Number of vertices $n = 7$.
Number of singular graphs 707.

- Singular graph with $|Aut(CUTP(G))| = 46080$ and $|ARes(G)| = 1536$:

  1. vertex 1 adjacent to 6 7
  2. vertex 2 adjacent to 7
  3. vertex 3 adjacent to 7
  4. vertex 4 adjacent to 7
  5. vertex 5 adjacent to 7
  6. vertex 6 adjacent to 1
  7. vertex 7 adjacent to 1 2 3 4 5

- Singular graph with $|Aut(CUTP(G))| = 9216$ and $|ARes(G)| = 3072$:

  1. vertex 1 adjacent to 6 7
  2. vertex 2 adjacent to 7
  3. vertex 3 adjacent to 7
  4. vertex 4 adjacent to 7
  5. vertex 5 adjacent to 7
  6. vertex 6 adjacent to 1 7
  7. vertex 7 adjacent to 1 2 3 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 46080$ and $|ARes(G)| = 384$:

  1. vertex 1 adjacent to 6 7
  2. vertex 2 adjacent to 6
  3. vertex 3 adjacent to 7
  4. vertex 4 adjacent to 7
  5. vertex 5 adjacent to 7
  6. vertex 6 adjacent to 1 2
  7. vertex 7 adjacent to 1 3 4 5

- Singular graph with $|Aut(CUTP(G))| = 46080$ and $|ARes(G)| = 768$:

1. vertex 1 adjacent to 6
2. vertex 2 adjacent to 6
3. vertex 3 adjacent to 7
4. vertex 4 adjacent to 7
5. vertex 5 adjacent to 7
6. vertex 6 adjacent to 1 2 7
7. vertex 7 adjacent to 3 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 18432$ and $|ARes(G)| = 768$:

1. vertex 1 adjacent to 6 7
2. vertex 2 adjacent to 6 7
3. vertex 3 adjacent to 7
4. vertex 4 adjacent to 7
5. vertex 5 adjacent to 7
6. vertex 6 adjacent to 1 2
7. vertex 7 adjacent to 1 2 3 4 5

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

1. vertex 1 adjacent to 6 7
2. vertex 2 adjacent to 6
3. vertex 3 adjacent to 7
4. vertex 4 adjacent to 7
5. vertex 5 adjacent to 7
6. vertex 6 adjacent to 1 2 7
7. vertex 7 adjacent to 1 3 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 6144$ and $|ARes(G)| = 768$:

1. vertex 1 adjacent to 6 7
2. vertex 2 adjacent to 6 7
3. vertex 3 adjacent to 7

4. vertex 4 adjacent to 7
5. vertex 5 adjacent to 7
6. vertex 6 adjacent to 1 2 7
7. vertex 7 adjacent to 1 2 3 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 46080$ and $|ARes(G)| = 512$:

1. vertex 1 adjacent to 6 7
2. vertex 2 adjacent to 6
3. vertex 3 adjacent to 6
4. vertex 4 adjacent to 7
5. vertex 5 adjacent to 7
6. vertex 6 adjacent to 1 2 3
7. vertex 7 adjacent to 1 4 5

- Singular graph with $|Aut(CUTP(G))| = 18432$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 6 7
2. vertex 2 adjacent to 6 7
3. vertex 3 adjacent to 6
4. vertex 4 adjacent to 7
5. vertex 5 adjacent to 7
6. vertex 6 adjacent to 1 2 3
7. vertex 7 adjacent to 1 2 4 5

- Singular graph with $|Aut(CUTP(G))| = 9216$ and $|ARes(G)| = 512$:

1. vertex 1 adjacent to 6 7
2. vertex 2 adjacent to 6
3. vertex 3 adjacent to 6
4. vertex 4 adjacent to 7
5. vertex 5 adjacent to 7
6. vertex 6 adjacent to 1 2 3 7

7. vertex 7 adjacent to 1 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 36864$ and $|ARes(G)| = 768$:
  1. vertex 1 adjacent to 6 7
  2. vertex 2 adjacent to 6 7
  3. vertex 3 adjacent to 6 7
  4. vertex 4 adjacent to 7
  5. vertex 5 adjacent to 7
  6. vertex 6 adjacent to 1 2 3
  7. vertex 7 adjacent to 1 2 3 4 5
- Singular graph with $|Aut(CUTP(G))| = 6144$ and $|ARes(G)| = 256$:
  1. vertex 1 adjacent to 6 7
  2. vertex 2 adjacent to 6 7
  3. vertex 3 adjacent to 6
  4. vertex 4 adjacent to 7
  5. vertex 5 adjacent to 7
  6. vertex 6 adjacent to 1 2 3 7
  7. vertex 7 adjacent to 1 2 4 5 6
- Singular graph with $|Aut(CUTP(G))| = 36864$ and $|ARes(G)| = 768$:
  1. vertex 1 adjacent to 6 7
  2. vertex 2 adjacent to 6 7
  3. vertex 3 adjacent to 6 7
  4. vertex 4 adjacent to 7
  5. vertex 5 adjacent to 7
  6. vertex 6 adjacent to 1 2 3 7
  7. vertex 7 adjacent to 1 2 3 4 5 6
- Singular graph with $|Aut(CUTP(G))| = 36864$ and $|ARes(G)| = 768$:
  1. vertex 1 adjacent to 6 7

2. vertex 2 adjacent to 6 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 6
5. vertex 5 adjacent to 7
6. vertex 6 adjacent to 1 2 3 4
7. vertex 7 adjacent to 1 2 3 5

- Singular graph with $|Aut(CUTP(G))| = 589824$ and $|ARes(G)| = 1536$:

1. vertex 1 adjacent to 6 7
2. vertex 2 adjacent to 6 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 6 7
5. vertex 5 adjacent to 7
6. vertex 6 adjacent to 1 2 3 4
7. vertex 7 adjacent to 1 2 3 4 5

- Singular graph with $|Aut(CUTP(G))| = 36864$ and $|ARes(G)| = 768$:

1. vertex 1 adjacent to 6 7
2. vertex 2 adjacent to 6 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 6
5. vertex 5 adjacent to 7
6. vertex 6 adjacent to 1 2 3 4 7
7. vertex 7 adjacent to 1 2 3 5 6

- Singular graph with $|Aut(CUTP(G))| = 589824$ and $|ARes(G)| = 1536$:

1. vertex 1 adjacent to 6 7
2. vertex 2 adjacent to 6 7

3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 6 7
5. vertex 5 adjacent to 7
6. vertex 6 adjacent to 1 2 3 4 7
7. vertex 7 adjacent to 1 2 3 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 29491200$ and $|ARes(G)| = 15360$:

1. vertex 1 adjacent to 6 7
2. vertex 2 adjacent to 6 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 6 7
5. vertex 5 adjacent to 6 7
6. vertex 6 adjacent to 1 2 3 4 5
7. vertex 7 adjacent to 1 2 3 4 5

- Singular graph with $|Aut(CUTP(G))| = 29491200$ and $|ARes(G)| = 15360$:

1. vertex 1 adjacent to 6 7
2. vertex 2 adjacent to 6 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 6 7
5. vertex 5 adjacent to 6 7
6. vertex 6 adjacent to 1 2 3 4 5 7
7. vertex 7 adjacent to 1 2 3 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 46080$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 5 7
2. vertex 2 adjacent to 6 7
3. vertex 3 adjacent to 7

4. vertex 4 adjacent to 7
5. vertex 5 adjacent to 1
6. vertex 6 adjacent to 2
7. vertex 7 adjacent to 1 2 3 4

- Singular graph with $|Aut(CUTP(G))| = 9216$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 5 7
2. vertex 2 adjacent to 6 7
3. vertex 3 adjacent to 7
4. vertex 4 adjacent to 7
5. vertex 5 adjacent to 1 7
6. vertex 6 adjacent to 2
7. vertex 7 adjacent to 1 2 3 4 5

- Singular graph with $|Aut(CUTP(G))| = 9216$ and $|ARes(G)| = 1024$:

1. vertex 1 adjacent to 5 7
2. vertex 2 adjacent to 6 7
3. vertex 3 adjacent to 7
4. vertex 4 adjacent to 7
5. vertex 5 adjacent to 1 7
6. vertex 6 adjacent to 2 7
7. vertex 7 adjacent to 1 2 3 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 46080$ and $|ARes(G)| = 128$:

1. vertex 1 adjacent to 5 6
2. vertex 2 adjacent to 6 7
3. vertex 3 adjacent to 7
4. vertex 4 adjacent to 7
5. vertex 5 adjacent to 1
6. vertex 6 adjacent to 1 2

7. vertex 7 adjacent to 2 3 4

- Singular graph with $|Aut(CUTP(G))| = 18432$ and $|ARes(G)| = 128$:
  1. vertex 1 adjacent to 5 6 7
  2. vertex 2 adjacent to 6 7
  3. vertex 3 adjacent to 7
  4. vertex 4 adjacent to 7
  5. vertex 5 adjacent to 1
  6. vertex 6 adjacent to 1 2
  7. vertex 7 adjacent to 1 2 3 4
- Singular graph with $|Aut(CUTP(G))| = 9216$ and $|ARes(G)| = 128$:
  1. vertex 1 adjacent to 5 6 7
  2. vertex 2 adjacent to 6
  3. vertex 3 adjacent to 7
  4. vertex 4 adjacent to 7
  5. vertex 5 adjacent to 1 7
  6. vertex 6 adjacent to 1 2
  7. vertex 7 adjacent to 1 3 4 5
- Singular graph with $|Aut(CUTP(G))| = 15360$ and $|ARes(G)| = 256$:
  1. vertex 1 adjacent to 5 6
  2. vertex 2 adjacent to 6 7
  3. vertex 3 adjacent to 7
  4. vertex 4 adjacent to 7
  5. vertex 5 adjacent to 1 7
  6. vertex 6 adjacent to 1 2
  7. vertex 7 adjacent to 2 3 4 5
- Singular graph with $|Aut(CUTP(G))| = 9216$ and $|ARes(G)| = 256$:
  1. vertex 1 adjacent to 5 6 7

2. vertex 2 adjacent to 6
3. vertex 3 adjacent to 7
4. vertex 4 adjacent to 7
5. vertex 5 adjacent to 1
6. vertex 6 adjacent to 1 2 7
7. vertex 7 adjacent to 1 3 4 6

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

1. vertex 1 adjacent to 5 6 7
2. vertex 2 adjacent to 6 7
3. vertex 3 adjacent to 7
4. vertex 4 adjacent to 7
5. vertex 5 adjacent to 1 7
6. vertex 6 adjacent to 1 2
7. vertex 7 adjacent to 1 2 3 4 5

- Singular graph with $|Aut(CUTP(G))| = 6144$ and $|ARes(G)| = 128$:

1. vertex 1 adjacent to 5 6 7
2. vertex 2 adjacent to 6 7
3. vertex 3 adjacent to 7
4. vertex 4 adjacent to 7
5. vertex 5 adjacent to 1
6. vertex 6 adjacent to 1 2 7
7. vertex 7 adjacent to 1 2 3 4 6

- Singular graph with $|Aut(CUTP(G))| = 1024$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 5 6 7
2. vertex 2 adjacent to 6 7
3. vertex 3 adjacent to 7
4. vertex 4 adjacent to 7

5. vertex 5 adjacent to 1 7
6. vertex 6 adjacent to 1 2 7
7. vertex 7 adjacent to 1 2 3 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 46080$ and $|ARes(G)| = 64$:

1. vertex 1 adjacent to 5 7
2. vertex 2 adjacent to 6 7
3. vertex 3 adjacent to 6
4. vertex 4 adjacent to 7
5. vertex 5 adjacent to 1
6. vertex 6 adjacent to 2 3
7. vertex 7 adjacent to 1 2 4

- Singular graph with $|Aut(CUTP(G))| = 46080$ and $|ARes(G)| = 128$:

1. vertex 1 adjacent to 5 7
2. vertex 2 adjacent to 6
3. vertex 3 adjacent to 6
4. vertex 4 adjacent to 7
5. vertex 5 adjacent to 1
6. vertex 6 adjacent to 2 3 7
7. vertex 7 adjacent to 1 4 6

- Singular graph with $|Aut(CUTP(G))| = 18432$ and $|ARes(G)| = 128$:

1. vertex 1 adjacent to 5 7
2. vertex 2 adjacent to 6 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 7
5. vertex 5 adjacent to 1
6. vertex 6 adjacent to 2 3
7. vertex 7 adjacent to 1 2 3 4

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

  1. vertex 1 adjacent to 5 7
  2. vertex 2 adjacent to 6 7
  3. vertex 3 adjacent to 6
  4. vertex 4 adjacent to 7
  5. vertex 5 adjacent to 1 7
  6. vertex 6 adjacent to 2 3
  7. vertex 7 adjacent to 1 2 4 5

- Singular graph with $|Aut(CUTP(G))| = 9216$ and $|ARes(G)| = 64$:

  1. vertex 1 adjacent to 5 7
  2. vertex 2 adjacent to 6 7
  3. vertex 3 adjacent to 6
  4. vertex 4 adjacent to 7
  5. vertex 5 adjacent to 1
  6. vertex 6 adjacent to 2 3 7
  7. vertex 7 adjacent to 1 2 4 6

- Singular graph with $|Aut(CUTP(G))| = 9216$ and $|ARes(G)| = 256$:

  1. vertex 1 adjacent to 5 7
  2. vertex 2 adjacent to 6
  3. vertex 3 adjacent to 6
  4. vertex 4 adjacent to 7
  5. vertex 5 adjacent to 1 7
  6. vertex 6 adjacent to 2 3 7
  7. vertex 7 adjacent to 1 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 18432$ and $|ARes(G)| = 256$:

  1. vertex 1 adjacent to 5 7
  2. vertex 2 adjacent to 6 7

3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 7
5. vertex 5 adjacent to 1 7
6. vertex 6 adjacent to 2 3
7. vertex 7 adjacent to 1 2 3 4 5

- Singular graph with $|Aut(CUTP(G))| = 6144$ and $|ARes(G)| = 128$:

1. vertex 1 adjacent to 5 7
2. vertex 2 adjacent to 6 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 7
5. vertex 5 adjacent to 1
6. vertex 6 adjacent to 2 3 7
7. vertex 7 adjacent to 1 2 3 4 6

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

1. vertex 1 adjacent to 5 7
2. vertex 2 adjacent to 6 7
3. vertex 3 adjacent to 6
4. vertex 4 adjacent to 7
5. vertex 5 adjacent to 1 7
6. vertex 6 adjacent to 2 3 7
7. vertex 7 adjacent to 1 2 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 6144$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 5 7
2. vertex 2 adjacent to 6 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 7
5. vertex 5 adjacent to 1 7

6. vertex 6 adjacent to 2 3 7
7. vertex 7 adjacent to 1 2 3 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 9216$ and $|ARes(G)| = 768$:

1. vertex 1 adjacent to 5 6 7
2. vertex 2 adjacent to 7
3. vertex 3 adjacent to 7
4. vertex 4 adjacent to 7
5. vertex 5 adjacent to 1 6
6. vertex 6 adjacent to 1 5
7. vertex 7 adjacent to 1 2 3 4

- Singular graph with $|Aut(CUTP(G))| = 6144$ and $|ARes(G)| = 768$:

1. vertex 1 adjacent to 5 6 7
2. vertex 2 adjacent to 7
3. vertex 3 adjacent to 7
4. vertex 4 adjacent to 7
5. vertex 5 adjacent to 1 6 7
6. vertex 6 adjacent to 1 5
7. vertex 7 adjacent to 1 2 3 4 5

- Singular graph with $|Aut(CUTP(G))| = 55296$ and $|ARes(G)| = 2304$:

1. vertex 1 adjacent to 5 6 7
2. vertex 2 adjacent to 7
3. vertex 3 adjacent to 7
4. vertex 4 adjacent to 7
5. vertex 5 adjacent to 1 6 7
6. vertex 6 adjacent to 1 5 7
7. vertex 7 adjacent to 1 2 3 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 15360$ and $|ARes(G)| = 128$:

1. vertex 1 adjacent to 5 6
2. vertex 2 adjacent to 6 7
3. vertex 3 adjacent to 6
4. vertex 4 adjacent to 7
5. vertex 5 adjacent to 1 7
6. vertex 6 adjacent to 1 2 3
7. vertex 7 adjacent to 2 4 5

- Singular graph with $|Aut(CUTP(G))| = 36864$ and $|ARes(G)| = 128$:

1. vertex 1 adjacent to 5 6 7
2. vertex 2 adjacent to 6 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 7
5. vertex 5 adjacent to 1
6. vertex 6 adjacent to 1 2 3
7. vertex 7 adjacent to 1 2 3 4

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

1. vertex 1 adjacent to 5 6 7
2. vertex 2 adjacent to 6 7
3. vertex 3 adjacent to 6
4. vertex 4 adjacent to 7
5. vertex 5 adjacent to 1 7
6. vertex 6 adjacent to 1 2 3
7. vertex 7 adjacent to 1 2 4 5

- Singular graph with $|Aut(CUTP(G))| = 6144$ and $|ARes(G)| = 128$:

1. vertex 1 adjacent to 5 6
2. vertex 2 adjacent to 6 7
3. vertex 3 adjacent to 6 7

4. vertex 4 adjacent to 7
5. vertex 5 adjacent to 1 7
6. vertex 6 adjacent to 1 2 3
7. vertex 7 adjacent to 2 3 4 5

- Singular graph with $|Aut(CUTP(G))| = 6144$ and $|ARes(G)| = 128$:

1. vertex 1 adjacent to 5 6 7
2. vertex 2 adjacent to 6 7
3. vertex 3 adjacent to 6
4. vertex 4 adjacent to 7
5. vertex 5 adjacent to 1
6. vertex 6 adjacent to 1 2 3 7
7. vertex 7 adjacent to 1 2 4 6

- Singular graph with $|Aut(CUTP(G))| = 6144$ and $|ARes(G)| = 128$:

1. vertex 1 adjacent to 5 6 7
2. vertex 2 adjacent to 6
3. vertex 3 adjacent to 6
4. vertex 4 adjacent to 7
5. vertex 5 adjacent to 1 7
6. vertex 6 adjacent to 1 2 3 7
7. vertex 7 adjacent to 1 4 5 6

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

1. vertex 1 adjacent to 5 6
2. vertex 2 adjacent to 6 7
3. vertex 3 adjacent to 6
4. vertex 4 adjacent to 7
5. vertex 5 adjacent to 1 7
6. vertex 6 adjacent to 1 2 3 7

7. vertex 7 adjacent to 2 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 2048$ and $|ARes(G)| = 128$:
  1. vertex 1 adjacent to 5 6 7
  2. vertex 2 adjacent to 6 7
  3. vertex 3 adjacent to 6 7
  4. vertex 4 adjacent to 7
  5. vertex 5 adjacent to 1 7
  6. vertex 6 adjacent to 1 2 3
  7. vertex 7 adjacent to 1 2 3 4 5
- Singular graph with $|Aut(CUTP(G))| = 36864$ and $|ARes(G)| = 128$:
  1. vertex 1 adjacent to 5 6 7
  2. vertex 2 adjacent to 6 7
  3. vertex 3 adjacent to 6 7
  4. vertex 4 adjacent to 7
  5. vertex 5 adjacent to 1
  6. vertex 6 adjacent to 1 2 3 7
  7. vertex 7 adjacent to 1 2 3 4 6
- Singular graph with $|Aut(CUTP(G))| = 1024$ and $|ARes(G)| = 64$:
  1. vertex 1 adjacent to 5 6 7
  2. vertex 2 adjacent to 6 7
  3. vertex 3 adjacent to 6
  4. vertex 4 adjacent to 7
  5. vertex 5 adjacent to 1 7
  6. vertex 6 adjacent to 1 2 3 7
  7. vertex 7 adjacent to 1 2 4 5 6
- Singular graph with $|Aut(CUTP(G))| = 6144$ and $|ARes(G)| = 128$:
  1. vertex 1 adjacent to 5 6

2. vertex 2 adjacent to 6 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 7
5. vertex 5 adjacent to 1 7
6. vertex 6 adjacent to 1 2 3 7
7. vertex 7 adjacent to 2 3 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 2048$ and $|ARes(G)| = 128$:

1. vertex 1 adjacent to 5 6 7
2. vertex 2 adjacent to 6 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 7
5. vertex 5 adjacent to 1 7
6. vertex 6 adjacent to 1 2 3 7
7. vertex 7 adjacent to 1 2 3 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 18432$ and $|ARes(G)| = 128$:

1. vertex 1 adjacent to 5 7
2. vertex 2 adjacent to 6 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 6
5. vertex 5 adjacent to 1
6. vertex 6 adjacent to 2 3 4
7. vertex 7 adjacent to 1 2 3

- Singular graph with $|Aut(CUTP(G))| = 9216$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 5 7
2. vertex 2 adjacent to 6 7
3. vertex 3 adjacent to 6
4. vertex 4 adjacent to 6

5. vertex 5 adjacent to 1 7
6. vertex 6 adjacent to 2 3 4
7. vertex 7 adjacent to 1 2 5

- Singular graph with $|Aut(CUTP(G))| = 36864$ and $|ARes(G)| = 384$:

1. vertex 1 adjacent to 5 7
2. vertex 2 adjacent to 6 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 6 7
5. vertex 5 adjacent to 1
6. vertex 6 adjacent to 2 3 4
7. vertex 7 adjacent to 1 2 3 4

- Singular graph with $|Aut(CUTP(G))| = 18432$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 5 7
2. vertex 2 adjacent to 6 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 6
5. vertex 5 adjacent to 1 7
6. vertex 6 adjacent to 2 3 4
7. vertex 7 adjacent to 1 2 3 5

- Singular graph with $|Aut(CUTP(G))| = 6144$ and $|ARes(G)| = 128$:

1. vertex 1 adjacent to 5 7
2. vertex 2 adjacent to 6 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 6
5. vertex 5 adjacent to 1
6. vertex 6 adjacent to 2 3 4 7
7. vertex 7 adjacent to 1 2 3 6

- Singular graph with $|Aut(CUTP(G))| = 9216$ and $|ARes(G)| = 256$:

  1. vertex 1 adjacent to 5 7
  2. vertex 2 adjacent to 6 7
  3. vertex 3 adjacent to 6
  4. vertex 4 adjacent to 6
  5. vertex 5 adjacent to 1 7
  6. vertex 6 adjacent to 2 3 4 7
  7. vertex 7 adjacent to 1 2 5 6

- Singular graph with $|Aut(CUTP(G))| = 110592$ and $|ARes(G)| = 768$:

  1. vertex 1 adjacent to 5 7
  2. vertex 2 adjacent to 6 7
  3. vertex 3 adjacent to 6 7
  4. vertex 4 adjacent to 6 7
  5. vertex 5 adjacent to 1 7
  6. vertex 6 adjacent to 2 3 4
  7. vertex 7 adjacent to 1 2 3 4 5

- Singular graph with $|Aut(CUTP(G))| = 36864$ and $|ARes(G)| = 384$:

  1. vertex 1 adjacent to 5 7
  2. vertex 2 adjacent to 6 7
  3. vertex 3 adjacent to 6 7
  4. vertex 4 adjacent to 6 7
  5. vertex 5 adjacent to 1
  6. vertex 6 adjacent to 2 3 4 7
  7. vertex 7 adjacent to 1 2 3 4 6

- Singular graph with $|Aut(CUTP(G))| = 6144$ and $|ARes(G)| = 256$:

  1. vertex 1 adjacent to 5 7
  2. vertex 2 adjacent to 6 7

3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 6
5. vertex 5 adjacent to 1 7
6. vertex 6 adjacent to 2 3 4 7
7. vertex 7 adjacent to 1 2 3 5 6

- Singular graph with $|Aut(CUTP(G))| = 110592$ and $|ARes(G)| = 768$:

1. vertex 1 adjacent to 5 7
2. vertex 2 adjacent to 6 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 6 7
5. vertex 5 adjacent to 1 7
6. vertex 6 adjacent to 2 3 4 7
7. vertex 7 adjacent to 1 2 3 4 5 6

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

1. vertex 1 adjacent to 5 6 7
2. vertex 2 adjacent to 6 7
3. vertex 3 adjacent to 7
4. vertex 4 adjacent to 7
5. vertex 5 adjacent to 1 6
6. vertex 6 adjacent to 1 2 5
7. vertex 7 adjacent to 1 2 3 4

- Singular graph with $|Aut(CUTP(G))| = 6144$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 5 6 7
2. vertex 2 adjacent to 6
3. vertex 3 adjacent to 7
4. vertex 4 adjacent to 7
5. vertex 5 adjacent to 1 6 7

6. vertex 6 adjacent to 1 2 5
7. vertex 7 adjacent to 1 3 4 5

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

1. vertex 1 adjacent to 5 6 7
2. vertex 2 adjacent to 6 7
3. vertex 3 adjacent to 7
4. vertex 4 adjacent to 7
5. vertex 5 adjacent to 1 6 7
6. vertex 6 adjacent to 1 2 5
7. vertex 7 adjacent to 1 2 3 4 5

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

1. vertex 1 adjacent to 5 6 7
2. vertex 2 adjacent to 6 7
3. vertex 3 adjacent to 7
4. vertex 4 adjacent to 7
5. vertex 5 adjacent to 1 6
6. vertex 6 adjacent to 1 2 5 7
7. vertex 7 adjacent to 1 2 3 4 6

- Singular graph with $|Aut(CUTP(G))| = 55296$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 5 6 7
2. vertex 2 adjacent to 6
3. vertex 3 adjacent to 7
4. vertex 4 adjacent to 7
5. vertex 5 adjacent to 1 6 7
6. vertex 6 adjacent to 1 2 5 7
7. vertex 7 adjacent to 1 3 4 5 6

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

1. vertex 1 adjacent to 5 6 7
2. vertex 2 adjacent to 6 7
3. vertex 3 adjacent to 7
4. vertex 4 adjacent to 7
5. vertex 5 adjacent to 1 6 7
6. vertex 6 adjacent to 1 2 5 7
7. vertex 7 adjacent to 1 2 3 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 589824$ and $|ARes(G)| = 768$:

1. vertex 1 adjacent to 5 6 7
2. vertex 2 adjacent to 6 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 6 7
5. vertex 5 adjacent to 1
6. vertex 6 adjacent to 1 2 3 4
7. vertex 7 adjacent to 1 2 3 4

- Singular graph with $|Aut(CUTP(G))| = 2048$ and $|ARes(G)| = 128$:

1. vertex 1 adjacent to 5 6 7
2. vertex 2 adjacent to 6 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 6
5. vertex 5 adjacent to 1 7
6. vertex 6 adjacent to 1 2 3 4
7. vertex 7 adjacent to 1 2 3 5

- Singular graph with $|Aut(CUTP(G))| = 110592$ and $|ARes(G)| = 768$:

1. vertex 1 adjacent to 5 6
2. vertex 2 adjacent to 6 7
3. vertex 3 adjacent to 6 7

4. vertex 4 adjacent to 6 7
5. vertex 5 adjacent to 1 7
6. vertex 6 adjacent to 1 2 3 4
7. vertex 7 adjacent to 2 3 4 5

- Singular graph with $|Aut(CUTP(G))| = 36864$ and $|ARes(G)| = 384$:

1. vertex 1 adjacent to 5 6 7
2. vertex 2 adjacent to 6 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 6 7
5. vertex 5 adjacent to 1 7
6. vertex 6 adjacent to 1 2 3 4
7. vertex 7 adjacent to 1 2 3 4 5

- Singular graph with $|Aut(CUTP(G))| = 589824$ and $|ARes(G)| = 768$:

1. vertex 1 adjacent to 5 6 7
2. vertex 2 adjacent to 6 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 6 7
5. vertex 5 adjacent to 1
6. vertex 6 adjacent to 1 2 3 4 7
7. vertex 7 adjacent to 1 2 3 4 6

- Singular graph with $|Aut(CUTP(G))| = 2048$ and $|ARes(G)| = 128$:

1. vertex 1 adjacent to 5 6 7
2. vertex 2 adjacent to 6 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 6
5. vertex 5 adjacent to 1 7
6. vertex 6 adjacent to 1 2 3 4 7

7. vertex 7 adjacent to 1 2 3 5 6

- Singular graph with $|Aut(CUTP(G))| = 110592$ and $|ARes(G)| = 768$:

1. vertex 1 adjacent to 5 6
2. vertex 2 adjacent to 6 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 6 7
5. vertex 5 adjacent to 1 7
6. vertex 6 adjacent to 1 2 3 4 7
7. vertex 7 adjacent to 2 3 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 36864$ and $|ARes(G)| = 384$:

1. vertex 1 adjacent to 5 6 7
2. vertex 2 adjacent to 6 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 6 7
5. vertex 5 adjacent to 1 7
6. vertex 6 adjacent to 1 2 3 4 7
7. vertex 7 adjacent to 1 2 3 4 5 6

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

1. vertex 1 adjacent to 5 6 7
2. vertex 2 adjacent to 6 7
3. vertex 3 adjacent to 6
4. vertex 4 adjacent to 7
5. vertex 5 adjacent to 1 6 7
6. vertex 6 adjacent to 1 2 3 5
7. vertex 7 adjacent to 1 2 4 5

