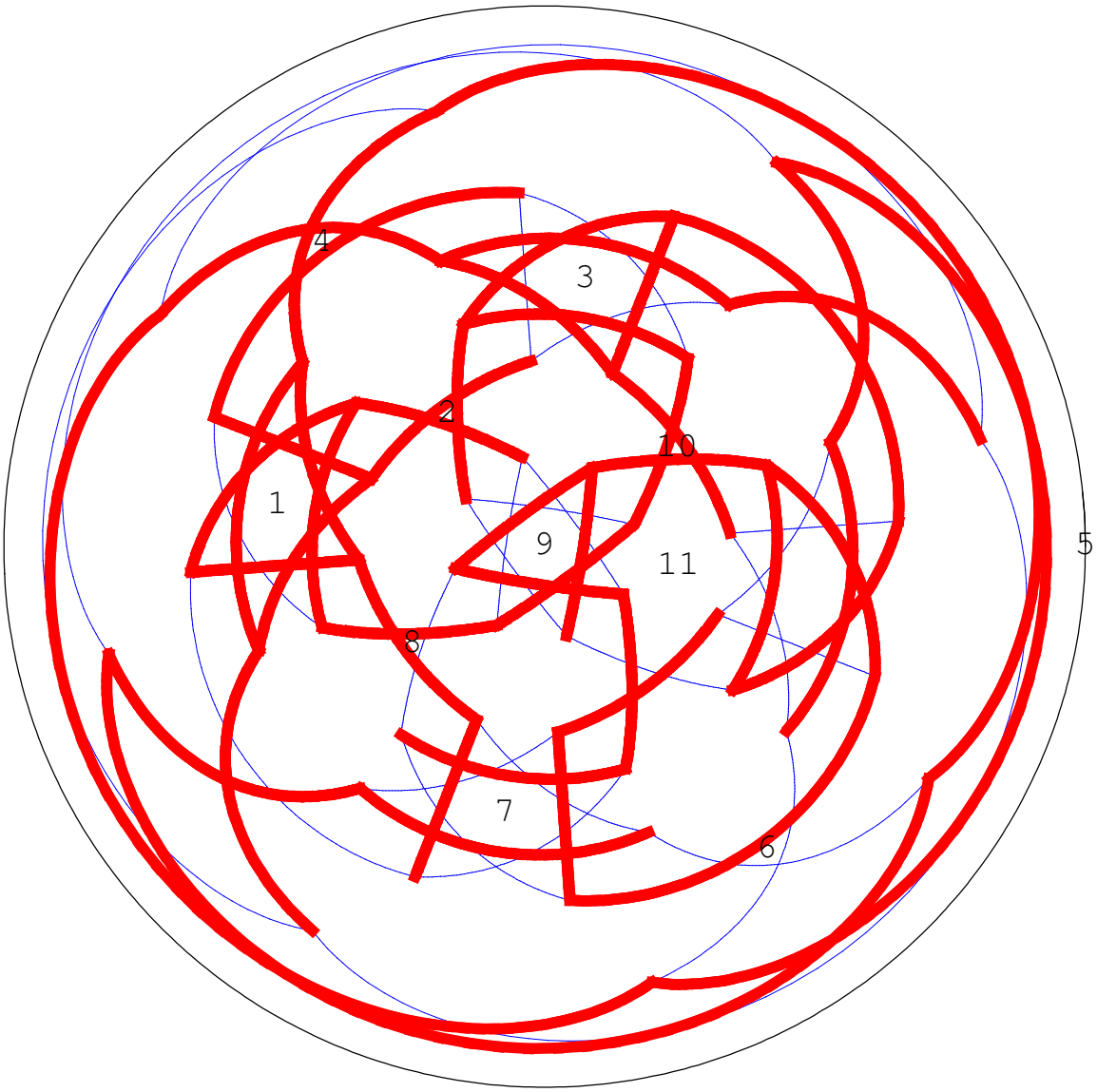
```
19: stellated truncated hexahedron
(2 3|4/3)  {8/3, 8/3, 3}
```



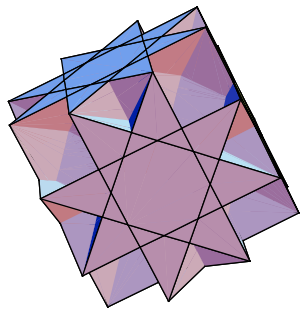


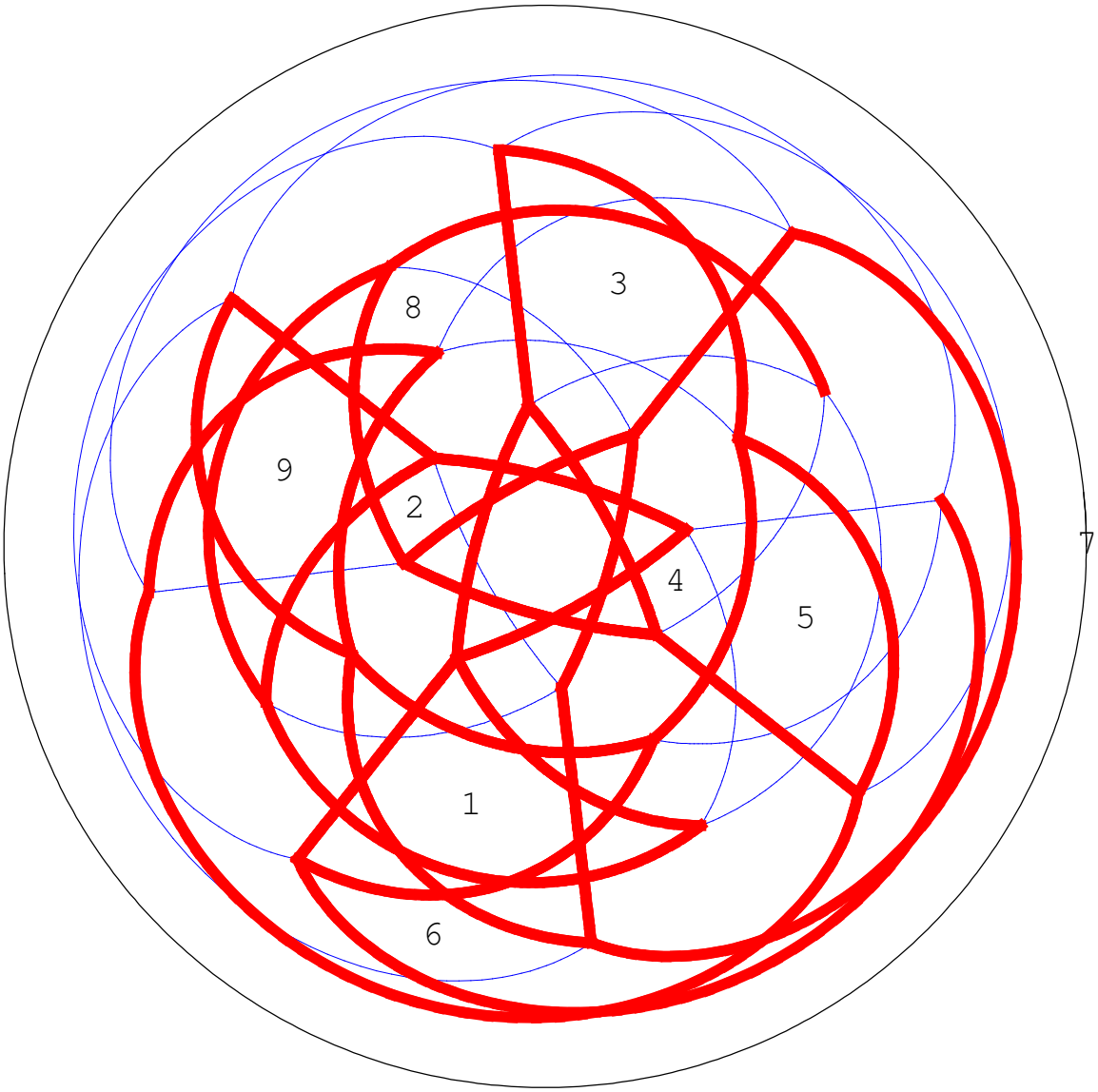
```
20: great truncated cuboctahedron
(4/3 2 3|)  {8/3, 4, 6}
```



