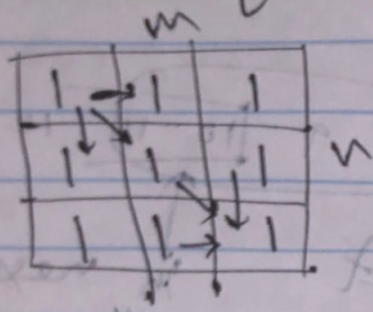
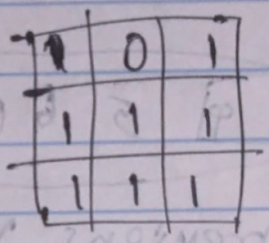
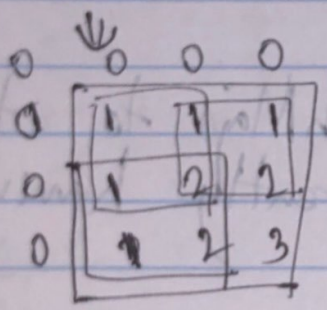
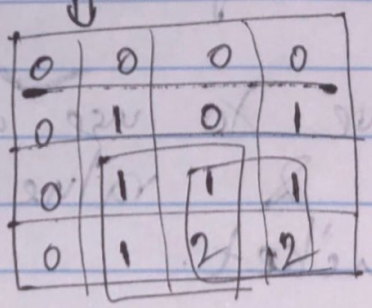
* Maximal Square









$O(m \times n)$ $O(m \times n)$

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

$O(m \times n)$ $O(n)$

as optimization we can use $dp[n]$ 1D array instead of 2D array