- Singular graph with $|Aut(CUTP(G))| = 8192$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 5 6 7

2. vertex 2 adjacent to 6 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 7
5. vertex 5 adjacent to 1 6 7
6. vertex 6 adjacent to 1 2 3 5
7. vertex 7 adjacent to 1 2 3 4 5

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

1. vertex 1 adjacent to 5 6 7
2. vertex 2 adjacent to 6 7
3. vertex 3 adjacent to 6
4. vertex 4 adjacent to 7
5. vertex 5 adjacent to 1 6 7
6. vertex 6 adjacent to 1 2 3 5 7
7. vertex 7 adjacent to 1 2 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 8192$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 5 6 7
2. vertex 2 adjacent to 6 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 7
5. vertex 5 adjacent to 1 6 7
6. vertex 6 adjacent to 1 2 3 5 7
7. vertex 7 adjacent to 1 2 3 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 147456$ and $|ARes(G)| = 1536$:

1. vertex 1 adjacent to 5 6 7
2. vertex 2 adjacent to 6 7
3. vertex 3 adjacent to 6 7

4. vertex 4 adjacent to 6 7
5. vertex 5 adjacent to 1 6 7
6. vertex 6 adjacent to 1 2 3 4 5
7. vertex 7 adjacent to 1 2 3 4 5

- Singular graph with $|Aut(CUTP(G))| = 147456$ and $|ARes(G)| = 1536$:

1. vertex 1 adjacent to 5 6 7
2. vertex 2 adjacent to 6 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 6 7
5. vertex 5 adjacent to 1 6 7
6. vertex 6 adjacent to 1 2 3 4 5 7
7. vertex 7 adjacent to 1 2 3 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 36864$ and $|ARes(G)| = 512$:

1. vertex 1 adjacent to 5 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 7
4. vertex 4 adjacent to 7
5. vertex 5 adjacent to 1 2
6. vertex 6 adjacent to 1 2
7. vertex 7 adjacent to 1 2 3 4

- Singular graph with $|Aut(CUTP(G))| = 1536$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 5 6 7
2. vertex 2 adjacent to 5 6
3. vertex 3 adjacent to 7
4. vertex 4 adjacent to 7
5. vertex 5 adjacent to 1 2 7

6. vertex 6 adjacent to 1 2
7. vertex 7 adjacent to 1 3 4 5

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

1. vertex 1 adjacent to 5 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 7
4. vertex 4 adjacent to 7
5. vertex 5 adjacent to 1 2 7
6. vertex 6 adjacent to 1 2
7. vertex 7 adjacent to 1 2 3 4 5

- Singular graph with $|Aut(CUTP(G))| = 46080$ and $|ARes(G)| = 128$:

1. vertex 1 adjacent to 5 6
2. vertex 2 adjacent to 5 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 7
5. vertex 5 adjacent to 1 2
6. vertex 6 adjacent to 1 3
7. vertex 7 adjacent to 2 3 4

- Singular graph with $|Aut(CUTP(G))| = 15360$ and $|ARes(G)| = 128$:

1. vertex 1 adjacent to 5 6
2. vertex 2 adjacent to 5
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 7
5. vertex 5 adjacent to 1 2 7
6. vertex 6 adjacent to 1 3
7. vertex 7 adjacent to 3 4 5

- Singular graph with $|Aut(CUTP(G))| = 18432$ and $|ARes(G)| = 128$:

1. vertex 1 adjacent to 5 6
2. vertex 2 adjacent to 5
3. vertex 3 adjacent to 6
4. vertex 4 adjacent to 7
5. vertex 5 adjacent to 1 2 7
6. vertex 6 adjacent to 1 3 7
7. vertex 7 adjacent to 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 4608$ and $|ARes(G)| = 128$:

1. vertex 1 adjacent to 5 6 7
2. vertex 2 adjacent to 5 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 7
5. vertex 5 adjacent to 1 2
6. vertex 6 adjacent to 1 3
7. vertex 7 adjacent to 1 2 3 4

- Singular graph with $|Aut(CUTP(G))| = 6144$ and $|ARes(G)| = 64$:

1. vertex 1 adjacent to 5 6 7
2. vertex 2 adjacent to 5 7
3. vertex 3 adjacent to 6
4. vertex 4 adjacent to 7
5. vertex 5 adjacent to 1 2 7
6. vertex 6 adjacent to 1 3
7. vertex 7 adjacent to 1 2 4 5

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

1. vertex 1 adjacent to 5 6 7
2. vertex 2 adjacent to 5
3. vertex 3 adjacent to 6 7

4. vertex 4 adjacent to 7
5. vertex 5 adjacent to 1 2 7
6. vertex 6 adjacent to 1 3
7. vertex 7 adjacent to 1 3 4 5

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

1. vertex 1 adjacent to 5 6
2. vertex 2 adjacent to 5 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 7
5. vertex 5 adjacent to 1 2 7
6. vertex 6 adjacent to 1 3
7. vertex 7 adjacent to 2 3 4 5

- Singular graph with $|Aut(CUTP(G))| = 6144$ and $|ARes(G)| = 128$:

1. vertex 1 adjacent to 5 6 7
2. vertex 2 adjacent to 5
3. vertex 3 adjacent to 6
4. vertex 4 adjacent to 7
5. vertex 5 adjacent to 1 2 7
6. vertex 6 adjacent to 1 3 7
7. vertex 7 adjacent to 1 4 5 6

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

1. vertex 1 adjacent to 5 6
2. vertex 2 adjacent to 5 7
3. vertex 3 adjacent to 6
4. vertex 4 adjacent to 7
5. vertex 5 adjacent to 1 2 7
6. vertex 6 adjacent to 1 3 7

7. vertex 7 adjacent to 2 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 768$ and $|ARes(G)| = 64$:
  1. vertex 1 adjacent to 5 6 7
  2. vertex 2 adjacent to 5 7
  3. vertex 3 adjacent to 6 7
  4. vertex 4 adjacent to 7
  5. vertex 5 adjacent to 1 2 7
  6. vertex 6 adjacent to 1 3
  7. vertex 7 adjacent to 1 2 3 4 5
- Singular graph with $|Aut(CUTP(G))| = 1024$ and $|ARes(G)| = 64$:
  1. vertex 1 adjacent to 5 6 7
  2. vertex 2 adjacent to 5 7
  3. vertex 3 adjacent to 6
  4. vertex 4 adjacent to 7
  5. vertex 5 adjacent to 1 2 7
  6. vertex 6 adjacent to 1 3 7
  7. vertex 7 adjacent to 1 2 4 5 6
- Singular graph with $|Aut(CUTP(G))| = 1024$ and $|ARes(G)| = 128$:
  1. vertex 1 adjacent to 5 6
  2. vertex 2 adjacent to 5 7
  3. vertex 3 adjacent to 6 7
  4. vertex 4 adjacent to 7
  5. vertex 5 adjacent to 1 2 7
  6. vertex 6 adjacent to 1 3 7
  7. vertex 7 adjacent to 2 3 4 5 6
- Singular graph with $|Aut(CUTP(G))| = 512$ and $|ARes(G)| = 128$:
  1. vertex 1 adjacent to 5 6 7

2. vertex 2 adjacent to 5 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 7
5. vertex 5 adjacent to 1 2 7
6. vertex 6 adjacent to 1 3 7
7. vertex 7 adjacent to 1 2 3 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 18432$ and $|ARes(G)| = 128$:

1. vertex 1 adjacent to 5 7
2. vertex 2 adjacent to 5 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 6
5. vertex 5 adjacent to 1 2
6. vertex 6 adjacent to 3 4
7. vertex 7 adjacent to 1 2 3

- Singular graph with $|Aut(CUTP(G))| = 9216$ and $|ARes(G)| = 64$:

1. vertex 1 adjacent to 5 7
2. vertex 2 adjacent to 5
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 6
5. vertex 5 adjacent to 1 2 7
6. vertex 6 adjacent to 3 4
7. vertex 7 adjacent to 1 3 5

- Singular graph with $|Aut(CUTP(G))| = 18432$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 5
2. vertex 2 adjacent to 5
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 6 7

5. vertex 5 adjacent to 1 2 7
6. vertex 6 adjacent to 3 4
7. vertex 7 adjacent to 3 4 5

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

1. vertex 1 adjacent to 5 7
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 7
6. vertex 6 adjacent to 3 4 7
7. vertex 7 adjacent to 1 5 6

- Singular graph with $|Aut(CUTP(G))| = 294912$ and $|ARes(G)| = 512$:

1. vertex 1 adjacent to 5 7
2. vertex 2 adjacent to 5 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 6 7
5. vertex 5 adjacent to 1 2
6. vertex 6 adjacent to 3 4
7. vertex 7 adjacent to 1 2 3 4

- Singular graph with $|Aut(CUTP(G))| = 6144$ and $|ARes(G)| = 128$:

1. vertex 1 adjacent to 5 7
2. vertex 2 adjacent to 5 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 6
5. vertex 5 adjacent to 1 2 7
6. vertex 6 adjacent to 3 4
7. vertex 7 adjacent to 1 2 3 5

- Singular graph with $|Aut(CUTP(G))| = 18432$ and $|ARes(G)| = 128$:
  1. vertex 1 adjacent to 5 7
  2. vertex 2 adjacent to 5
  3. vertex 3 adjacent to 6 7
  4. vertex 4 adjacent to 6 7
  5. vertex 5 adjacent to 1 2 7
  6. vertex 6 adjacent to 3 4
  7. vertex 7 adjacent to 1 3 4 5
- Singular graph with $|Aut(CUTP(G))| = 6144$ and $|ARes(G)| = 256$:
  1. vertex 1 adjacent to 5 7
  2. vertex 2 adjacent to 5 7
  3. vertex 3 adjacent to 6
  4. vertex 4 adjacent to 6
  5. vertex 5 adjacent to 1 2 7
  6. vertex 6 adjacent to 3 4 7
  7. vertex 7 adjacent to 1 2 5 6
- Singular graph with $|Aut(CUTP(G))| = 9216$ and $|ARes(G)| = 128$:
  1. vertex 1 adjacent to 5 7
  2. vertex 2 adjacent to 5
  3. vertex 3 adjacent to 6 7
  4. vertex 4 adjacent to 6
  5. vertex 5 adjacent to 1 2 7
  6. vertex 6 adjacent to 3 4 7
  7. vertex 7 adjacent to 1 3 5 6
- Singular graph with $|Aut(CUTP(G))| = 49152$ and $|ARes(G)| = 256$:
  1. vertex 1 adjacent to 5 7
  2. vertex 2 adjacent to 5 7

3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 6 7
5. vertex 5 adjacent to 1 2 7
6. vertex 6 adjacent to 3 4
7. vertex 7 adjacent to 1 2 3 4 5

- Singular graph with $|Aut(CUTP(G))| = 6144$ and $|ARes(G)| = 128$:

1. vertex 1 adjacent to 5 7
2. vertex 2 adjacent to 5 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 6
5. vertex 5 adjacent to 1 2 7
6. vertex 6 adjacent to 3 4 7
7. vertex 7 adjacent to 1 2 3 5 6

- Singular graph with $|Aut(CUTP(G))| = 32768$ and $|ARes(G)| = 512$:

1. vertex 1 adjacent to 5 7
2. vertex 2 adjacent to 5 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 6 7
5. vertex 5 adjacent to 1 2 7
6. vertex 6 adjacent to 3 4 7
7. vertex 7 adjacent to 1 2 3 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 36864$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 5 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 6
4. vertex 4 adjacent to 7
5. vertex 5 adjacent to 1 2

6. vertex 6 adjacent to 1 2 3
7. vertex 7 adjacent to 1 2 4

- Singular graph with $|Aut(CUTP(G))| = 4096$ and $|ARes(G)| = 128$:

1. vertex 1 adjacent to 5 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 7
5. vertex 5 adjacent to 1 2
6. vertex 6 adjacent to 1 2 3
7. vertex 7 adjacent to 1 2 3 4

- Singular graph with $|Aut(CUTP(G))| = 2048$ and $|ARes(G)| = 128$:

1. vertex 1 adjacent to 5 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 6
4. vertex 4 adjacent to 7
5. vertex 5 adjacent to 1 2 7
6. vertex 6 adjacent to 1 2 3
7. vertex 7 adjacent to 1 2 4 5

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

1. vertex 1 adjacent to 5 6 7
2. vertex 2 adjacent to 5 6
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 7
5. vertex 5 adjacent to 1 2 7
6. vertex 6 adjacent to 1 2 3
7. vertex 7 adjacent to 1 3 4 5

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

1. vertex 1 adjacent to 5 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 6
4. vertex 4 adjacent to 7
5. vertex 5 adjacent to 1 2
6. vertex 6 adjacent to 1 2 3 7
7. vertex 7 adjacent to 1 2 4 6

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

1. vertex 1 adjacent to 5 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 7
5. vertex 5 adjacent to 1 2 7
6. vertex 6 adjacent to 1 2 3
7. vertex 7 adjacent to 1 2 3 4 5

- Singular graph with $|Aut(CUTP(G))| = 2048$ and $|ARes(G)| = 128$:

1. vertex 1 adjacent to 5 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 7
5. vertex 5 adjacent to 1 2
6. vertex 6 adjacent to 1 2 3 7
7. vertex 7 adjacent to 1 2 3 4 6

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

1. vertex 1 adjacent to 5 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 6

4. vertex 4 adjacent to 7
5. vertex 5 adjacent to 1 2 7
6. vertex 6 adjacent to 1 2 3 7
7. vertex 7 adjacent to 1 2 4 5 6

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

1. vertex 1 adjacent to 5 6 7
2. vertex 2 adjacent to 5 6
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 7
5. vertex 5 adjacent to 1 2 7
6. vertex 6 adjacent to 1 2 3 7
7. vertex 7 adjacent to 1 3 4 5 6

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

1. vertex 1 adjacent to 5 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 7
5. vertex 5 adjacent to 1 2 7
6. vertex 6 adjacent to 1 2 3 7
7. vertex 7 adjacent to 1 2 3 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 24576$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 5 6
2. vertex 2 adjacent to 5 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 6 7
5. vertex 5 adjacent to 1 2
6. vertex 6 adjacent to 1 3 4

7. vertex 7 adjacent to 2 3 4

- Singular graph with $|Aut(CUTP(G))| = 3072$ and $|ARes(G)| = 128$:
  1. vertex 1 adjacent to 5 6
  2. vertex 2 adjacent to 5 7
  3. vertex 3 adjacent to 6 7
  4. vertex 4 adjacent to 6
  5. vertex 5 adjacent to 1 2 7
  6. vertex 6 adjacent to 1 3 4
  7. vertex 7 adjacent to 2 3 5
- Singular graph with $|Aut(CUTP(G))| = 6144$ and $|ARes(G)| = 128$:
  1. vertex 1 adjacent to 5 6
  2. vertex 2 adjacent to 5
  3. vertex 3 adjacent to 6 7
  4. vertex 4 adjacent to 6 7
  5. vertex 5 adjacent to 1 2 7
  6. vertex 6 adjacent to 1 3 4
  7. vertex 7 adjacent to 3 4 5
- Singular graph with $|Aut(CUTP(G))| = 6144$ and $|ARes(G)| = 128$:
  1. vertex 1 adjacent to 5 6 7
  2. vertex 2 adjacent to 5 7
  3. vertex 3 adjacent to 6 7
  4. vertex 4 adjacent to 6 7
  5. vertex 5 adjacent to 1 2
  6. vertex 6 adjacent to 1 3 4
  7. vertex 7 adjacent to 1 2 3 4
- Singular graph with $|Aut(CUTP(G))| = 768$ and $|ARes(G)| = 64$:
  1. vertex 1 adjacent to 5 6 7

2. vertex 2 adjacent to 5 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 6
5. vertex 5 adjacent to 1 2 7
6. vertex 6 adjacent to 1 3 4
7. vertex 7 adjacent to 1 2 3 5

- Singular graph with $|Aut(CUTP(G))| = 2048$ and $|ARes(G)| = 128$:

1. vertex 1 adjacent to 5 6 7
2. vertex 2 adjacent to 5
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 6 7
5. vertex 5 adjacent to 1 2 7
6. vertex 6 adjacent to 1 3 4
7. vertex 7 adjacent to 1 3 4 5

- Singular graph with $|Aut(CUTP(G))| = 4096$ and $|ARes(G)| = 128$:

1. vertex 1 adjacent to 5 6
2. vertex 2 adjacent to 5 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 6 7
5. vertex 5 adjacent to 1 2 7
6. vertex 6 adjacent to 1 3 4
7. vertex 7 adjacent to 2 3 4 5

- Singular graph with $|Aut(CUTP(G))| = 768$ and $|ARes(G)| = 64$:

1. vertex 1 adjacent to 5 6 7
2. vertex 2 adjacent to 5 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 6

5. vertex 5 adjacent to 1 2
6. vertex 6 adjacent to 1 3 4 7
7. vertex 7 adjacent to 1 2 3 6

- Singular graph with $|Aut(CUTP(G))| = 36864$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 5 6 7
2. vertex 2 adjacent to 5
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 6 7
5. vertex 5 adjacent to 1 2
6. vertex 6 adjacent to 1 3 4 7
7. vertex 7 adjacent to 1 3 4 6

- Singular graph with $|Aut(CUTP(G))| = 24576$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 5 6
2. vertex 2 adjacent to 5 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 6 7
5. vertex 5 adjacent to 1 2
6. vertex 6 adjacent to 1 3 4 7
7. vertex 7 adjacent to 2 3 4 6

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

1. vertex 1 adjacent to 5 6 7
2. vertex 2 adjacent to 5 7
3. vertex 3 adjacent to 6
4. vertex 4 adjacent to 6
5. vertex 5 adjacent to 1 2 7
6. vertex 6 adjacent to 1 3 4 7
7. vertex 7 adjacent to 1 2 5 6

- Singular graph with $|Aut(CUTP(G))| = 2048$ and $|ARes(G)| = 128$:
  1. vertex 1 adjacent to 5 6 7
  2. vertex 2 adjacent to 5 7
  3. vertex 3 adjacent to 6 7
  4. vertex 4 adjacent to 6 7
  5. vertex 5 adjacent to 1 2 7
  6. vertex 6 adjacent to 1 3 4
  7. vertex 7 adjacent to 1 2 3 4 5
- Singular graph with $|Aut(CUTP(G))| = 6144$ and $|ARes(G)| = 128$:
  1. vertex 1 adjacent to 5 6 7
  2. vertex 2 adjacent to 5 7
  3. vertex 3 adjacent to 6 7
  4. vertex 4 adjacent to 6 7
  5. vertex 5 adjacent to 1 2
  6. vertex 6 adjacent to 1 3 4 7
  7. vertex 7 adjacent to 1 2 3 4 6
- Singular graph with $|Aut(CUTP(G))| = 512$ and $|ARes(G)| = 64$:
  1. vertex 1 adjacent to 5 6 7
  2. vertex 2 adjacent to 5 7
  3. vertex 3 adjacent to 6 7
  4. vertex 4 adjacent to 6
  5. vertex 5 adjacent to 1 2 7
  6. vertex 6 adjacent to 1 3 4 7
  7. vertex 7 adjacent to 1 2 3 5 6
- Singular graph with $|Aut(CUTP(G))| = 2048$ and $|ARes(G)| = 128$:
  1. vertex 1 adjacent to 5 6 7
  2. vertex 2 adjacent to 5

3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 6 7
5. vertex 5 adjacent to 1 2 7
6. vertex 6 adjacent to 1 3 4 7
7. vertex 7 adjacent to 1 3 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 4096$ and $|ARes(G)| = 128$:

1. vertex 1 adjacent to 5 6
2. vertex 2 adjacent to 5 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 6 7
5. vertex 5 adjacent to 1 2 7
6. vertex 6 adjacent to 1 3 4 7
7. vertex 7 adjacent to 2 3 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 2048$ and $|ARes(G)| = 128$:

1. vertex 1 adjacent to 5 6 7
2. vertex 2 adjacent to 5 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 6 7
5. vertex 5 adjacent to 1 2 7
6. vertex 6 adjacent to 1 3 4 7
7. vertex 7 adjacent to 1 2 3 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 2048$ and $|ARes(G)| = 512$:

1. vertex 1 adjacent to 5 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 7
4. vertex 4 adjacent to 7
5. vertex 5 adjacent to 1 2 6

6. vertex 6 adjacent to 1 2 5
7. vertex 7 adjacent to 1 2 3 4

- Singular graph with $|Aut(CUTP(G))| = 1024$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 5 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 7
4. vertex 4 adjacent to 7
5. vertex 5 adjacent to 1 2 6 7
6. vertex 6 adjacent to 1 2 5
7. vertex 7 adjacent to 1 2 3 4 5

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

1. vertex 1 adjacent to 5 6 7
2. vertex 2 adjacent to 5 6
3. vertex 3 adjacent to 7
4. vertex 4 adjacent to 7
5. vertex 5 adjacent to 1 2 6 7
6. vertex 6 adjacent to 1 2 5 7
7. vertex 7 adjacent to 1 3 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 1536$ and $|ARes(G)| = 512$:

1. vertex 1 adjacent to 5 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 7
4. vertex 4 adjacent to 7
5. vertex 5 adjacent to 1 2 6 7
6. vertex 6 adjacent to 1 2 5 7
7. vertex 7 adjacent to 1 2 3 4 5 6

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

1. vertex 1 adjacent to 5 6 7
2. vertex 2 adjacent to 5 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 7
5. vertex 5 adjacent to 1 2 6
6. vertex 6 adjacent to 1 3 5
7. vertex 7 adjacent to 1 2 3 4

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

1. vertex 1 adjacent to 5 6 7
2. vertex 2 adjacent to 5 7
3. vertex 3 adjacent to 6
4. vertex 4 adjacent to 7
5. vertex 5 adjacent to 1 2 6 7
6. vertex 6 adjacent to 1 3 5
7. vertex 7 adjacent to 1 2 4 5

- Singular graph with $|Aut(CUTP(G))| = 2048$ and $|ARes(G)| = 64$:

1. vertex 1 adjacent to 5 6 7
2. vertex 2 adjacent to 5
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 7
5. vertex 5 adjacent to 1 2 6 7
6. vertex 6 adjacent to 1 3 5
7. vertex 7 adjacent to 1 3 4 5

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

1. vertex 1 adjacent to 5 6
2. vertex 2 adjacent to 5 7
3. vertex 3 adjacent to 6 7

4. vertex 4 adjacent to 7
5. vertex 5 adjacent to 1 2 6 7
6. vertex 6 adjacent to 1 3 5
7. vertex 7 adjacent to 2 3 4 5

- Singular graph with $|Aut(CUTP(G))| = 55296$ and $|ARes(G)| = 384$:

1. vertex 1 adjacent to 5 6 7
2. vertex 2 adjacent to 5
3. vertex 3 adjacent to 6
4. vertex 4 adjacent to 7
5. vertex 5 adjacent to 1 2 6 7
6. vertex 6 adjacent to 1 3 5 7
7. vertex 7 adjacent to 1 4 5 6

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

1. vertex 1 adjacent to 5 6 7
2. vertex 2 adjacent to 5 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 7
5. vertex 5 adjacent to 1 2 6 7
6. vertex 6 adjacent to 1 3 5
7. vertex 7 adjacent to 1 2 3 4 5

- Singular graph with $|Aut(CUTP(G))| = 2048$ and $|ARes(G)| = 64$:

1. vertex 1 adjacent to 5 6 7
2. vertex 2 adjacent to 5 7
3. vertex 3 adjacent to 6
4. vertex 4 adjacent to 7
5. vertex 5 adjacent to 1 2 6 7
6. vertex 6 adjacent to 1 3 5 7

7. vertex 7 adjacent to 1 2 4 5 6

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

  1. vertex 1 adjacent to 5 6
  2. vertex 2 adjacent to 5 7
  3. vertex 3 adjacent to 6 7
  4. vertex 4 adjacent to 7
  5. vertex 5 adjacent to 1 2 6 7
  6. vertex 6 adjacent to 1 3 5 7
  7. vertex 7 adjacent to 2 3 4 5 6

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

  1. vertex 1 adjacent to 5 6 7
  2. vertex 2 adjacent to 5 7
  3. vertex 3 adjacent to 6 7
  4. vertex 4 adjacent to 7
  5. vertex 5 adjacent to 1 2 6 7
  6. vertex 6 adjacent to 1 3 5 7
  7. vertex 7 adjacent to 1 2 3 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 32768$ and $|ARes(G)| = 512$:

  1. vertex 1 adjacent to 5 7
  2. vertex 2 adjacent to 5 7
  3. vertex 3 adjacent to 6 7
  4. vertex 4 adjacent to 6 7
  5. vertex 5 adjacent to 1 2 6
  6. vertex 6 adjacent to 3 4 5
  7. vertex 7 adjacent to 1 2 3 4

- Singular graph with $|Aut(CUTP(G))| = 6144$ and $|ARes(G)| = 128$:

  1. vertex 1 adjacent to 5 7

2. vertex 2 adjacent to 5 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 6
5. vertex 5 adjacent to 1 2 6 7
6. vertex 6 adjacent to 3 4 5
7. vertex 7 adjacent to 1 2 3 5

- Singular graph with $|Aut(CUTP(G))| = 2048$ and $|ARes(G)| = 128$:

1. vertex 1 adjacent to 5 7
2. vertex 2 adjacent to 5
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 6 7
5. vertex 5 adjacent to 1 2 6 7
6. vertex 6 adjacent to 3 4 5
7. vertex 7 adjacent to 1 3 4 5

- Singular graph with $|Aut(CUTP(G))| = 36864$ and $|ARes(G)| = 512$:

1. vertex 1 adjacent to 5 7
2. vertex 2 adjacent to 5 7
3. vertex 3 adjacent to 6
4. vertex 4 adjacent to 6
5. vertex 5 adjacent to 1 2 6 7
6. vertex 6 adjacent to 3 4 5 7
7. vertex 7 adjacent to 1 2 5 6

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

1. vertex 1 adjacent to 5 7
2. vertex 2 adjacent to 5
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 6

5. vertex 5 adjacent to 1 2 6 7
6. vertex 6 adjacent to 3 4 5 7
7. vertex 7 adjacent to 1 3 5 6

- Singular graph with $|Aut(CUTP(G))| = 16384$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 5 7
2. vertex 2 adjacent to 5 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 6 7
5. vertex 5 adjacent to 1 2 6 7
6. vertex 6 adjacent to 3 4 5
7. vertex 7 adjacent to 1 2 3 4 5

- Singular graph with $|Aut(CUTP(G))| = 2048$ and $|ARes(G)| = 128$:

1. vertex 1 adjacent to 5 7
2. vertex 2 adjacent to 5 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 6
5. vertex 5 adjacent to 1 2 6 7
6. vertex 6 adjacent to 3 4 5 7
7. vertex 7 adjacent to 1 2 3 5 6

- Singular graph with $|Aut(CUTP(G))| = 32768$ and $|ARes(G)| = 512$:

1. vertex 1 adjacent to 5 7
2. vertex 2 adjacent to 5 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 6 7
5. vertex 5 adjacent to 1 2 6 7
6. vertex 6 adjacent to 3 4 5 7
7. vertex 7 adjacent to 1 2 3 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 16384$ and $|ARes(G)| = 512$:
  1. vertex 1 adjacent to 5 6 7
  2. vertex 2 adjacent to 5 6 7
  3. vertex 3 adjacent to 6 7
  4. vertex 4 adjacent to 6 7
  5. vertex 5 adjacent to 1 2
  6. vertex 6 adjacent to 1 2 3 4
  7. vertex 7 adjacent to 1 2 3 4
- Singular graph with $|Aut(CUTP(G))| = 2048$ and $|ARes(G)| = 256$:
  1. vertex 1 adjacent to 5 6 7
  2. vertex 2 adjacent to 5 6 7
  3. vertex 3 adjacent to 6 7
  4. vertex 4 adjacent to 6 7
  5. vertex 5 adjacent to 1 2 7
  6. vertex 6 adjacent to 1 2 3 4
  7. vertex 7 adjacent to 1 2 3 4 5
- Singular graph with $|Aut(CUTP(G))| = 16384$ and $|ARes(G)| = 512$:
  1. vertex 1 adjacent to 5 6 7
  2. vertex 2 adjacent to 5 6 7
  3. vertex 3 adjacent to 6 7
  4. vertex 4 adjacent to 6 7
  5. vertex 5 adjacent to 1 2
  6. vertex 6 adjacent to 1 2 3 4 7
  7. vertex 7 adjacent to 1 2 3 4 6
- Singular graph with $|Aut(CUTP(G))| = 2048$ and $|ARes(G)| = 256$:
  1. vertex 1 adjacent to 5 6 7
  2. vertex 2 adjacent to 5 6 7

3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 6 7
5. vertex 5 adjacent to 1 2 7
6. vertex 6 adjacent to 1 2 3 4 7
7. vertex 7 adjacent to 1 2 3 4 5 6