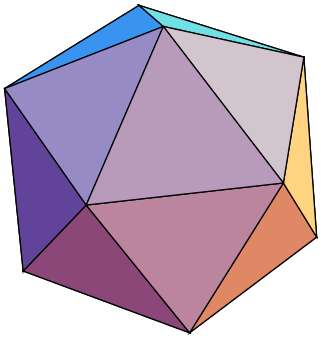


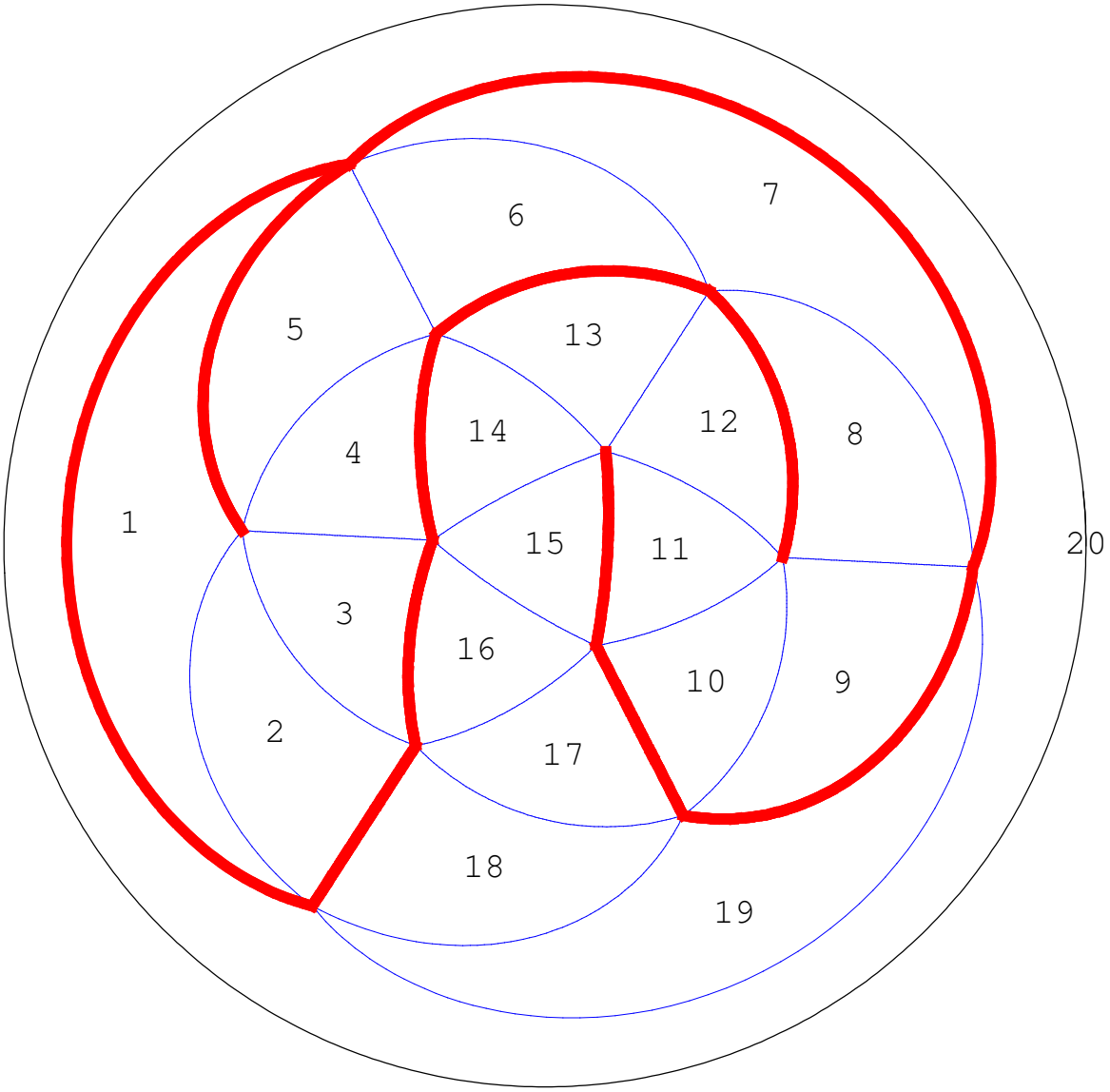
```
21: great rhombihexahedron
(4/3 3/2 2|)  {4, 8/3, 4/3, 8/5}
```



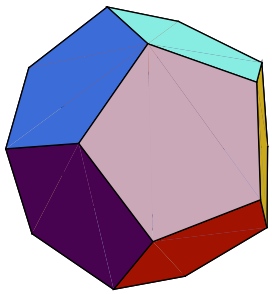


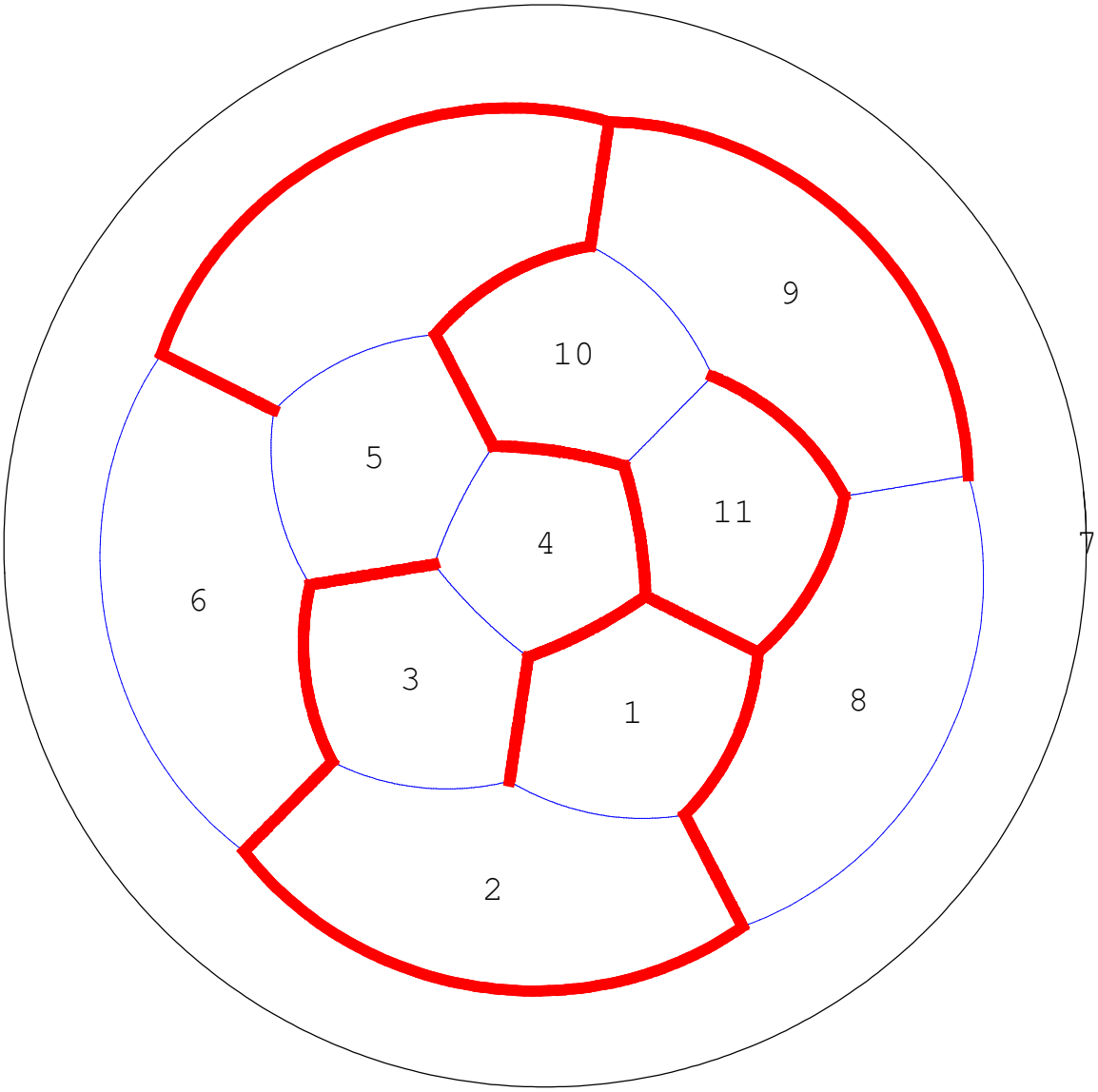
```
22: icosahedron
(5|2 3)  {3, 3, 3, 3, 3}
```



