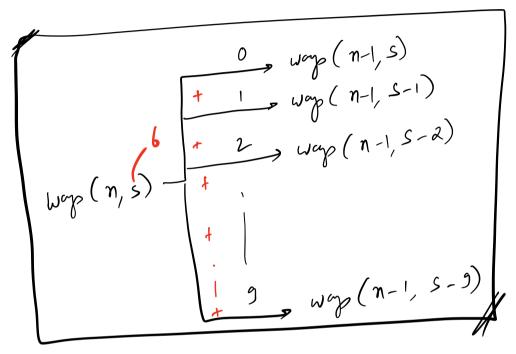
1 <= 5 <= 103 N=2, S= 4 N=2, S=0 2



$$K = \min(s,s)$$

$$Worp(n,s) = K = 0$$

$$V = 0$$

int dp [N+1] [S+1] = {-13; N71 (1/. 102+7) int ways (int n, ints) { if (n==0) {
 if (s==0) ret 1;
 eln ret0;
 Hu

if (s > n x 9) ret 0; if ( dp[m][s]!=-1) { ANS=0 rt op (n)[5]; f(K=0; K <= min (9, s); K++) {

and += wayp (n-1, S-K); ANS+= way (N-1,5-1) dp[n][s] = 03; rd on;

TC pre state -> 10 gs

$$TC = \#VS \times TRPS$$

$$= NS \times \partial(i) \times |D|$$

$$TC = O(NS)$$