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

1. vertex 1 adjacent to 5 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 7
5. vertex 5 adjacent to 1 2 6
6. vertex 6 adjacent to 1 2 3 5
7. vertex 7 adjacent to 1 2 3 4

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

1. vertex 1 adjacent to 5 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 7
5. vertex 5 adjacent to 1 2 6 7
6. vertex 6 adjacent to 1 2 3 5
7. vertex 7 adjacent to 1 2 3 4 5

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

1. vertex 1 adjacent to 5 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 7
5. vertex 5 adjacent to 1 2 6

6. vertex 6 adjacent to 1 2 3 5 7
7. vertex 7 adjacent to 1 2 3 4 6

- Singular graph with $|Aut(CUTP(G))| = 1536$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 5 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 6
4. vertex 4 adjacent to 7
5. vertex 5 adjacent to 1 2 6 7
6. vertex 6 adjacent to 1 2 3 5 7
7. vertex 7 adjacent to 1 2 4 5 6

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

1. vertex 1 adjacent to 5 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 7
5. vertex 5 adjacent to 1 2 6 7
6. vertex 6 adjacent to 1 2 3 5 7
7. vertex 7 adjacent to 1 2 3 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 2048$ and $|ARes(G)| = 128$:

1. vertex 1 adjacent to 5 6 7
2. vertex 2 adjacent to 5 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 6 7
5. vertex 5 adjacent to 1 2 6
6. vertex 6 adjacent to 1 3 4 5
7. vertex 7 adjacent to 1 2 3 4

- Singular graph with $|Aut(CUTP(G))| = 2048$ and $|ARes(G)| = 128$:

1. vertex 1 adjacent to 5 6 7
2. vertex 2 adjacent to 5 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 6 7
5. vertex 5 adjacent to 1 2 6 7
6. vertex 6 adjacent to 1 3 4 5
7. vertex 7 adjacent to 1 2 3 4 5

- Singular graph with $|Aut(CUTP(G))| = 2048$ and $|ARes(G)| = 128$:

1. vertex 1 adjacent to 5 6 7
2. vertex 2 adjacent to 5 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 6 7
5. vertex 5 adjacent to 1 2 6
6. vertex 6 adjacent to 1 3 4 5 7
7. vertex 7 adjacent to 1 2 3 4 6

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

1. vertex 1 adjacent to 5 6 7
2. vertex 2 adjacent to 5 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 6
5. vertex 5 adjacent to 1 2 6 7
6. vertex 6 adjacent to 1 3 4 5 7
7. vertex 7 adjacent to 1 2 3 5 6

- Singular graph with $|Aut(CUTP(G))| = 8192$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 5 6 7
2. vertex 2 adjacent to 5
3. vertex 3 adjacent to 6 7

4. vertex 4 adjacent to 6 7
5. vertex 5 adjacent to 1 2 6 7
6. vertex 6 adjacent to 1 3 4 5 7
7. vertex 7 adjacent to 1 3 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 8192$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 5 6
2. vertex 2 adjacent to 5 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 6 7
5. vertex 5 adjacent to 1 2 6 7
6. vertex 6 adjacent to 1 3 4 5 7
7. vertex 7 adjacent to 2 3 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 2048$ and $|ARes(G)| = 128$:

1. vertex 1 adjacent to 5 6 7
2. vertex 2 adjacent to 5 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 6 7
5. vertex 5 adjacent to 1 2 6 7
6. vertex 6 adjacent to 1 3 4 5 7
7. vertex 7 adjacent to 1 2 3 4 5 6

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

1. vertex 1 adjacent to 5 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 6 7
5. vertex 5 adjacent to 1 2 6 7
6. vertex 6 adjacent to 1 2 3 4 5

7. vertex 7 adjacent to 1 2 3 4 5

- Singular graph with $|Aut(CUTP(G))| = 4096$ and $|ARes(G)| = 512$:
  1. vertex 1 adjacent to 5 6 7
  2. vertex 2 adjacent to 5 6 7
  3. vertex 3 adjacent to 6 7
  4. vertex 4 adjacent to 6 7
  5. vertex 5 adjacent to 1 2 6 7
  6. vertex 6 adjacent to 1 2 3 4 5 7
  7. vertex 7 adjacent to 1 2 3 4 5 6
- Singular graph with $|Aut(CUTP(G))| = 4608$ and $|ARes(G)| = 768$:
  1. vertex 1 adjacent to 5 6 7
  2. vertex 2 adjacent to 5 6 7
  3. vertex 3 adjacent to 5 6 7
  4. vertex 4 adjacent to 7
  5. vertex 5 adjacent to 1 2 3
  6. vertex 6 adjacent to 1 2 3
  7. vertex 7 adjacent to 1 2 3 4
- Singular graph with $|Aut(CUTP(G))| = 8192$ and $|ARes(G)| = 256$:
  1. vertex 1 adjacent to 5 6 7
  2. vertex 2 adjacent to 5 6
  3. vertex 3 adjacent to 5 6
  4. vertex 4 adjacent to 7
  5. vertex 5 adjacent to 1 2 3 7
  6. vertex 6 adjacent to 1 2 3 7
  7. vertex 7 adjacent to 1 4 5 6
- Singular graph with $|Aut(CUTP(G))| = 768$ and $|ARes(G)| = 384$:
  1. vertex 1 adjacent to 5 6 7

2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 5 6 7
4. vertex 4 adjacent to 7
5. vertex 5 adjacent to 1 2 3 7
6. vertex 6 adjacent to 1 2 3
7. vertex 7 adjacent to 1 2 3 4 5

- Singular graph with $|Aut(CUTP(G))| = 512$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 5 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 5 6
4. vertex 4 adjacent to 7
5. vertex 5 adjacent to 1 2 3 7
6. vertex 6 adjacent to 1 2 3 7
7. vertex 7 adjacent to 1 2 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 1024$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 5 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 5 7
4. vertex 4 adjacent to 6 7
5. vertex 5 adjacent to 1 2 3
6. vertex 6 adjacent to 1 2 4
7. vertex 7 adjacent to 1 2 3 4

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

1. vertex 1 adjacent to 5 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 5 7
4. vertex 4 adjacent to 6

5. vertex 5 adjacent to 1 2 3 7
6. vertex 6 adjacent to 1 2 4
7. vertex 7 adjacent to 1 2 3 5

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

1. vertex 1 adjacent to 5 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 5
4. vertex 4 adjacent to 6 7
5. vertex 5 adjacent to 1 2 3 7
6. vertex 6 adjacent to 1 2 4
7. vertex 7 adjacent to 1 2 4 5

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

1. vertex 1 adjacent to 5 6 7
2. vertex 2 adjacent to 5 6
3. vertex 3 adjacent to 5 7
4. vertex 4 adjacent to 6 7
5. vertex 5 adjacent to 1 2 3 7
6. vertex 6 adjacent to 1 2 4
7. vertex 7 adjacent to 1 3 4 5

- Singular graph with $|Aut(CUTP(G))| = 1024$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 5 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 5
4. vertex 4 adjacent to 6
5. vertex 5 adjacent to 1 2 3 7
6. vertex 6 adjacent to 1 2 4 7
7. vertex 7 adjacent to 1 2 5 6

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

  1. vertex 1 adjacent to 5 6 7
  2. vertex 2 adjacent to 5 6
  3. vertex 3 adjacent to 5 7
  4. vertex 4 adjacent to 6
  5. vertex 5 adjacent to 1 2 3 7
  6. vertex 6 adjacent to 1 2 4 7
  7. vertex 7 adjacent to 1 3 5 6

- Singular graph with $|Aut(CUTP(G))| = 8192$ and $|ARes(G)| = 256$:

  1. vertex 1 adjacent to 5 6
  2. vertex 2 adjacent to 5 6
  3. vertex 3 adjacent to 5 7
  4. vertex 4 adjacent to 6 7
  5. vertex 5 adjacent to 1 2 3 7
  6. vertex 6 adjacent to 1 2 4 7
  7. vertex 7 adjacent to 3 4 5 6

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

  1. vertex 1 adjacent to 5 6 7
  2. vertex 2 adjacent to 5 6 7
  3. vertex 3 adjacent to 5 7
  4. vertex 4 adjacent to 6 7
  5. vertex 5 adjacent to 1 2 3 7
  6. vertex 6 adjacent to 1 2 4
  7. vertex 7 adjacent to 1 2 3 4 5

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

  1. vertex 1 adjacent to 5 6 7
  2. vertex 2 adjacent to 5 6 7

3. vertex 3 adjacent to 5 7
4. vertex 4 adjacent to 6
5. vertex 5 adjacent to 1 2 3 7
6. vertex 6 adjacent to 1 2 4 7
7. vertex 7 adjacent to 1 2 3 5 6

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

1. vertex 1 adjacent to 5 6 7
2. vertex 2 adjacent to 5 6
3. vertex 3 adjacent to 5 7
4. vertex 4 adjacent to 6 7
5. vertex 5 adjacent to 1 2 3 7
6. vertex 6 adjacent to 1 2 4 7
7. vertex 7 adjacent to 1 3 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 1024$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 5 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 5 7
4. vertex 4 adjacent to 6 7
5. vertex 5 adjacent to 1 2 3 7
6. vertex 6 adjacent to 1 2 4 7
7. vertex 7 adjacent to 1 2 3 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 1536$ and $|ARes(G)| = 768$:

1. vertex 1 adjacent to 5 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 5 6 7
4. vertex 4 adjacent to 6 7
5. vertex 5 adjacent to 1 2 3

6. vertex 6 adjacent to 1 2 3 4
7. vertex 7 adjacent to 1 2 3 4

- Singular graph with $|Aut(CUTP(G))| = 1024$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 5 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 5 6
4. vertex 4 adjacent to 6 7
5. vertex 5 adjacent to 1 2 3 7
6. vertex 6 adjacent to 1 2 3 4
7. vertex 7 adjacent to 1 2 4 5

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

1. vertex 1 adjacent to 5 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 5 6 7
4. vertex 4 adjacent to 6 7
5. vertex 5 adjacent to 1 2 3 7
6. vertex 6 adjacent to 1 2 3 4
7. vertex 7 adjacent to 1 2 3 4 5

- Singular graph with $|Aut(CUTP(G))| = 1536$ and $|ARes(G)| = 768$:

1. vertex 1 adjacent to 5 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 5 6 7
4. vertex 4 adjacent to 6 7
5. vertex 5 adjacent to 1 2 3
6. vertex 6 adjacent to 1 2 3 4 7
7. vertex 7 adjacent to 1 2 3 4 6

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

1. vertex 1 adjacent to 5 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 5 6 7
4. vertex 4 adjacent to 6 7
5. vertex 5 adjacent to 1 2 3 7
6. vertex 6 adjacent to 1 2 3 4 7
7. vertex 7 adjacent to 1 2 3 4 5 6

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

1. vertex 1 adjacent to 5 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 5 6 7
4. vertex 4 adjacent to 7
5. vertex 5 adjacent to 1 2 3 6 7
6. vertex 6 adjacent to 1 2 3 5
7. vertex 7 adjacent to 1 2 3 4 5

- Singular graph with $|Aut(CUTP(G))| = 512$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 5 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 5 6
4. vertex 4 adjacent to 7
5. vertex 5 adjacent to 1 2 3 6 7
6. vertex 6 adjacent to 1 2 3 5 7
7. vertex 7 adjacent to 1 2 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 2304$ and $|ARes(G)| = 768$:

1. vertex 1 adjacent to 5 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 5 6 7

4. vertex 4 adjacent to 7
5. vertex 5 adjacent to 1 2 3 6 7
6. vertex 6 adjacent to 1 2 3 5 7
7. vertex 7 adjacent to 1 2 3 4 5 6

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

1. vertex 1 adjacent to 5 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 5 7
4. vertex 4 adjacent to 6 7
5. vertex 5 adjacent to 1 2 3 6 7
6. vertex 6 adjacent to 1 2 4 5
7. vertex 7 adjacent to 1 2 3 4 5

- Singular graph with $|Aut(CUTP(G))| = 3072$ and $|ARes(G)| = 384$:

1. vertex 1 adjacent to 5 6 7
2. vertex 2 adjacent to 5 6
3. vertex 3 adjacent to 5 7
4. vertex 4 adjacent to 6 7
5. vertex 5 adjacent to 1 2 3 6 7
6. vertex 6 adjacent to 1 2 4 5 7
7. vertex 7 adjacent to 1 3 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 1024$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 5 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 5 7
4. vertex 4 adjacent to 6 7
5. vertex 5 adjacent to 1 2 3 6 7
6. vertex 6 adjacent to 1 2 4 5 7

7. vertex 7 adjacent to 1 2 3 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 1536$ and $|ARes(G)| = 768$:

1. vertex 1 adjacent to 5 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 5 6 7
4. vertex 4 adjacent to 6 7
5. vertex 5 adjacent to 1 2 3 6 7
6. vertex 6 adjacent to 1 2 3 4 5 7
7. vertex 7 adjacent to 1 2 3 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 1536$ and $|ARes(G)| = 768$:

1. vertex 1 adjacent to 5 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 5 6 7
4. vertex 4 adjacent to 5 6
5. vertex 5 adjacent to 1 2 3 4 7
6. vertex 6 adjacent to 1 2 3 4 7
7. vertex 7 adjacent to 1 2 3 5 6

- Singular graph with $|Aut(CUTP(G))| = 46080$ and $|ARes(G)| = 384$:

1. vertex 1 adjacent to 4 7
2. vertex 2 adjacent to 5 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1
5. vertex 5 adjacent to 2
6. vertex 6 adjacent to 3
7. vertex 7 adjacent to 1 2 3

- Singular graph with $|Aut(CUTP(G))| = 9216$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 4 7

2. vertex 2 adjacent to 5 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1 7
5. vertex 5 adjacent to 2
6. vertex 6 adjacent to 3
7. vertex 7 adjacent to 1 2 3 4

- Singular graph with $|Aut(CUTP(G))| = 9216$ and $|ARes(G)| = 512$:

1. vertex 1 adjacent to 4 7
2. vertex 2 adjacent to 5 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1 7
5. vertex 5 adjacent to 2 7
6. vertex 6 adjacent to 3
7. vertex 7 adjacent to 1 2 3 4 5

- Singular graph with $|Aut(CUTP(G))| = 82944$ and $|ARes(G)| = 3072$:

1. vertex 1 adjacent to 4 7
2. vertex 2 adjacent to 5 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1 7
5. vertex 5 adjacent to 2 7
6. vertex 6 adjacent to 3 7
7. vertex 7 adjacent to 1 2 3 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 46080$ and $|ARes(G)| = 128$:

1. vertex 1 adjacent to 4 6
2. vertex 2 adjacent to 5 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1

5. vertex 5 adjacent to 2
6. vertex 6 adjacent to 1 3
7. vertex 7 adjacent to 2 3

- Singular graph with $|Aut(CUTP(G))| = 18432$ and $|ARes(G)| = 64$:

1. vertex 1 adjacent to 4 6 7
2. vertex 2 adjacent to 5 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1
5. vertex 5 adjacent to 2
6. vertex 6 adjacent to 1 3
7. vertex 7 adjacent to 1 2 3

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

1. vertex 1 adjacent to 4 6 7
2. vertex 2 adjacent to 5 7
3. vertex 3 adjacent to 6
4. vertex 4 adjacent to 1 7
5. vertex 5 adjacent to 2
6. vertex 6 adjacent to 1 3
7. vertex 7 adjacent to 1 2 4

- Singular graph with $|Aut(CUTP(G))| = 15360$ and $|ARes(G)| = 128$:

1. vertex 1 adjacent to 4 6
2. vertex 2 adjacent to 5 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1 7
5. vertex 5 adjacent to 2
6. vertex 6 adjacent to 1 3
7. vertex 7 adjacent to 2 3 4

- Singular graph with $|Aut(CUTP(G))| = 9216$ and $|ARes(G)| = 128$:
  1. vertex 1 adjacent to 4 6 7
  2. vertex 2 adjacent to 5 7
  3. vertex 3 adjacent to 6
  4. vertex 4 adjacent to 1
  5. vertex 5 adjacent to 2 7
  6. vertex 6 adjacent to 1 3
  7. vertex 7 adjacent to 1 2 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 7
  3. vertex 3 adjacent to 6 7
  4. vertex 4 adjacent to 1
  5. vertex 5 adjacent to 2 7
  6. vertex 6 adjacent to 1 3
  7. vertex 7 adjacent to 2 3 5
- Singular graph with $|Aut(CUTP(G))| = 9216$ and $|ARes(G)| = 128$:
  1. vertex 1 adjacent to 4 6 7
  2. vertex 2 adjacent to 5 7
  3. vertex 3 adjacent to 6
  4. vertex 4 adjacent to 1
  5. vertex 5 adjacent to 2
  6. vertex 6 adjacent to 1 3 7
  7. vertex 7 adjacent to 1 2 6
- Singular graph with $|Aut(CUTP(G))| = 1536$ and $|ARes(G)| = 64$:
  1. vertex 1 adjacent to 4 6 7
  2. vertex 2 adjacent to 5 7

3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1 7
5. vertex 5 adjacent to 2
6. vertex 6 adjacent to 1 3
7. vertex 7 adjacent to 1 2 3 4

- Singular graph with $|Aut(CUTP(G))| = 18432$ and $|ARes(G)| = 128$:

1. vertex 1 adjacent to 4 6 7
2. vertex 2 adjacent to 5 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1
5. vertex 5 adjacent to 2 7
6. vertex 6 adjacent to 1 3
7. vertex 7 adjacent to 1 2 3 5

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

1. vertex 1 adjacent to 4 6 7
2. vertex 2 adjacent to 5 7
3. vertex 3 adjacent to 6
4. vertex 4 adjacent to 1 7
5. vertex 5 adjacent to 2 7
6. vertex 6 adjacent to 1 3
7. vertex 7 adjacent to 1 2 4 5

- Singular graph with $|Aut(CUTP(G))| = 46080$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 4 6
2. vertex 2 adjacent to 5 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1 7
5. vertex 5 adjacent to 2 7

6. vertex 6 adjacent to 1 3
7. vertex 7 adjacent to 2 3 4 5

- Singular graph with $|Aut(CUTP(G))| = 6144$ and $|ARes(G)| = 64$:

1. vertex 1 adjacent to 4 6 7
2. vertex 2 adjacent to 5 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1
5. vertex 5 adjacent to 2
6. vertex 6 adjacent to 1 3 7
7. vertex 7 adjacent to 1 2 3 6

- Singular graph with $|Aut(CUTP(G))| = 9216$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 4 6 7
2. vertex 2 adjacent to 5 7
3. vertex 3 adjacent to 6
4. vertex 4 adjacent to 1
5. vertex 5 adjacent to 2 7
6. vertex 6 adjacent to 1 3 7
7. vertex 7 adjacent to 1 2 5 6

- Singular graph with $|Aut(CUTP(G))| = 4608$ and $|ARes(G)| = 128$:

1. vertex 1 adjacent to 4 6 7
2. vertex 2 adjacent to 5 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1 7
5. vertex 5 adjacent to 2 7
6. vertex 6 adjacent to 1 3
7. vertex 7 adjacent to 1 2 3 4 5

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

1. vertex 1 adjacent to 4 6 7
2. vertex 2 adjacent to 5 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1 7
5. vertex 5 adjacent to 2
6. vertex 6 adjacent to 1 3 7
7. vertex 7 adjacent to 1 2 3 4 6

- Singular graph with $|Aut(CUTP(G))| = 6144$ and $|ARes(G)| = 128$:

1. vertex 1 adjacent to 4 6 7
2. vertex 2 adjacent to 5 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1
5. vertex 5 adjacent to 2 7
6. vertex 6 adjacent to 1 3 7
7. vertex 7 adjacent to 1 2 3 5 6

- Singular graph with $|Aut(CUTP(G))| = 3072$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 4 6 7
2. vertex 2 adjacent to 5 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1 7
5. vertex 5 adjacent to 2 7
6. vertex 6 adjacent to 1 3 7
7. vertex 7 adjacent to 1 2 3 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 6144$ and $|ARes(G)| = 128$:

1. vertex 1 adjacent to 4 6 7
2. vertex 2 adjacent to 5 7
3. vertex 3 adjacent to 7

4. vertex 4 adjacent to 1 6 7
5. vertex 5 adjacent to 2
6. vertex 6 adjacent to 1 4
7. vertex 7 adjacent to 1 2 3 4

- Singular graph with $|Aut(CUTP(G))| = 9216$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 4 6 7
2. vertex 2 adjacent to 5 7
3. vertex 3 adjacent to 7
4. vertex 4 adjacent to 1 6
5. vertex 5 adjacent to 2 7
6. vertex 6 adjacent to 1 4
7. vertex 7 adjacent to 1 2 3 5

- Singular graph with $|Aut(CUTP(G))| = 6144$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 4 6 7
2. vertex 2 adjacent to 5 7
3. vertex 3 adjacent to 7
4. vertex 4 adjacent to 1 6 7
5. vertex 5 adjacent to 2 7
6. vertex 6 adjacent to 1 4
7. vertex 7 adjacent to 1 2 3 4 5

- Singular graph with $|Aut(CUTP(G))| = 55296$ and $|ARes(G)| = 384$:

1. vertex 1 adjacent to 4 6 7
2. vertex 2 adjacent to 5 7
3. vertex 3 adjacent to 7
4. vertex 4 adjacent to 1 6 7
5. vertex 5 adjacent to 2
6. vertex 6 adjacent to 1 4 7

7. vertex 7 adjacent to 1 2 3 4 6

- Singular graph with $|Aut(CUTP(G))| = 55296$ and $|ARes(G)| = 768$:

1. vertex 1 adjacent to 4 6 7
2. vertex 2 adjacent to 5 7
3. vertex 3 adjacent to 7
4. vertex 4 adjacent to 1 6 7
5. vertex 5 adjacent to 2 7
6. vertex 6 adjacent to 1 4 7
7. vertex 7 adjacent to 1 2 3 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 9216$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 4 6
2. vertex 2 adjacent to 5 6
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1 7
5. vertex 5 adjacent to 2 7
6. vertex 6 adjacent to 1 2 3
7. vertex 7 adjacent to 3 4 5

- Singular graph with $|Aut(CUTP(G))| = 2048$ and $|ARes(G)| = 64$:

1. vertex 1 adjacent to 4 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1 7
5. vertex 5 adjacent to 2
6. vertex 6 adjacent to 1 2 3
7. vertex 7 adjacent to 1 2 3 4

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

1. vertex 1 adjacent to 4 6 7

2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 6
4. vertex 4 adjacent to 1 7
5. vertex 5 adjacent to 2 7
6. vertex 6 adjacent to 1 2 3
7. vertex 7 adjacent to 1 2 4 5

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

1. vertex 1 adjacent to 4 6 7
2. vertex 2 adjacent to 5 6
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1 7
5. vertex 5 adjacent to 2 7
6. vertex 6 adjacent to 1 2 3
7. vertex 7 adjacent to 1 3 4 5

- Singular graph with $|Aut(CUTP(G))| = 36864$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 4 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1
5. vertex 5 adjacent to 2
6. vertex 6 adjacent to 1 2 3 7
7. vertex 7 adjacent to 1 2 3 6

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

1. vertex 1 adjacent to 4 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 6
4. vertex 4 adjacent to 1 7

5. vertex 5 adjacent to 2
6. vertex 6 adjacent to 1 2 3 7
7. vertex 7 adjacent to 1 2 4 6

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

1. vertex 1 adjacent to 4 6 7
2. vertex 2 adjacent to 5 6
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1 7
5. vertex 5 adjacent to 2
6. vertex 6 adjacent to 1 2 3 7
7. vertex 7 adjacent to 1 3 4 6

- Singular graph with $|Aut(CUTP(G))| = 6144$ and $|ARes(G)| = 128$:

1. vertex 1 adjacent to 4 6
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1 7
5. vertex 5 adjacent to 2
6. vertex 6 adjacent to 1 2 3 7
7. vertex 7 adjacent to 2 3 4 6

- Singular graph with $|Aut(CUTP(G))| = 768$ and $|ARes(G)| = 64$:

1. vertex 1 adjacent to 4 6 7
2. vertex 2 adjacent to 5 6
3. vertex 3 adjacent to 6
4. vertex 4 adjacent to 1 7
5. vertex 5 adjacent to 2 7
6. vertex 6 adjacent to 1 2 3 7
7. vertex 7 adjacent to 1 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 9216$ and $|ARes(G)| = 256$:
  1. vertex 1 adjacent to 4 6
  2. vertex 2 adjacent to 5 6
  3. vertex 3 adjacent to 6 7
  4. vertex 4 adjacent to 1 7
  5. vertex 5 adjacent to 2 7
  6. vertex 6 adjacent to 1 2 3 7
  7. vertex 7 adjacent to 3 4 5 6
- Singular graph with $|Aut(CUTP(G))| = 1024$ and $|ARes(G)| = 128$:
  1. vertex 1 adjacent to 4 6 7
  2. vertex 2 adjacent to 5 6 7
  3. vertex 3 adjacent to 6 7
  4. vertex 4 adjacent to 1 7
  5. vertex 5 adjacent to 2 7
  6. vertex 6 adjacent to 1 2 3
  7. vertex 7 adjacent to 1 2 3 4 5
- Singular graph with $|Aut(CUTP(G))| = 2048$ and $|ARes(G)| = 64$:
  1. vertex 1 adjacent to 4 6 7
  2. vertex 2 adjacent to 5 6 7
  3. vertex 3 adjacent to 6 7
  4. vertex 4 adjacent to 1 7
  5. vertex 5 adjacent to 2
  6. vertex 6 adjacent to 1 2 3 7
  7. vertex 7 adjacent to 1 2 3 4 6
- Singular graph with $|Aut(CUTP(G))| = 512$ and $|ARes(G)| = 128$:
  1. vertex 1 adjacent to 4 6 7
  2. vertex 2 adjacent to 5 6 7

3. vertex 3 adjacent to 6
4. vertex 4 adjacent to 1 7
5. vertex 5 adjacent to 2 7
6. vertex 6 adjacent to 1 2 3 7
7. vertex 7 adjacent to 1 2 4 5 6

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

1. vertex 1 adjacent to 4 6 7
2. vertex 2 adjacent to 5 6
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1 7
5. vertex 5 adjacent to 2 7
6. vertex 6 adjacent to 1 2 3 7
7. vertex 7 adjacent to 1 3 4 5 6

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

1. vertex 1 adjacent to 4 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1 7
5. vertex 5 adjacent to 2 7
6. vertex 6 adjacent to 1 2 3 7
7. vertex 7 adjacent to 1 2 3 4 5 6

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

1. vertex 1 adjacent to 4 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 7
4. vertex 4 adjacent to 1 6
5. vertex 5 adjacent to 2

6. vertex 6 adjacent to 1 2 4
7. vertex 7 adjacent to 1 2 3

- Singular graph with $|Aut(CUTP(G))| = 2048$ and $|ARes(G)| = 128$:

1. vertex 1 adjacent to 4 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 7
4. vertex 4 adjacent to 1 6 7
5. vertex 5 adjacent to 2
6. vertex 6 adjacent to 1 2 4
7. vertex 7 adjacent to 1 2 3 4

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

1. vertex 1 adjacent to 4 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 7
4. vertex 4 adjacent to 1 6
5. vertex 5 adjacent to 2 7
6. vertex 6 adjacent to 1 2 4
7. vertex 7 adjacent to 1 2 3 5

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

1. vertex 1 adjacent to 4 6 7
2. vertex 2 adjacent to 5 6
3. vertex 3 adjacent to 7
4. vertex 4 adjacent to 1 6 7
5. vertex 5 adjacent to 2 7
6. vertex 6 adjacent to 1 2 4
7. vertex 7 adjacent to 1 3 4 5

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

1. vertex 1 adjacent to 4 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 7
4. vertex 4 adjacent to 1 6 7
5. vertex 5 adjacent to 2 7
6. vertex 6 adjacent to 1 2 4
7. vertex 7 adjacent to 1 2 3 4 5

- Singular graph with $|Aut(CUTP(G))| = 2048$ and $|ARes(G)| = 128$:

1. vertex 1 adjacent to 4 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 7
4. vertex 4 adjacent to 1 6 7
5. vertex 5 adjacent to 2
6. vertex 6 adjacent to 1 2 4 7
7. vertex 7 adjacent to 1 2 3 4 6

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

1. vertex 1 adjacent to 4 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 7
4. vertex 4 adjacent to 1 6
5. vertex 5 adjacent to 2 7
6. vertex 6 adjacent to 1 2 4 7
7. vertex 7 adjacent to 1 2 3 5 6

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

1. vertex 1 adjacent to 4 6 7
2. vertex 2 adjacent to 5 6
3. vertex 3 adjacent to 7

4. vertex 4 adjacent to 1 6 7
5. vertex 5 adjacent to 2 7
6. vertex 6 adjacent to 1 2 4 7
7. vertex 7 adjacent to 1 3 4 5 6

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

1. vertex 1 adjacent to 4 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 7
4. vertex 4 adjacent to 1 6 7
5. vertex 5 adjacent to 2 7
6. vertex 6 adjacent to 1 2 4 7
7. vertex 7 adjacent to 1 2 3 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 9216$ and $|ARes(G)| = 512$:

1. vertex 1 adjacent to 4 6
2. vertex 2 adjacent to 5 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1 6
5. vertex 5 adjacent to 2 7
6. vertex 6 adjacent to 1 3 4
7. vertex 7 adjacent to 2 3 5

- Singular graph with $|Aut(CUTP(G))| = 2048$ and $|ARes(G)| = 128$:

1. vertex 1 adjacent to 4 6 7
2. vertex 2 adjacent to 5 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1 6 7
5. vertex 5 adjacent to 2
6. vertex 6 adjacent to 1 3 4

7. vertex 7 adjacent to 1 2 3 4

- Singular graph with $|Aut(CUTP(G))| = 4608$ and $|ARes(G)| = 128$:

1. vertex 1 adjacent to 4 6 7
2. vertex 2 adjacent to 5 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1 6
5. vertex 5 adjacent to 2 7
6. vertex 6 adjacent to 1 3 4
7. vertex 7 adjacent to 1 2 3 5

- Singular graph with $|Aut(CUTP(G))| = 6144$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 4 6 7
2. vertex 2 adjacent to 5 7
3. vertex 3 adjacent to 6
4. vertex 4 adjacent to 1 6 7
5. vertex 5 adjacent to 2 7
6. vertex 6 adjacent to 1 3 4
7. vertex 7 adjacent to 1 2 4 5

- Singular graph with $|Aut(CUTP(G))| = 55296$ and $|ARes(G)| = 128$:

1. vertex 1 adjacent to 4 6 7
2. vertex 2 adjacent to 5 7
3. vertex 3 adjacent to 6
4. vertex 4 adjacent to 1 6 7
5. vertex 5 adjacent to 2
6. vertex 6 adjacent to 1 3 4 7
7. vertex 7 adjacent to 1 2 4 6

- Singular graph with $|Aut(CUTP(G))| = 6144$ and $|ARes(G)| = 128$:

1. vertex 1 adjacent to 4 6 7

2. vertex 2 adjacent to 5 7
3. vertex 3 adjacent to 6
4. vertex 4 adjacent to 1 6
5. vertex 5 adjacent to 2 7
6. vertex 6 adjacent to 1 3 4 7
7. vertex 7 adjacent to 1 2 5 6

- Singular graph with $|Aut(CUTP(G))| = 82944$ and $|ARes(G)| = 512$:

1. vertex 1 adjacent to 4 6
2. vertex 2 adjacent to 5 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1 6
5. vertex 5 adjacent to 2 7
6. vertex 6 adjacent to 1 3 4 7
7. vertex 7 adjacent to 2 3 5 6

- Singular graph with $|Aut(CUTP(G))| = 6144$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 4 6 7
2. vertex 2 adjacent to 5 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1 6 7
5. vertex 5 adjacent to 2 7
6. vertex 6 adjacent to 1 3 4
7. vertex 7 adjacent to 1 2 3 4 5

- Singular graph with $|Aut(CUTP(G))| = 2048$ and $|ARes(G)| = 128$:

1. vertex 1 adjacent to 4 6 7
2. vertex 2 adjacent to 5 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1 6 7

5. vertex 5 adjacent to 2
6. vertex 6 adjacent to 1 3 4 7
7. vertex 7 adjacent to 1 2 3 4 6

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

1. vertex 1 adjacent to 4 6 7
2. vertex 2 adjacent to 5 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1 6
5. vertex 5 adjacent to 2 7
6. vertex 6 adjacent to 1 3 4 7
7. vertex 7 adjacent to 1 2 3 5 6

- Singular graph with $|Aut(CUTP(G))| = 55296$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 4 6 7
2. vertex 2 adjacent to 5 7
3. vertex 3 adjacent to 6
4. vertex 4 adjacent to 1 6 7
5. vertex 5 adjacent to 2 7
6. vertex 6 adjacent to 1 3 4 7
7. vertex 7 adjacent to 1 2 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 6144$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 4 6 7
2. vertex 2 adjacent to 5 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1 6 7
5. vertex 5 adjacent to 2 7
6. vertex 6 adjacent to 1 3 4 7
7. vertex 7 adjacent to 1 2 3 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 8192$ and $|ARes(G)| = 256$:
  1. vertex 1 adjacent to 4 6 7
  2. vertex 2 adjacent to 5 6 7
  3. vertex 3 adjacent to 6 7
  4. vertex 4 adjacent to 1 6 7
  5. vertex 5 adjacent to 2
  6. vertex 6 adjacent to 1 2 3 4
  7. vertex 7 adjacent to 1 2 3 4
- Singular graph with $|Aut(CUTP(G))| = 1024$ and $|ARes(G)| = 128$:
  1. vertex 1 adjacent to 4 6 7
  2. vertex 2 adjacent to 5 6 7
  3. vertex 3 adjacent to 6 7
  4. vertex 4 adjacent to 1 6
  5. vertex 5 adjacent to 2 7
  6. vertex 6 adjacent to 1 2 3 4
  7. vertex 7 adjacent to 1 2 3 5
- Singular graph with $|Aut(CUTP(G))| = 1024$ and $|ARes(G)| = 128$:
  1. vertex 1 adjacent to 4 6 7
  2. vertex 2 adjacent to 5 6 7
  3. vertex 3 adjacent to 6
  4. vertex 4 adjacent to 1 6 7
  5. vertex 5 adjacent to 2 7
  6. vertex 6 adjacent to 1 2 3 4
  7. vertex 7 adjacent to 1 2 4 5
- Singular graph with $|Aut(CUTP(G))| = 6144$ and $|ARes(G)| = 256$:
  1. vertex 1 adjacent to 4 6 7
  2. vertex 2 adjacent to 5 6

3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1 6 7
5. vertex 5 adjacent to 2 7
6. vertex 6 adjacent to 1 2 3 4
7. vertex 7 adjacent to 1 3 4 5

- Singular graph with $|Aut(CUTP(G))| = 2048$ and $|ARes(G)| = 128$:

1. vertex 1 adjacent to 4 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1 6 7
5. vertex 5 adjacent to 2 7
6. vertex 6 adjacent to 1 2 3 4
7. vertex 7 adjacent to 1 2 3 4 5

- Singular graph with $|Aut(CUTP(G))| = 8192$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 4 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1 6 7
5. vertex 5 adjacent to 2
6. vertex 6 adjacent to 1 2 3 4 7
7. vertex 7 adjacent to 1 2 3 4 6

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

1. vertex 1 adjacent to 4 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1 6
5. vertex 5 adjacent to 2 7

6. vertex 6 adjacent to 1 2 3 4 7
7. vertex 7 adjacent to 1 2 3 5 6

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

1. vertex 1 adjacent to 4 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 6
4. vertex 4 adjacent to 1 6 7
5. vertex 5 adjacent to 2 7
6. vertex 6 adjacent to 1 2 3 4 7
7. vertex 7 adjacent to 1 2 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 6144$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 4 6 7
2. vertex 2 adjacent to 5 6
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1 6 7
5. vertex 5 adjacent to 2 7
6. vertex 6 adjacent to 1 2 3 4 7
7. vertex 7 adjacent to 1 3 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 2048$ and $|ARes(G)| = 128$:

1. vertex 1 adjacent to 4 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1 6 7
5. vertex 5 adjacent to 2 7
6. vertex 6 adjacent to 1 2 3 4 7
7. vertex 7 adjacent to 1 2 3 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 8192$ and $|ARes(G)| = 512$:

1. vertex 1 adjacent to 4 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 7
4. vertex 4 adjacent to 1 6 7
5. vertex 5 adjacent to 2 6 7
6. vertex 6 adjacent to 1 2 4 5
7. vertex 7 adjacent to 1 2 3 4 5

- Singular graph with $|Aut(CUTP(G))| = 8192$ and $|ARes(G)| = 512$:

1. vertex 1 adjacent to 4 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 7
4. vertex 4 adjacent to 1 6 7
5. vertex 5 adjacent to 2 6 7
6. vertex 6 adjacent to 1 2 4 5 7
7. vertex 7 adjacent to 1 2 3 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 16384$ and $|ARes(G)| = 1024$:

1. vertex 1 adjacent to 4 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1 6 7
5. vertex 5 adjacent to 2 6 7
6. vertex 6 adjacent to 1 2 3 4 5
7. vertex 7 adjacent to 1 2 3 4 5

- Singular graph with $|Aut(CUTP(G))| = 16384$ and $|ARes(G)| = 1024$:

1. vertex 1 adjacent to 4 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 6 7

4. vertex 4 adjacent to 1 6 7
5. vertex 5 adjacent to 2 6 7
6. vertex 6 adjacent to 1 2 3 4 5 7
7. vertex 7 adjacent to 1 2 3 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 322560$ and $|ARes(G)| = 896$:

1. vertex 1 adjacent to 4 5
2. vertex 2 adjacent to 5 6
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1 7
5. vertex 5 adjacent to 1 2
6. vertex 6 adjacent to 2 3
7. vertex 7 adjacent to 3 4

- Singular graph with $|Aut(CUTP(G))| = 4608$ and $|ARes(G)| = 64$:

1. vertex 1 adjacent to 4 5 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1
5. vertex 5 adjacent to 1 2
6. vertex 6 adjacent to 2 3
7. vertex 7 adjacent to 1 2 3

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

1. vertex 1 adjacent to 4 5 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 6
4. vertex 4 adjacent to 1 7
5. vertex 5 adjacent to 1 2
6. vertex 6 adjacent to 2 3

7. vertex 7 adjacent to 1 2 4

- Singular graph with $|Aut(CUTP(G))| = 15360$ and $|ARes(G)| = 128$:
  1. vertex 1 adjacent to 4 5 7
  2. vertex 2 adjacent to 5 6
  3. vertex 3 adjacent to 6 7
  4. vertex 4 adjacent to 1 7
  5. vertex 5 adjacent to 1 2
  6. vertex 6 adjacent to 2 3
  7. vertex 7 adjacent to 1 3 4
- Singular graph with $|Aut(CUTP(G))| = 9216$ and $|ARes(G)| = 128$:
  1. vertex 1 adjacent to 4 5
  2. vertex 2 adjacent to 5 6 7
  3. vertex 3 adjacent to 6 7
  4. vertex 4 adjacent to 1 7
  5. vertex 5 adjacent to 1 2
  6. vertex 6 adjacent to 2 3
  7. vertex 7 adjacent to 2 3 4
- Singular graph with $|Aut(CUTP(G))| = 6144$ and $|ARes(G)| = 128$:
  1. vertex 1 adjacent to 4 5 7
  2. vertex 2 adjacent to 5 6 7
  3. vertex 3 adjacent to 6
  4. vertex 4 adjacent to 1
  5. vertex 5 adjacent to 1 2 7
  6. vertex 6 adjacent to 2 3
  7. vertex 7 adjacent to 1 2 5
- Singular graph with $|Aut(CUTP(G))| = 3072$ and $|ARes(G)| = 128$:
  1. vertex 1 adjacent to 4 5 7

2. vertex 2 adjacent to 5 6
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1
5. vertex 5 adjacent to 1 2 7
6. vertex 6 adjacent to 2 3
7. vertex 7 adjacent to 1 3 5

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

1. vertex 1 adjacent to 4 5
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1
5. vertex 5 adjacent to 1 2 7
6. vertex 6 adjacent to 2 3
7. vertex 7 adjacent to 2 3 5

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

1. vertex 1 adjacent to 4 5 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 6
4. vertex 4 adjacent to 1
5. vertex 5 adjacent to 1 2
6. vertex 6 adjacent to 2 3 7
7. vertex 7 adjacent to 1 2 6

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

1. vertex 1 adjacent to 4 5 7
2. vertex 2 adjacent to 5 6
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1

5. vertex 5 adjacent to 1 2
6. vertex 6 adjacent to 2 3 7
7. vertex 7 adjacent to 1 3 6

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

1. vertex 1 adjacent to 4 5 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1 7
5. vertex 5 adjacent to 1 2
6. vertex 6 adjacent to 2 3
7. vertex 7 adjacent to 1 2 3 4

- Singular graph with $|Aut(CUTP(G))| = 768$ and $|ARes(G)| = 64$:

1. vertex 1 adjacent to 4 5 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1
5. vertex 5 adjacent to 1 2 7
6. vertex 6 adjacent to 2 3
7. vertex 7 adjacent to 1 2 3 5

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

1. vertex 1 adjacent to 4 5 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 6
4. vertex 4 adjacent to 1 7
5. vertex 5 adjacent to 1 2 7
6. vertex 6 adjacent to 2 3
7. vertex 7 adjacent to 1 2 4 5

- Singular graph with $|Aut(CUTP(G))| = 3072$ and $|ARes(G)| = 64$:
  1. vertex 1 adjacent to 4 5 7
  2. vertex 2 adjacent to 5 6
  3. vertex 3 adjacent to 6 7
  4. vertex 4 adjacent to 1 7
  5. vertex 5 adjacent to 1 2 7
  6. vertex 6 adjacent to 2 3
  7. vertex 7 adjacent to 1 3 4 5
- Singular graph with $|Aut(CUTP(G))| = 4608$ and $|ARes(G)| = 128$:
  1. vertex 1 adjacent to 4 5
  2. vertex 2 adjacent to 5 6 7
  3. vertex 3 adjacent to 6 7
  4. vertex 4 adjacent to 1 7
  5. vertex 5 adjacent to 1 2 7
  6. vertex 6 adjacent to 2 3
  7. vertex 7 adjacent to 2 3 4 5
- Singular graph with $|Aut(CUTP(G))| = 768$ and $|ARes(G)| = 64$:
  1. vertex 1 adjacent to 4 5 7
  2. vertex 2 adjacent to 5 6 7
  3. vertex 3 adjacent to 6 7
  4. vertex 4 adjacent to 1
  5. vertex 5 adjacent to 1 2
  6. vertex 6 adjacent to 2 3 7
  7. vertex 7 adjacent to 1 2 3 6
- Singular graph with $|Aut(CUTP(G))| = 1024$ and $|ARes(G)| = 64$:
  1. vertex 1 adjacent to 4 5 7
  2. vertex 2 adjacent to 5 6 7

3. vertex 3 adjacent to 6
4. vertex 4 adjacent to 1 7
5. vertex 5 adjacent to 1 2
6. vertex 6 adjacent to 2 3 7
7. vertex 7 adjacent to 1 2 4 6

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

1. vertex 1 adjacent to 4 5 7
2. vertex 2 adjacent to 5 6
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1 7
5. vertex 5 adjacent to 1 2
6. vertex 6 adjacent to 2 3 7
7. vertex 7 adjacent to 1 3 4 6

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

1. vertex 1 adjacent to 4 5 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 6
4. vertex 4 adjacent to 1
5. vertex 5 adjacent to 1 2 7
6. vertex 6 adjacent to 2 3 7
7. vertex 7 adjacent to 1 2 5 6

- Singular graph with $|Aut(CUTP(G))| = 768$ and $|ARes(G)| = 64$:

1. vertex 1 adjacent to 4 5 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1 7
5. vertex 5 adjacent to 1 2 7

6. vertex 6 adjacent to 2 3
7. vertex 7 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 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1 7
5. vertex 5 adjacent to 1 2
6. vertex 6 adjacent to 2 3 7
7. vertex 7 adjacent to 1 2 3 4 6

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

1. vertex 1 adjacent to 4 5 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1
5. vertex 5 adjacent to 1 2 7
6. vertex 6 adjacent to 2 3 7
7. vertex 7 adjacent to 1 2 3 5 6

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

1. vertex 1 adjacent to 4 5 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1 7
5. vertex 5 adjacent to 1 2 7
6. vertex 6 adjacent to 2 3 7
7. vertex 7 adjacent to 1 2 3 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 6144$ and $|ARes(G)| = 128$:

1. vertex 1 adjacent to 4 5 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 7
4. vertex 4 adjacent to 1 6
5. vertex 5 adjacent to 1 2
6. vertex 6 adjacent to 2 4
7. vertex 7 adjacent to 1 2 3

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

1. vertex 1 adjacent to 4 5 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 7
4. vertex 4 adjacent to 1 6 7
5. vertex 5 adjacent to 1 2
6. vertex 6 adjacent to 2 4
7. vertex 7 adjacent to 1 2 3 4

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

1. vertex 1 adjacent to 4 5 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 7
4. vertex 4 adjacent to 1 6
5. vertex 5 adjacent to 1 2 7
6. vertex 6 adjacent to 2 4
7. vertex 7 adjacent to 1 2 3 5

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

1. vertex 1 adjacent to 4 5 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 7

4. vertex 4 adjacent to 1 6 7
5. vertex 5 adjacent to 1 2 7
6. vertex 6 adjacent to 2 4
7. vertex 7 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 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1 7
5. vertex 5 adjacent to 1 2
6. vertex 6 adjacent to 1 2 3
7. vertex 7 adjacent to 1 2 3 4

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

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1
5. vertex 5 adjacent to 1 2 7
6. vertex 6 adjacent to 1 2 3
7. vertex 7 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 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 6
4. vertex 4 adjacent to 1 7
5. vertex 5 adjacent to 1 2 7
6. vertex 6 adjacent to 1 2 3

7. vertex 7 adjacent to 1 2 4 5

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

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 5 6
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1 7
5. vertex 5 adjacent to 1 2 7
6. vertex 6 adjacent to 1 2 3
7. vertex 7 adjacent to 1 3 4 5

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

1. vertex 1 adjacent to 4 5 6
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1 7
5. vertex 5 adjacent to 1 2 7
6. vertex 6 adjacent to 1 2 3
7. vertex 7 adjacent to 2 3 4 5

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

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 6
4. vertex 4 adjacent to 1
5. vertex 5 adjacent to 1 2 7
6. vertex 6 adjacent to 1 2 3 7
7. vertex 7 adjacent to 1 2 5 6

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

1. vertex 1 adjacent to 4 5 6 7

2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1 7
5. vertex 5 adjacent to 1 2 7
6. vertex 6 adjacent to 1 2 3
7. vertex 7 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 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1 7
5. vertex 5 adjacent to 1 2
6. vertex 6 adjacent to 1 2 3 7
7. vertex 7 adjacent to 1 2 3 4 6

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

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1
5. vertex 5 adjacent to 1 2 7
6. vertex 6 adjacent to 1 2 3 7
7. vertex 7 adjacent to 1 2 3 5 6

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

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1 7

5. vertex 5 adjacent to 1 2 7
6. vertex 6 adjacent to 1 2 3 7
7. vertex 7 adjacent to 1 2 3 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 768$ and $|ARes(G)| = 128$:

1. vertex 1 adjacent to 4 5 6
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 7
4. vertex 4 adjacent to 1 6 7
5. vertex 5 adjacent to 1 2 7
6. vertex 6 adjacent to 1 2 4
7. vertex 7 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 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 7
4. vertex 4 adjacent to 1 6
5. vertex 5 adjacent to 1 2
6. vertex 6 adjacent to 1 2 4 7
7. vertex 7 adjacent to 1 2 3 6

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

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 7
4. vertex 4 adjacent to 1 6 7
5. vertex 5 adjacent to 1 2 7
6. vertex 6 adjacent to 1 2 4
7. vertex 7 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 7
  2. vertex 2 adjacent to 5 6 7
  3. vertex 3 adjacent to 7
  4. vertex 4 adjacent to 1 6 7
  5. vertex 5 adjacent to 1 2
  6. vertex 6 adjacent to 1 2 4 7
  7. vertex 7 adjacent to 1 2 3 4 6
- Singular graph with $|Aut(CUTP(G))| = 256$ and $|ARes(G)| = 128$:
  1. vertex 1 adjacent to 4 5 6 7
  2. vertex 2 adjacent to 5 6 7
  3. vertex 3 adjacent to 7
  4. vertex 4 adjacent to 1 6
  5. vertex 5 adjacent to 1 2 7
  6. vertex 6 adjacent to 1 2 4 7
  7. vertex 7 adjacent to 1 2 3 5 6
- Singular graph with $|Aut(CUTP(G))| = 1024$ and $|ARes(G)| = 128$:
  1. vertex 1 adjacent to 4 5 7
  2. vertex 2 adjacent to 5 6 7
  3. vertex 3 adjacent to 6 7
  4. vertex 4 adjacent to 1 6
  5. vertex 5 adjacent to 1 2
  6. vertex 6 adjacent to 2 3 4
  7. vertex 7 adjacent to 1 2 3
- Singular graph with $|Aut(CUTP(G))| = 3072$ and $|ARes(G)| = 384$:
  1. vertex 1 adjacent to 4 5 7
  2. vertex 2 adjacent to 5 6

3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1 6
5. vertex 5 adjacent to 1 2 7
6. vertex 6 adjacent to 2 3 4
7. vertex 7 adjacent to 1 3 5

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

1. vertex 1 adjacent to 4 5 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1 6 7
5. vertex 5 adjacent to 1 2
6. vertex 6 adjacent to 2 3 4
7. vertex 7 adjacent to 1 2 3 4

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

1. vertex 1 adjacent to 4 5 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1 6
5. vertex 5 adjacent to 1 2 7
6. vertex 6 adjacent to 2 3 4
7. vertex 7 adjacent to 1 2 3 5

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

1. vertex 1 adjacent to 4 5 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 6
4. vertex 4 adjacent to 1 6 7
5. vertex 5 adjacent to 1 2 7

6. vertex 6 adjacent to 2 3 4
7. vertex 7 adjacent to 1 2 4 5

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

1. vertex 1 adjacent to 4 5 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 6
4. vertex 4 adjacent to 1 6 7
5. vertex 5 adjacent to 1 2
6. vertex 6 adjacent to 2 3 4 7
7. vertex 7 adjacent to 1 2 4 6

- Singular graph with $|Aut(CUTP(G))| = 6144$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 4 5
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1 6 7
5. vertex 5 adjacent to 1 2
6. vertex 6 adjacent to 2 3 4 7
7. vertex 7 adjacent to 2 3 4 6

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

1. vertex 1 adjacent to 4 5 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1 6 7
5. vertex 5 adjacent to 1 2 7
6. vertex 6 adjacent to 2 3 4
7. vertex 7 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 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1 6 7
5. vertex 5 adjacent to 1 2
6. vertex 6 adjacent to 2 3 4 7
7. vertex 7 adjacent to 1 2 3 4 6

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

1. vertex 1 adjacent to 4 5 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1 6
5. vertex 5 adjacent to 1 2 7
6. vertex 6 adjacent to 2 3 4 7
7. vertex 7 adjacent to 1 2 3 5 6

- Singular graph with $|Aut(CUTP(G))| = 640$ and $|ARes(G)| = 128$:

1. vertex 1 adjacent to 4 5 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 6
4. vertex 4 adjacent to 1 6 7
5. vertex 5 adjacent to 1 2 7
6. vertex 6 adjacent to 2 3 4 7
7. vertex 7 adjacent to 1 2 4 5 6

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

1. vertex 1 adjacent to 4 5 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 6 7

4. vertex 4 adjacent to 1 6 7
5. vertex 5 adjacent to 1 2 7
6. vertex 6 adjacent to 2 3 4 7
7. vertex 7 adjacent to 1 2 3 4 5 6

- 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 7
3. vertex 3 adjacent to 7
4. vertex 4 adjacent to 1 7
5. vertex 5 adjacent to 1 2 6 7
6. vertex 6 adjacent to 1 2 5
7. vertex 7 adjacent to 2 3 4 5

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

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 5 6
3. vertex 3 adjacent to 7
4. vertex 4 adjacent to 1
5. vertex 5 adjacent to 1 2 6 7
6. vertex 6 adjacent to 1 2 5 7
7. vertex 7 adjacent to 1 3 5 6

- Singular graph with $|Aut(CUTP(G))| = 2048$ and $|ARes(G)| = 128$:

1. vertex 1 adjacent to 4 5 6
2. vertex 2 adjacent to 5 6
3. vertex 3 adjacent to 7
4. vertex 4 adjacent to 1 7
5. vertex 5 adjacent to 1 2 6 7
6. vertex 6 adjacent to 1 2 5 7

7. vertex 7 adjacent to 3 4 5 6

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

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 7
4. vertex 4 adjacent to 1 7
5. vertex 5 adjacent to 1 2 6 7
6. vertex 6 adjacent to 1 2 5
7. vertex 7 adjacent to 1 2 3 4 5

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

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 7
4. vertex 4 adjacent to 1
5. vertex 5 adjacent to 1 2 6 7
6. vertex 6 adjacent to 1 2 5 7
7. vertex 7 adjacent to 1 2 3 5 6

- Singular graph with $|Aut(CUTP(G))| = 4096$ and $|ARes(G)| = 128$:

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 5 6
3. vertex 3 adjacent to 7
4. vertex 4 adjacent to 1 7
5. vertex 5 adjacent to 1 2 6 7
6. vertex 6 adjacent to 1 2 5 7
7. vertex 7 adjacent to 1 3 4 5 6

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

1. vertex 1 adjacent to 4 5 6

2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 7
4. vertex 4 adjacent to 1 7
5. vertex 5 adjacent to 1 2 6 7
6. vertex 6 adjacent to 1 2 5 7
7. vertex 7 adjacent to 2 3 4 5 6

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

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 7
4. vertex 4 adjacent to 1 7
5. vertex 5 adjacent to 1 2 6 7
6. vertex 6 adjacent to 1 2 5 7
7. vertex 7 adjacent to 1 2 3 4 5 6

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

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 5 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1 7
5. vertex 5 adjacent to 1 2 6
6. vertex 6 adjacent to 1 3 5
7. vertex 7 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 7
2. vertex 2 adjacent to 5 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1 7

5. vertex 5 adjacent to 1 2 6 7
6. vertex 6 adjacent to 1 3 5
7. vertex 7 adjacent to 1 2 3 4 5

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

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 5 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1
5. vertex 5 adjacent to 1 2 6 7
6. vertex 6 adjacent to 1 3 5 7
7. vertex 7 adjacent to 1 2 3 5 6

- Singular graph with $|Aut(CUTP(G))| = 3072$ and $|ARes(G)| = 384$:

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 5 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1 7
5. vertex 5 adjacent to 1 2 6 7
6. vertex 6 adjacent to 1 3 5 7
7. vertex 7 adjacent to 1 2 3 4 5 6

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

1. vertex 1 adjacent to 4 5 6
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1 6 7
5. vertex 5 adjacent to 1 2 7
6. vertex 6 adjacent to 1 2 3 4
7. vertex 7 adjacent to 2 3 4 5

- Singular graph with $|Aut(CUTP(G))| = 128$ and $|ARes(G)| = 64$:
  1. vertex 1 adjacent to 4 5 6 7
  2. vertex 2 adjacent to 5 6 7
  3. vertex 3 adjacent to 6 7
  4. vertex 4 adjacent to 1 6 7
  5. vertex 5 adjacent to 1 2 7
  6. vertex 6 adjacent to 1 2 3 4
  7. vertex 7 adjacent to 1 2 3 4 5
- Singular graph with $|Aut(CUTP(G))| = 512$ and $|ARes(G)| = 128$:
  1. vertex 1 adjacent to 4 5 6 7
  2. vertex 2 adjacent to 5 6 7
  3. vertex 3 adjacent to 6 7
  4. vertex 4 adjacent to 1 6 7
  5. vertex 5 adjacent to 1 2
  6. vertex 6 adjacent to 1 2 3 4 7
  7. vertex 7 adjacent to 1 2 3 4 6
- Singular graph with $|Aut(CUTP(G))| = 128$ and $|ARes(G)| = 64$:
  1. vertex 1 adjacent to 4 5 6 7
  2. vertex 2 adjacent to 5 6 7
  3. vertex 3 adjacent to 6
  4. vertex 4 adjacent to 1 6 7
  5. vertex 5 adjacent to 1 2 7
  6. vertex 6 adjacent to 1 2 3 4 7
  7. vertex 7 adjacent to 1 2 4 5 6
- Singular graph with $|Aut(CUTP(G))| = 256$ and $|ARes(G)| = 128$:
  1. vertex 1 adjacent to 4 5 6
  2. vertex 2 adjacent to 5 6 7

3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1 6 7
5. vertex 5 adjacent to 1 2 7
6. vertex 6 adjacent to 1 2 3 4 7
7. vertex 7 adjacent to 2 3 4 5 6

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

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1 6 7
5. vertex 5 adjacent to 1 2 7
6. vertex 6 adjacent to 1 2 3 4 7
7. vertex 7 adjacent to 1 2 3 4 5 6

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

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1 7
5. vertex 5 adjacent to 1 2 6 7
6. vertex 6 adjacent to 1 2 3 5
7. vertex 7 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 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1 7
5. vertex 5 adjacent to 1 2 6

6. vertex 6 adjacent to 1 2 3 5 7
7. vertex 7 adjacent to 1 2 3 4 6

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

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1
5. vertex 5 adjacent to 1 2 6 7
6. vertex 6 adjacent to 1 2 3 5 7
7. vertex 7 adjacent to 1 2 3 5 6

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

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 6
4. vertex 4 adjacent to 1 7
5. vertex 5 adjacent to 1 2 6 7
6. vertex 6 adjacent to 1 2 3 5 7
7. vertex 7 adjacent to 1 2 4 5 6