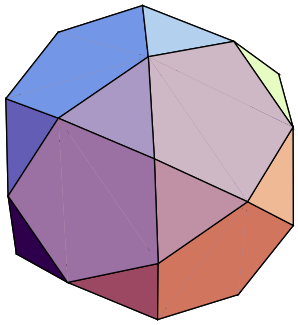


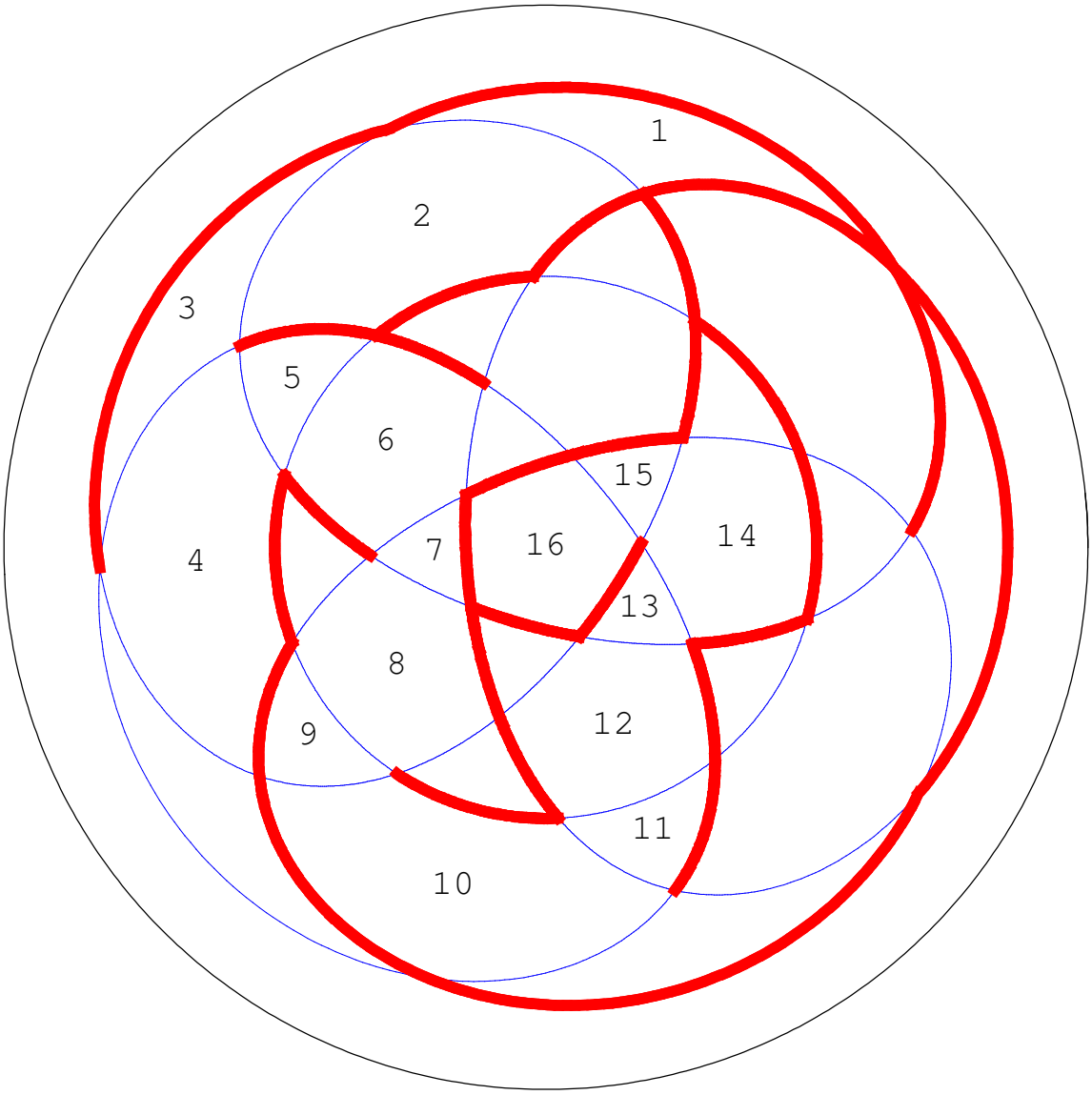
```
23: dodecahedron
(3|2 5)  {5, 5, 5}
```



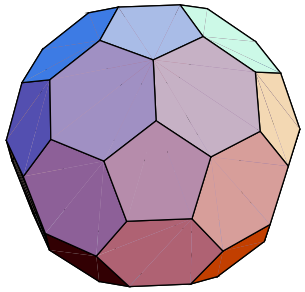


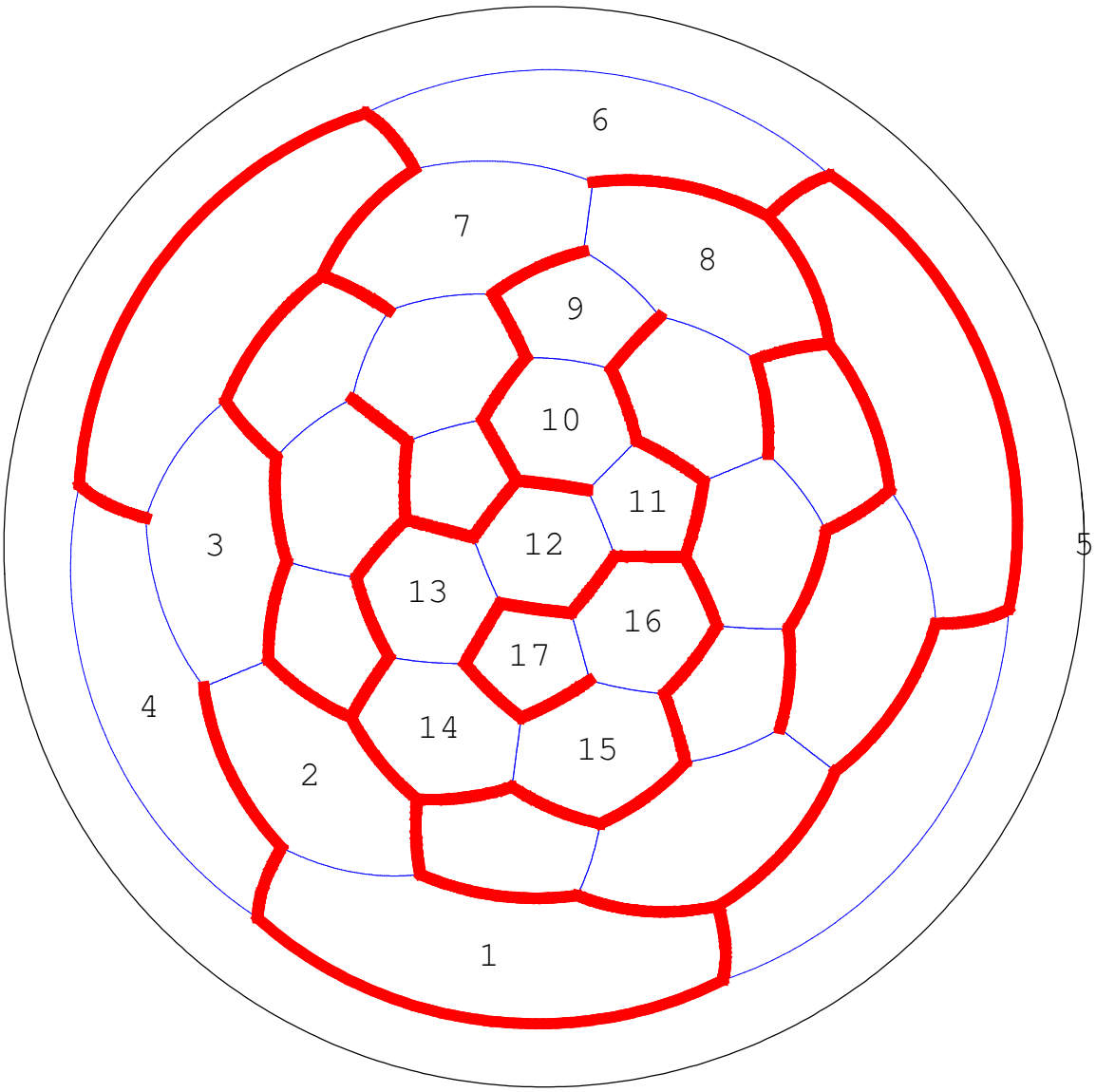
```
24: icosidodecahedron
(2|3 5)  {3, 5, 3, 5}
```



