Number of vertices $n = 6$.
Number of singular graphs 93.

- Singular graph with $|Aut(CUTP(G))| = 3840$ and $|ARes(G)| = 192$:
  1. vertex 1 adjacent to 5 6
  2. vertex 2 adjacent to 6
  3. vertex 3 adjacent to 6
  4. vertex 4 adjacent to 6
  5. vertex 5 adjacent to 1
  6. vertex 6 adjacent to 1 2 3 4
- Singular graph with $|Aut(CUTP(G))| = 1152$ and $|ARes(G)| = 384$:
  1. vertex 1 adjacent to 5 6
  2. vertex 2 adjacent to 6
  3. vertex 3 adjacent to 6
  4. vertex 4 adjacent to 6
  5. vertex 5 adjacent to 1 6
  6. vertex 6 adjacent to 1 2 3 4 5
- Singular graph with $|Aut(CUTP(G))| = 3840$ and $|ARes(G)| = 64$:
  1. vertex 1 adjacent to 5 6
  2. vertex 2 adjacent to 5
  3. vertex 3 adjacent to 6
  4. vertex 4 adjacent to 6
  5. vertex 5 adjacent to 1 2
  6. vertex 6 adjacent to 1 3 4
- Singular graph with $|Aut(CUTP(G))| = 3840$ and $|ARes(G)| = 256$:
  1. vertex 1 adjacent to 5
  2. vertex 2 adjacent to 5
  3. vertex 3 adjacent to 6

4. vertex 4 adjacent to 6
5. vertex 5 adjacent to 1 2 6
6. vertex 6 adjacent to 3 4 5

- Singular graph with $|Aut(CUTP(G))| = 3072$ and $|ARes(G)| = 128$:

1. vertex 1 adjacent to 5 6
2. vertex 2 adjacent to 5 6
3. vertex 3 adjacent to 6
4. vertex 4 adjacent to 6
5. vertex 5 adjacent to 1 2
6. vertex 6 adjacent to 1 2 3 4

- Singular graph with $|Aut(CUTP(G))| = 1152$ and $|ARes(G)| = 64$:

1. vertex 1 adjacent to 5 6
2. vertex 2 adjacent to 5
3. vertex 3 adjacent to 6
4. vertex 4 adjacent to 6
5. vertex 5 adjacent to 1 2 6
6. vertex 6 adjacent to 1 3 4 5

- Singular graph with $|Aut(CUTP(G))| = 1024$ and $|ARes(G)| = 128$:

1. vertex 1 adjacent to 5 6
2. vertex 2 adjacent to 5 6
3. vertex 3 adjacent to 6
4. vertex 4 adjacent to 6
5. vertex 5 adjacent to 1 2 6
6. vertex 6 adjacent to 1 2 3 4 5

- Singular graph with $|Aut(CUTP(G))| = 3072$ and $|ARes(G)| = 128$:

1. vertex 1 adjacent to 5 6

2. vertex 2 adjacent to 5 6
3. vertex 3 adjacent to 5
4. vertex 4 adjacent to 6
5. vertex 5 adjacent to 1 2 3
6. vertex 6 adjacent to 1 2 4

- Singular graph with $|Aut(CUTP(G))| = 9216$ and $|ARes(G)| = 192$:

1. vertex 1 adjacent to 5 6
2. vertex 2 adjacent to 5 6
3. vertex 3 adjacent to 5 6
4. vertex 4 adjacent to 6
5. vertex 5 adjacent to 1 2 3
6. vertex 6 adjacent to 1 2 3 4

- Singular graph with $|Aut(CUTP(G))| = 1024$ and $|ARes(G)| = 128$:

1. vertex 1 adjacent to 5 6
2. vertex 2 adjacent to 5 6
3. vertex 3 adjacent to 5
4. vertex 4 adjacent to 6
5. vertex 5 adjacent to 1 2 3 6
6. vertex 6 adjacent to 1 2 4 5

- Singular graph with $|Aut(CUTP(G))| = 9216$ and $|ARes(G)| = 192$:

1. vertex 1 adjacent to 5 6
2. vertex 2 adjacent to 5 6
3. vertex 3 adjacent to 5 6
4. vertex 4 adjacent to 6
5. vertex 5 adjacent to 1 2 3 6
6. vertex 6 adjacent to 1 2 3 4 5

- Singular graph with $|Aut(CUTP(G))| = 294912$ and $|ARes(G)| = 1536$:

  1. vertex 1 adjacent to 5 6
  2. vertex 2 adjacent to 5 6
  3. vertex 3 adjacent to 5 6
  4. vertex 4 adjacent to 5 6
  5. vertex 5 adjacent to 1 2 3 4
  6. vertex 6 adjacent to 1 2 3 4