$$N \times 9 \times N$$

$$TC = O(N^2)$$

Bothon Up Analysis

 $K = \min(g_1s)$   $Wayp(n, s) = \sum_{k=0}^{\infty} way(n-1, s-k)$ 

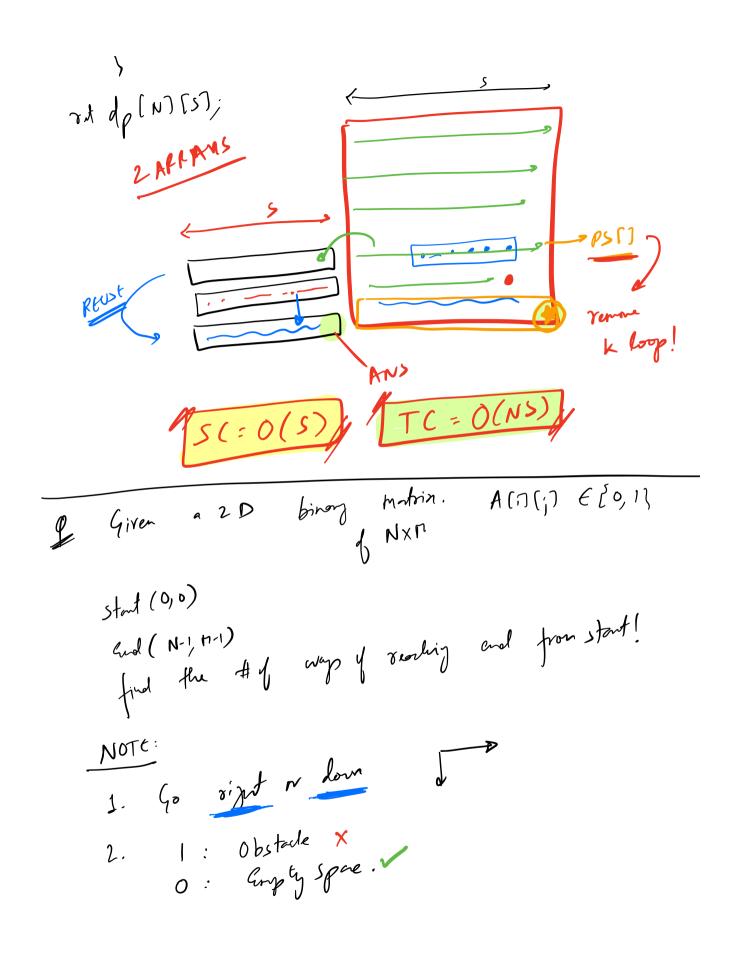
f(n=0; n <= N; n++) {

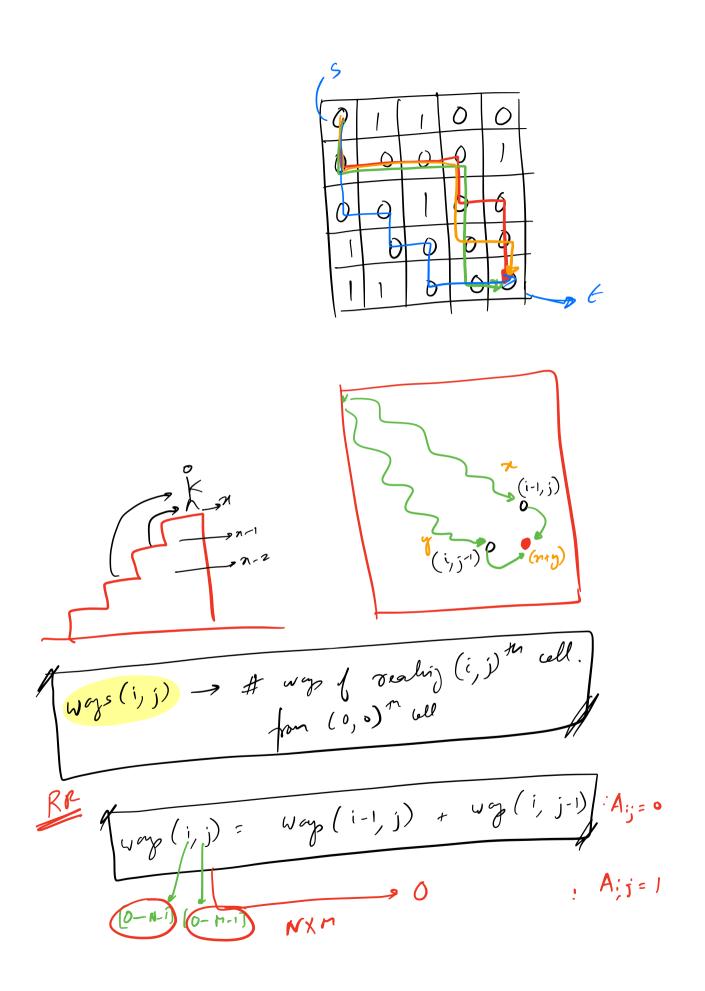
f(s=0; S<= S; S++) {

ANS=0

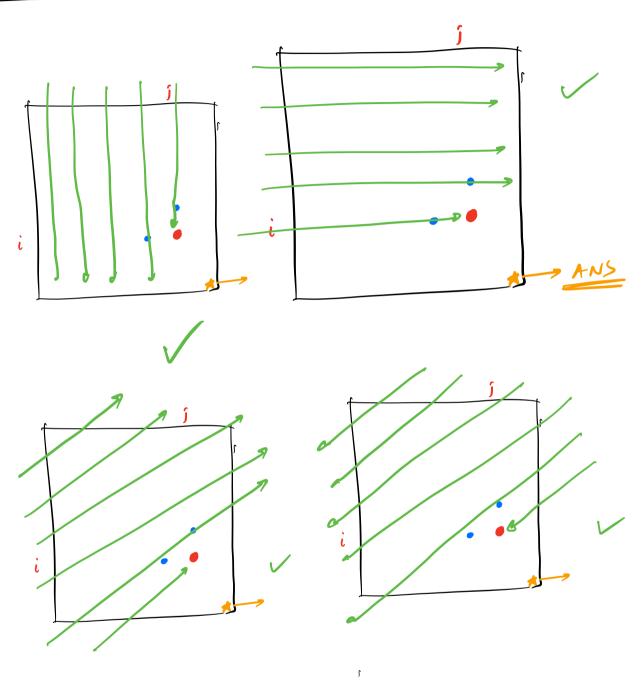
f(x=0; K <= rin(3,5); x++) {

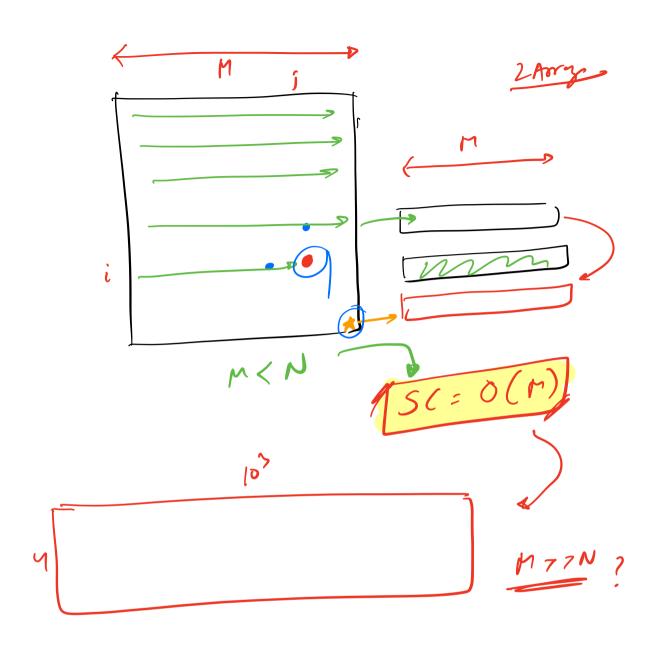
ANS+= dp[n-1][s-K]; dp[n](s] = ANS; >

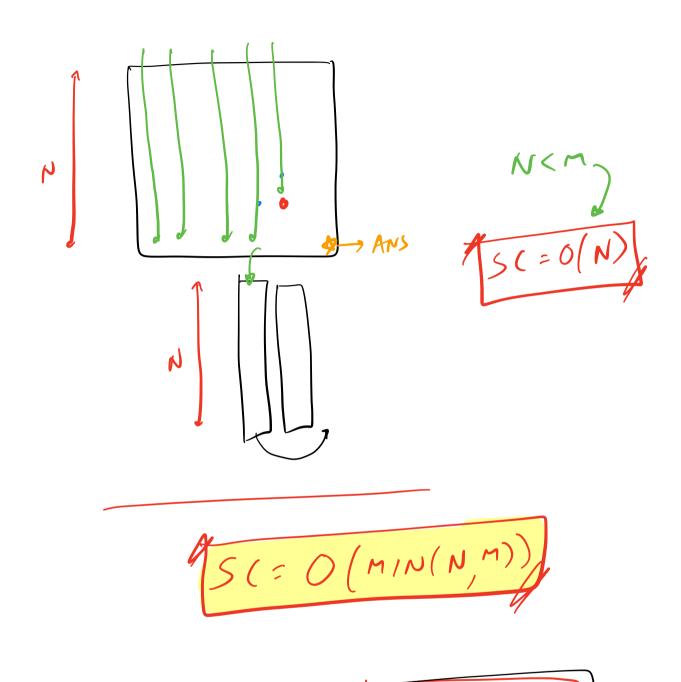




Pottom Up Analysis







## DOURT