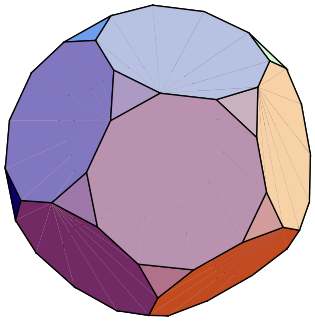


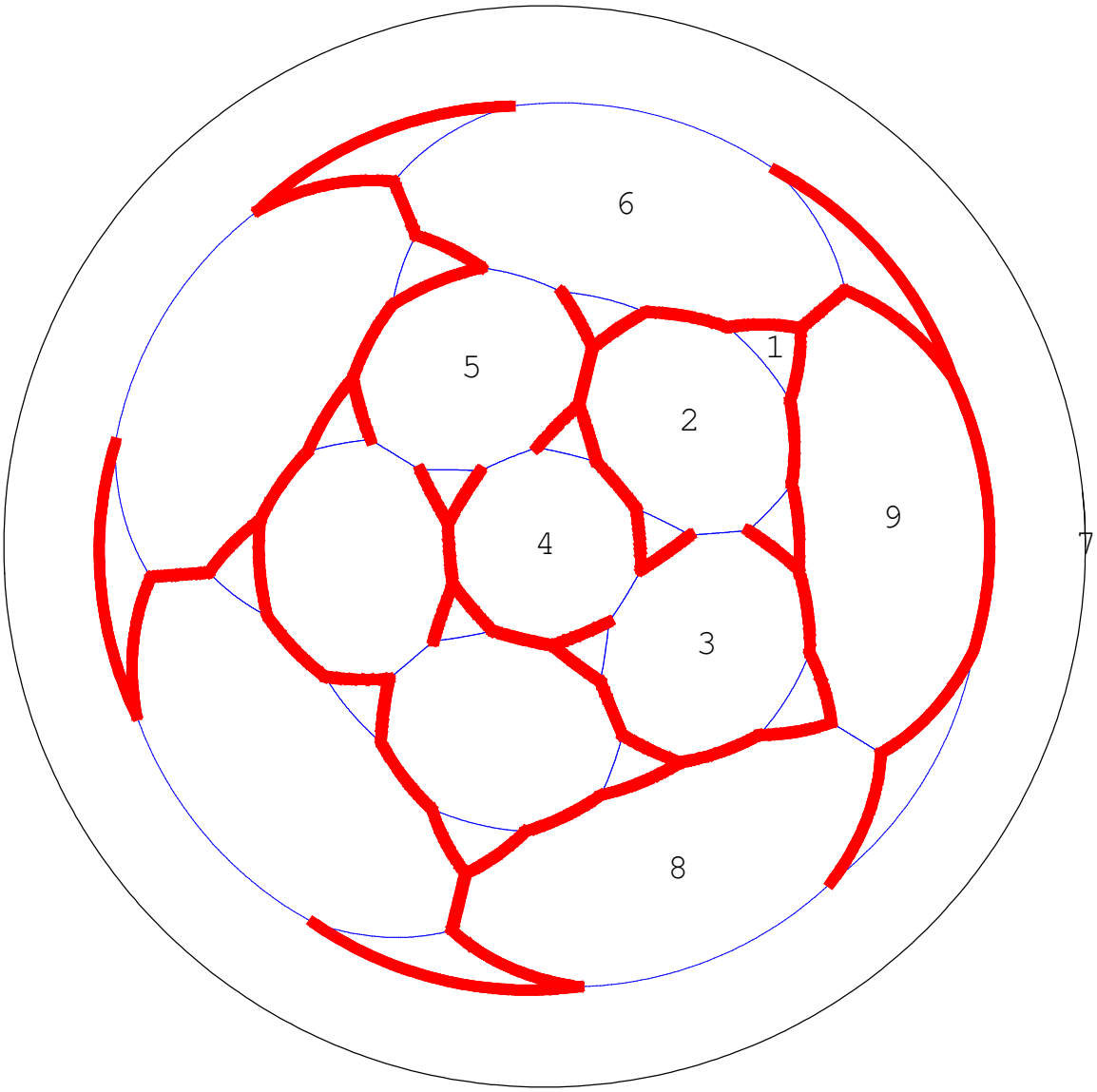
```
25: truncated icosahedron
(2 5|3)  {6, 6, 5}
```



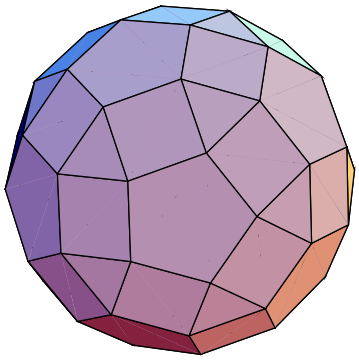


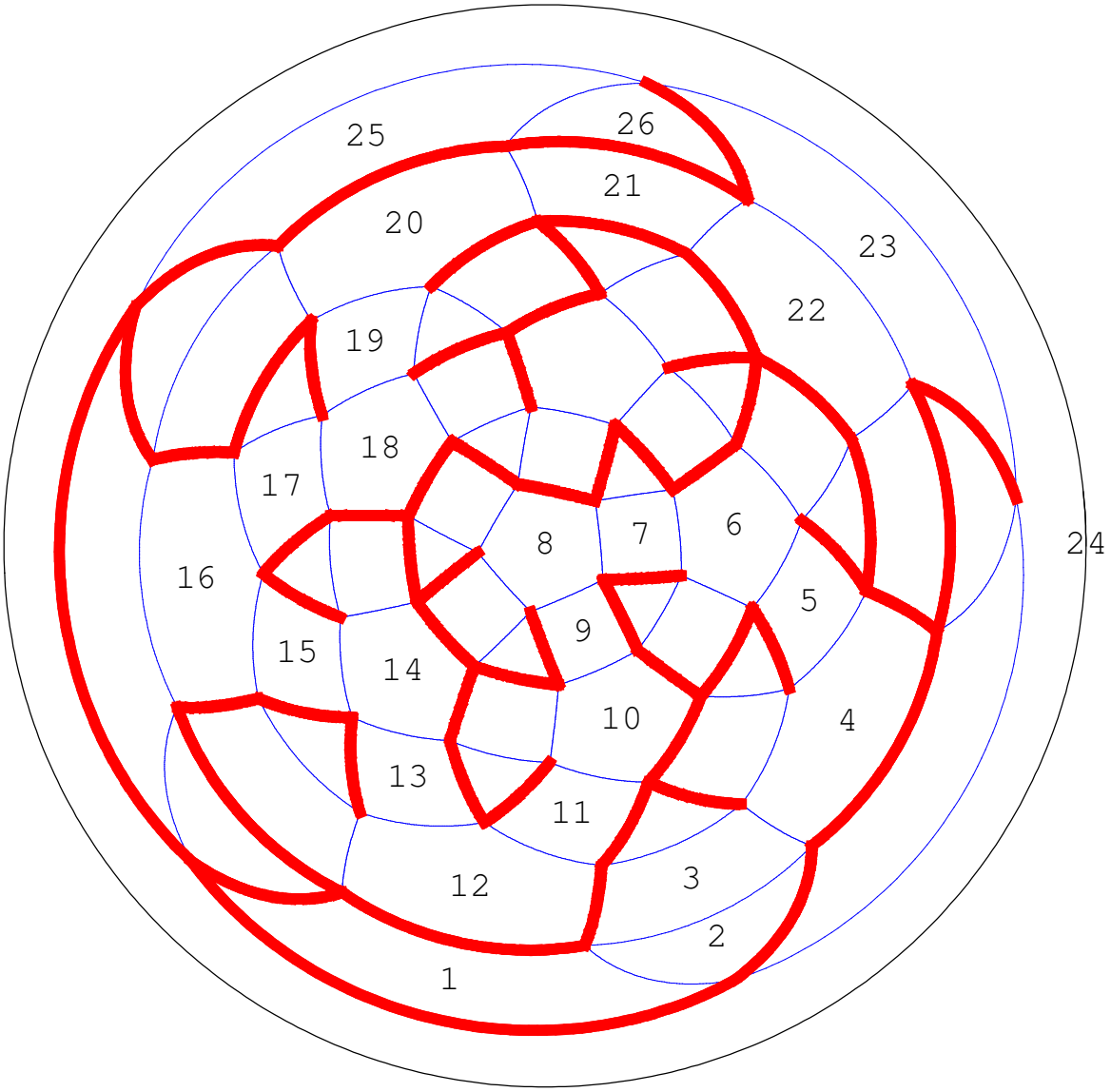
```
26: truncated dodecahedron
(2 3|5)  {10, 10, 3}
```