- Singular graph with $|Aut(CUTP(G))| = 294912$ and $|ARes(G)| = 1536$:

  1. vertex 1 adjacent to 5 6
  2. vertex 2 adjacent to 5 6
  3. vertex 3 adjacent to 5 6
  4. vertex 4 adjacent to 5 6
  5. vertex 5 adjacent to 1 2 3 4 6
  6. vertex 6 adjacent to 1 2 3 4 5

- Singular graph with $|Aut(CUTP(G))| = 3840$ and $|ARes(G)| = 64$:

  1. vertex 1 adjacent to 4 6
  2. vertex 2 adjacent to 5 6
  3. vertex 3 adjacent to 6
  4. vertex 4 adjacent to 1
  5. vertex 5 adjacent to 2
  6. vertex 6 adjacent to 1 2 3

- Singular graph with $|Aut(CUTP(G))| = 1152$ and $|ARes(G)| = 64$:

  1. vertex 1 adjacent to 4 6
  2. vertex 2 adjacent to 5 6
  3. vertex 3 adjacent to 6

4. vertex 4 adjacent to 1 6
5. vertex 5 adjacent to 2
6. vertex 6 adjacent to 1 2 3 4

- Singular graph with $|Aut(CUTP(G))| = 2304$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 4 6
2. vertex 2 adjacent to 5 6
3. vertex 3 adjacent to 6
4. vertex 4 adjacent to 1 6
5. vertex 5 adjacent to 2 6
6. vertex 6 adjacent to 1 2 3 4 5

- Singular graph with $|Aut(CUTP(G))| = 3072$ and $|ARes(G)| = 64$:

1. vertex 1 adjacent to 4 5 6
2. vertex 2 adjacent to 5 6
3. vertex 3 adjacent to 6
4. vertex 4 adjacent to 1
5. vertex 5 adjacent to 1 2
6. vertex 6 adjacent to 1 2 3

- Singular graph with $|Aut(CUTP(G))| = 3840$ and $|ARes(G)| = 64$:

1. vertex 1 adjacent to 4 5
2. vertex 2 adjacent to 5 6
3. vertex 3 adjacent to 6
4. vertex 4 adjacent to 1 6
5. vertex 5 adjacent to 1 2
6. vertex 6 adjacent to 2 3 4

- Singular graph with $|Aut(CUTP(G))| = 1152$ and $|ARes(G)| = 192$:

1. vertex 1 adjacent to 4 5 6

2. vertex 2 adjacent to 5
3. vertex 3 adjacent to 6
4. vertex 4 adjacent to 1
5. vertex 5 adjacent to 1 2 6
6. vertex 6 adjacent to 1 3 5

- Singular graph with $|Aut(CUTP(G))| = 384$ and $|ARes(G)| = 32$:

1. vertex 1 adjacent to 4 5 6
2. vertex 2 adjacent to 5 6
3. vertex 3 adjacent to 6
4. vertex 4 adjacent to 1 6
5. vertex 5 adjacent to 1 2
6. vertex 6 adjacent to 1 2 3 4

- Singular graph with $|Aut(CUTP(G))| = 1024$ and $|ARes(G)| = 32$:

1. vertex 1 adjacent to 4 5 6
2. vertex 2 adjacent to 5 6
3. vertex 3 adjacent to 6
4. vertex 4 adjacent to 1
5. vertex 5 adjacent to 1 2 6
6. vertex 6 adjacent to 1 2 3 5

- Singular graph with $|Aut(CUTP(G))| = 256$ and $|ARes(G)| = 64$:

1. vertex 1 adjacent to 4 5 6
2. vertex 2 adjacent to 5 6
3. vertex 3 adjacent to 6
4. vertex 4 adjacent to 1 6
5. vertex 5 adjacent to 1 2 6
6. vertex 6 adjacent to 1 2 3 4 5

- Singular graph with $|Aut(CUTP(G))| = 3840$ and $|ARes(G)| = 64$:

1. vertex 1 adjacent to 4 6
2. vertex 2 adjacent to 5 6
3. vertex 3 adjacent to 5
4. vertex 4 adjacent to 1
5. vertex 5 adjacent to 2 3
6. vertex 6 adjacent to 1 2

- Singular graph with $|Aut(CUTP(G))| = 3072$ and $|ARes(G)| = 64$:

1. vertex 1 adjacent to 4 6
2. vertex 2 adjacent to 5 6
3. vertex 3 adjacent to 5 6
4. vertex 4 adjacent to 1
5. vertex 5 adjacent to 2 3
6. vertex 6 adjacent to 1 2 3

