

Interesting and realizable combinatorics with 8 lines

1/ [[1, 2, 3], [1, 4, 7], [1, 5, 6], [1, 8], [2, 4, 6],
[2, 5, 7], [2, 8], [3, 4, 5], [3, 6, 8], [3, 7], [4, 8], [5,
8], [6, 7], [7, 8]]

Cycle : [3, 6, 7]

- Modulo: 2 Character: (1, 1, 0, 1, 1, 0, 0, 0)

2/ [[1, 2, 5], [1, 3, 6], [1, 4, 7], [1, 8], [2, 3, 7],
[2, 4, 6], [2, 8], [3, 4, 5], [3, 8], [4, 8], [5, 6], [5, 7],
[5, 8], [6, 7], [6, 8], [7, 8]]

Cycle : [5, 6, 7]

- Modulo: 2 Character: (1, 1, 1, 1, 0, 0, 0, 0)

3/ [[1, 2, 5, 8], [1, 3, 6], [1, 4, 7], [2, 3, 7], [2, 4,
6], [3, 4, 5], [3, 8], [4, 8], [5, 6], [5, 7], [6, 7], [6, 8],
[7, 8]]

Cycle : [5, 6, 7]

- Modulo: 2 Character: (1, 1, 1, 1, 0, 0, 0, 0)

4/ [[1, 2, 7, 8], [1, 3, 4], [1, 5, 6], [2, 3, 5], [2, 4,
6], [3, 6, 8], [3, 7], [4, 5, 7], [4, 8], [5, 8], [6, 7]]

Cycle : [3, 6, 7]

- Modulo: 2 Character: (1, 1, 0, 1, 1, 0, 0, 0)

Cycle : [4, 5, 8]

- Modulo: 2 Character: (1, 1, 1, 0, 0, 1, 0, 0)