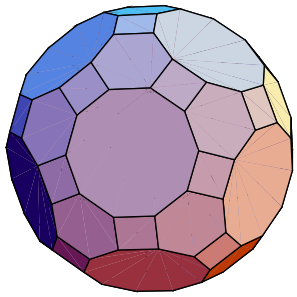


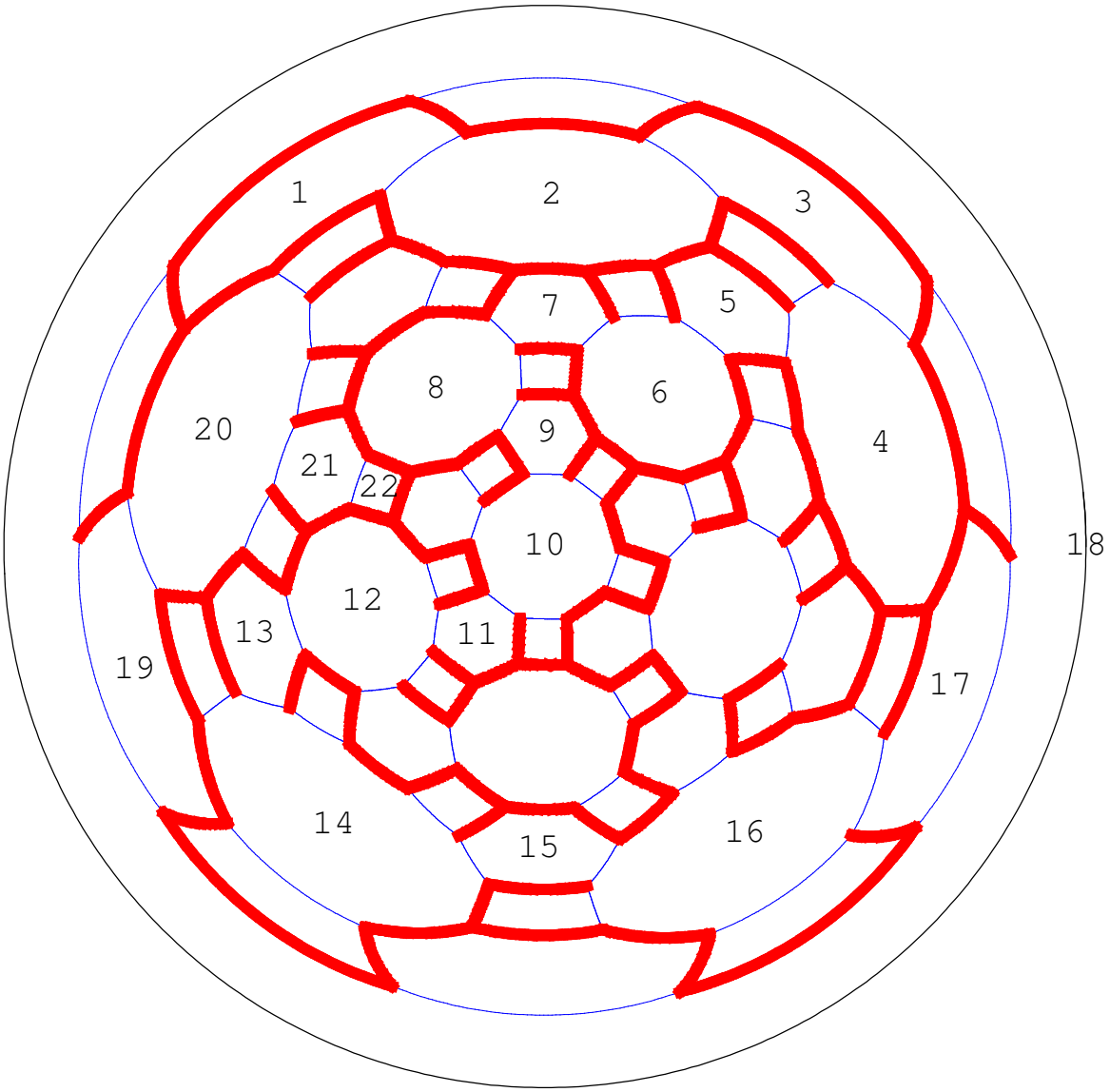
```
27: rhombicosidodecahedron
(3 5|2)  {4, 3, 4, 5}
```