- Singular graph with $|Aut(CUTP(G))| = 1152$ and $|ARes(G)| = 64$:

1. vertex 1 adjacent to 4 6
2. vertex 2 adjacent to 5 6
3. vertex 3 adjacent to 5
4. vertex 4 adjacent to 1 6
5. vertex 5 adjacent to 2 3
6. vertex 6 adjacent to 1 2 4

- Singular graph with $|Aut(CUTP(G))| = 1152$ and $|ARes(G)| = 32$:

1. vertex 1 adjacent to 4 6
2. vertex 2 adjacent to 5 6
3. vertex 3 adjacent to 5
4. vertex 4 adjacent to 1
5. vertex 5 adjacent to 2 3 6
6. vertex 6 adjacent to 1 2 5

- Singular graph with $|Aut(CUTP(G))| = 1152$ and $|ARes(G)| = 128$:
  1. vertex 1 adjacent to 4 6
  2. vertex 2 adjacent to 5
  3. vertex 3 adjacent to 5
  4. vertex 4 adjacent to 1 6
  5. vertex 5 adjacent to 2 3 6
  6. vertex 6 adjacent to 1 4 5
- Singular graph with $|Aut(CUTP(G))| = 9216$ and $|ARes(G)| = 128$:
  1. vertex 1 adjacent to 4 6
  2. vertex 2 adjacent to 5 6
  3. vertex 3 adjacent to 5 6
  4. vertex 4 adjacent to 1 6
  5. vertex 5 adjacent to 2 3
  6. vertex 6 adjacent to 1 2 3 4
- Singular graph with $|Aut(CUTP(G))| = 1024$ and $|ARes(G)| = 64$:
  1. vertex 1 adjacent to 4 6
  2. vertex 2 adjacent to 5 6
  3. vertex 3 adjacent to 5 6
  4. vertex 4 adjacent to 1
  5. vertex 5 adjacent to 2 3 6
  6. vertex 6 adjacent to 1 2 3 5
- Singular graph with $|Aut(CUTP(G))| = 2304$ and $|ARes(G)| = 64$:
  1. vertex 1 adjacent to 4 6
  2. vertex 2 adjacent to 5 6
  3. vertex 3 adjacent to 5
  4. vertex 4 adjacent to 1 6
  5. vertex 5 adjacent to 2 3 6

6. vertex 6 adjacent to 1 2 4 5

- Singular graph with $|Aut(CUTP(G))| = 3072$ and $|ARes(G)| = 128$:

1. vertex 1 adjacent to 4 6
2. vertex 2 adjacent to 5 6
3. vertex 3 adjacent to 5 6
4. vertex 4 adjacent to 1 6
5. vertex 5 adjacent to 2 3 6
6. vertex 6 adjacent to 1 2 3 4 5

- Singular graph with $|Aut(CUTP(G))| = 1024$ and $|ARes(G)| = 128$:

1. vertex 1 adjacent to 4 5 6
2. vertex 2 adjacent to 6
3. vertex 3 adjacent to 6
4. vertex 4 adjacent to 1 5 6
5. vertex 5 adjacent to 1 4
6. vertex 6 adjacent to 1 2 3 4

- Singular graph with $|Aut(CUTP(G))| = 9216$ and $|ARes(G)| = 384$:

1. vertex 1 adjacent to 4 5 6
2. vertex 2 adjacent to 6
3. vertex 3 adjacent to 6
4. vertex 4 adjacent to 1 5 6
5. vertex 5 adjacent to 1 4 6
6. vertex 6 adjacent to 1 2 3 4 5

- Singular graph with $|Aut(CUTP(G))| = 3072$ and $|ARes(G)| = 128$:

1. vertex 1 adjacent to 4 5
2. vertex 2 adjacent to 5 6
3. vertex 3 adjacent to 5 6

4. vertex 4 adjacent to 1 6
5. vertex 5 adjacent to 1 2 3
6. vertex 6 adjacent to 2 3 4

- Singular graph with $|Aut(CUTP(G))| = 1024$ and $|ARes(G)| = 64$:

1. vertex 1 adjacent to 4 5 6
2. vertex 2 adjacent to 5 6
3. vertex 3 adjacent to 5 6
4. vertex 4 adjacent to 1 6
5. vertex 5 adjacent to 1 2 3
6. vertex 6 adjacent to 1 2 3 4

- Singular graph with $|Aut(CUTP(G))| = 9216$ and $|ARes(G)| = 128$:

1. vertex 1 adjacent to 4 5 6
2. vertex 2 adjacent to 5 6
3. vertex 3 adjacent to 5 6
4. vertex 4 adjacent to 1
5. vertex 5 adjacent to 1 2 3 6
6. vertex 6 adjacent to 1 2 3 5

