2D dense sparse matrix

3	0	1	0	1	0	0	0
2	0	0	0	0	0	0	0
1	0	0	0	0	0	1	1
4	0	0	0	0	1	0	0
3	0	0	0	1	0	0	0
0	0	0	1	0	0	0	0
1	1	1	0	0	0	0	0