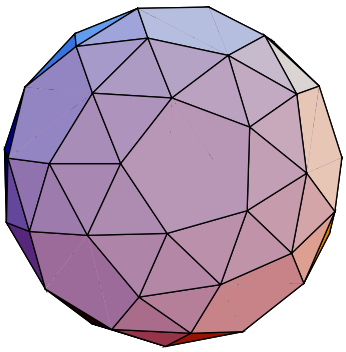


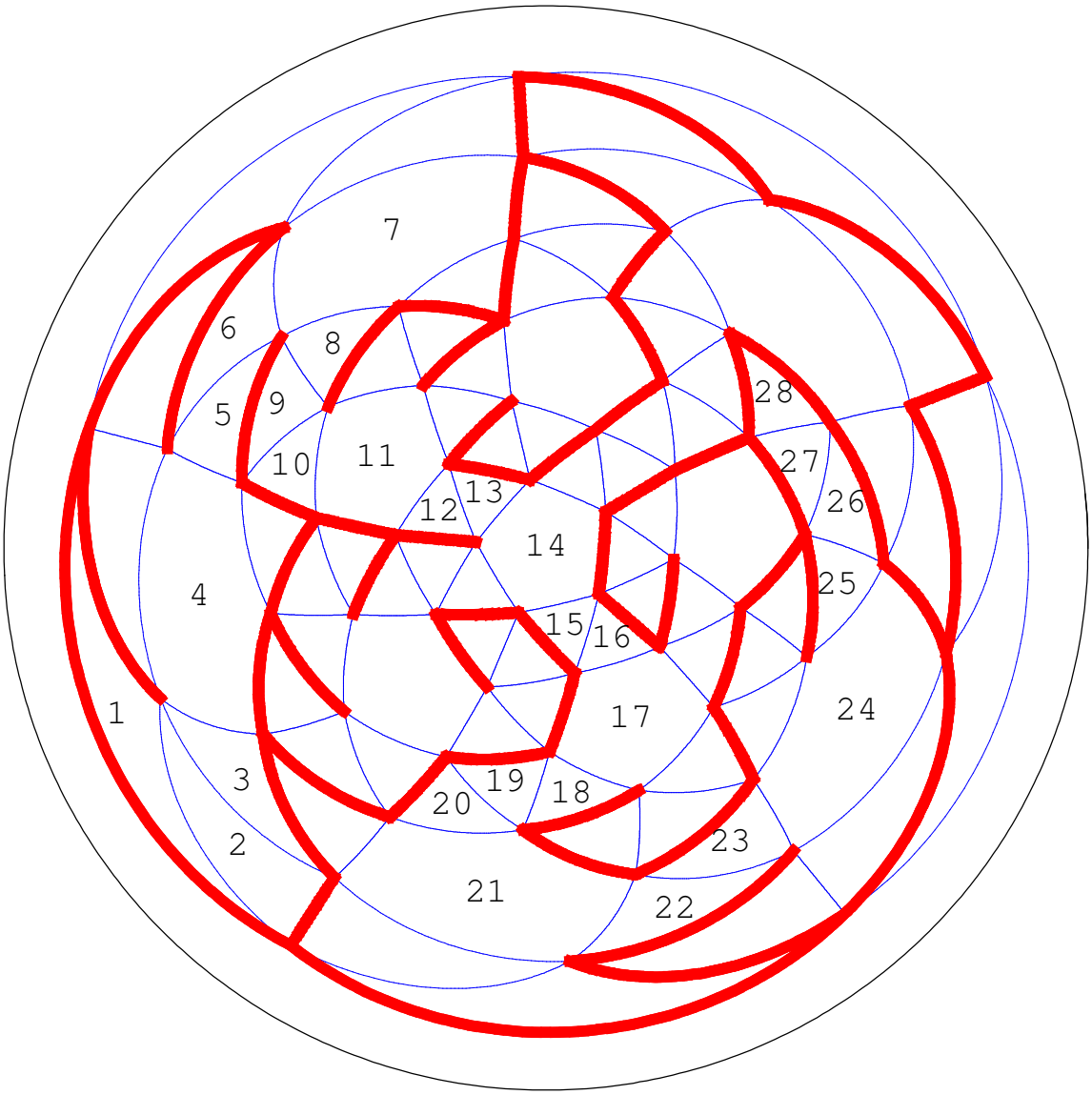
```
28: truncated icosidodecahedron
(2 3 5|)  {4, 6, 10}
```



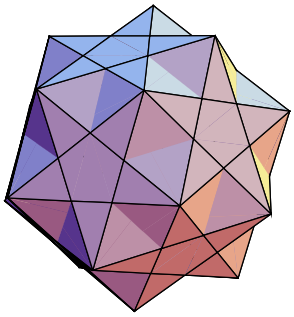


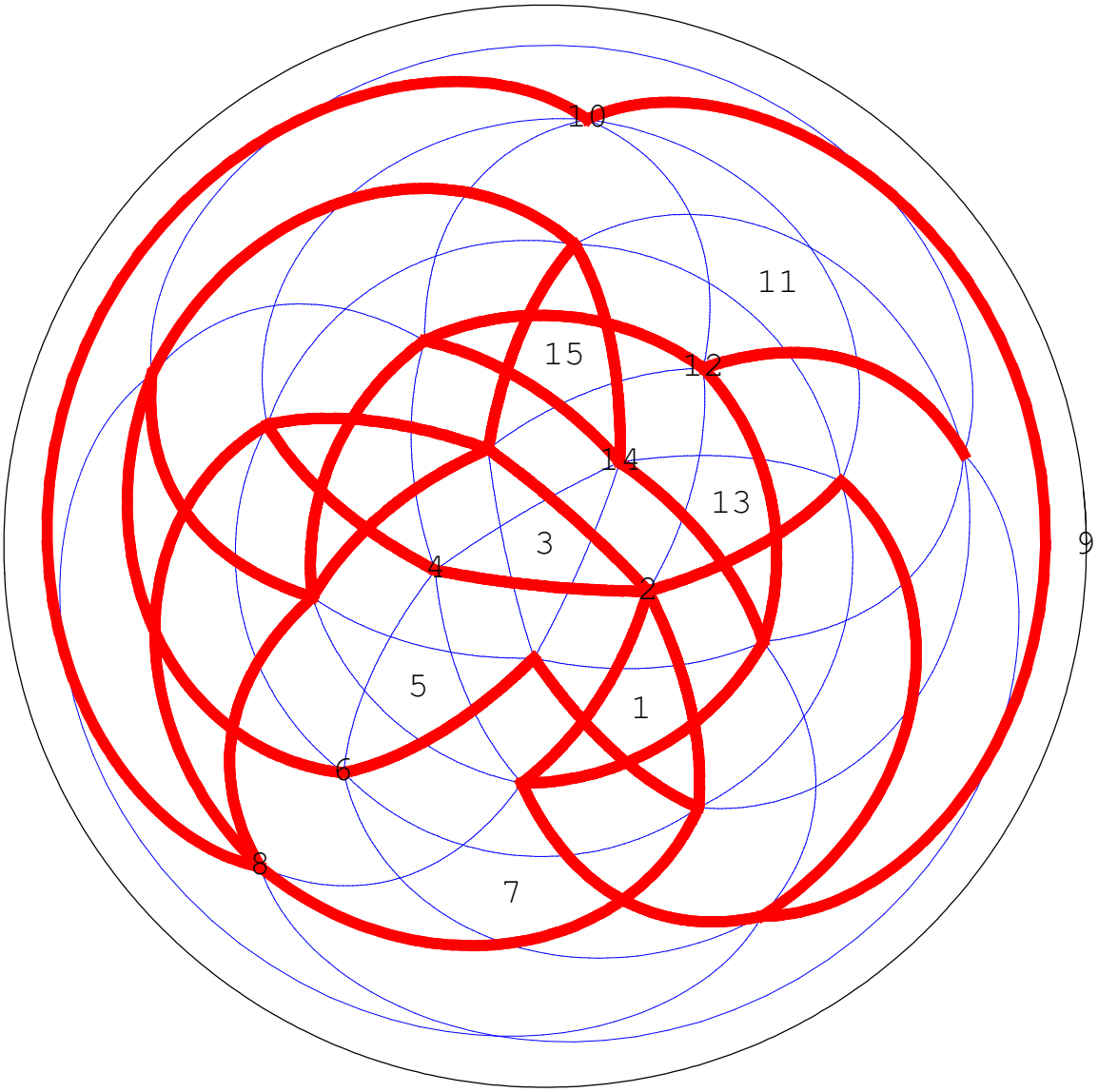
```
29: snub dodecahedron
(|2 3 5)  {3, 3, 3, 3, 5}
```