- Singular graph with $|Aut(CUTP(G))| = 256$ and $|ARes(G)| = 32$:

1. vertex 1 adjacent to 4 5 6
2. vertex 2 adjacent to 5 6
3. vertex 3 adjacent to 5
4. vertex 4 adjacent to 1 6
5. vertex 5 adjacent to 1 2 3 6
6. vertex 6 adjacent to 1 2 4 5

- Singular graph with $|Aut(CUTP(G))| = 3072$ and $|ARes(G)| = 128$:

1. vertex 1 adjacent to 4 5

2. vertex 2 adjacent to 5 6
3. vertex 3 adjacent to 5 6
4. vertex 4 adjacent to 1 6
5. vertex 5 adjacent to 1 2 3 6
6. vertex 6 adjacent to 2 3 4 5

- Singular graph with $|Aut(CUTP(G))| = 1024$ and $|ARes(G)| = 64$:

1. vertex 1 adjacent to 4 5 6
2. vertex 2 adjacent to 5 6
3. vertex 3 adjacent to 5 6
4. vertex 4 adjacent to 1 6
5. vertex 5 adjacent to 1 2 3 6
6. vertex 6 adjacent to 1 2 3 4 5

- Singular graph with $|Aut(CUTP(G))| = 512$ and $|ARes(G)| = 64$:

1. vertex 1 adjacent to 4 5 6
2. vertex 2 adjacent to 5 6
3. vertex 3 adjacent to 6
4. vertex 4 adjacent to 1 5 6
5. vertex 5 adjacent to 1 2 4
6. vertex 6 adjacent to 1 2 3 4

- Singular graph with $|Aut(CUTP(G))| = 9216$ and $|ARes(G)| = 128$:

1. vertex 1 adjacent to 4 5 6
2. vertex 2 adjacent to 5
3. vertex 3 adjacent to 6
4. vertex 4 adjacent to 1 5 6
5. vertex 5 adjacent to 1 2 4 6
6. vertex 6 adjacent to 1 3 4 5

- Singular graph with $|Aut(CUTP(G))| = 512$ and $|ARes(G)| = 64$:

1. vertex 1 adjacent to 4 5 6
2. vertex 2 adjacent to 5 6
3. vertex 3 adjacent to 6
4. vertex 4 adjacent to 1 5 6
5. vertex 5 adjacent to 1 2 4 6
6. vertex 6 adjacent to 1 2 3 4 5

- Singular graph with $|Aut(CUTP(G))| = 4096$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 4 5 6
2. vertex 2 adjacent to 5 6
3. vertex 3 adjacent to 5 6
4. vertex 4 adjacent to 1 5 6
5. vertex 5 adjacent to 1 2 3 4
6. vertex 6 adjacent to 1 2 3 4

- Singular graph with $|Aut(CUTP(G))| = 4096$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 4 5 6
2. vertex 2 adjacent to 5 6
3. vertex 3 adjacent to 5 6
4. vertex 4 adjacent to 1 5 6
5. vertex 5 adjacent to 1 2 3 4 6
6. vertex 6 adjacent to 1 2 3 4 5

- Singular graph with $|Aut(CUTP(G))| = 9216$ and $|ARes(G)| = 128$:

1. vertex 1 adjacent to 4 5 6
2. vertex 2 adjacent to 4 5 6
3. vertex 3 adjacent to 6
4. vertex 4 adjacent to 1 2
5. vertex 5 adjacent to 1 2
6. vertex 6 adjacent to 1 2 3

- Singular graph with $|Aut(CUTP(G))| = 512$ and $|ARes(G)| = 64$:
  1. vertex 1 adjacent to 4 5 6
  2. vertex 2 adjacent to 4 5 6
  3. vertex 3 adjacent to 6
  4. vertex 4 adjacent to 1 2 6
  5. vertex 5 adjacent to 1 2
  6. vertex 6 adjacent to 1 2 3 4
- Singular graph with $|Aut(CUTP(G))| = 23040$ and $|ARes(G)| = 384$:
  1. vertex 1 adjacent to 4 5
  2. vertex 2 adjacent to 4 6
  3. vertex 3 adjacent to 5 6
  4. vertex 4 adjacent to 1 2
  5. vertex 5 adjacent to 1 3
  6. vertex 6 adjacent to 2 3
- Singular graph with $|Aut(CUTP(G))| = 2304$ and $|ARes(G)| = 128$:
  1. vertex 1 adjacent to 4 5 6
  2. vertex 2 adjacent to 4 6
  3. vertex 3 adjacent to 5 6
  4. vertex 4 adjacent to 1 2
  5. vertex 5 adjacent to 1 3
  6. vertex 6 adjacent to 1 2 3
- Singular graph with $|Aut(CUTP(G))| = 384$ and $|ARes(G)| = 64$:
  1. vertex 1 adjacent to 4 5 6
  2. vertex 2 adjacent to 4
  3. vertex 3 adjacent to 5 6
  4. vertex 4 adjacent to 1 2 6
  5. vertex 5 adjacent to 1 3

