

Adjacency matrix:

	1	2	3	4	5	6	7	8
1	0	1	0	0	0	1	0	0
2	1	0	0	1	0	0	0	1
3	0	0	0	0	0	1	1	0
4	0	1	0	0	1	1	0	0
5	0	0	0	1	0	0	1	0
6	1	0	1	1	0	0	0	1
7	0	0	1	0	1	0	0	0
8	0	1	0	0	0	1	0	0