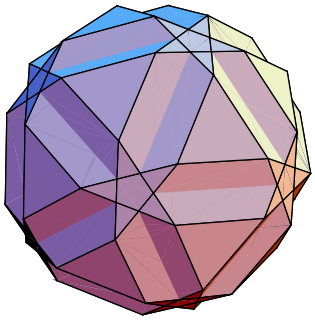


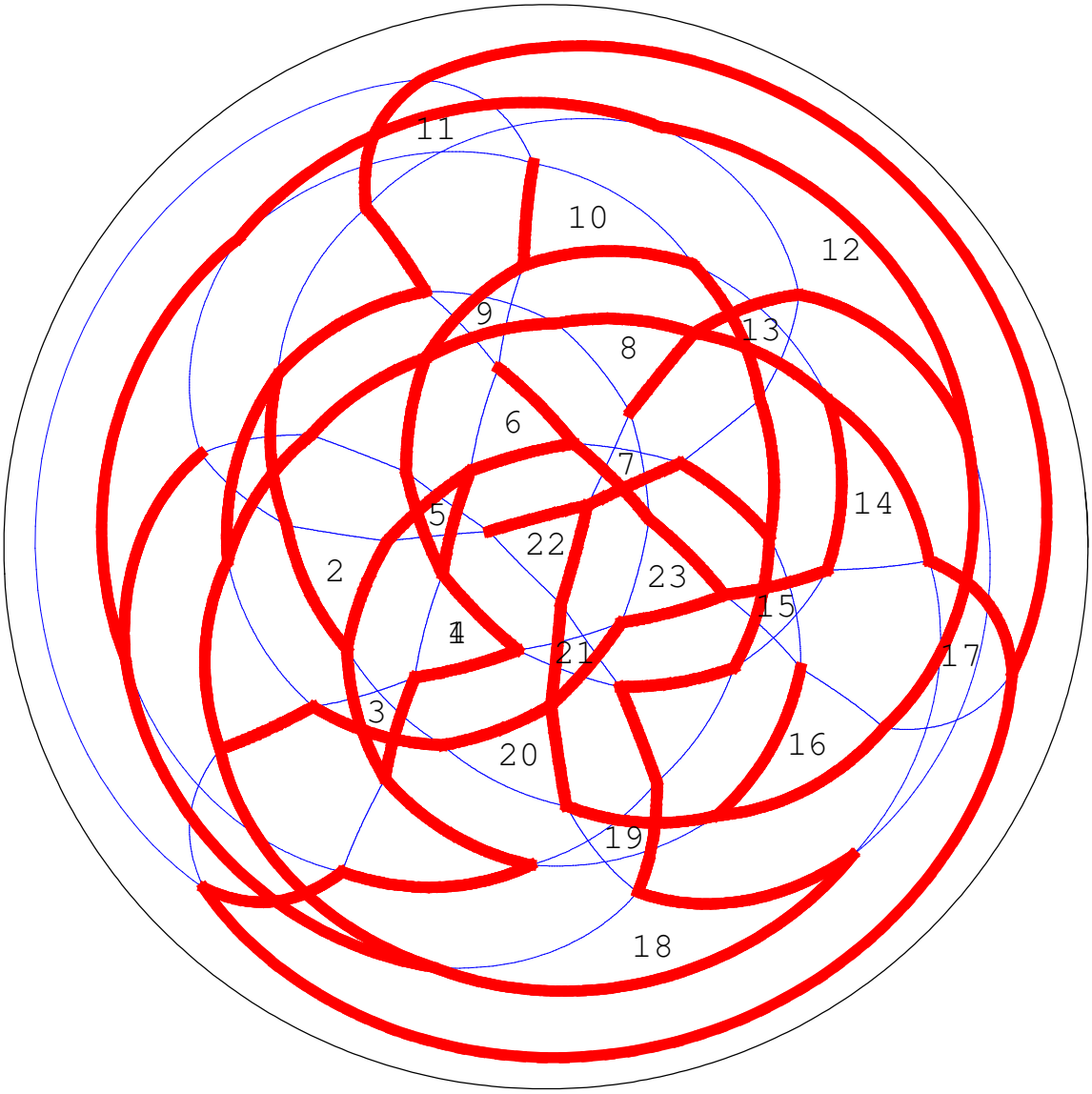
```
: small ditrigonal icosidodecahedr
|5/2 3)  {5/2, 3, 5/2, 3, 5/2, 3}
```



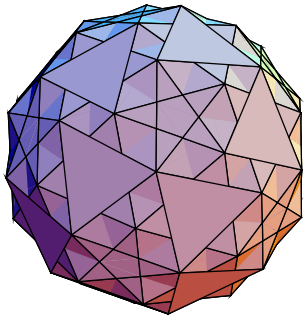


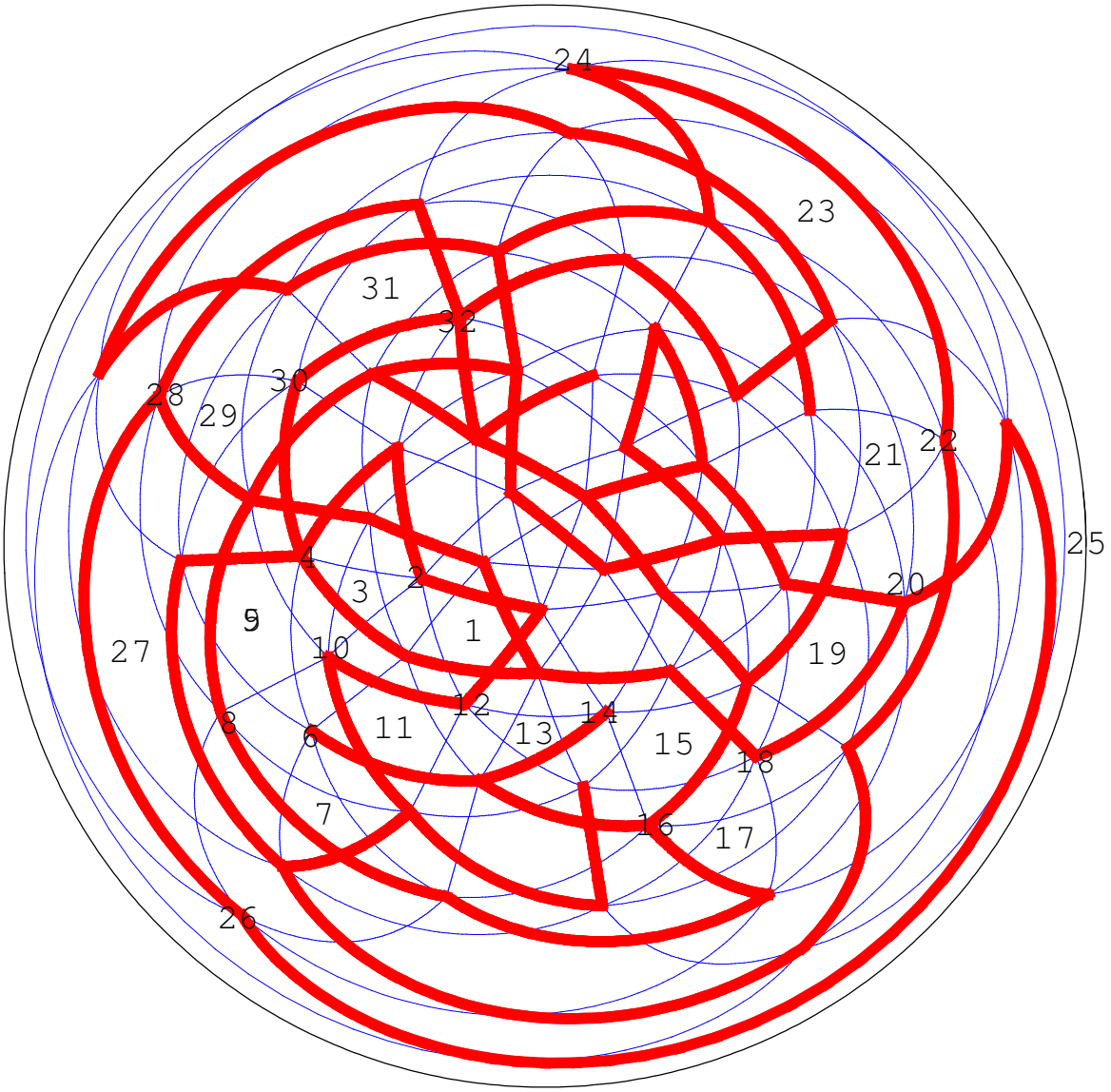
31: small icosicosidodecahedron
(5/2 3|3) {6, 5/2, 6, 3}