6. vertex 6 adjacent to 1 3 4

- Singular graph with $|Aut(CUTP(G))| = 1536$ and $|ARes(G)| = 64$:

1. vertex 1 adjacent to 4 5
2. vertex 2 adjacent to 4 6
3. vertex 3 adjacent to 5 6
4. vertex 4 adjacent to 1 2 6
5. vertex 5 adjacent to 1 3
6. vertex 6 adjacent to 2 3 4

- Singular graph with $|Aut(CUTP(G))| = 1024$ and $|ARes(G)| = 128$:

1. vertex 1 adjacent to 4 5 6
2. vertex 2 adjacent to 4
3. vertex 3 adjacent to 5
4. vertex 4 adjacent to 1 2 6
5. vertex 5 adjacent to 1 3 6
6. vertex 6 adjacent to 1 4 5

- Singular graph with $|Aut(CUTP(G))| = 384$ and $|ARes(G)| = 32$:

1. vertex 1 adjacent to 4 5
2. vertex 2 adjacent to 4 6
3. vertex 3 adjacent to 5
4. vertex 4 adjacent to 1 2 6
5. vertex 5 adjacent to 1 3 6
6. vertex 6 adjacent to 2 4 5

- Singular graph with $|Aut(CUTP(G))| = 384$ and $|ARes(G)| = 32$:

1. vertex 1 adjacent to 4 5 6
2. vertex 2 adjacent to 4 6
3. vertex 3 adjacent to 5 6

4. vertex 4 adjacent to 1 2 6
5. vertex 5 adjacent to 1 3
6. vertex 6 adjacent to 1 2 3 4

- Singular graph with $|Aut(CUTP(G))| = 256$ and $|ARes(G)| = 32$:

1. vertex 1 adjacent to 4 5 6
2. vertex 2 adjacent to 4 6
3. vertex 3 adjacent to 5
4. vertex 4 adjacent to 1 2 6
5. vertex 5 adjacent to 1 3 6
6. vertex 6 adjacent to 1 2 4 5

- Singular graph with $|Aut(CUTP(G))| = 512$ and $|ARes(G)| = 64$:

1. vertex 1 adjacent to 4 5
2. vertex 2 adjacent to 4 6
3. vertex 3 adjacent to 5 6
4. vertex 4 adjacent to 1 2 6
5. vertex 5 adjacent to 1 3 6
6. vertex 6 adjacent to 2 3 4 5

- Singular graph with $|Aut(CUTP(G))| = 256$ and $|ARes(G)| = 64$:

1. vertex 1 adjacent to 4 5 6
2. vertex 2 adjacent to 4 6
3. vertex 3 adjacent to 5 6
4. vertex 4 adjacent to 1 2 6
5. vertex 5 adjacent to 1 3 6
6. vertex 6 adjacent to 1 2 3 4 5

- Singular graph with $|Aut(CUTP(G))| = 2048$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 4 5 6

2. vertex 2 adjacent to 4 5 6
3. vertex 3 adjacent to 5 6
4. vertex 4 adjacent to 1 2
5. vertex 5 adjacent to 1 2 3
6. vertex 6 adjacent to 1 2 3

- Singular graph with $|Aut(CUTP(G))| = 512$ and $|ARes(G)| = 128$:

1. vertex 1 adjacent to 4 5 6
2. vertex 2 adjacent to 4 5 6
3. vertex 3 adjacent to 5
4. vertex 4 adjacent to 1 2 6
5. vertex 5 adjacent to 1 2 3
6. vertex 6 adjacent to 1 2 4

- Singular graph with $|Aut(CUTP(G))| = 128$ and $|ARes(G)| = 64$:

1. vertex 1 adjacent to 4 5 6
2. vertex 2 adjacent to 4 5 6
3. vertex 3 adjacent to 5 6
4. vertex 4 adjacent to 1 2 6
5. vertex 5 adjacent to 1 2 3
6. vertex 6 adjacent to 1 2 3 4

- Singular graph with $|Aut(CUTP(G))| = 1024$ and $|ARes(G)| = 128$:

1. vertex 1 adjacent to 4 5 6
2. vertex 2 adjacent to 4 5 6
3. vertex 3 adjacent to 5 6
4. vertex 4 adjacent to 1 2
5. vertex 5 adjacent to 1 2 3 6
6. vertex 6 adjacent to 1 2 3 5

- Singular graph with $|Aut(CUTP(G))| = 128$ and $|ARes(G)| = 64$:

1. vertex 1 adjacent to 4 5 6
2. vertex 2 adjacent to 4 5 6
3. vertex 3 adjacent to 5 6
4. vertex 4 adjacent to 1 2 6
5. vertex 5 adjacent to 1 2 3 6
6. vertex 6 adjacent to 1 2 3 4 5

- Singular graph with $|Aut(CUTP(G))| = 256$ and $|ARes(G)| = 64$:

1. vertex 1 adjacent to 4 5 6
2. vertex 2 adjacent to 4 5 6
3. vertex 3 adjacent to 6
4. vertex 4 adjacent to 1 2 5 6
5. vertex 5 adjacent to 1 2 4
6. vertex 6 adjacent to 1 2 3 4

- Singular graph with $|Aut(CUTP(G))| = 512$ and $|ARes(G)| = 64$:

1. vertex 1 adjacent to 4 5 6
2. vertex 2 adjacent to 4 5
3. vertex 3 adjacent to 6
4. vertex 4 adjacent to 1 2 5 6
5. vertex 5 adjacent to 1 2 4 6
6. vertex 6 adjacent to 1 3 4 5

- Singular graph with $|Aut(CUTP(G))| = 384$ and $|ARes(G)| = 128$:

1. vertex 1 adjacent to 4 5 6
2. vertex 2 adjacent to 4 5 6
3. vertex 3 adjacent to 6
4. vertex 4 adjacent to 1 2 5 6
5. vertex 5 adjacent to 1 2 4 6
6. vertex 6 adjacent to 1 2 3 4 5

- Singular graph with $|Aut(CUTP(G))| = 128$ and $|ARes(G)| = 32$:
  1. vertex 1 adjacent to 4 5 6
  2. vertex 2 adjacent to 4 6
  3. vertex 3 adjacent to 5 6
  4. vertex 4 adjacent to 1 2 5 6
  5. vertex 5 adjacent to 1 3 4
  6. vertex 6 adjacent to 1 2 3 4
- Singular graph with $|Aut(CUTP(G))| = 1536$ and $|ARes(G)| = 192$:
  1. vertex 1 adjacent to 4 5
  2. vertex 2 adjacent to 4 6
  3. vertex 3 adjacent to 5 6
  4. vertex 4 adjacent to 1 2 5 6
  5. vertex 5 adjacent to 1 3 4 6
  6. vertex 6 adjacent to 2 3 4 5
- Singular graph with $|Aut(CUTP(G))| = 256$ and $|ARes(G)| = 64$:
  1. vertex 1 adjacent to 4 5 6
  2. vertex 2 adjacent to 4 6
  3. vertex 3 adjacent to 5 6
  4. vertex 4 adjacent to 1 2 5 6
  5. vertex 5 adjacent to 1 3 4 6
  6. vertex 6 adjacent to 1 2 3 4 5
- Singular graph with $|Aut(CUTP(G))| = 256$ and $|ARes(G)| = 128$:
  1. vertex 1 adjacent to 4 5 6
  2. vertex 2 adjacent to 4 5 6
  3. vertex 3 adjacent to 5 6
  4. vertex 4 adjacent to 1 2 5 6
  5. vertex 5 adjacent to 1 2 3 4 6

6. vertex 6 adjacent to 1 2 3 4 5

- Singular graph with $|Aut(CUTP(G))| = 256$ and $|ARes(G)| = 128$:

  1. vertex 1 adjacent to 4 5 6
  2. vertex 2 adjacent to 4 5 6
  3. vertex 3 adjacent to 4 5
  4. vertex 4 adjacent to 1 2 3 6
  5. vertex 5 adjacent to 1 2 3 6
  6. vertex 6 adjacent to 1 2 4 5

- Singular graph with $|Aut(CUTP(G))| = 1024$ and $|ARes(G)| = 64$:

  1. vertex 1 adjacent to 3 5 6
  2. vertex 2 adjacent to 4 6
  3. vertex 3 adjacent to 1 5 6
  4. vertex 4 adjacent to 2
  5. vertex 5 adjacent to 1 3
  6. vertex 6 adjacent to 1 2 3

- Singular graph with $|Aut(CUTP(G))| = 2304$ and $|ARes(G)| = 256$:

  1. vertex 1 adjacent to 3 5 6
  2. vertex 2 adjacent to 4 6
  3. vertex 3 adjacent to 1 5
  4. vertex 4 adjacent to 2 6
  5. vertex 5 adjacent to 1 3
  6. vertex 6 adjacent to 1 2 4