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

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 5 6
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1 7
5. vertex 5 adjacent to 1 2 6 7
6. vertex 6 adjacent to 1 2 3 5 7
7. vertex 7 adjacent to 1 3 4 5 6

- 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 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1 7
5. vertex 5 adjacent to 1 2 6 7
6. vertex 6 adjacent to 1 2 3 5 7
7. vertex 7 adjacent to 2 3 4 5 6

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

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1 7
5. vertex 5 adjacent to 1 2 6 7
6. vertex 6 adjacent to 1 2 3 5 7
7. vertex 7 adjacent to 1 2 3 4 5 6

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

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 7
4. vertex 4 adjacent to 1 6 7
5. vertex 5 adjacent to 1 2 6 7
6. vertex 6 adjacent to 1 2 4 5
7. vertex 7 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 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 7

4. vertex 4 adjacent to 1 6 7
5. vertex 5 adjacent to 1 2 6 7
6. vertex 6 adjacent to 1 2 4 5 7
7. vertex 7 adjacent to 1 2 3 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 512$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1 6 7
5. vertex 5 adjacent to 1 2 6 7
6. vertex 6 adjacent to 1 2 3 4 5
7. vertex 7 adjacent to 1 2 3 4 5

- Singular graph with $|Aut(CUTP(G))| = 512$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1 6 7
5. vertex 5 adjacent to 1 2 6 7
6. vertex 6 adjacent to 1 2 3 4 5 7
7. vertex 7 adjacent to 1 2 3 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 36864$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 4 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 5 6 7
4. vertex 4 adjacent to 1
5. vertex 5 adjacent to 2 3
6. vertex 6 adjacent to 2 3

7. vertex 7 adjacent to 1 2 3

- Singular graph with $|Aut(CUTP(G))| = 18432$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 4 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 5 6
4. vertex 4 adjacent to 1 7
5. vertex 5 adjacent to 2 3
6. vertex 6 adjacent to 2 3
7. vertex 7 adjacent to 1 2 4

- Singular graph with $|Aut(CUTP(G))| = 110592$ and $|ARes(G)| = 512$:

1. vertex 1 adjacent to 4 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 5 6 7
4. vertex 4 adjacent to 1 7
5. vertex 5 adjacent to 2 3
6. vertex 6 adjacent to 2 3
7. vertex 7 adjacent to 1 2 3 4

- Singular graph with $|Aut(CUTP(G))| = 2048$ and $|ARes(G)| = 128$:

1. vertex 1 adjacent to 4 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 5 6 7
4. vertex 4 adjacent to 1
5. vertex 5 adjacent to 2 3 7
6. vertex 6 adjacent to 2 3
7. vertex 7 adjacent to 1 2 3 5

- Singular graph with $|Aut(CUTP(G))| = 4608$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 4 7

2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 5 6
4. vertex 4 adjacent to 1 7
5. vertex 5 adjacent to 2 3 7
6. vertex 6 adjacent to 2 3
7. vertex 7 adjacent to 1 2 4 5

- Singular graph with $|Aut(CUTP(G))| = 6144$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 4 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 5 6 7
4. vertex 4 adjacent to 1 7
5. vertex 5 adjacent to 2 3 7
6. vertex 6 adjacent to 2 3
7. vertex 7 adjacent to 1 2 3 4 5

- Singular graph with $|Aut(CUTP(G))| = 1024$ and $|ARes(G)| = 512$:

1. vertex 1 adjacent to 4 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 5 6 7
4. vertex 4 adjacent to 1
5. vertex 5 adjacent to 2 3 7
6. vertex 6 adjacent to 2 3 7
7. vertex 7 adjacent to 1 2 3 5 6

- Singular graph with $|Aut(CUTP(G))| = 3072$ and $|ARes(G)| = 1024$:

1. vertex 1 adjacent to 4 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 5 6 7
4. vertex 4 adjacent to 1 7

5. vertex 5 adjacent to 2 3 7
6. vertex 6 adjacent to 2 3 7
7. vertex 7 adjacent to 1 2 3 4 5 6

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

1. vertex 1 adjacent to 4 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 5 6 7
4. vertex 4 adjacent to 1
5. vertex 5 adjacent to 2 3
6. vertex 6 adjacent to 1 2 3
7. vertex 7 adjacent to 1 2 3

- Singular graph with $|Aut(CUTP(G))| = 6144$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 4 6
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 5 6 7
4. vertex 4 adjacent to 1 7
5. vertex 5 adjacent to 2 3
6. vertex 6 adjacent to 1 2 3
7. vertex 7 adjacent to 2 3 4

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

1. vertex 1 adjacent to 4 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 5 6
4. vertex 4 adjacent to 1
5. vertex 5 adjacent to 2 3 7
6. vertex 6 adjacent to 1 2 3
7. vertex 7 adjacent to 1 2 5

- Singular graph with $|Aut(CUTP(G))| = 2048$ and $|ARes(G)| = 256$:
  1. vertex 1 adjacent to 4 6
  2. vertex 2 adjacent to 5 6 7
  3. vertex 3 adjacent to 5 6 7
  4. vertex 4 adjacent to 1
  5. vertex 5 adjacent to 2 3 7
  6. vertex 6 adjacent to 1 2 3
  7. vertex 7 adjacent to 2 3 5
- Singular graph with $|Aut(CUTP(G))| = 4096$ and $|ARes(G)| = 256$:
  1. vertex 1 adjacent to 4 6 7
  2. vertex 2 adjacent to 5 6
  3. vertex 3 adjacent to 5 6
  4. vertex 4 adjacent to 1 7
  5. vertex 5 adjacent to 2 3 7
  6. vertex 6 adjacent to 1 2 3
  7. vertex 7 adjacent to 1 4 5
- Singular graph with $|Aut(CUTP(G))| = 2048$ and $|ARes(G)| = 128$:
  1. vertex 1 adjacent to 4 6 7
  2. vertex 2 adjacent to 5 6 7
  3. vertex 3 adjacent to 5 6 7
  4. vertex 4 adjacent to 1 7
  5. vertex 5 adjacent to 2 3
  6. vertex 6 adjacent to 1 2 3
  7. vertex 7 adjacent to 1 2 3 4
- Singular graph with $|Aut(CUTP(G))| = 256$ and $|ARes(G)| = 128$:
  1. vertex 1 adjacent to 4 6 7
  2. vertex 2 adjacent to 5 6 7

3. vertex 3 adjacent to 5 6 7
4. vertex 4 adjacent to 1
5. vertex 5 adjacent to 2 3 7
6. vertex 6 adjacent to 1 2 3
7. vertex 7 adjacent to 1 2 3 5

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

1. vertex 1 adjacent to 4 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 5 6
4. vertex 4 adjacent to 1 7
5. vertex 5 adjacent to 2 3 7
6. vertex 6 adjacent to 1 2 3
7. vertex 7 adjacent to 1 2 4 5

- Singular graph with $|Aut(CUTP(G))| = 768$ and $|ARes(G)| = 128$:

1. vertex 1 adjacent to 4 6
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 5 6 7
4. vertex 4 adjacent to 1 7
5. vertex 5 adjacent to 2 3 7
6. vertex 6 adjacent to 1 2 3
7. vertex 7 adjacent to 2 3 4 5

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

1. vertex 1 adjacent to 4 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 5 6 7
4. vertex 4 adjacent to 1
5. vertex 5 adjacent to 2 3

6. vertex 6 adjacent to 1 2 3 7
7. vertex 7 adjacent to 1 2 3 6

- Singular graph with $|Aut(CUTP(G))| = 768$ and $|ARes(G)| = 64$:

1. vertex 1 adjacent to 4 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 5 6
4. vertex 4 adjacent to 1 7
5. vertex 5 adjacent to 2 3
6. vertex 6 adjacent to 1 2 3 7
7. vertex 7 adjacent to 1 2 4 6

- Singular graph with $|Aut(CUTP(G))| = 6144$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 4 6
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 5 6 7
4. vertex 4 adjacent to 1 7
5. vertex 5 adjacent to 2 3
6. vertex 6 adjacent to 1 2 3 7
7. vertex 7 adjacent to 2 3 4 6

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

1. vertex 1 adjacent to 4 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 5 6 7
4. vertex 4 adjacent to 1 7
5. vertex 5 adjacent to 2 3 7
6. vertex 6 adjacent to 1 2 3
7. vertex 7 adjacent to 1 2 3 4 5

- Singular graph with $|Aut(CUTP(G))| = 2048$ and $|ARes(G)| = 128$:

1. vertex 1 adjacent to 4 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 5 6 7
4. vertex 4 adjacent to 1 7
5. vertex 5 adjacent to 2 3
6. vertex 6 adjacent to 1 2 3 7
7. vertex 7 adjacent to 1 2 3 4 6

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

1. vertex 1 adjacent to 4 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 5 6 7
4. vertex 4 adjacent to 1
5. vertex 5 adjacent to 2 3 7
6. vertex 6 adjacent to 1 2 3 7
7. vertex 7 adjacent to 1 2 3 5 6

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

1. vertex 1 adjacent to 4 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 5 6
4. vertex 4 adjacent to 1 7
5. vertex 5 adjacent to 2 3 7
6. vertex 6 adjacent to 1 2 3 7
7. vertex 7 adjacent to 1 2 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 768$ and $|ARes(G)| = 128$:

1. vertex 1 adjacent to 4 6
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 5 6 7

4. vertex 4 adjacent to 1 7
5. vertex 5 adjacent to 2 3 7
6. vertex 6 adjacent to 1 2 3 7
7. vertex 7 adjacent to 2 3 4 5 6

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

1. vertex 1 adjacent to 4 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 5 6 7
4. vertex 4 adjacent to 1 7
5. vertex 5 adjacent to 2 3 7
6. vertex 6 adjacent to 1 2 3 7
7. vertex 7 adjacent to 1 2 3 4 5 6

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

1. vertex 1 adjacent to 4 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 5 7
4. vertex 4 adjacent to 1 6
5. vertex 5 adjacent to 2 3
6. vertex 6 adjacent to 1 2 4
7. vertex 7 adjacent to 1 2 3

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

1. vertex 1 adjacent to 4 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 5
4. vertex 4 adjacent to 1 6
5. vertex 5 adjacent to 2 3 7
6. vertex 6 adjacent to 1 2 4

7. vertex 7 adjacent to 1 2 5

- Singular graph with $|Aut(CUTP(G))| = 3072$ and $|ARes(G)| = 128$:
  1. vertex 1 adjacent to 4 6 7
  2. vertex 2 adjacent to 5 6
  3. vertex 3 adjacent to 5 7
  4. vertex 4 adjacent to 1 6
  5. vertex 5 adjacent to 2 3 7
  6. vertex 6 adjacent to 1 2 4
  7. vertex 7 adjacent to 1 3 5
- Singular graph with $|Aut(CUTP(G))| = 3072$ and $|ARes(G)| = 128$:
  1. vertex 1 adjacent to 4 6 7
  2. vertex 2 adjacent to 5 6
  3. vertex 3 adjacent to 5
  4. vertex 4 adjacent to 1 6 7
  5. vertex 5 adjacent to 2 3 7
  6. vertex 6 adjacent to 1 2 4
  7. vertex 7 adjacent to 1 4 5
- Singular graph with $|Aut(CUTP(G))| = 3072$ and $|ARes(G)| = 128$:
  1. vertex 1 adjacent to 4 6 7
  2. vertex 2 adjacent to 5 6 7
  3. vertex 3 adjacent to 5 7
  4. vertex 4 adjacent to 1 6 7
  5. vertex 5 adjacent to 2 3
  6. vertex 6 adjacent to 1 2 4
  7. vertex 7 adjacent to 1 2 3 4
- Singular graph with $|Aut(CUTP(G))| = 512$ and $|ARes(G)| = 64$:
  1. vertex 1 adjacent to 4 6 7

2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 5 7
4. vertex 4 adjacent to 1 6
5. vertex 5 adjacent to 2 3 7
6. vertex 6 adjacent to 1 2 4
7. vertex 7 adjacent to 1 2 3 5

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

1. vertex 1 adjacent to 4 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 5
4. vertex 4 adjacent to 1 6 7
5. vertex 5 adjacent to 2 3 7
6. vertex 6 adjacent to 1 2 4
7. vertex 7 adjacent to 1 2 4 5

- Singular graph with $|Aut(CUTP(G))| = 2048$ and $|ARes(G)| = 128$:

1. vertex 1 adjacent to 4 6 7
2. vertex 2 adjacent to 5 6
3. vertex 3 adjacent to 5 7
4. vertex 4 adjacent to 1 6 7
5. vertex 5 adjacent to 2 3 7
6. vertex 6 adjacent to 1 2 4
7. vertex 7 adjacent to 1 3 4 5

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

1. vertex 1 adjacent to 4 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 5
4. vertex 4 adjacent to 1 6 7

5. vertex 5 adjacent to 2 3
6. vertex 6 adjacent to 1 2 4 7
7. vertex 7 adjacent to 1 2 4 6

- Singular graph with $|Aut(CUTP(G))| = 12288$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 4 6 7
2. vertex 2 adjacent to 5 6
3. vertex 3 adjacent to 5 7
4. vertex 4 adjacent to 1 6 7
5. vertex 5 adjacent to 2 3
6. vertex 6 adjacent to 1 2 4 7
7. vertex 7 adjacent to 1 3 4 6

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

1. vertex 1 adjacent to 4 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 5 7
4. vertex 4 adjacent to 1 6 7
5. vertex 5 adjacent to 2 3 7
6. vertex 6 adjacent to 1 2 4
7. vertex 7 adjacent to 1 2 3 4 5

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

1. vertex 1 adjacent to 4 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 5 7
4. vertex 4 adjacent to 1 6 7
5. vertex 5 adjacent to 2 3
6. vertex 6 adjacent to 1 2 4 7
7. vertex 7 adjacent to 1 2 3 4 6

- Singular graph with $|Aut(CUTP(G))| = 512$ and $|ARes(G)| = 64$:
  1. vertex 1 adjacent to 4 6 7
  2. vertex 2 adjacent to 5 6 7
  3. vertex 3 adjacent to 5 7
  4. vertex 4 adjacent to 1 6
  5. vertex 5 adjacent to 2 3 7
  6. vertex 6 adjacent to 1 2 4 7
  7. vertex 7 adjacent to 1 2 3 5 6
- Singular graph with $|Aut(CUTP(G))| = 1024$ and $|ARes(G)| = 128$:
  1. vertex 1 adjacent to 4 6 7
  2. vertex 2 adjacent to 5 6 7
  3. vertex 3 adjacent to 5
  4. vertex 4 adjacent to 1 6 7
  5. vertex 5 adjacent to 2 3 7
  6. vertex 6 adjacent to 1 2 4 7
  7. vertex 7 adjacent to 1 2 4 5 6
- Singular graph with $|Aut(CUTP(G))| = 2048$ and $|ARes(G)| = 128$:
  1. vertex 1 adjacent to 4 6 7
  2. vertex 2 adjacent to 5 6
  3. vertex 3 adjacent to 5 7
  4. vertex 4 adjacent to 1 6 7
  5. vertex 5 adjacent to 2 3 7
  6. vertex 6 adjacent to 1 2 4 7
  7. vertex 7 adjacent to 1 3 4 5 6
- Singular graph with $|Aut(CUTP(G))| = 1024$ and $|ARes(G)| = 128$:
  1. vertex 1 adjacent to 4 6 7
  2. vertex 2 adjacent to 5 6 7

3. vertex 3 adjacent to 5 7
4. vertex 4 adjacent to 1 6 7
5. vertex 5 adjacent to 2 3 7
6. vertex 6 adjacent to 1 2 4 7
7. vertex 7 adjacent to 1 2 3 4 5 6

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

1. vertex 1 adjacent to 4 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 5 7
4. vertex 4 adjacent to 1 7
5. vertex 5 adjacent to 2 3 6
6. vertex 6 adjacent to 1 2 5
7. vertex 7 adjacent to 1 2 3 4

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

1. vertex 1 adjacent to 4 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 5
4. vertex 4 adjacent to 1 7
5. vertex 5 adjacent to 2 3 6 7
6. vertex 6 adjacent to 1 2 5
7. vertex 7 adjacent to 1 2 4 5

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

1. vertex 1 adjacent to 4 6 7
2. vertex 2 adjacent to 5 6
3. vertex 3 adjacent to 5 7
4. vertex 4 adjacent to 1 7
5. vertex 5 adjacent to 2 3 6 7

6. vertex 6 adjacent to 1 2 5
7. vertex 7 adjacent to 1 3 4 5

- Singular graph with $|Aut(CUTP(G))| = 768$ and $|ARes(G)| = 64$:

1. vertex 1 adjacent to 4 6
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 5 7
4. vertex 4 adjacent to 1 7
5. vertex 5 adjacent to 2 3 6 7
6. vertex 6 adjacent to 1 2 5
7. vertex 7 adjacent to 2 3 4 5

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

1. vertex 1 adjacent to 4 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 5 7
4. vertex 4 adjacent to 1
5. vertex 5 adjacent to 2 3 6
6. vertex 6 adjacent to 1 2 5 7
7. vertex 7 adjacent to 1 2 3 6

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

1. vertex 1 adjacent to 4 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 5
4. vertex 4 adjacent to 1 7
5. vertex 5 adjacent to 2 3 6
6. vertex 6 adjacent to 1 2 5 7
7. vertex 7 adjacent to 1 2 4 6

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

1. vertex 1 adjacent to 4 6 7
2. vertex 2 adjacent to 5 6
3. vertex 3 adjacent to 5 7
4. vertex 4 adjacent to 1 7
5. vertex 5 adjacent to 2 3 6
6. vertex 6 adjacent to 1 2 5 7
7. vertex 7 adjacent to 1 3 4 6

- Singular graph with $|Aut(CUTP(G))| = 768$ and $|ARes(G)| = 64$:

1. vertex 1 adjacent to 4 6
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 5 7
4. vertex 4 adjacent to 1 7
5. vertex 5 adjacent to 2 3 6
6. vertex 6 adjacent to 1 2 5 7
7. vertex 7 adjacent to 2 3 4 6

- Singular graph with $|Aut(CUTP(G))| = 2048$ and $|ARes(G)| = 128$:

1. vertex 1 adjacent to 4 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 5
4. vertex 4 adjacent to 1
5. vertex 5 adjacent to 2 3 6 7
6. vertex 6 adjacent to 1 2 5 7
7. vertex 7 adjacent to 1 2 5 6

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

1. vertex 1 adjacent to 4 6 7
2. vertex 2 adjacent to 5 6
3. vertex 3 adjacent to 5 7

4. vertex 4 adjacent to 1
5. vertex 5 adjacent to 2 3 6 7
6. vertex 6 adjacent to 1 2 5 7
7. vertex 7 adjacent to 1 3 5 6

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

1. vertex 1 adjacent to 4 6 7
2. vertex 2 adjacent to 5 6
3. vertex 3 adjacent to 5
4. vertex 4 adjacent to 1 7
5. vertex 5 adjacent to 2 3 6 7
6. vertex 6 adjacent to 1 2 5 7
7. vertex 7 adjacent to 1 4 5 6

- 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 7
3. vertex 3 adjacent to 5
4. vertex 4 adjacent to 1 7
5. vertex 5 adjacent to 2 3 6 7
6. vertex 6 adjacent to 1 2 5 7
7. vertex 7 adjacent to 2 4 5 6

- 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 7
4. vertex 4 adjacent to 1 7
5. vertex 5 adjacent to 2 3 6 7
6. vertex 6 adjacent to 1 2 5 7

7. vertex 7 adjacent to 3 4 5 6

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

1. vertex 1 adjacent to 4 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 5 7
4. vertex 4 adjacent to 1 7
5. vertex 5 adjacent to 2 3 6 7
6. vertex 6 adjacent to 1 2 5
7. vertex 7 adjacent to 1 2 3 4 5

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

1. vertex 1 adjacent to 4 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 5 7
4. vertex 4 adjacent to 1 7
5. vertex 5 adjacent to 2 3 6
6. vertex 6 adjacent to 1 2 5 7
7. vertex 7 adjacent to 1 2 3 4 6

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

1. vertex 1 adjacent to 4 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 5 7
4. vertex 4 adjacent to 1
5. vertex 5 adjacent to 2 3 6 7
6. vertex 6 adjacent to 1 2 5 7
7. vertex 7 adjacent to 1 2 3 5 6

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

1. vertex 1 adjacent to 4 6 7

2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 5
4. vertex 4 adjacent to 1 7
5. vertex 5 adjacent to 2 3 6 7
6. vertex 6 adjacent to 1 2 5 7
7. vertex 7 adjacent to 1 2 4 5 6

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

1. vertex 1 adjacent to 4 6 7
2. vertex 2 adjacent to 5 6
3. vertex 3 adjacent to 5 7
4. vertex 4 adjacent to 1 7
5. vertex 5 adjacent to 2 3 6 7
6. vertex 6 adjacent to 1 2 5 7
7. vertex 7 adjacent to 1 3 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 768$ and $|ARes(G)| = 64$:

1. vertex 1 adjacent to 4 6
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 5 7
4. vertex 4 adjacent to 1 7
5. vertex 5 adjacent to 2 3 6 7
6. vertex 6 adjacent to 1 2 5 7
7. vertex 7 adjacent to 2 3 4 5 6

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

1. vertex 1 adjacent to 4 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 5 7
4. vertex 4 adjacent to 1 7

5. vertex 5 adjacent to 2 3 6 7
6. vertex 6 adjacent to 1 2 5 7
7. vertex 7 adjacent to 1 2 3 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 6144$ and $|ARes(G)| = 512$:

1. vertex 1 adjacent to 4 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 5 6 7
4. vertex 4 adjacent to 1 7
5. vertex 5 adjacent to 2 3 6
6. vertex 6 adjacent to 2 3 5
7. vertex 7 adjacent to 1 2 3 4

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

1. vertex 1 adjacent to 4 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 5 6 7
4. vertex 4 adjacent to 1
5. vertex 5 adjacent to 2 3 6 7
6. vertex 6 adjacent to 2 3 5
7. vertex 7 adjacent to 1 2 3 5

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

1. vertex 1 adjacent to 4 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 5 6
4. vertex 4 adjacent to 1 7
5. vertex 5 adjacent to 2 3 6 7
6. vertex 6 adjacent to 2 3 5
7. vertex 7 adjacent to 1 2 4 5

- Singular graph with $|Aut(CUTP(G))| = 2048$ and $|ARes(G)| = 128$:

  1. vertex 1 adjacent to 4 7
  2. vertex 2 adjacent to 5 6 7
  3. vertex 3 adjacent to 5 6
  4. vertex 4 adjacent to 1
  5. vertex 5 adjacent to 2 3 6 7
  6. vertex 6 adjacent to 2 3 5 7
  7. vertex 7 adjacent to 1 2 5 6

- Singular graph with $|Aut(CUTP(G))| = 110592$ and $|ARes(G)| = 512$:

  1. vertex 1 adjacent to 4 7
  2. vertex 2 adjacent to 5 6
  3. vertex 3 adjacent to 5 6
  4. vertex 4 adjacent to 1 7
  5. vertex 5 adjacent to 2 3 6 7
  6. vertex 6 adjacent to 2 3 5 7
  7. vertex 7 adjacent to 1 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 3072$ and $|ARes(G)| = 256$:

  1. vertex 1 adjacent to 4 7
  2. vertex 2 adjacent to 5 6 7
  3. vertex 3 adjacent to 5 6 7
  4. vertex 4 adjacent to 1 7
  5. vertex 5 adjacent to 2 3 6 7
  6. vertex 6 adjacent to 2 3 5
  7. vertex 7 adjacent to 1 2 3 4 5

- Singular graph with $|Aut(CUTP(G))| = 1536$ and $|ARes(G)| = 256$:

  1. vertex 1 adjacent to 4 7
  2. vertex 2 adjacent to 5 6 7

3. vertex 3 adjacent to 5 6 7
4. vertex 4 adjacent to 1
5. vertex 5 adjacent to 2 3 6 7
6. vertex 6 adjacent to 2 3 5 7
7. vertex 7 adjacent to 1 2 3 5 6

- Singular graph with $|Aut(CUTP(G))| = 6144$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 4 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 5 6
4. vertex 4 adjacent to 1 7
5. vertex 5 adjacent to 2 3 6 7
6. vertex 6 adjacent to 2 3 5 7
7. vertex 7 adjacent to 1 2 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 4608$ and $|ARes(G)| = 512$:

1. vertex 1 adjacent to 4 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 5 6 7
4. vertex 4 adjacent to 1 7
5. vertex 5 adjacent to 2 3 6 7
6. vertex 6 adjacent to 2 3 5 7
7. vertex 7 adjacent to 1 2 3 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 8192$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 4 6 7
2. vertex 2 adjacent to 5 7
3. vertex 3 adjacent to 5 7
4. vertex 4 adjacent to 1 6 7
5. vertex 5 adjacent to 2 3 6

6. vertex 6 adjacent to 1 4 5
7. vertex 7 adjacent to 1 2 3 4

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

1. vertex 1 adjacent to 4 6 7
2. vertex 2 adjacent to 5 7
3. vertex 3 adjacent to 5 7
4. vertex 4 adjacent to 1 6
5. vertex 5 adjacent to 2 3 6 7
6. vertex 6 adjacent to 1 4 5
7. vertex 7 adjacent to 1 2 3 5

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

1. vertex 1 adjacent to 4 6 7
2. vertex 2 adjacent to 5 7
3. vertex 3 adjacent to 5
4. vertex 4 adjacent to 1 6 7
5. vertex 5 adjacent to 2 3 6 7
6. vertex 6 adjacent to 1 4 5
7. vertex 7 adjacent to 1 2 4 5

- Singular graph with $|Aut(CUTP(G))| = 2048$ and $|ARes(G)| = 128$:

1. vertex 1 adjacent to 4 6 7
2. vertex 2 adjacent to 5 7
3. vertex 3 adjacent to 5 7
4. vertex 4 adjacent to 1 6
5. vertex 5 adjacent to 2 3 6
6. vertex 6 adjacent to 1 4 5 7
7. vertex 7 adjacent to 1 2 3 6

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

1. vertex 1 adjacent to 4 6 7
2. vertex 2 adjacent to 5 7
3. vertex 3 adjacent to 5
4. vertex 4 adjacent to 1 6 7
5. vertex 5 adjacent to 2 3 6
6. vertex 6 adjacent to 1 4 5 7
7. vertex 7 adjacent to 1 2 4 6

- Singular graph with $|Aut(CUTP(G))| = 2048$ and $|ARes(G)| = 512$:

1. vertex 1 adjacent to 4 6 7
2. vertex 2 adjacent to 5
3. vertex 3 adjacent to 5
4. vertex 4 adjacent to 1 6 7
5. vertex 5 adjacent to 2 3 6 7
6. vertex 6 adjacent to 1 4 5 7
7. vertex 7 adjacent to 1 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 8192$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 4 6 7
2. vertex 2 adjacent to 5 7
3. vertex 3 adjacent to 5 7
4. vertex 4 adjacent to 1 6 7
5. vertex 5 adjacent to 2 3 6 7
6. vertex 6 adjacent to 1 4 5
7. vertex 7 adjacent to 1 2 3 4 5

- Singular graph with $|Aut(CUTP(G))| = 8192$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 4 6 7
2. vertex 2 adjacent to 5 7
3. vertex 3 adjacent to 5 7

4. vertex 4 adjacent to 1 6 7
5. vertex 5 adjacent to 2 3 6
6. vertex 6 adjacent to 1 4 5 7
7. vertex 7 adjacent to 1 2 3 4 6

- Singular graph with $|Aut(CUTP(G))| = 2048$ and $|ARes(G)| = 128$:

1. vertex 1 adjacent to 4 6 7
2. vertex 2 adjacent to 5 7
3. vertex 3 adjacent to 5 7
4. vertex 4 adjacent to 1 6
5. vertex 5 adjacent to 2 3 6 7
6. vertex 6 adjacent to 1 4 5 7
7. vertex 7 adjacent to 1 2 3 5 6

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

1. vertex 1 adjacent to 4 6 7
2. vertex 2 adjacent to 5 7
3. vertex 3 adjacent to 5
4. vertex 4 adjacent to 1 6 7
5. vertex 5 adjacent to 2 3 6 7
6. vertex 6 adjacent to 1 4 5 7
7. vertex 7 adjacent to 1 2 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 8192$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 4 6 7
2. vertex 2 adjacent to 5 7
3. vertex 3 adjacent to 5 7
4. vertex 4 adjacent to 1 6 7
5. vertex 5 adjacent to 2 3 6 7
6. vertex 6 adjacent to 1 4 5 7

7. vertex 7 adjacent to 1 2 3 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 8192$ and $|ARes(G)| = 512$:

1. vertex 1 adjacent to 4 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 5 6 7
4. vertex 4 adjacent to 1 6 7
5. vertex 5 adjacent to 2 3
6. vertex 6 adjacent to 1 2 3 4
7. vertex 7 adjacent to 1 2 3 4