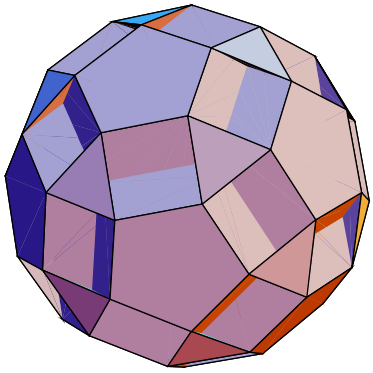


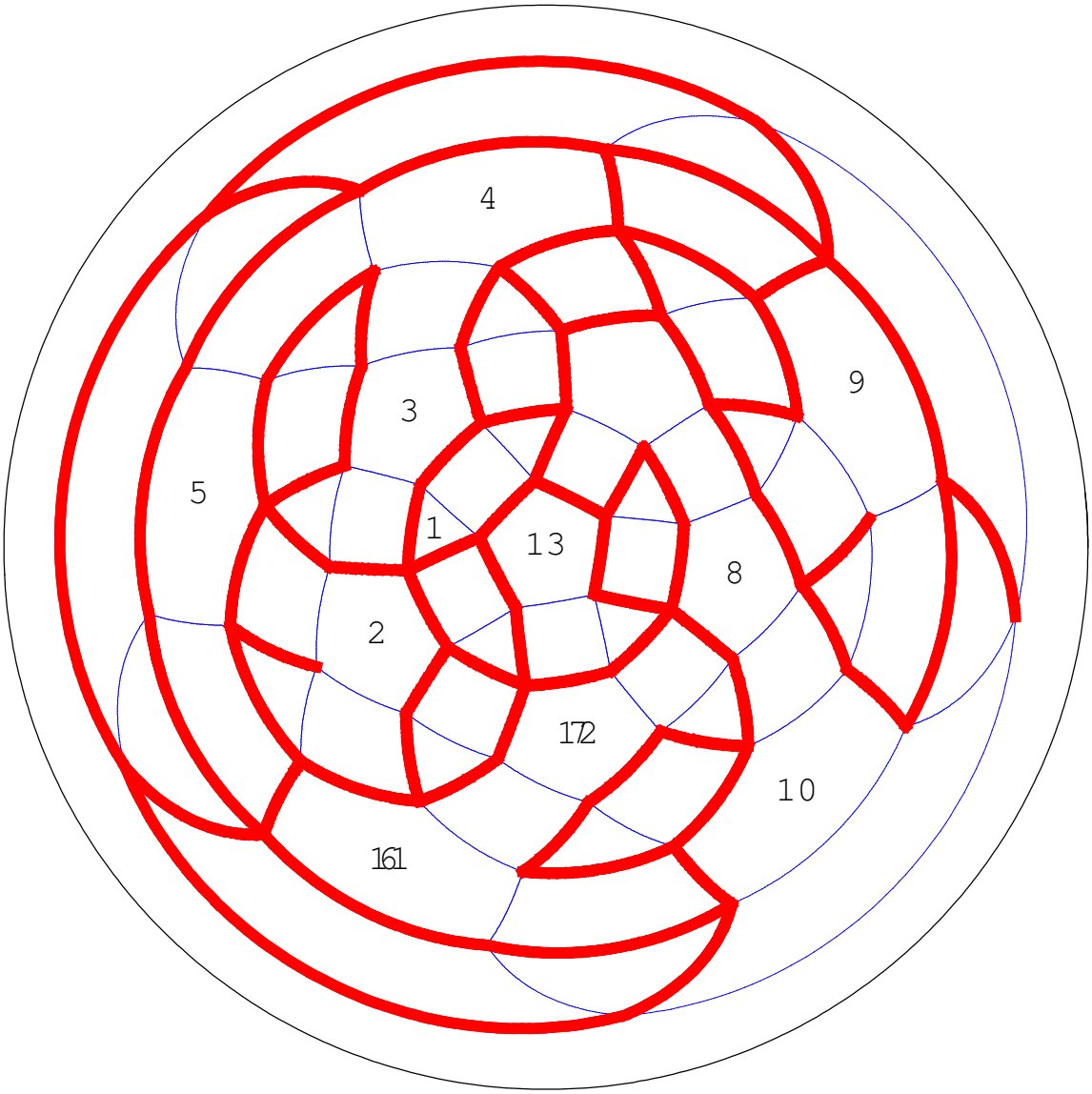
```
2: small snub icosicosidodecahedrc
|5/2 3 3)  {3, 5/2, 3, 3, 3, 3}
```



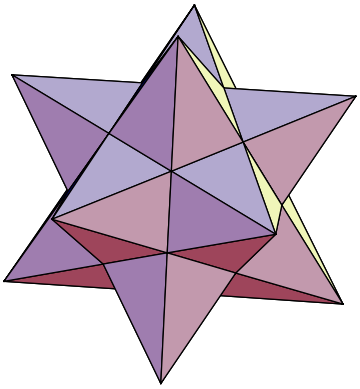


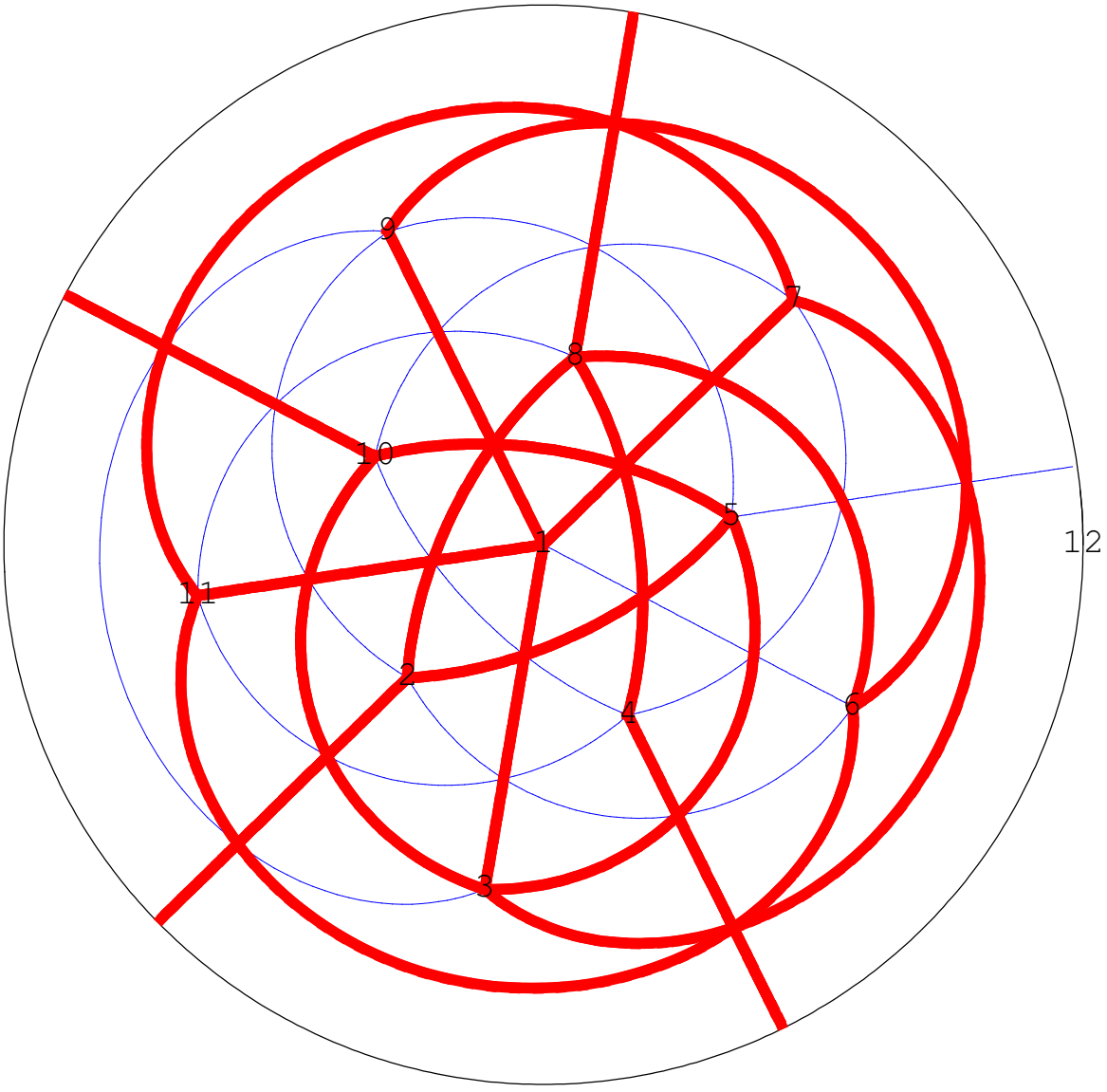
```
33: small dodecicosidodecahedron
(3/2 5|5)  {10, 3/2, 10, 5}
```





```
4: small stellated dodecahedron
5|2 5/2)  {5/2, 5/2, 5/2, 5/2, 5/2
```





35: great dodecahedron
(5/2|2 5) {5, 5, 5, 5, 5}/2