- Singular graph with $|Aut(CUTP(G))| = 3072$ and $|ARes(G)| = 128$:

  1. vertex 1 adjacent to 3 5 6
  2. vertex 2 adjacent to 4 6
  3. vertex 3 adjacent to 1 5 6

4. vertex 4 adjacent to 2 6
5. vertex 5 adjacent to 1 3
6. vertex 6 adjacent to 1 2 3 4

- Singular graph with $|Aut(CUTP(G))| = 9216$ and $|ARes(G)| = 192$:

1. vertex 1 adjacent to 3 5 6
2. vertex 2 adjacent to 4 6
3. vertex 3 adjacent to 1 5 6
4. vertex 4 adjacent to 2
5. vertex 5 adjacent to 1 3 6
6. vertex 6 adjacent to 1 2 3 5

- Singular graph with $|Aut(CUTP(G))| = 27648$ and $|ARes(G)| = 384$:

1. vertex 1 adjacent to 3 5 6
2. vertex 2 adjacent to 4 6
3. vertex 3 adjacent to 1 5 6
4. vertex 4 adjacent to 2 6
5. vertex 5 adjacent to 1 3 6
6. vertex 6 adjacent to 1 2 3 4 5

- Singular graph with $|Aut(CUTP(G))| = 512$ and $|ARes(G)| = 128$:

1. vertex 1 adjacent to 3 5 6
2. vertex 2 adjacent to 4 5 6
3. vertex 3 adjacent to 1 5
4. vertex 4 adjacent to 2 6
5. vertex 5 adjacent to 1 2 3
6. vertex 6 adjacent to 1 2 4

- Singular graph with $|Aut(CUTP(G))| = 512$ and $|ARes(G)| = 64$:

1. vertex 1 adjacent to 3 5 6

2. vertex 2 adjacent to 4 5 6
3. vertex 3 adjacent to 1 5 6
4. vertex 4 adjacent to 2 6
5. vertex 5 adjacent to 1 2 3
6. vertex 6 adjacent to 1 2 3 4

- Singular graph with $|Aut(CUTP(G))| = 512$ and $|ARes(G)| = 128$:

1. vertex 1 adjacent to 3 5 6
2. vertex 2 adjacent to 4 5 6
3. vertex 3 adjacent to 1 5 6
4. vertex 4 adjacent to 2
5. vertex 5 adjacent to 1 2 3 6
6. vertex 6 adjacent to 1 2 3 5

- Singular graph with $|Aut(CUTP(G))| = 256$ and $|ARes(G)| = 64$:

1. vertex 1 adjacent to 3 5 6
2. vertex 2 adjacent to 4 5 6
3. vertex 3 adjacent to 1 5
4. vertex 4 adjacent to 2 6
5. vertex 5 adjacent to 1 2 3 6
6. vertex 6 adjacent to 1 2 4 5

- Singular graph with $|Aut(CUTP(G))| = 1536$ and $|ARes(G)| = 128$:

1. vertex 1 adjacent to 3 5 6
2. vertex 2 adjacent to 4 5
3. vertex 3 adjacent to 1 5 6
4. vertex 4 adjacent to 2 6
5. vertex 5 adjacent to 1 2 3 6
6. vertex 6 adjacent to 1 3 4 5

- Singular graph with $|Aut(CUTP(G))| = 512$ and $|ARes(G)| = 64$:

1. vertex 1 adjacent to 3 5 6
2. vertex 2 adjacent to 4 5 6
3. vertex 3 adjacent to 1 5 6
4. vertex 4 adjacent to 2 6
5. vertex 5 adjacent to 1 2 3 6
6. vertex 6 adjacent to 1 2 3 4 5

- Singular graph with $|Aut(CUTP(G))| = 4096$ and $|ARes(G)| = 512$:

1. vertex 1 adjacent to 3 5 6
2. vertex 2 adjacent to 4 5 6
3. vertex 3 adjacent to 1 5 6
4. vertex 4 adjacent to 2 5 6
5. vertex 5 adjacent to 1 2 3 4
6. vertex 6 adjacent to 1 2 3 4

- Singular graph with $|Aut(CUTP(G))| = 4096$ and $|ARes(G)| = 512$:

1. vertex 1 adjacent to 3 5 6
2. vertex 2 adjacent to 4 5 6
3. vertex 3 adjacent to 1 5 6
4. vertex 4 adjacent to 2 5 6
5. vertex 5 adjacent to 1 2 3 4 6
6. vertex 6 adjacent to 1 2 3 4 5