- Singular graph with $|Aut(CUTP(G))| = 1024$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 4 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 5 6 7
4. vertex 4 adjacent to 1 6 7
5. vertex 5 adjacent to 2 3 7
6. vertex 6 adjacent to 1 2 3 4
7. vertex 7 adjacent to 1 2 3 4 5

- Singular graph with $|Aut(CUTP(G))| = 8192$ and $|ARes(G)| = 512$:

1. vertex 1 adjacent to 4 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 5 6 7
4. vertex 4 adjacent to 1 6 7
5. vertex 5 adjacent to 2 3
6. vertex 6 adjacent to 1 2 3 4 7
7. vertex 7 adjacent to 1 2 3 4 6

- Singular graph with $|Aut(CUTP(G))| = 1024$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 4 6 7

2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 5 6 7
4. vertex 4 adjacent to 1 6 7
5. vertex 5 adjacent to 2 3 7
6. vertex 6 adjacent to 1 2 3 4 7
7. vertex 7 adjacent to 1 2 3 4 5 6

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

1. vertex 1 adjacent to 4 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 5 6 7
4. vertex 4 adjacent to 1 7
5. vertex 5 adjacent to 2 3 6
6. vertex 6 adjacent to 1 2 3 5
7. vertex 7 adjacent to 1 2 3 4

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

1. vertex 1 adjacent to 4 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 5 6 7
4. vertex 4 adjacent to 1 7
5. vertex 5 adjacent to 2 3 6 7
6. vertex 6 adjacent to 1 2 3 5
7. vertex 7 adjacent to 1 2 3 4 5

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

1. vertex 1 adjacent to 4 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 5 6 7
4. vertex 4 adjacent to 1 7

5. vertex 5 adjacent to 2 3 6
6. vertex 6 adjacent to 1 2 3 5 7
7. vertex 7 adjacent to 1 2 3 4 6

- Singular graph with $|Aut(CUTP(G))| = 512$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 4 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 5 6 7
4. vertex 4 adjacent to 1
5. vertex 5 adjacent to 2 3 6 7
6. vertex 6 adjacent to 1 2 3 5 7
7. vertex 7 adjacent to 1 2 3 5 6

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

1. vertex 1 adjacent to 4 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 5 6
4. vertex 4 adjacent to 1 7
5. vertex 5 adjacent to 2 3 6 7
6. vertex 6 adjacent to 1 2 3 5 7
7. vertex 7 adjacent to 1 2 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 1536$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 4 6
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 5 6 7
4. vertex 4 adjacent to 1 7
5. vertex 5 adjacent to 2 3 6 7
6. vertex 6 adjacent to 1 2 3 5 7
7. vertex 7 adjacent to 2 3 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 512$ and $|ARes(G)| = 128$:
  1. vertex 1 adjacent to 4 6 7
  2. vertex 2 adjacent to 5 6 7
  3. vertex 3 adjacent to 5 6 7
  4. vertex 4 adjacent to 1 7
  5. vertex 5 adjacent to 2 3 6 7
  6. vertex 6 adjacent to 1 2 3 5 7
  7. vertex 7 adjacent to 1 2 3 4 5 6
- Singular graph with $|Aut(CUTP(G))| = 1024$ and $|ARes(G)| = 128$:
  1. vertex 1 adjacent to 4 6 7
  2. vertex 2 adjacent to 5 6 7
  3. vertex 3 adjacent to 5 7
  4. vertex 4 adjacent to 1 6 7
  5. vertex 5 adjacent to 2 3 6
  6. vertex 6 adjacent to 1 2 4 5
  7. vertex 7 adjacent to 1 2 3 4
- Singular graph with $|Aut(CUTP(G))| = 1024$ and $|ARes(G)| = 128$:
  1. vertex 1 adjacent to 4 6 7
  2. vertex 2 adjacent to 5 6 7
  3. vertex 3 adjacent to 5 7
  4. vertex 4 adjacent to 1 6 7
  5. vertex 5 adjacent to 2 3 6 7
  6. vertex 6 adjacent to 1 2 4 5
  7. vertex 7 adjacent to 1 2 3 4 5
- Singular graph with $|Aut(CUTP(G))| = 1024$ and $|ARes(G)| = 128$:
  1. vertex 1 adjacent to 4 6 7
  2. vertex 2 adjacent to 5 6 7

3. vertex 3 adjacent to 5 7
4. vertex 4 adjacent to 1 6 7
5. vertex 5 adjacent to 2 3 6
6. vertex 6 adjacent to 1 2 4 5 7
7. vertex 7 adjacent to 1 2 3 4 6

- Singular graph with $|Aut(CUTP(G))| = 8192$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 4 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 5
4. vertex 4 adjacent to 1 6 7
5. vertex 5 adjacent to 2 3 6 7
6. vertex 6 adjacent to 1 2 4 5 7
7. vertex 7 adjacent to 1 2 4 5 6

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

1. vertex 1 adjacent to 4 6 7
2. vertex 2 adjacent to 5 6
3. vertex 3 adjacent to 5 7
4. vertex 4 adjacent to 1 6 7
5. vertex 5 adjacent to 2 3 6 7
6. vertex 6 adjacent to 1 2 4 5 7
7. vertex 7 adjacent to 1 3 4 5 6

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

1. vertex 1 adjacent to 4 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 5 7
4. vertex 4 adjacent to 1 6 7
5. vertex 5 adjacent to 2 3 6 7

6. vertex 6 adjacent to 1 2 4 5 7
7. vertex 7 adjacent to 1 2 3 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 2048$ and $|ARes(G)| = 512$:

1. vertex 1 adjacent to 4 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 5 6 7
4. vertex 4 adjacent to 1 6 7
5. vertex 5 adjacent to 2 3 6 7
6. vertex 6 adjacent to 1 2 3 4 5
7. vertex 7 adjacent to 1 2 3 4 5

- Singular graph with $|Aut(CUTP(G))| = 2048$ and $|ARes(G)| = 512$:

1. vertex 1 adjacent to 4 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 5 6 7
4. vertex 4 adjacent to 1 6 7
5. vertex 5 adjacent to 2 3 6 7
6. vertex 6 adjacent to 1 2 3 4 5 7
7. vertex 7 adjacent to 1 2 3 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 6144$ and $|ARes(G)| = 128$:

1. vertex 1 adjacent to 4 5 7
2. vertex 2 adjacent to 6 7
3. vertex 3 adjacent to 6
4. vertex 4 adjacent to 1 5 7
5. vertex 5 adjacent to 1 4
6. vertex 6 adjacent to 2 3
7. vertex 7 adjacent to 1 2 4

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

1. vertex 1 adjacent to 4 5 7
2. vertex 2 adjacent to 6 7
3. vertex 3 adjacent to 6
4. vertex 4 adjacent to 1 5
5. vertex 5 adjacent to 1 4
6. vertex 6 adjacent to 2 3 7
7. vertex 7 adjacent to 1 2 6

- Singular graph with $|Aut(CUTP(G))| = 6144$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 4 5 7
2. vertex 2 adjacent to 6
3. vertex 3 adjacent to 6
4. vertex 4 adjacent to 1 5 7
5. vertex 5 adjacent to 1 4
6. vertex 6 adjacent to 2 3 7
7. vertex 7 adjacent to 1 4 6

- Singular graph with $|Aut(CUTP(G))| = 49152$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 4 5 7
2. vertex 2 adjacent to 6 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1 5 7
5. vertex 5 adjacent to 1 4
6. vertex 6 adjacent to 2 3
7. vertex 7 adjacent to 1 2 3 4

- Singular graph with $|Aut(CUTP(G))| = 55296$ and $|ARes(G)| = 384$:

1. vertex 1 adjacent to 4 5 7
2. vertex 2 adjacent to 6 7
3. vertex 3 adjacent to 6

4. vertex 4 adjacent to 1 5 7
5. vertex 5 adjacent to 1 4 7
6. vertex 6 adjacent to 2 3
7. vertex 7 adjacent to 1 2 4 5

- Singular graph with $|Aut(CUTP(G))| = 6144$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 4 5 7
2. vertex 2 adjacent to 6 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1 5
5. vertex 5 adjacent to 1 4
6. vertex 6 adjacent to 2 3 7
7. vertex 7 adjacent to 1 2 3 6

- Singular graph with $|Aut(CUTP(G))| = 6144$ and $|ARes(G)| = 128$:

1. vertex 1 adjacent to 4 5 7
2. vertex 2 adjacent to 6 7
3. vertex 3 adjacent to 6
4. vertex 4 adjacent to 1 5 7
5. vertex 5 adjacent to 1 4
6. vertex 6 adjacent to 2 3 7
7. vertex 7 adjacent to 1 2 4 6

- Singular graph with $|Aut(CUTP(G))| = 55296$ and $|ARes(G)| = 768$:

1. vertex 1 adjacent to 4 5 7
2. vertex 2 adjacent to 6
3. vertex 3 adjacent to 6
4. vertex 4 adjacent to 1 5 7
5. vertex 5 adjacent to 1 4 7
6. vertex 6 adjacent to 2 3 7

7. vertex 7 adjacent to 1 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 442368$ and $|ARes(G)| = 768$:

  1. vertex 1 adjacent to 4 5 7
  2. vertex 2 adjacent to 6 7
  3. vertex 3 adjacent to 6 7
  4. vertex 4 adjacent to 1 5 7
  5. vertex 5 adjacent to 1 4 7
  6. vertex 6 adjacent to 2 3
  7. vertex 7 adjacent to 1 2 3 4 5

- Singular graph with $|Aut(CUTP(G))| = 32768$ and $|ARes(G)| = 256$:

  1. vertex 1 adjacent to 4 5 7
  2. vertex 2 adjacent to 6 7
  3. vertex 3 adjacent to 6 7
  4. vertex 4 adjacent to 1 5 7
  5. vertex 5 adjacent to 1 4
  6. vertex 6 adjacent to 2 3 7
  7. vertex 7 adjacent to 1 2 3 4 6

- Singular graph with $|Aut(CUTP(G))| = 55296$ and $|ARes(G)| = 384$:

  1. vertex 1 adjacent to 4 5 7
  2. vertex 2 adjacent to 6 7
  3. vertex 3 adjacent to 6
  4. vertex 4 adjacent to 1 5 7
  5. vertex 5 adjacent to 1 4 7
  6. vertex 6 adjacent to 2 3 7
  7. vertex 7 adjacent to 1 2 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 147456$ and $|ARes(G)| = 768$:

  1. vertex 1 adjacent to 4 5 7

2. vertex 2 adjacent to 6 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1 5 7
5. vertex 5 adjacent to 1 4 7
6. vertex 6 adjacent to 2 3 7
7. vertex 7 adjacent to 1 2 3 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 1536$ and $|ARes(G)| = 768$:

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 7
3. vertex 3 adjacent to 7
4. vertex 4 adjacent to 1 5 6 7
5. vertex 5 adjacent to 1 4 6 7
6. vertex 6 adjacent to 1 4 5
7. vertex 7 adjacent to 1 2 3 4 5

- Singular graph with $|Aut(CUTP(G))| = 15360$ and $|ARes(G)| = 3072$:

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 7
3. vertex 3 adjacent to 7
4. vertex 4 adjacent to 1 5 6 7
5. vertex 5 adjacent to 1 4 6 7
6. vertex 6 adjacent to 1 4 5 7
7. vertex 7 adjacent to 1 2 3 4 5 6

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

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 6 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1 5 6 7

5. vertex 5 adjacent to 1 4 7
6. vertex 6 adjacent to 1 2 3 4
7. vertex 7 adjacent to 1 2 3 4 5

- Singular graph with $|Aut(CUTP(G))| = 16384$ and $|ARes(G)| = 512$:

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 6 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1 5 6 7
5. vertex 5 adjacent to 1 4
6. vertex 6 adjacent to 1 2 3 4 7
7. vertex 7 adjacent to 1 2 3 4 6

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

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 6 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1 5 6
5. vertex 5 adjacent to 1 4 7
6. vertex 6 adjacent to 1 2 3 4 7
7. vertex 7 adjacent to 1 2 3 5 6

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

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 6 7
3. vertex 3 adjacent to 6
4. vertex 4 adjacent to 1 5 6 7
5. vertex 5 adjacent to 1 4 7
6. vertex 6 adjacent to 1 2 3 4 7
7. vertex 7 adjacent to 1 2 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 2048$ and $|ARes(G)| = 256$:
  1. vertex 1 adjacent to 4 5 6 7
  2. vertex 2 adjacent to 6 7
  3. vertex 3 adjacent to 6 7
  4. vertex 4 adjacent to 1 5 6 7
  5. vertex 5 adjacent to 1 4 7
  6. vertex 6 adjacent to 1 2 3 4 7
  7. vertex 7 adjacent to 1 2 3 4 5 6
- Singular graph with $|Aut(CUTP(G))| = 1536$ and $|ARes(G)| = 384$:
  1. vertex 1 adjacent to 4 5 6 7
  2. vertex 2 adjacent to 6 7
  3. vertex 3 adjacent to 7
  4. vertex 4 adjacent to 1 5 6 7
  5. vertex 5 adjacent to 1 4 6 7
  6. vertex 6 adjacent to 1 2 4 5
  7. vertex 7 adjacent to 1 2 3 4 5
- Singular graph with $|Aut(CUTP(G))| = 15360$ and $|ARes(G)| = 768$:
  1. vertex 1 adjacent to 4 5 6 7
  2. vertex 2 adjacent to 6
  3. vertex 3 adjacent to 7
  4. vertex 4 adjacent to 1 5 6 7
  5. vertex 5 adjacent to 1 4 6 7
  6. vertex 6 adjacent to 1 2 4 5 7
  7. vertex 7 adjacent to 1 3 4 5 6
- Singular graph with $|Aut(CUTP(G))| = 1536$ and $|ARes(G)| = 384$:
  1. vertex 1 adjacent to 4 5 6 7
  2. vertex 2 adjacent to 6 7

3. vertex 3 adjacent to 7
4. vertex 4 adjacent to 1 5 6 7
5. vertex 5 adjacent to 1 4 6 7
6. vertex 6 adjacent to 1 2 4 5 7
7. vertex 7 adjacent to 1 2 3 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 12288$ and $|ARes(G)| = 1536$:

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 6 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1 5 6 7
5. vertex 5 adjacent to 1 4 6 7
6. vertex 6 adjacent to 1 2 3 4 5
7. vertex 7 adjacent to 1 2 3 4 5

- Singular graph with $|Aut(CUTP(G))| = 12288$ and $|ARes(G)| = 1536$:

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 6 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1 5 6 7
5. vertex 5 adjacent to 1 4 6 7
6. vertex 6 adjacent to 1 2 3 4 5 7
7. vertex 7 adjacent to 1 2 3 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 1024$ and $|ARes(G)| = 512$:

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 5 6 7
4. vertex 4 adjacent to 1 7
5. vertex 5 adjacent to 1 2 3

6. vertex 6 adjacent to 1 2 3
7. vertex 7 adjacent to 1 2 3 4

- Singular graph with $|Aut(CUTP(G))| = 768$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 5 6 7
4. vertex 4 adjacent to 1
5. vertex 5 adjacent to 1 2 3 7
6. vertex 6 adjacent to 1 2 3
7. vertex 7 adjacent to 1 2 3 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 5 6 7
3. vertex 3 adjacent to 5 6 7
4. vertex 4 adjacent to 1 7
5. vertex 5 adjacent to 1 2 3 7
6. vertex 6 adjacent to 1 2 3
7. vertex 7 adjacent to 2 3 4 5

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

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 5 6
4. vertex 4 adjacent to 1
5. vertex 5 adjacent to 1 2 3 7
6. vertex 6 adjacent to 1 2 3 7
7. vertex 7 adjacent to 1 2 5 6

- Singular graph with $|Aut(CUTP(G))| = 512$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 4 5 6
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 5 6 7
4. vertex 4 adjacent to 1
5. vertex 5 adjacent to 1 2 3 7
6. vertex 6 adjacent to 1 2 3 7
7. vertex 7 adjacent to 2 3 5 6

- Singular graph with $|Aut(CUTP(G))| = 16384$ and $|ARes(G)| = 512$:

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 5 6
3. vertex 3 adjacent to 5 6
4. vertex 4 adjacent to 1 7
5. vertex 5 adjacent to 1 2 3 7
6. vertex 6 adjacent to 1 2 3 7
7. vertex 7 adjacent to 1 4 5 6

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

1. vertex 1 adjacent to 4 5 6
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 5 6
4. vertex 4 adjacent to 1 7
5. vertex 5 adjacent to 1 2 3 7
6. vertex 6 adjacent to 1 2 3 7
7. vertex 7 adjacent to 2 4 5 6

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

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 5 6 7

4. vertex 4 adjacent to 1 7
5. vertex 5 adjacent to 1 2 3 7
6. vertex 6 adjacent to 1 2 3
7. vertex 7 adjacent to 1 2 3 4 5

- Singular graph with $|Aut(CUTP(G))| = 768$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 5 6 7
4. vertex 4 adjacent to 1
5. vertex 5 adjacent to 1 2 3 7
6. vertex 6 adjacent to 1 2 3 7
7. vertex 7 adjacent to 1 2 3 5 6

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

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 5 6
4. vertex 4 adjacent to 1 7
5. vertex 5 adjacent to 1 2 3 7
6. vertex 6 adjacent to 1 2 3 7
7. vertex 7 adjacent to 1 2 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 512$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 4 5 6
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 5 6 7
4. vertex 4 adjacent to 1 7
5. vertex 5 adjacent to 1 2 3 7
6. vertex 6 adjacent to 1 2 3 7

7. vertex 7 adjacent to 2 3 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 512$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 5 6 7
4. vertex 4 adjacent to 1 7
5. vertex 5 adjacent to 1 2 3 7
6. vertex 6 adjacent to 1 2 3 7
7. vertex 7 adjacent to 1 2 3 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 1024$ and $|ARes(G)| = 512$:

1. vertex 1 adjacent to 4 5 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 5 6 7
4. vertex 4 adjacent to 1 6
5. vertex 5 adjacent to 1 2 3
6. vertex 6 adjacent to 2 3 4
7. vertex 7 adjacent to 1 2 3

- Singular graph with $|Aut(CUTP(G))| = 512$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 4 5 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 5 6 7
4. vertex 4 adjacent to 1 6
5. vertex 5 adjacent to 1 2 3 7
6. vertex 6 adjacent to 2 3 4
7. vertex 7 adjacent to 1 2 3 5

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

1. vertex 1 adjacent to 4 5 7

2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 5 6
4. vertex 4 adjacent to 1 6
5. vertex 5 adjacent to 1 2 3 7
6. vertex 6 adjacent to 2 3 4 7
7. vertex 7 adjacent to 1 2 5 6

- Singular graph with $|Aut(CUTP(G))| = 1536$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 4 5
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 5 6 7
4. vertex 4 adjacent to 1 6
5. vertex 5 adjacent to 1 2 3 7
6. vertex 6 adjacent to 2 3 4 7
7. vertex 7 adjacent to 2 3 5 6

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

1. vertex 1 adjacent to 4 5 7
2. vertex 2 adjacent to 5 6
3. vertex 3 adjacent to 5 6
4. vertex 4 adjacent to 1 6 7
5. vertex 5 adjacent to 1 2 3 7
6. vertex 6 adjacent to 2 3 4 7
7. vertex 7 adjacent to 1 4 5 6

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

1. vertex 1 adjacent to 4 5 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 5 6 7
4. vertex 4 adjacent to 1 6

5. vertex 5 adjacent to 1 2 3 7
6. vertex 6 adjacent to 2 3 4 7
7. vertex 7 adjacent to 1 2 3 5 6

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

1. vertex 1 adjacent to 4 5 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 5 6
4. vertex 4 adjacent to 1 6 7
5. vertex 5 adjacent to 1 2 3 7
6. vertex 6 adjacent to 2 3 4 7
7. vertex 7 adjacent to 1 2 4 5 6

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

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 5 6 7
4. vertex 4 adjacent to 1 7
5. vertex 5 adjacent to 1 2 3 6 7
6. vertex 6 adjacent to 1 2 3 5
7. vertex 7 adjacent to 1 2 3 4 5

- Singular graph with $|Aut(CUTP(G))| = 2304$ and $|ARes(G)| = 768$:

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 5 6 7
4. vertex 4 adjacent to 1
5. vertex 5 adjacent to 1 2 3 6 7
6. vertex 6 adjacent to 1 2 3 5 7
7. vertex 7 adjacent to 1 2 3 5 6

- Singular graph with $|Aut(CUTP(G))| = 512$ and $|ARes(G)| = 128$:
  1. vertex 1 adjacent to 4 5 6 7
  2. vertex 2 adjacent to 5 6 7
  3. vertex 3 adjacent to 5 6
  4. vertex 4 adjacent to 1 7
  5. vertex 5 adjacent to 1 2 3 6 7
  6. vertex 6 adjacent to 1 2 3 5 7
  7. vertex 7 adjacent to 1 2 4 5 6
- Singular graph with $|Aut(CUTP(G))| = 512$ and $|ARes(G)| = 256$:
  1. vertex 1 adjacent to 4 5 6
  2. vertex 2 adjacent to 5 6 7
  3. vertex 3 adjacent to 5 6 7
  4. vertex 4 adjacent to 1 7
  5. vertex 5 adjacent to 1 2 3 6 7
  6. vertex 6 adjacent to 1 2 3 5 7
  7. vertex 7 adjacent to 2 3 4 5 6
- Singular graph with $|Aut(CUTP(G))| = 512$ and $|ARes(G)| = 256$:
  1. vertex 1 adjacent to 4 5 6 7
  2. vertex 2 adjacent to 5 6 7
  3. vertex 3 adjacent to 5 6 7
  4. vertex 4 adjacent to 1 7
  5. vertex 5 adjacent to 1 2 3 6 7
  6. vertex 6 adjacent to 1 2 3 5 7
  7. vertex 7 adjacent to 1 2 3 4 5 6
- Singular graph with $|Aut(CUTP(G))| = 128$ and $|ARes(G)| = 64$:
  1. vertex 1 adjacent to 4 5 6 7
  2. vertex 2 adjacent to 5 6 7

3. vertex 3 adjacent to 5 7
4. vertex 4 adjacent to 1 6 7
5. vertex 5 adjacent to 1 2 3 6 7
6. vertex 6 adjacent to 1 2 4 5
7. vertex 7 adjacent to 1 2 3 4 5

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

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 5 7
4. vertex 4 adjacent to 1 6 7
5. vertex 5 adjacent to 1 2 3 6
6. vertex 6 adjacent to 1 2 4 5 7
7. vertex 7 adjacent to 1 2 3 4 6

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

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 5
4. vertex 4 adjacent to 1 6 7
5. vertex 5 adjacent to 1 2 3 6 7
6. vertex 6 adjacent to 1 2 4 5 7
7. vertex 7 adjacent to 1 2 4 5 6

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

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 5 6
3. vertex 3 adjacent to 5 7
4. vertex 4 adjacent to 1 6 7
5. vertex 5 adjacent to 1 2 3 6 7

6. vertex 6 adjacent to 1 2 4 5 7
7. vertex 7 adjacent to 1 3 4 5 6

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

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 5 7
4. vertex 4 adjacent to 1 6 7
5. vertex 5 adjacent to 1 2 3 6 7
6. vertex 6 adjacent to 1 2 4 5 7
7. vertex 7 adjacent to 1 2 3 4 5 6

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

1. vertex 1 adjacent to 4 5 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 5 6
4. vertex 4 adjacent to 1 6 7
5. vertex 5 adjacent to 1 2 3 6 7
6. vertex 6 adjacent to 2 3 4 5 7
7. vertex 7 adjacent to 1 2 4 5 6

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

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1 5
5. vertex 5 adjacent to 1 2 4 7
6. vertex 6 adjacent to 1 2 3
7. vertex 7 adjacent to 1 2 3 5

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

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 6
4. vertex 4 adjacent to 1 5 7
5. vertex 5 adjacent to 1 2 4 7
6. vertex 6 adjacent to 1 2 3
7. vertex 7 adjacent to 1 2 4 5

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

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 5 6
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1 5 7
5. vertex 5 adjacent to 1 2 4 7
6. vertex 6 adjacent to 1 2 3
7. vertex 7 adjacent to 1 3 4 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 5 6 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1 5 7
5. vertex 5 adjacent to 1 2 4 7
6. vertex 6 adjacent to 1 2 3
7. vertex 7 adjacent to 2 3 4 5

- Singular graph with $|Aut(CUTP(G))| = 2048$ and $|ARes(G)| = 128$:

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 6 7

4. vertex 4 adjacent to 1 5
5. vertex 5 adjacent to 1 2 4
6. vertex 6 adjacent to 1 2 3 7
7. vertex 7 adjacent to 1 2 3 6

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

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 6
4. vertex 4 adjacent to 1 5 7
5. vertex 5 adjacent to 1 2 4
6. vertex 6 adjacent to 1 2 3 7
7. vertex 7 adjacent to 1 2 4 6

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

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 5 6
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1 5 7
5. vertex 5 adjacent to 1 2 4
6. vertex 6 adjacent to 1 2 3 7
7. vertex 7 adjacent to 1 3 4 6

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

1. vertex 1 adjacent to 4 5 6
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1 5 7
5. vertex 5 adjacent to 1 2 4
6. vertex 6 adjacent to 1 2 3 7

7. vertex 7 adjacent to 2 3 4 6

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

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 5 6
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1 5
5. vertex 5 adjacent to 1 2 4 7
6. vertex 6 adjacent to 1 2 3 7
7. vertex 7 adjacent to 1 3 5 6

- 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 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1 5
5. vertex 5 adjacent to 1 2 4 7
6. vertex 6 adjacent to 1 2 3 7
7. vertex 7 adjacent to 2 3 5 6

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

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 5 6
3. vertex 3 adjacent to 6
4. vertex 4 adjacent to 1 5 7
5. vertex 5 adjacent to 1 2 4 7
6. vertex 6 adjacent to 1 2 3 7
7. vertex 7 adjacent to 1 4 5 6

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

1. vertex 1 adjacent to 4 5 6

2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 6
4. vertex 4 adjacent to 1 5 7
5. vertex 5 adjacent to 1 2 4 7
6. vertex 6 adjacent to 1 2 3 7
7. vertex 7 adjacent to 2 4 5 6

- 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 7
4. vertex 4 adjacent to 1 5 7
5. vertex 5 adjacent to 1 2 4 7
6. vertex 6 adjacent to 1 2 3 7
7. vertex 7 adjacent to 3 4 5 6

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

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1 5 7
5. vertex 5 adjacent to 1 2 4 7
6. vertex 6 adjacent to 1 2 3
7. vertex 7 adjacent to 1 2 3 4 5

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

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1 5 7

5. vertex 5 adjacent to 1 2 4
6. vertex 6 adjacent to 1 2 3 7
7. vertex 7 adjacent to 1 2 3 4 6

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

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1 5
5. vertex 5 adjacent to 1 2 4 7
6. vertex 6 adjacent to 1 2 3 7
7. vertex 7 adjacent to 1 2 3 5 6

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

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 6
4. vertex 4 adjacent to 1 5 7
5. vertex 5 adjacent to 1 2 4 7
6. vertex 6 adjacent to 1 2 3 7
7. vertex 7 adjacent to 1 2 4 5 6

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

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 5 6
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1 5 7
5. vertex 5 adjacent to 1 2 4 7
6. vertex 6 adjacent to 1 2 3 7
7. vertex 7 adjacent to 1 3 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 128$ and $|ARes(G)| = 64$:
  1. vertex 1 adjacent to 4 5 6
  2. vertex 2 adjacent to 5 6 7
  3. vertex 3 adjacent to 6 7
  4. vertex 4 adjacent to 1 5 7
  5. vertex 5 adjacent to 1 2 4 7
  6. vertex 6 adjacent to 1 2 3 7
  7. vertex 7 adjacent to 2 3 4 5 6
- Singular graph with $|Aut(CUTP(G))| = 128$ and $|ARes(G)| = 64$:
  1. vertex 1 adjacent to 4 5 6 7
  2. vertex 2 adjacent to 5 6 7
  3. vertex 3 adjacent to 6 7
  4. vertex 4 adjacent to 1 5 7
  5. vertex 5 adjacent to 1 2 4 7
  6. vertex 6 adjacent to 1 2 3 7
  7. vertex 7 adjacent to 1 2 3 4 5 6
- Singular graph with $|Aut(CUTP(G))| = 8192$ and $|ARes(G)| = 256$:
  1. vertex 1 adjacent to 4 5 6
  2. vertex 2 adjacent to 5 6 7
  3. vertex 3 adjacent to 7
  4. vertex 4 adjacent to 1 5 6
  5. vertex 5 adjacent to 1 2 4 7
  6. vertex 6 adjacent to 1 2 4 7
  7. vertex 7 adjacent to 2 3 5 6
- Singular graph with $|Aut(CUTP(G))| = 512$ and $|ARes(G)| = 128$:
  1. vertex 1 adjacent to 4 5 6 7
  2. vertex 2 adjacent to 5 6 7

