Number of vertices $n = 4$.
Number of singular graphs 5.

- Singular graph with $|Aut(CUTP(G))| = 48$ and $|ARes(G)| = 16$:
  1. vertex 1 adjacent to 3 4
  2. vertex 2 adjacent to 4
  3. vertex 3 adjacent to 1
  4. vertex 4 adjacent to 1 2
- Singular graph with $|Aut(CUTP(G))| = 48$ and $|ARes(G)| = 16$:
  1. vertex 1 adjacent to 3 4
  2. vertex 2 adjacent to 4
  3. vertex 3 adjacent to 1 4
  4. vertex 4 adjacent to 1 2 3
- Singular graph with $|Aut(CUTP(G))| = 384$ and $|ARes(G)| = 64$:
  1. vertex 1 adjacent to 3 4
  2. vertex 2 adjacent to 3 4
  3. vertex 3 adjacent to 1 2
  4. vertex 4 adjacent to 1 2
- Singular graph with $|Aut(CUTP(G))| = 128$ and $|ARes(G)| = 32$:
  1. vertex 1 adjacent to 3 4
  2. vertex 2 adjacent to 3 4
  3. vertex 3 adjacent to 1 2 4
  4. vertex 4 adjacent to 1 2 3
- Singular graph with $|Aut(CUTP(G))| = 1152$ and $|ARes(G)| = 192$:
  1. vertex 1 adjacent to 2 3 4
  2. vertex 2 adjacent to 1 3 4
  3. vertex 3 adjacent to 1 2 4
  4. vertex 4 adjacent to 1 2 3