Input Matrix

0	1	1	1	0
1	1	1	1	0
0	1	1	1	1
0	1	1	1	1
0	0	1	1	1

DP

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