3. vertex 3 adjacent to 7
4. vertex 4 adjacent to 1 5 6 7
5. vertex 5 adjacent to 1 2 4 7
6. vertex 6 adjacent to 1 2 4
7. vertex 7 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 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 7
4. vertex 4 adjacent to 1 5 6
5. vertex 5 adjacent to 1 2 4 7
6. vertex 6 adjacent to 1 2 4 7
7. vertex 7 adjacent to 1 2 3 5 6

- Singular graph with $|Aut(CUTP(G))| = 1536$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 5 6
3. vertex 3 adjacent to 7
4. vertex 4 adjacent to 1 5 6 7
5. vertex 5 adjacent to 1 2 4 7
6. vertex 6 adjacent to 1 2 4 7
7. vertex 7 adjacent to 1 3 4 5 6

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

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 5
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1 5 6 7
5. vertex 5 adjacent to 1 2 4 7

6. vertex 6 adjacent to 1 3 4
7. vertex 7 adjacent to 1 3 4 5

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

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 5 7
3. vertex 3 adjacent to 6
4. vertex 4 adjacent to 1 5 6
5. vertex 5 adjacent to 1 2 4 7
6. vertex 6 adjacent to 1 3 4 7
7. vertex 7 adjacent to 1 2 5 6

- 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 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1 5 6
5. vertex 5 adjacent to 1 2 4 7
6. vertex 6 adjacent to 1 3 4 7
7. vertex 7 adjacent to 2 3 5 6

- Singular graph with $|Aut(CUTP(G))| = 1536$ and $|ARes(G)| = 768$:

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 5
3. vertex 3 adjacent to 6
4. vertex 4 adjacent to 1 5 6 7
5. vertex 5 adjacent to 1 2 4 7
6. vertex 6 adjacent to 1 3 4 7
7. vertex 7 adjacent to 1 4 5 6

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

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 5 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1 5 6 7
5. vertex 5 adjacent to 1 2 4 7
6. vertex 6 adjacent to 1 3 4
7. vertex 7 adjacent to 1 2 3 4 5

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

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 5 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1 5 6
5. vertex 5 adjacent to 1 2 4 7
6. vertex 6 adjacent to 1 3 4 7
7. vertex 7 adjacent to 1 2 3 5 6

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

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 5 7
3. vertex 3 adjacent to 6
4. vertex 4 adjacent to 1 5 6 7
5. vertex 5 adjacent to 1 2 4 7
6. vertex 6 adjacent to 1 3 4 7
7. vertex 7 adjacent to 1 2 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 1024$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 5 7
3. vertex 3 adjacent to 6 7

4. vertex 4 adjacent to 1 5 6 7
5. vertex 5 adjacent to 1 2 4 7
6. vertex 6 adjacent to 1 3 4 7
7. vertex 7 adjacent to 1 2 3 4 5 6

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

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1 5 6 7
5. vertex 5 adjacent to 1 2 4 7
6. vertex 6 adjacent to 1 2 3 4
7. vertex 7 adjacent to 1 2 3 4 5

- Singular graph with $|Aut(CUTP(G))| = 512$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1 5 6 7
5. vertex 5 adjacent to 1 2 4
6. vertex 6 adjacent to 1 2 3 4 7
7. vertex 7 adjacent to 1 2 3 4 6

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

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 5 6
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1 5 6 7
5. vertex 5 adjacent to 1 2 4 7
6. vertex 6 adjacent to 1 2 3 4 7

7. vertex 7 adjacent to 1 3 4 5 6

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

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1 5 6 7
5. vertex 5 adjacent to 1 2 4 7
6. vertex 6 adjacent to 1 2 3 4 7
7. vertex 7 adjacent to 1 2 3 4 5 6

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

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 7
4. vertex 4 adjacent to 1 5 6 7
5. vertex 5 adjacent to 1 2 4 6 7
6. vertex 6 adjacent to 1 2 4 5
7. vertex 7 adjacent to 1 2 3 4 5

- Singular graph with $|Aut(CUTP(G))| = 1536$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 5 6
3. vertex 3 adjacent to 7
4. vertex 4 adjacent to 1 5 6 7
5. vertex 5 adjacent to 1 2 4 6 7
6. vertex 6 adjacent to 1 2 4 5 7
7. vertex 7 adjacent to 1 3 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 768$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 4 5 6 7

2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 7
4. vertex 4 adjacent to 1 5 6 7
5. vertex 5 adjacent to 1 2 4 6 7
6. vertex 6 adjacent to 1 2 4 5 7
7. vertex 7 adjacent to 1 2 3 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 1024$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 5 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1 5 6 7
5. vertex 5 adjacent to 1 2 4 6 7
6. vertex 6 adjacent to 1 3 4 5 7
7. vertex 7 adjacent to 1 2 3 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 512$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1 5 6 7
5. vertex 5 adjacent to 1 2 4 6 7
6. vertex 6 adjacent to 1 2 3 4 5 7
7. vertex 7 adjacent to 1 2 3 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 512$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 5 6 7
3. vertex 3 adjacent to 5 6
4. vertex 4 adjacent to 1 5 6 7

5. vertex 5 adjacent to 1 2 3 4 7
6. vertex 6 adjacent to 1 2 3 4 7
7. vertex 7 adjacent to 1 2 4 5 6

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

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 4 5 6 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1 2 6 7
5. vertex 5 adjacent to 1 2 7
6. vertex 6 adjacent to 1 2 3 4
7. vertex 7 adjacent to 1 2 3 4 5

- Singular graph with $|Aut(CUTP(G))| = 1024$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 4 5 6 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1 2 6 7
5. vertex 5 adjacent to 1 2
6. vertex 6 adjacent to 1 2 3 4 7
7. vertex 7 adjacent to 1 2 3 4 6

- Singular graph with $|Aut(CUTP(G))| = 512$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 4 5 6 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1 2 6
5. vertex 5 adjacent to 1 2 7
6. vertex 6 adjacent to 1 2 3 4 7
7. vertex 7 adjacent to 1 2 3 5 6

- Singular graph with $|Aut(CUTP(G))| = 256$ and $|ARes(G)| = 128$:
  1. vertex 1 adjacent to 4 5 6 7
  2. vertex 2 adjacent to 4 5 6 7
  3. vertex 3 adjacent to 6
  4. vertex 4 adjacent to 1 2 6 7
  5. vertex 5 adjacent to 1 2 7
  6. vertex 6 adjacent to 1 2 3 4 7
  7. vertex 7 adjacent to 1 2 4 5 6
- Singular graph with $|Aut(CUTP(G))| = 256$ and $|ARes(G)| = 128$:
  1. vertex 1 adjacent to 4 5 6 7
  2. vertex 2 adjacent to 4 5 6
  3. vertex 3 adjacent to 6 7
  4. vertex 4 adjacent to 1 2 6 7
  5. vertex 5 adjacent to 1 2 7
  6. vertex 6 adjacent to 1 2 3 4 7
  7. vertex 7 adjacent to 1 3 4 5 6
- Singular graph with $|Aut(CUTP(G))| = 256$ and $|ARes(G)| = 128$:
  1. vertex 1 adjacent to 4 5 6 7
  2. vertex 2 adjacent to 4 5 6 7
  3. vertex 3 adjacent to 6 7
  4. vertex 4 adjacent to 1 2 6 7
  5. vertex 5 adjacent to 1 2 7
  6. vertex 6 adjacent to 1 2 3 4 7
  7. vertex 7 adjacent to 1 2 3 4 5 6
- Singular graph with $|Aut(CUTP(G))| = 3072$ and $|ARes(G)| = 512$:
  1. vertex 1 adjacent to 4 5 6 7
  2. vertex 2 adjacent to 4 5 6 7

3. vertex 3 adjacent to 7
4. vertex 4 adjacent to 1 2 6 7
5. vertex 5 adjacent to 1 2 6 7
6. vertex 6 adjacent to 1 2 4 5
7. vertex 7 adjacent to 1 2 3 4 5

- Singular graph with $|Aut(CUTP(G))| = 1024$ and $|ARes(G)| = 512$:

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 4 5 6 7
3. vertex 3 adjacent to 7
4. vertex 4 adjacent to 1 2 6 7
5. vertex 5 adjacent to 1 2 6 7
6. vertex 6 adjacent to 1 2 4 5 7
7. vertex 7 adjacent to 1 2 3 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 2048$ and $|ARes(G)| = 1024$:

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 4 5 6 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1 2 6 7
5. vertex 5 adjacent to 1 2 6 7
6. vertex 6 adjacent to 1 2 3 4 5
7. vertex 7 adjacent to 1 2 3 4 5

- Singular graph with $|Aut(CUTP(G))| = 2048$ and $|ARes(G)| = 1024$:

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 4 5 6 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1 2 6 7
5. vertex 5 adjacent to 1 2 6 7

6. vertex 6 adjacent to 1 2 3 4 5 7
7. vertex 7 adjacent to 1 2 3 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 3072$ and $|ARes(G)| = 384$:

1. vertex 1 adjacent to 4 5 7
2. vertex 2 adjacent to 4 6 7
3. vertex 3 adjacent to 5 6 7
4. vertex 4 adjacent to 1 2
5. vertex 5 adjacent to 1 3
6. vertex 6 adjacent to 2 3
7. vertex 7 adjacent to 1 2 3

- Singular graph with $|Aut(CUTP(G))| = 12288$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 4 5 7
2. vertex 2 adjacent to 4 6 7
3. vertex 3 adjacent to 5 6
4. vertex 4 adjacent to 1 2 7
5. vertex 5 adjacent to 1 3
6. vertex 6 adjacent to 2 3
7. vertex 7 adjacent to 1 2 4

- Singular graph with $|Aut(CUTP(G))| = 768$ and $|ARes(G)| = 64$:

1. vertex 1 adjacent to 4 5 7
2. vertex 2 adjacent to 4 6
3. vertex 3 adjacent to 5 6 7
4. vertex 4 adjacent to 1 2 7
5. vertex 5 adjacent to 1 3
6. vertex 6 adjacent to 2 3
7. vertex 7 adjacent to 1 3 4

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

1. vertex 1 adjacent to 4 5 7
2. vertex 2 adjacent to 4 6 7
3. vertex 3 adjacent to 5 6 7
4. vertex 4 adjacent to 1 2 7
5. vertex 5 adjacent to 1 3
6. vertex 6 adjacent to 2 3
7. vertex 7 adjacent to 1 2 3 4

- Singular graph with $|Aut(CUTP(G))| = 768$ and $|ARes(G)| = 128$:

1. vertex 1 adjacent to 4 5 7
2. vertex 2 adjacent to 4 6 7
3. vertex 3 adjacent to 5 6
4. vertex 4 adjacent to 1 2 7
5. vertex 5 adjacent to 1 3 7
6. vertex 6 adjacent to 2 3
7. vertex 7 adjacent to 1 2 4 5

- Singular graph with $|Aut(CUTP(G))| = 1024$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 4 5
2. vertex 2 adjacent to 4 6 7
3. vertex 3 adjacent to 5 6 7
4. vertex 4 adjacent to 1 2 7
5. vertex 5 adjacent to 1 3 7
6. vertex 6 adjacent to 2 3
7. vertex 7 adjacent to 2 3 4 5

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

1. vertex 1 adjacent to 4 5 7
2. vertex 2 adjacent to 4 6 7
3. vertex 3 adjacent to 5 6 7

4. vertex 4 adjacent to 1 2 7
5. vertex 5 adjacent to 1 3 7
6. vertex 6 adjacent to 2 3
7. vertex 7 adjacent to 1 2 3 4 5

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

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 4 6 7
3. vertex 3 adjacent to 5 6 7
4. vertex 4 adjacent to 1 2 7
5. vertex 5 adjacent to 1 3
6. vertex 6 adjacent to 1 2 3
7. vertex 7 adjacent to 1 2 3 4

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

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 4 6 7
3. vertex 3 adjacent to 5 6
4. vertex 4 adjacent to 1 2 7
5. vertex 5 adjacent to 1 3 7
6. vertex 6 adjacent to 1 2 3
7. vertex 7 adjacent to 1 2 4 5

- Singular graph with $|Aut(CUTP(G))| = 1024$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 4 6 7
3. vertex 3 adjacent to 5 6 7
4. vertex 4 adjacent to 1 2
5. vertex 5 adjacent to 1 3
6. vertex 6 adjacent to 1 2 3 7

7. vertex 7 adjacent to 1 2 3 6

- Singular graph with $|Aut(CUTP(G))| = 768$ and $|ARes(G)| = 128$:

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 4 6 7
3. vertex 3 adjacent to 5 6
4. vertex 4 adjacent to 1 2 7
5. vertex 5 adjacent to 1 3
6. vertex 6 adjacent to 1 2 3 7
7. vertex 7 adjacent to 1 2 4 6

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

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 4 6
3. vertex 3 adjacent to 5 6 7
4. vertex 4 adjacent to 1 2 7
5. vertex 5 adjacent to 1 3
6. vertex 6 adjacent to 1 2 3 7
7. vertex 7 adjacent to 1 3 4 6

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

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 4 6 7
3. vertex 3 adjacent to 5 6 7
4. vertex 4 adjacent to 1 2 7
5. vertex 5 adjacent to 1 3
6. vertex 6 adjacent to 1 2 3 7
7. vertex 7 adjacent to 1 2 3 4 6

- Singular graph with $|Aut(CUTP(G))| = 512$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 4 5 6

2. vertex 2 adjacent to 4 7
3. vertex 3 adjacent to 5 6 7
4. vertex 4 adjacent to 1 2 6 7
5. vertex 5 adjacent to 1 3 7
6. vertex 6 adjacent to 1 3 4
7. vertex 7 adjacent to 2 3 4 5

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

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 4
3. vertex 3 adjacent to 5 6 7
4. vertex 4 adjacent to 1 2 6
5. vertex 5 adjacent to 1 3 7
6. vertex 6 adjacent to 1 3 4 7
7. vertex 7 adjacent to 1 3 5 6

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

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 4 7
3. vertex 3 adjacent to 5 6 7
4. vertex 4 adjacent to 1 2 6 7
5. vertex 5 adjacent to 1 3 7
6. vertex 6 adjacent to 1 3 4
7. vertex 7 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 7
2. vertex 2 adjacent to 4 7
3. vertex 3 adjacent to 5 6 7
4. vertex 4 adjacent to 1 2 6 7

5. vertex 5 adjacent to 1 3
6. vertex 6 adjacent to 1 3 4 7
7. vertex 7 adjacent to 1 2 3 4 6

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

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 4 7
3. vertex 3 adjacent to 5 6 7
4. vertex 4 adjacent to 1 2 6
5. vertex 5 adjacent to 1 3 7
6. vertex 6 adjacent to 1 3 4 7
7. vertex 7 adjacent to 1 2 3 5 6

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

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 4 7
3. vertex 3 adjacent to 5 6 7
4. vertex 4 adjacent to 1 2 6 7
5. vertex 5 adjacent to 1 3 7
6. vertex 6 adjacent to 1 3 4 7
7. vertex 7 adjacent to 1 2 3 4 5 6

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

1. vertex 1 adjacent to 4 5 7
2. vertex 2 adjacent to 4 6 7
3. vertex 3 adjacent to 5 6 7
4. vertex 4 adjacent to 1 2 6
5. vertex 5 adjacent to 1 3
6. vertex 6 adjacent to 2 3 4
7. vertex 7 adjacent to 1 2 3

- Singular graph with $|Aut(CUTP(G))| = 512$ and $|ARes(G)| = 256$:
  1. vertex 1 adjacent to 4 5 7
  2. vertex 2 adjacent to 4 6 7
  3. vertex 3 adjacent to 5 6
  4. vertex 4 adjacent to 1 2 6
  5. vertex 5 adjacent to 1 3 7
  6. vertex 6 adjacent to 2 3 4
  7. vertex 7 adjacent to 1 2 5
- Singular graph with $|Aut(CUTP(G))| = 256$ and $|ARes(G)| = 128$:
  1. vertex 1 adjacent to 4 5 7
  2. vertex 2 adjacent to 4 6 7
  3. vertex 3 adjacent to 5 6
  4. vertex 4 adjacent to 1 2 6 7
  5. vertex 5 adjacent to 1 3 7
  6. vertex 6 adjacent to 2 3 4
  7. vertex 7 adjacent to 1 2 4 5
- Singular graph with $|Aut(CUTP(G))| = 256$ and $|ARes(G)| = 64$:
  1. vertex 1 adjacent to 4 5 7
  2. vertex 2 adjacent to 4 6
  3. vertex 3 adjacent to 5 6 7
  4. vertex 4 adjacent to 1 2 6 7
  5. vertex 5 adjacent to 1 3 7
  6. vertex 6 adjacent to 2 3 4
  7. vertex 7 adjacent to 1 3 4 5
- Singular graph with $|Aut(CUTP(G))| = 128$ and $|ARes(G)| = 64$:
  1. vertex 1 adjacent to 4 5
  2. vertex 2 adjacent to 4 6 7

3. vertex 3 adjacent to 5 6 7
4. vertex 4 adjacent to 1 2 6 7
5. vertex 5 adjacent to 1 3 7
6. vertex 6 adjacent to 2 3 4
7. vertex 7 adjacent to 2 3 4 5

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

1. vertex 1 adjacent to 4 5 7
2. vertex 2 adjacent to 4 6
3. vertex 3 adjacent to 5 6 7
4. vertex 4 adjacent to 1 2 6 7
5. vertex 5 adjacent to 1 3
6. vertex 6 adjacent to 2 3 4 7
7. vertex 7 adjacent to 1 3 4 6

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

1. vertex 1 adjacent to 4 5 7
2. vertex 2 adjacent to 4 6 7
3. vertex 3 adjacent to 5 6 7
4. vertex 4 adjacent to 1 2 6 7
5. vertex 5 adjacent to 1 3
6. vertex 6 adjacent to 2 3 4 7
7. vertex 7 adjacent to 1 2 3 4 6

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

1. vertex 1 adjacent to 4 5 7
2. vertex 2 adjacent to 4 6 7
3. vertex 3 adjacent to 5 6
4. vertex 4 adjacent to 1 2 6 7
5. vertex 5 adjacent to 1 3 7

6. vertex 6 adjacent to 2 3 4 7
7. vertex 7 adjacent to 1 2 4 5 6

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

1. vertex 1 adjacent to 4 5 7
2. vertex 2 adjacent to 4 6
3. vertex 3 adjacent to 5 6 7
4. vertex 4 adjacent to 1 2 6 7
5. vertex 5 adjacent to 1 3 7
6. vertex 6 adjacent to 2 3 4 7
7. vertex 7 adjacent to 1 3 4 5 6

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

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 4 6 7
3. vertex 3 adjacent to 5 6 7
4. vertex 4 adjacent to 1 2 6 7
5. vertex 5 adjacent to 1 3
6. vertex 6 adjacent to 1 2 3 4 7
7. vertex 7 adjacent to 1 2 3 4 6

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

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 4 6 7
3. vertex 3 adjacent to 5 6
4. vertex 4 adjacent to 1 2 6 7
5. vertex 5 adjacent to 1 3 7
6. vertex 6 adjacent to 1 2 3 4 7
7. vertex 7 adjacent to 1 2 4 5 6

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

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 4 6
3. vertex 3 adjacent to 5 6 7
4. vertex 4 adjacent to 1 2 6 7
5. vertex 5 adjacent to 1 3 7
6. vertex 6 adjacent to 1 2 3 4 7
7. vertex 7 adjacent to 1 3 4 5 6

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

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 4 6 7
3. vertex 3 adjacent to 5 7
4. vertex 4 adjacent to 1 2 6 7
5. vertex 5 adjacent to 1 3 6 7
6. vertex 6 adjacent to 1 2 4 5
7. vertex 7 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 7
2. vertex 2 adjacent to 4 6 7
3. vertex 3 adjacent to 5
4. vertex 4 adjacent to 1 2 6 7
5. vertex 5 adjacent to 1 3 6 7
6. vertex 6 adjacent to 1 2 4 5 7
7. vertex 7 adjacent to 1 2 4 5 6

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

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 4 6
3. vertex 3 adjacent to 5 7

4. vertex 4 adjacent to 1 2 6 7
5. vertex 5 adjacent to 1 3 6 7
6. vertex 6 adjacent to 1 2 4 5 7
7. vertex 7 adjacent to 1 3 4 5 6

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

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 4 6 7
3. vertex 3 adjacent to 5 7
4. vertex 4 adjacent to 1 2 6 7
5. vertex 5 adjacent to 1 3 6 7
6. vertex 6 adjacent to 1 2 4 5 7
7. vertex 7 adjacent to 1 2 3 4 5 6

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

1. vertex 1 adjacent to 4 5 7
2. vertex 2 adjacent to 4 6 7
3. vertex 3 adjacent to 5 6
4. vertex 4 adjacent to 1 2 6 7
5. vertex 5 adjacent to 1 3 6 7
6. vertex 6 adjacent to 2 3 4 5
7. vertex 7 adjacent to 1 2 4 5

- Singular graph with $|Aut(CUTP(G))| = 512$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 4 5
2. vertex 2 adjacent to 4 6 7
3. vertex 3 adjacent to 5 6 7
4. vertex 4 adjacent to 1 2 6 7
5. vertex 5 adjacent to 1 3 6 7
6. vertex 6 adjacent to 2 3 4 5

7. vertex 7 adjacent to 2 3 4 5

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

1. vertex 1 adjacent to 4 5 7
2. vertex 2 adjacent to 4 6 7
3. vertex 3 adjacent to 5 6
4. vertex 4 adjacent to 1 2 6 7
5. vertex 5 adjacent to 1 3 6 7
6. vertex 6 adjacent to 2 3 4 5 7
7. vertex 7 adjacent to 1 2 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 512$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 4 5
2. vertex 2 adjacent to 4 6 7
3. vertex 3 adjacent to 5 6 7
4. vertex 4 adjacent to 1 2 6 7
5. vertex 5 adjacent to 1 3 6 7
6. vertex 6 adjacent to 2 3 4 5 7
7. vertex 7 adjacent to 2 3 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 512$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 4 5 6 7
3. vertex 3 adjacent to 5 6 7
4. vertex 4 adjacent to 1 2
5. vertex 5 adjacent to 1 2 3 7
6. vertex 6 adjacent to 1 2 3
7. vertex 7 adjacent to 1 2 3 5

- Singular graph with $|Aut(CUTP(G))| = 2048$ and $|ARes(G)| = 512$:

1. vertex 1 adjacent to 4 5 6 7

2. vertex 2 adjacent to 4 5 6 7
3. vertex 3 adjacent to 5 6
4. vertex 4 adjacent to 1 2
5. vertex 5 adjacent to 1 2 3 7
6. vertex 6 adjacent to 1 2 3 7
7. vertex 7 adjacent to 1 2 5 6

- Singular graph with $|Aut(CUTP(G))| = 512$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 4 5 6 7
3. vertex 3 adjacent to 5 6 7
4. vertex 4 adjacent to 1 2
5. vertex 5 adjacent to 1 2 3 7
6. vertex 6 adjacent to 1 2 3 7
7. vertex 7 adjacent to 1 2 3 5 6

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

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 4 5 6 7
3. vertex 3 adjacent to 5 7
4. vertex 4 adjacent to 1 2 6 7
5. vertex 5 adjacent to 1 2 3
6. vertex 6 adjacent to 1 2 4
7. vertex 7 adjacent to 1 2 3 4

- Singular graph with $|Aut(CUTP(G))| = 8192$ and $|ARes(G)| = 512$:

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 4 5 6 7
3. vertex 3 adjacent to 5 7
4. vertex 4 adjacent to 1 2 6

5. vertex 5 adjacent to 1 2 3 7
6. vertex 6 adjacent to 1 2 4
7. vertex 7 adjacent to 1 2 3 5

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

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 4 5 6 7
3. vertex 3 adjacent to 5
4. vertex 4 adjacent to 1 2 6 7
5. vertex 5 adjacent to 1 2 3 7
6. vertex 6 adjacent to 1 2 4
7. vertex 7 adjacent to 1 2 4 5

- Singular graph with $|Aut(CUTP(G))| = 1536$ and $|ARes(G)| = 768$:

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 4 5 6 7
3. vertex 3 adjacent to 5
4. vertex 4 adjacent to 1 2 6 7
5. vertex 5 adjacent to 1 2 3
6. vertex 6 adjacent to 1 2 4 7
7. vertex 7 adjacent to 1 2 4 6

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

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 4 5 6
3. vertex 3 adjacent to 5 7
4. vertex 4 adjacent to 1 2 6 7
5. vertex 5 adjacent to 1 2 3
6. vertex 6 adjacent to 1 2 4 7
7. vertex 7 adjacent to 1 3 4 6

- Singular graph with $|Aut(CUTP(G))| = 512$ and $|ARes(G)| = 256$:
  1. vertex 1 adjacent to 4 5 6 7
  2. vertex 2 adjacent to 4 5 6
  3. vertex 3 adjacent to 5
  4. vertex 4 adjacent to 1 2 6 7
  5. vertex 5 adjacent to 1 2 3 7
  6. vertex 6 adjacent to 1 2 4 7
  7. vertex 7 adjacent to 1 4 5 6
- Singular graph with $|Aut(CUTP(G))| = 512$ 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 7
  4. vertex 4 adjacent to 1 2 6 7
  5. vertex 5 adjacent to 1 2 3 7
  6. vertex 6 adjacent to 1 2 4 7
  7. vertex 7 adjacent to 3 4 5 6
- Singular graph with $|Aut(CUTP(G))| = 256$ and $|ARes(G)| = 128$:
  1. vertex 1 adjacent to 4 5 6 7
  2. vertex 2 adjacent to 4 5 6 7
  3. vertex 3 adjacent to 5 7
  4. vertex 4 adjacent to 1 2 6 7
  5. vertex 5 adjacent to 1 2 3 7
  6. vertex 6 adjacent to 1 2 4
  7. vertex 7 adjacent to 1 2 3 4 5
- Singular graph with $|Aut(CUTP(G))| = 512$ and $|ARes(G)| = 256$:
  1. vertex 1 adjacent to 4 5 6 7
  2. vertex 2 adjacent to 4 5 6 7

3. vertex 3 adjacent to 5 7
4. vertex 4 adjacent to 1 2 6 7
5. vertex 5 adjacent to 1 2 3
6. vertex 6 adjacent to 1 2 4 7
7. vertex 7 adjacent to 1 2 3 4 6

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

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 4 5 6
3. vertex 3 adjacent to 5 7
4. vertex 4 adjacent to 1 2 6 7
5. vertex 5 adjacent to 1 2 3 7
6. vertex 6 adjacent to 1 2 4 7
7. vertex 7 adjacent to 1 3 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 512$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 4 5 6 7
3. vertex 3 adjacent to 5 7
4. vertex 4 adjacent to 1 2 6 7
5. vertex 5 adjacent to 1 2 3 7
6. vertex 6 adjacent to 1 2 4 7
7. vertex 7 adjacent to 1 2 3 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 1536$ and $|ARes(G)| = 768$:

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 4 5 6 7
3. vertex 3 adjacent to 5 6 7
4. vertex 4 adjacent to 1 2
5. vertex 5 adjacent to 1 2 3 6 7

6. vertex 6 adjacent to 1 2 3 5 7
7. vertex 7 adjacent to 1 2 3 5 6

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

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 4 5 6 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1 2 5 6 7
5. vertex 5 adjacent to 1 2 4 7
6. vertex 6 adjacent to 1 2 3 4
7. vertex 7 adjacent to 1 2 3 4 5

- Singular graph with $|Aut(CUTP(G))| = 512$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 4 5 6 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1 2 5 6 7
5. vertex 5 adjacent to 1 2 4
6. vertex 6 adjacent to 1 2 3 4 7
7. vertex 7 adjacent to 1 2 3 4 6

- Singular graph with $|Aut(CUTP(G))| = 512$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 4 5 6 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1 2 5 6
5. vertex 5 adjacent to 1 2 4 7
6. vertex 6 adjacent to 1 2 3 4 7
7. vertex 7 adjacent to 1 2 3 5 6

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

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 4 5 6 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1 2 5 6 7
5. vertex 5 adjacent to 1 2 4 7
6. vertex 6 adjacent to 1 2 3 4 7
7. vertex 7 adjacent to 1 2 3 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 1024$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 4 5 6 7
3. vertex 3 adjacent to 7
4. vertex 4 adjacent to 1 2 5 6 7
5. vertex 5 adjacent to 1 2 4 6 7
6. vertex 6 adjacent to 1 2 4 5
7. vertex 7 adjacent to 1 2 3 4 5

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

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 4 5 6
3. vertex 3 adjacent to 7
4. vertex 4 adjacent to 1 2 5 6 7
5. vertex 5 adjacent to 1 2 4 6 7
6. vertex 6 adjacent to 1 2 4 5 7
7. vertex 7 adjacent to 1 3 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 3072$ and $|ARes(G)| = 768$:

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 4 5 6 7
3. vertex 3 adjacent to 7

4. vertex 4 adjacent to 1 2 5 6 7
5. vertex 5 adjacent to 1 2 4 6 7
6. vertex 6 adjacent to 1 2 4 5 7
7. vertex 7 adjacent to 1 2 3 4 5 6

