## 576: Out of Boundary Paths max Move :- Is given to end the recursion. ( Since we can come to the same position again in the grid) D Recursive solution with memoruzation is straightforward approach to solve this problem. lime - O(mn \* maxMove) space - O(mn \* max Move) flord part is converting above memorization solution to tabulation. No. of state variables involved: - 3 (row, col, depth) is 3 for loops required This also means that we would need 3 dimensional matrix to store the information. denth = 0 This would store no of ways we can go out of boundary for a particular depth. To calculate the depth to values of modrix at depth I , we would need depth = 1 the previous values (at depth o) And since we are only dependent on previous depth we don't need 3 dimensional meetrix. Use need only last to matrix to create a new ones

space: O(mn)