

## \* Maximal Square

$$m$$

1	1	1
1	1	1
1	1	1

0	0	1
1	1	1
1	1	1

$$n$$

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

0	0	0	0
0	1	0	1
0	1	1	1
0	1	2	2

$$dp[i][j] = \min(dp[i][j-1], dp[i-1][j], dp[i-1][j-1]) + 1$$

as optimization we can use  $dp[n]$  array instead of 2D array

Atlas