

Number of vertices $n = 5$.

Number of singular graphs 17.

- Singular graph with $|Aut(CUTP(G))| = 384$ and $|ARes(G)| = 32$:
 1. vertex 1 adjacent to 4 5
 2. vertex 2 adjacent to 5
 3. vertex 3 adjacent to 5
 4. vertex 4 adjacent to 1
 5. vertex 5 adjacent to 1 2 3
- Singular graph with $|Aut(CUTP(G))| = 192$ and $|ARes(G)| = 64$:
 1. vertex 1 adjacent to 4 5
 2. vertex 2 adjacent to 5
 3. vertex 3 adjacent to 5
 4. vertex 4 adjacent to 1 5
 5. vertex 5 adjacent to 1 2 3 4
- Singular graph with $|Aut(CUTP(G))| = 768$ and $|ARes(G)| = 32$:
 1. vertex 1 adjacent to 4 5
 2. vertex 2 adjacent to 4 5
 3. vertex 3 adjacent to 5
 4. vertex 4 adjacent to 1 2
 5. vertex 5 adjacent to 1 2 3
- Singular graph with $|Aut(CUTP(G))| = 192$ and $|ARes(G)| = 32$:
 1. vertex 1 adjacent to 4 5
 2. vertex 2 adjacent to 4
 3. vertex 3 adjacent to 5
 4. vertex 4 adjacent to 1 2 5
 5. vertex 5 adjacent to 1 3 4

- Singular graph with $|Aut(CUTP(G))| = 256$ and $|ARes(G)| = 32$:
 1. vertex 1 adjacent to 4 5
 2. vertex 2 adjacent to 4 5
 3. vertex 3 adjacent to 5
 4. vertex 4 adjacent to 1 2 5
 5. vertex 5 adjacent to 1 2 3 4
- Singular graph with $|Aut(CUTP(G))| = 4608$ and $|ARes(G)| = 192$:
 1. vertex 1 adjacent to 4 5
 2. vertex 2 adjacent to 4 5
 3. vertex 3 adjacent to 4 5
 4. vertex 4 adjacent to 1 2 3
 5. vertex 5 adjacent to 1 2 3
- Singular graph with $|Aut(CUTP(G))| = 4608$ and $|ARes(G)| = 192$:
 1. vertex 1 adjacent to 4 5
 2. vertex 2 adjacent to 4 5
 3. vertex 3 adjacent to 4 5
 4. vertex 4 adjacent to 1 2 3 5
 5. vertex 5 adjacent to 1 2 3 4
- Singular graph with $|Aut(CUTP(G))| = 384$ and $|ARes(G)| = 32$:
 1. vertex 1 adjacent to 3 5
 2. vertex 2 adjacent to 4 5
 3. vertex 3 adjacent to 1
 4. vertex 4 adjacent to 2
 5. vertex 5 adjacent to 1 2
- Singular graph with $|Aut(CUTP(G))| = 192$ and $|ARes(G)| = 32$:
 1. vertex 1 adjacent to 3 5

- 2. vertex 2 adjacent to 4 5
- 3. vertex 3 adjacent to 1 5
- 4. vertex 4 adjacent to 2
- 5. vertex 5 adjacent to 1 2 3
- Singular graph with $|Aut(CUTP(G))| = 1152$ and $|ARes(G)| = 128$:
 - 1. vertex 1 adjacent to 3 5
 - 2. vertex 2 adjacent to 4 5
 - 3. vertex 3 adjacent to 1 5
 - 4. vertex 4 adjacent to 2 5
 - 5. vertex 5 adjacent to 1 2 3 4
- Singular graph with $|Aut(CUTP(G))| = 1920$ and $|ARes(G)| = 160$:
 - 1. vertex 1 adjacent to 3 4
 - 2. vertex 2 adjacent to 4 5
 - 3. vertex 3 adjacent to 1 5
 - 4. vertex 4 adjacent to 1 2
 - 5. vertex 5 adjacent to 2 3
- Singular graph with $|Aut(CUTP(G))| = 192$ and $|ARes(G)| = 32$:
 - 1. vertex 1 adjacent to 3 4 5
 - 2. vertex 2 adjacent to 4 5
 - 3. vertex 3 adjacent to 1 5
 - 4. vertex 4 adjacent to 1 2
 - 5. vertex 5 adjacent to 1 2 3
- Singular graph with $|Aut(CUTP(G))| = 128$ and $|ARes(G)| = 32$:
 - 1. vertex 1 adjacent to 3 4 5
 - 2. vertex 2 adjacent to 4 5
 - 3. vertex 3 adjacent to 1 5

- 4. vertex 4 adjacent to 1 2 5
- 5. vertex 5 adjacent to 1 2 3 4
- Singular graph with $|Aut(CUTP(G))| = 256$ and $|ARes(G)| = 32$:
 - 1. vertex 1 adjacent to 3 4 5
 - 2. vertex 2 adjacent to 5
 - 3. vertex 3 adjacent to 1 4 5
 - 4. vertex 4 adjacent to 1 3
 - 5. vertex 5 adjacent to 1 2 3
- Singular graph with $|Aut(CUTP(G))| = 2304$ and $|ARes(G)| = 96$:
 - 1. vertex 1 adjacent to 3 4 5
 - 2. vertex 2 adjacent to 5
 - 3. vertex 3 adjacent to 1 4 5
 - 4. vertex 4 adjacent to 1 3 5
 - 5. vertex 5 adjacent to 1 2 3 4
- Singular graph with $|Aut(CUTP(G))| = 256$ and $|ARes(G)| = 64$:
 - 1. vertex 1 adjacent to 3 4 5
 - 2. vertex 2 adjacent to 4 5
 - 3. vertex 3 adjacent to 1 4 5
 - 4. vertex 4 adjacent to 1 2 3 5
 - 5. vertex 5 adjacent to 1 2 3 4
- Singular graph with $|Aut(CUTP(G))| = 256$ and $|ARes(G)| = 64$:
 - 1. vertex 1 adjacent to 3 4 5
 - 2. vertex 2 adjacent to 3 4 5
 - 3. vertex 3 adjacent to 1 2 5
 - 4. vertex 4 adjacent to 1 2
 - 5. vertex 5 adjacent to 1 2 3