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

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 4 5 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1 2 5 6 7
5. vertex 5 adjacent to 1 2 4 6 7
6. vertex 6 adjacent to 1 3 4 5
7. vertex 7 adjacent to 1 2 3 4 5

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

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 4 5 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1 2 5 6 7
5. vertex 5 adjacent to 1 2 4 6
6. vertex 6 adjacent to 1 3 4 5 7
7. vertex 7 adjacent to 1 2 3 4 6

- Singular graph with $|Aut(CUTP(G))| = 2048$ and $|ARes(G)| = 512$:

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 4 5
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1 2 5 6 7
5. vertex 5 adjacent to 1 2 4 6 7
6. vertex 6 adjacent to 1 3 4 5 7

7. vertex 7 adjacent to 1 3 4 5 6

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

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 4 5 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1 2 5 6 7
5. vertex 5 adjacent to 1 2 4 6 7
6. vertex 6 adjacent to 1 3 4 5 7
7. vertex 7 adjacent to 1 2 3 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 1024$ and $|ARes(G)| = 512$:

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 4 5 6 7
3. vertex 3 adjacent to 6 7
4. vertex 4 adjacent to 1 2 5 6 7
5. vertex 5 adjacent to 1 2 4 6 7
6. vertex 6 adjacent to 1 2 3 4 5 7
7. vertex 7 adjacent to 1 2 3 4 5 6

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

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 4 6
3. vertex 3 adjacent to 5 6 7
4. vertex 4 adjacent to 1 2 5 7
5. vertex 5 adjacent to 1 3 4
6. vertex 6 adjacent to 1 2 3 7
7. vertex 7 adjacent to 1 3 4 6

- Singular graph with $|Aut(CUTP(G))| = 1024$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 4 5 6 7

2. vertex 2 adjacent to 4 6
3. vertex 3 adjacent to 5 6
4. vertex 4 adjacent to 1 2 5 7
5. vertex 5 adjacent to 1 3 4 7
6. vertex 6 adjacent to 1 2 3 7
7. vertex 7 adjacent to 1 4 5 6

- 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 6 7
3. vertex 3 adjacent to 5 6
4. vertex 4 adjacent to 1 2 5 7
5. vertex 5 adjacent to 1 3 4 7
6. vertex 6 adjacent to 1 2 3 7
7. vertex 7 adjacent to 2 4 5 6

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

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 4 6 7
3. vertex 3 adjacent to 5 6
4. vertex 4 adjacent to 1 2 5 7
5. vertex 5 adjacent to 1 3 4 7
6. vertex 6 adjacent to 1 2 3 7
7. vertex 7 adjacent to 1 2 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 512$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 4 5 7
2. vertex 2 adjacent to 4 6 7
3. vertex 3 adjacent to 5 6
4. vertex 4 adjacent to 1 2 5 6 7

5. vertex 5 adjacent to 1 3 4 6 7
6. vertex 6 adjacent to 2 3 4 5 7
7. vertex 7 adjacent to 1 2 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 1024$ and $|ARes(G)| = 512$:

1. vertex 1 adjacent to 4 5 6 7
2. vertex 2 adjacent to 4 5 6 7
3. vertex 3 adjacent to 5 6
4. vertex 4 adjacent to 1 2 5 6 7
5. vertex 5 adjacent to 1 2 3 4 7
6. vertex 6 adjacent to 1 2 3 4 7
7. vertex 7 adjacent to 1 2 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 6144$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 3 5 7
2. vertex 2 adjacent to 4 6 7
3. vertex 3 adjacent to 1 5 7
4. vertex 4 adjacent to 2 6
5. vertex 5 adjacent to 1 3
6. vertex 6 adjacent to 2 4
7. vertex 7 adjacent to 1 2 3

- Singular graph with $|Aut(CUTP(G))| = 32768$ and $|ARes(G)| = 512$:

1. vertex 1 adjacent to 3 5 7
2. vertex 2 adjacent to 4 6 7
3. vertex 3 adjacent to 1 5 7
4. vertex 4 adjacent to 2 6 7
5. vertex 5 adjacent to 1 3
6. vertex 6 adjacent to 2 4
7. vertex 7 adjacent to 1 2 3 4

- Singular graph with $|Aut(CUTP(G))| = 55296$ and $|ARes(G)| = 768$:

  1. vertex 1 adjacent to 3 5 7
  2. vertex 2 adjacent to 4 6 7
  3. vertex 3 adjacent to 1 5 7
  4. vertex 4 adjacent to 2 6
  5. vertex 5 adjacent to 1 3 7
  6. vertex 6 adjacent to 2 4
  7. vertex 7 adjacent to 1 2 3 5

- Singular graph with $|Aut(CUTP(G))| = 147456$ and $|ARes(G)| = 768$:

  1. vertex 1 adjacent to 3 5 7
  2. vertex 2 adjacent to 4 6 7
  3. vertex 3 adjacent to 1 5 7
  4. vertex 4 adjacent to 2 6 7
  5. vertex 5 adjacent to 1 3 7
  6. vertex 6 adjacent to 2 4
  7. vertex 7 adjacent to 1 2 3 4 5

- Singular graph with $|Aut(CUTP(G))| = 2654208$ and $|ARes(G)| = 4608$:

  1. vertex 1 adjacent to 3 5 7
  2. vertex 2 adjacent to 4 6 7
  3. vertex 3 adjacent to 1 5 7
  4. vertex 4 adjacent to 2 6 7
  5. vertex 5 adjacent to 1 3 7
  6. vertex 6 adjacent to 2 4 7
  7. vertex 7 adjacent to 1 2 3 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 768$ and $|ARes(G)| = 128$:

  1. vertex 1 adjacent to 3 5 6 7

2. vertex 2 adjacent to 4 6
3. vertex 3 adjacent to 1 5 6 7
4. vertex 4 adjacent to 2 7
5. vertex 5 adjacent to 1 3 7
6. vertex 6 adjacent to 1 2 3
7. vertex 7 adjacent to 1 3 4 5

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

1. vertex 1 adjacent to 3 5 6 7
2. vertex 2 adjacent to 4 6 7
3. vertex 3 adjacent to 1 5 6 7
4. vertex 4 adjacent to 2
5. vertex 5 adjacent to 1 3
6. vertex 6 adjacent to 1 2 3 7
7. vertex 7 adjacent to 1 2 3 6

- Singular graph with $|Aut(CUTP(G))| = 6144$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 3 5 6 7
2. vertex 2 adjacent to 4 6
3. vertex 3 adjacent to 1 5 6 7
4. vertex 4 adjacent to 2 7
5. vertex 5 adjacent to 1 3
6. vertex 6 adjacent to 1 2 3 7
7. vertex 7 adjacent to 1 3 4 6

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

1. vertex 1 adjacent to 3 5 6 7
2. vertex 2 adjacent to 4 6 7
3. vertex 3 adjacent to 1 5 6 7
4. vertex 4 adjacent to 2 7

5. vertex 5 adjacent to 1 3 7
6. vertex 6 adjacent to 1 2 3
7. vertex 7 adjacent to 1 2 3 4 5

- Singular graph with $|Aut(CUTP(G))| = 2048$ and $|ARes(G)| = 128$:

1. vertex 1 adjacent to 3 5 6 7
2. vertex 2 adjacent to 4 6 7
3. vertex 3 adjacent to 1 5 6 7
4. vertex 4 adjacent to 2 7
5. vertex 5 adjacent to 1 3
6. vertex 6 adjacent to 1 2 3 7
7. vertex 7 adjacent to 1 2 3 4 6

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

1. vertex 1 adjacent to 3 5 6 7
2. vertex 2 adjacent to 4 6 7
3. vertex 3 adjacent to 1 5 6 7
4. vertex 4 adjacent to 2
5. vertex 5 adjacent to 1 3 7
6. vertex 6 adjacent to 1 2 3 7
7. vertex 7 adjacent to 1 2 3 5 6

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

1. vertex 1 adjacent to 3 5 6 7
2. vertex 2 adjacent to 4 6 7
3. vertex 3 adjacent to 1 5 6
4. vertex 4 adjacent to 2 7
5. vertex 5 adjacent to 1 3 7
6. vertex 6 adjacent to 1 2 3 7
7. vertex 7 adjacent to 1 2 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 768$ and $|ARes(G)| = 128$:
  1. vertex 1 adjacent to 3 5 6 7
  2. vertex 2 adjacent to 4 6
  3. vertex 3 adjacent to 1 5 6 7
  4. vertex 4 adjacent to 2 7
  5. vertex 5 adjacent to 1 3 7
  6. vertex 6 adjacent to 1 2 3 7
  7. vertex 7 adjacent to 1 3 4 5 6
- Singular graph with $|Aut(CUTP(G))| = 256$ and $|ARes(G)| = 128$:
  1. vertex 1 adjacent to 3 5 6 7
  2. vertex 2 adjacent to 4 6 7
  3. vertex 3 adjacent to 1 5 6 7
  4. vertex 4 adjacent to 2 7
  5. vertex 5 adjacent to 1 3 7
  6. vertex 6 adjacent to 1 2 3 7
  7. vertex 7 adjacent to 1 2 3 4 5 6
- Singular graph with $|Aut(CUTP(G))| = 2048$ and $|ARes(G)| = 256$:
  1. vertex 1 adjacent to 3 5 6
  2. vertex 2 adjacent to 4 6 7
  3. vertex 3 adjacent to 1 5 7
  4. vertex 4 adjacent to 2 6 7
  5. vertex 5 adjacent to 1 3
  6. vertex 6 adjacent to 1 2 4
  7. vertex 7 adjacent to 2 3 4
- Singular graph with $|Aut(CUTP(G))| = 1024$ and $|ARes(G)| = 128$:
  1. vertex 1 adjacent to 3 5 6 7
  2. vertex 2 adjacent to 4 6 7

3. vertex 3 adjacent to 1 5 7
4. vertex 4 adjacent to 2 6 7
5. vertex 5 adjacent to 1 3
6. vertex 6 adjacent to 1 2 4
7. vertex 7 adjacent to 1 2 3 4

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

1. vertex 1 adjacent to 3 5 6 7
2. vertex 2 adjacent to 4 6 7
3. vertex 3 adjacent to 1 5 7
4. vertex 4 adjacent to 2 6
5. vertex 5 adjacent to 1 3 7
6. vertex 6 adjacent to 1 2 4
7. vertex 7 adjacent to 1 2 3 5

- Singular graph with $|Aut(CUTP(G))| = 8192$ and $|ARes(G)| = 512$:

1. vertex 1 adjacent to 3 5 6
2. vertex 2 adjacent to 4 6 7
3. vertex 3 adjacent to 1 5 7
4. vertex 4 adjacent to 2 6 7
5. vertex 5 adjacent to 1 3 7
6. vertex 6 adjacent to 1 2 4
7. vertex 7 adjacent to 2 3 4 5

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

1. vertex 1 adjacent to 3 5 6 7
2. vertex 2 adjacent to 4 6 7
3. vertex 3 adjacent to 1 5 7
4. vertex 4 adjacent to 2 6
5. vertex 5 adjacent to 1 3

6. vertex 6 adjacent to 1 2 4 7
7. vertex 7 adjacent to 1 2 3 6

- Singular graph with $|Aut(CUTP(G))| = 6144$ and $|ARes(G)| = 512$:

1. vertex 1 adjacent to 3 5 6 7
2. vertex 2 adjacent to 4 6 7
3. vertex 3 adjacent to 1 5
4. vertex 4 adjacent to 2 6 7
5. vertex 5 adjacent to 1 3
6. vertex 6 adjacent to 1 2 4 7
7. vertex 7 adjacent to 1 2 4 6

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

1. vertex 1 adjacent to 3 5 6 7
2. vertex 2 adjacent to 4 6 7
3. vertex 3 adjacent to 1 5 7
4. vertex 4 adjacent to 2 6 7
5. vertex 5 adjacent to 1 3 7
6. vertex 6 adjacent to 1 2 4
7. vertex 7 adjacent to 1 2 3 4 5

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

1. vertex 1 adjacent to 3 5 6 7
2. vertex 2 adjacent to 4 6 7
3. vertex 3 adjacent to 1 5 7
4. vertex 4 adjacent to 2 6 7
5. vertex 5 adjacent to 1 3
6. vertex 6 adjacent to 1 2 4 7
7. vertex 7 adjacent to 1 2 3 4 6

- Singular graph with $|Aut(CUTP(G))| = 8192$ and $|ARes(G)| = 512$:

1. vertex 1 adjacent to 3 5 6 7
2. vertex 2 adjacent to 4 6 7
3. vertex 3 adjacent to 1 5 7
4. vertex 4 adjacent to 2 6 7
5. vertex 5 adjacent to 1 3 7
6. vertex 6 adjacent to 1 2 4 7
7. vertex 7 adjacent to 1 2 3 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 1536$ and $|ARes(G)| = 384$:

1. vertex 1 adjacent to 3 5 6 7
2. vertex 2 adjacent to 4 7
3. vertex 3 adjacent to 1 5 6 7
4. vertex 4 adjacent to 2
5. vertex 5 adjacent to 1 3 6 7
6. vertex 6 adjacent to 1 3 5
7. vertex 7 adjacent to 1 2 3 5

- Singular graph with $|Aut(CUTP(G))| = 4608$ and $|ARes(G)| = 768$:

1. vertex 1 adjacent to 3 5 6 7
2. vertex 2 adjacent to 4 7
3. vertex 3 adjacent to 1 5 6 7
4. vertex 4 adjacent to 2 7
5. vertex 5 adjacent to 1 3 6 7
6. vertex 6 adjacent to 1 3 5
7. vertex 7 adjacent to 1 2 3 4 5

- Singular graph with $|Aut(CUTP(G))| = 15360$ and $|ARes(G)| = 1536$:

1. vertex 1 adjacent to 3 5 6 7
2. vertex 2 adjacent to 4 7
3. vertex 3 adjacent to 1 5 6 7

4. vertex 4 adjacent to 2
5. vertex 5 adjacent to 1 3 6 7
6. vertex 6 adjacent to 1 3 5 7
7. vertex 7 adjacent to 1 2 3 5 6

- Singular graph with $|Aut(CUTP(G))| = 46080$ and $|ARes(G)| = 3072$:

1. vertex 1 adjacent to 3 5 6 7
2. vertex 2 adjacent to 4 7
3. vertex 3 adjacent to 1 5 6 7
4. vertex 4 adjacent to 2 7
5. vertex 5 adjacent to 1 3 6 7
6. vertex 6 adjacent to 1 3 5 7
7. vertex 7 adjacent to 1 2 3 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 1024$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 3 5 6 7
2. vertex 2 adjacent to 4 6 7
3. vertex 3 adjacent to 1 5 6 7
4. vertex 4 adjacent to 2 6 7
5. vertex 5 adjacent to 1 3 7
6. vertex 6 adjacent to 1 2 3 4
7. vertex 7 adjacent to 1 2 3 4 5

- Singular graph with $|Aut(CUTP(G))| = 8192$ and $|ARes(G)| = 512$:

1. vertex 1 adjacent to 3 5 6 7
2. vertex 2 adjacent to 4 6 7
3. vertex 3 adjacent to 1 5 6 7
4. vertex 4 adjacent to 2 6 7
5. vertex 5 adjacent to 1 3
6. vertex 6 adjacent to 1 2 3 4 7

7. vertex 7 adjacent to 1 2 3 4 6

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

1. vertex 1 adjacent to 3 5 6 7
2. vertex 2 adjacent to 4 6 7
3. vertex 3 adjacent to 1 5 6 7
4. vertex 4 adjacent to 2 6
5. vertex 5 adjacent to 1 3 7
6. vertex 6 adjacent to 1 2 3 4 7
7. vertex 7 adjacent to 1 2 3 5 6

- Singular graph with $|Aut(CUTP(G))| = 1024$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 3 5 6 7
2. vertex 2 adjacent to 4 6 7
3. vertex 3 adjacent to 1 5 6
4. vertex 4 adjacent to 2 6 7
5. vertex 5 adjacent to 1 3 7
6. vertex 6 adjacent to 1 2 3 4 7
7. vertex 7 adjacent to 1 2 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 1024$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 3 5 6 7
2. vertex 2 adjacent to 4 6 7
3. vertex 3 adjacent to 1 5 6 7
4. vertex 4 adjacent to 2 6 7
5. vertex 5 adjacent to 1 3 7
6. vertex 6 adjacent to 1 2 3 4 7
7. vertex 7 adjacent to 1 2 3 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 1536$ and $|ARes(G)| = 384$:

1. vertex 1 adjacent to 3 5 6 7

2. vertex 2 adjacent to 4 6 7
3. vertex 3 adjacent to 1 5 6 7
4. vertex 4 adjacent to 2 7
5. vertex 5 adjacent to 1 3 6 7
6. vertex 6 adjacent to 1 2 3 5
7. vertex 7 adjacent to 1 2 3 4 5

- Singular graph with $|Aut(CUTP(G))| = 1536$ and $|ARes(G)| = 768$:

1. vertex 1 adjacent to 3 5 6 7
2. vertex 2 adjacent to 4 6 7
3. vertex 3 adjacent to 1 5 6 7
4. vertex 4 adjacent to 2
5. vertex 5 adjacent to 1 3 6 7
6. vertex 6 adjacent to 1 2 3 5 7
7. vertex 7 adjacent to 1 2 3 5 6

- Singular graph with $|Aut(CUTP(G))| = 4608$ and $|ARes(G)| = 768$:

1. vertex 1 adjacent to 3 5 6 7
2. vertex 2 adjacent to 4 6
3. vertex 3 adjacent to 1 5 6 7
4. vertex 4 adjacent to 2 7
5. vertex 5 adjacent to 1 3 6 7
6. vertex 6 adjacent to 1 2 3 5 7
7. vertex 7 adjacent to 1 3 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 1536$ and $|ARes(G)| = 384$:

1. vertex 1 adjacent to 3 5 6 7
2. vertex 2 adjacent to 4 6 7
3. vertex 3 adjacent to 1 5 6 7
4. vertex 4 adjacent to 2 7

5. vertex 5 adjacent to 1 3 6 7
6. vertex 6 adjacent to 1 2 3 5 7
7. vertex 7 adjacent to 1 2 3 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 6144$ and $|ARes(G)| = 1536$:

1. vertex 1 adjacent to 3 5 6 7
2. vertex 2 adjacent to 4 6 7
3. vertex 3 adjacent to 1 5 6 7
4. vertex 4 adjacent to 2 6 7
5. vertex 5 adjacent to 1 3 6 7
6. vertex 6 adjacent to 1 2 3 4 5
7. vertex 7 adjacent to 1 2 3 4 5

- Singular graph with $|Aut(CUTP(G))| = 6144$ and $|ARes(G)| = 1536$:

1. vertex 1 adjacent to 3 5 6 7
2. vertex 2 adjacent to 4 6 7
3. vertex 3 adjacent to 1 5 6 7
4. vertex 4 adjacent to 2 6 7
5. vertex 5 adjacent to 1 3 6 7
6. vertex 6 adjacent to 1 2 3 4 5 7
7. vertex 7 adjacent to 1 2 3 4 5 6

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

1. vertex 1 adjacent to 3 5 6 7
2. vertex 2 adjacent to 4 5 6 7
3. vertex 3 adjacent to 1 5 7
4. vertex 4 adjacent to 2 6
5. vertex 5 adjacent to 1 2 3 7
6. vertex 6 adjacent to 1 2 4
7. vertex 7 adjacent to 1 2 3 5

- Singular graph with $|Aut(CUTP(G))| = 128$ and $|ARes(G)| = 64$:
  1. vertex 1 adjacent to 3 5 6 7
  2. vertex 2 adjacent to 4 5 6 7
  3. vertex 3 adjacent to 1 5
  4. vertex 4 adjacent to 2 6 7
  5. vertex 5 adjacent to 1 2 3 7
  6. vertex 6 adjacent to 1 2 4
  7. vertex 7 adjacent to 1 2 4 5
- Singular graph with $|Aut(CUTP(G))| = 1024$ and $|ARes(G)| = 256$:
  1. vertex 1 adjacent to 3 5 6 7
  2. vertex 2 adjacent to 4 5 6 7
  3. vertex 3 adjacent to 1 5
  4. vertex 4 adjacent to 2 6
  5. vertex 5 adjacent to 1 2 3 7
  6. vertex 6 adjacent to 1 2 4 7
  7. vertex 7 adjacent to 1 2 5 6
- Singular graph with $|Aut(CUTP(G))| = 256$ and $|ARes(G)| = 128$:
  1. vertex 1 adjacent to 3 5 6 7
  2. vertex 2 adjacent to 4 5 6 7
  3. vertex 3 adjacent to 1 5 7
  4. vertex 4 adjacent to 2 6
  5. vertex 5 adjacent to 1 2 3 7
  6. vertex 6 adjacent to 1 2 4 7
  7. vertex 7 adjacent to 1 2 3 5 6
- Singular graph with $|Aut(CUTP(G))| = 1024$ and $|ARes(G)| = 512$:
  1. vertex 1 adjacent to 3 5 6 7
  2. vertex 2 adjacent to 4 5 7

3. vertex 3 adjacent to 1 5 6 7
4. vertex 4 adjacent to 2 6
5. vertex 5 adjacent to 1 2 3 7
6. vertex 6 adjacent to 1 3 4
7. vertex 7 adjacent to 1 2 3 5

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

1. vertex 1 adjacent to 3 5 6 7
2. vertex 2 adjacent to 4 5 7
3. vertex 3 adjacent to 1 5 6
4. vertex 4 adjacent to 2 6
5. vertex 5 adjacent to 1 2 3 7
6. vertex 6 adjacent to 1 3 4 7
7. vertex 7 adjacent to 1 2 5 6

- Singular graph with $|Aut(CUTP(G))| = 4608$ and $|ARes(G)| = 768$:

1. vertex 1 adjacent to 3 5 6 7
2. vertex 2 adjacent to 4 5
3. vertex 3 adjacent to 1 5 6 7
4. vertex 4 adjacent to 2 6
5. vertex 5 adjacent to 1 2 3 7
6. vertex 6 adjacent to 1 3 4 7
7. vertex 7 adjacent to 1 3 5 6

- Singular graph with $|Aut(CUTP(G))| = 1024$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 3 5 6
2. vertex 2 adjacent to 4 5 7
3. vertex 3 adjacent to 1 5 6
4. vertex 4 adjacent to 2 6 7
5. vertex 5 adjacent to 1 2 3 7

6. vertex 6 adjacent to 1 3 4 7
7. vertex 7 adjacent to 2 4 5 6

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

1. vertex 1 adjacent to 3 5 6 7
2. vertex 2 adjacent to 4 5 7
3. vertex 3 adjacent to 1 5 6 7
4. vertex 4 adjacent to 2 6
5. vertex 5 adjacent to 1 2 3 7
6. vertex 6 adjacent to 1 3 4 7
7. vertex 7 adjacent to 1 2 3 5 6

- Singular graph with $|Aut(CUTP(G))| = 1024$ and $|ARes(G)| = 512$:

1. vertex 1 adjacent to 3 5 6 7
2. vertex 2 adjacent to 4 5 6 7
3. vertex 3 adjacent to 1 5 6 7
4. vertex 4 adjacent to 2 6
5. vertex 5 adjacent to 1 2 3 7
6. vertex 6 adjacent to 1 2 3 4
7. vertex 7 adjacent to 1 2 3 5

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

1. vertex 1 adjacent to 3 5 6 7
2. vertex 2 adjacent to 4 5 6 7
3. vertex 3 adjacent to 1 5 6 7
4. vertex 4 adjacent to 2 7
5. vertex 5 adjacent to 1 2 3 6 7
6. vertex 6 adjacent to 1 2 3 5
7. vertex 7 adjacent to 1 2 3 4 5

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

1. vertex 1 adjacent to 3 5 6 7
2. vertex 2 adjacent to 4 5 6 7
3. vertex 3 adjacent to 1 5 6
4. vertex 4 adjacent to 2 7
5. vertex 5 adjacent to 1 2 3 6 7
6. vertex 6 adjacent to 1 2 3 5 7
7. vertex 7 adjacent to 1 2 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 512$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 3 5 6 7
2. vertex 2 adjacent to 4 5 6
3. vertex 3 adjacent to 1 5 6 7
4. vertex 4 adjacent to 2 7
5. vertex 5 adjacent to 1 2 3 6 7
6. vertex 6 adjacent to 1 2 3 5 7
7. vertex 7 adjacent to 1 3 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 512$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 3 5 6 7
2. vertex 2 adjacent to 4 5 6 7
3. vertex 3 adjacent to 1 5 6 7
4. vertex 4 adjacent to 2 7
5. vertex 5 adjacent to 1 2 3 6 7
6. vertex 6 adjacent to 1 2 3 5 7
7. vertex 7 adjacent to 1 2 3 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 512$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 3 4 6 7
2. vertex 2 adjacent to 4 5 6 7
3. vertex 3 adjacent to 1 5 6 7

4. vertex 4 adjacent to 1 2 6 7
5. vertex 5 adjacent to 2 3
6. vertex 6 adjacent to 1 2 3 4
7. vertex 7 adjacent to 1 2 3 4

- Singular graph with $|Aut(CUTP(G))| = 512$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 3 4 6 7
2. vertex 2 adjacent to 4 5 6 7
3. vertex 3 adjacent to 1 5 6 7
4. vertex 4 adjacent to 1 2 6 7
5. vertex 5 adjacent to 2 3
6. vertex 6 adjacent to 1 2 3 4 7
7. vertex 7 adjacent to 1 2 3 4 6

- Singular graph with $|Aut(CUTP(G))| = 512$ and $|ARes(G)| = 256$:

1. vertex 1 adjacent to 3 4 5 6 7
2. vertex 2 adjacent to 4 5 6 7
3. vertex 3 adjacent to 1 5
4. vertex 4 adjacent to 1 2 6 7
5. vertex 5 adjacent to 1 2 3 6 7
6. vertex 6 adjacent to 1 2 4 5 7
7. vertex 7 adjacent to 1 2 4 5 6

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

1. vertex 1 adjacent to 3 4 5 6 7
2. vertex 2 adjacent to 6 7
3. vertex 3 adjacent to 1 4 5 6 7
4. vertex 4 adjacent to 1 3 5 6 7
5. vertex 5 adjacent to 1 3 4 7
6. vertex 6 adjacent to 1 2 3 4

7. vertex 7 adjacent to 1 2 3 4 5

- Singular graph with $|Aut(CUTP(G))| = 1536$ and $|ARes(G)| = 768$:

1. vertex 1 adjacent to 3 4 5 6 7
2. vertex 2 adjacent to 6 7
3. vertex 3 adjacent to 1 4 5 6 7
4. vertex 4 adjacent to 1 3 5 6 7
5. vertex 5 adjacent to 1 3 4
6. vertex 6 adjacent to 1 2 3 4 7
7. vertex 7 adjacent to 1 2 3 4 6

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

1. vertex 1 adjacent to 3 4 5 6 7
2. vertex 2 adjacent to 6 7
3. vertex 3 adjacent to 1 4 5 6 7
4. vertex 4 adjacent to 1 3 5 6 7
5. vertex 5 adjacent to 1 3 4 7
6. vertex 6 adjacent to 1 2 3 4 7
7. vertex 7 adjacent to 1 2 3 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 3072$ and $|ARes(G)| = 1536$:

1. vertex 1 adjacent to 3 4 5 6 7
2. vertex 2 adjacent to 7
3. vertex 3 adjacent to 1 4 5 6 7
4. vertex 4 adjacent to 1 3 5 6 7
5. vertex 5 adjacent to 1 3 4 6 7
6. vertex 6 adjacent to 1 3 4 5
7. vertex 7 adjacent to 1 2 3 4 5

- Singular graph with $|Aut(CUTP(G))| = 46080$ and $|ARes(G)| = 7680$:

1. vertex 1 adjacent to 3 4 5 6 7

2. vertex 2 adjacent to 7
3. vertex 3 adjacent to 1 4 5 6 7
4. vertex 4 adjacent to 1 3 5 6 7
5. vertex 5 adjacent to 1 3 4 6 7
6. vertex 6 adjacent to 1 3 4 5 7
7. vertex 7 adjacent to 1 2 3 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 6144$ and $|ARes(G)| = 3072$:

1. vertex 1 adjacent to 3 4 5 6 7
2. vertex 2 adjacent to 6 7
3. vertex 3 adjacent to 1 4 5 6 7
4. vertex 4 adjacent to 1 3 5 6 7
5. vertex 5 adjacent to 1 3 4 6 7
6. vertex 6 adjacent to 1 2 3 4 5 7
7. vertex 7 adjacent to 1 2 3 4 5 6

- Singular graph with $|Aut(CUTP(G))| = 6144$ and $|ARes(G)| = 3072$:

1. vertex 1 adjacent to 3 4 5 6 7
2. vertex 2 adjacent to 3 4 5 6 7
3. vertex 3 adjacent to 1 2 5 6 7
4. vertex 4 adjacent to 1 2
5. vertex 5 adjacent to 1 2 3 6 7
6. vertex 6 adjacent to 1 2 3 5 7
7. vertex 7 adjacent to 1 2 3 5 6