- Singular graph with $|Aut(CUTP(G))| = 256$ and $|ARes(G)| = 64$:

1. vertex 1 adjacent to 3 4 6
2. vertex 2 adjacent to 4 5 6
3. vertex 3 adjacent to 1 5 6
4. vertex 4 adjacent to 1 2
5. vertex 5 adjacent to 2 3
6. vertex 6 adjacent to 1 2 3

- Singular graph with $|Aut(CUTP(G))| = 1536$ and $|ARes(G)| = 128$:
  1. vertex 1 adjacent to 3 4 6
  2. vertex 2 adjacent to 4 5 6
  3. vertex 3 adjacent to 1 5
  4. vertex 4 adjacent to 1 2 6
  5. vertex 5 adjacent to 2 3
  6. vertex 6 adjacent to 1 2 4
- Singular graph with $|Aut(CUTP(G))| = 128$ and $|ARes(G)| = 64$:
  1. vertex 1 adjacent to 3 4 6
  2. vertex 2 adjacent to 4 5 6
  3. vertex 3 adjacent to 1 5 6
  4. vertex 4 adjacent to 1 2 6
  5. vertex 5 adjacent to 2 3
  6. vertex 6 adjacent to 1 2 3 4
- Singular graph with $|Aut(CUTP(G))| = 128$ and $|ARes(G)| = 64$:
  1. vertex 1 adjacent to 3 4 5 6
  2. vertex 2 adjacent to 4 5 6
  3. vertex 3 adjacent to 1 5
  4. vertex 4 adjacent to 1 2 6
  5. vertex 5 adjacent to 1 2 3 6
  6. vertex 6 adjacent to 1 2 4 5
- Singular graph with $|Aut(CUTP(G))| = 128$ and $|ARes(G)| = 64$:
  1. vertex 1 adjacent to 3 4 5 6
  2. vertex 2 adjacent to 5 6
  3. vertex 3 adjacent to 1 4 5 6
  4. vertex 4 adjacent to 1 3 6
  5. vertex 5 adjacent to 1 2 3

6. vertex 6 adjacent to 1 2 3 4

- Singular graph with $|Aut(CUTP(G))| = 2048$ and $|ARes(G)| = 256$:

  1. vertex 1 adjacent to 3 4 5 6
  2. vertex 2 adjacent to 5 6
  3. vertex 3 adjacent to 1 4 5 6
  4. vertex 4 adjacent to 1 3
  5. vertex 5 adjacent to 1 2 3 6
  6. vertex 6 adjacent to 1 2 3 5

- Singular graph with $|Aut(CUTP(G))| = 128$ and $|ARes(G)| = 64$:

  1. vertex 1 adjacent to 3 4 5 6
  2. vertex 2 adjacent to 5 6
  3. vertex 3 adjacent to 1 4 5 6
  4. vertex 4 adjacent to 1 3 6
  5. vertex 5 adjacent to 1 2 3 6
  6. vertex 6 adjacent to 1 2 3 4 5

- Singular graph with $|Aut(CUTP(G))| = 384$ and $|ARes(G)| = 192$:

  1. vertex 1 adjacent to 3 4 5 6
  2. vertex 2 adjacent to 6
  3. vertex 3 adjacent to 1 4 5 6
  4. vertex 4 adjacent to 1 3 5 6
  5. vertex 5 adjacent to 1 3 4
  6. vertex 6 adjacent to 1 2 3 4

- Singular graph with $|Aut(CUTP(G))| = 3840$ and $|ARes(G)| = 768$:

  1. vertex 1 adjacent to 3 4 5 6
  2. vertex 2 adjacent to 6
  3. vertex 3 adjacent to 1 4 5 6

4. vertex 4 adjacent to 1 3 5 6
5. vertex 5 adjacent to 1 3 4 6
6. vertex 6 adjacent to 1 2 3 4 5

- Singular graph with $|Aut(CUTP(G))| = 768$ and $|ARes(G)| = 384$:

1. vertex 1 adjacent to 3 4 5 6
2. vertex 2 adjacent to 5 6
3. vertex 3 adjacent to 1 4 5 6
4. vertex 4 adjacent to 1 3 5 6
5. vertex 5 adjacent to 1 2 3 4 6
6. vertex 6 adjacent to 1 2 3 4 5

- Singular graph with $|Aut(CUTP(G))| = 768$ and $|ARes(G)| = 384$:

1. vertex 1 adjacent to 3 4 5 6
2. vertex 2 adjacent to 3 4 5 6
3. vertex 3 adjacent to 1 2 5 6
4. vertex 4 adjacent to 1 2
5. vertex 5 adjacent to 1 2 3 6
6. vertex 6 adjacent to 1 2 3 5