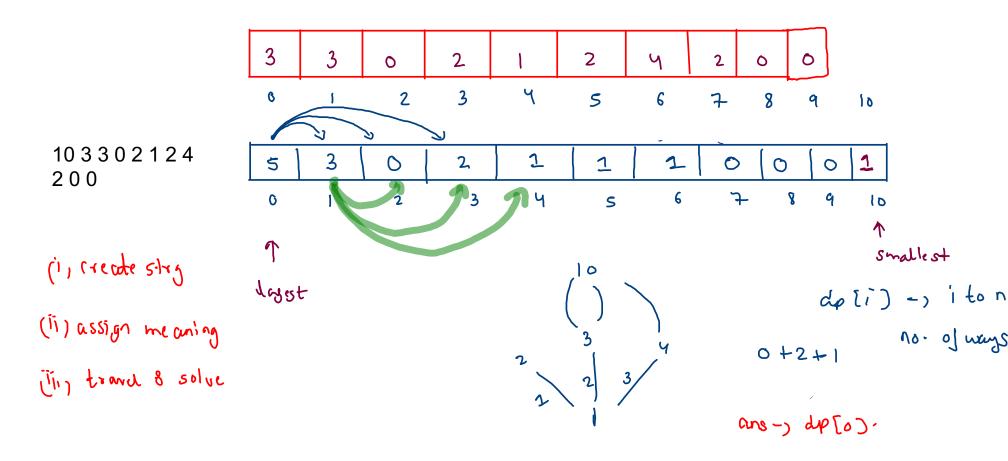
Climb stair with variable gumps



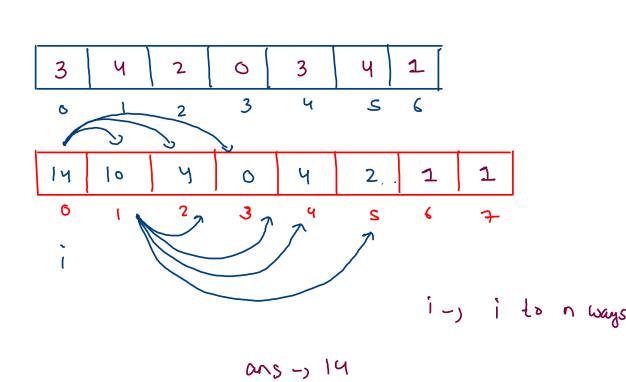
```
public static int csvj_tab(int[]jumps) {
    int n = jumps.length;
    int[]dp = new int[n+1];

    //dp[i] -> i to n number of ways

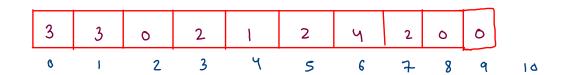
dp[n] = 1;

for(int i=n-1; i >= 0;i--) {
    for(int j = 1; j <= jumps[i] && i+j <= n;j++) {
        dp[i] += dp[i + j];
      }
}

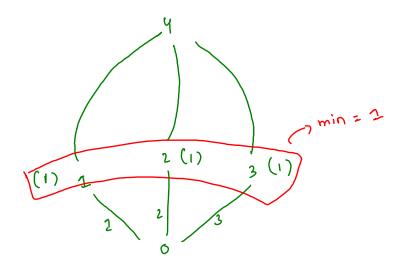
return dp[0];
}</pre>
```



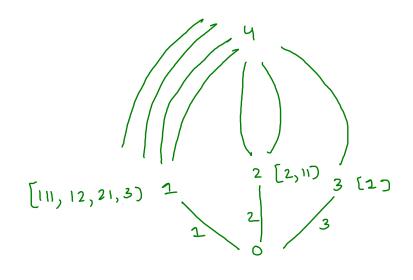
ハー 子



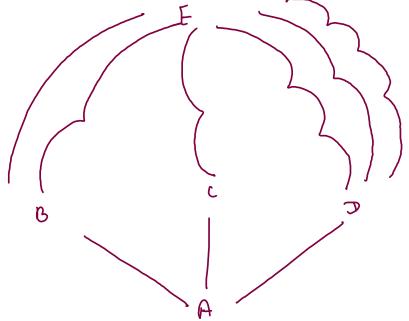
min-moves



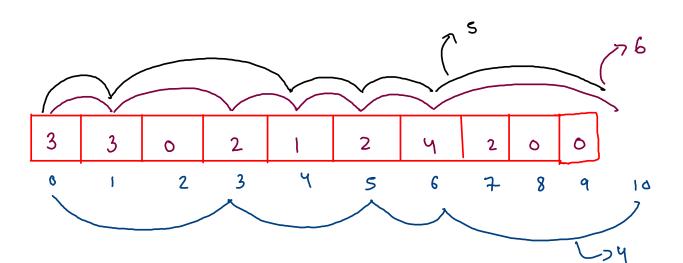
0 to 4 = 1+1=2



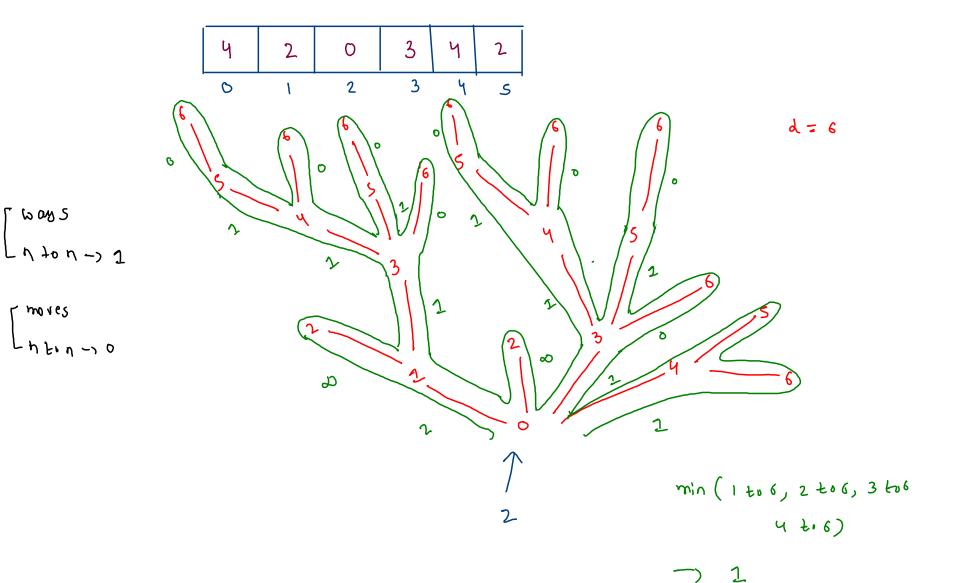
0 to 4 = [1111, 121, 211, 31, 22, 112, 13]



A to E = min (B to E , C to E , D to E ) + 2 (min move) (min move) (min moves)

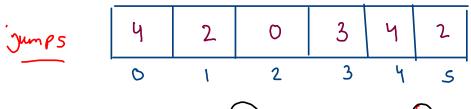


4 min moves



T ways

moves

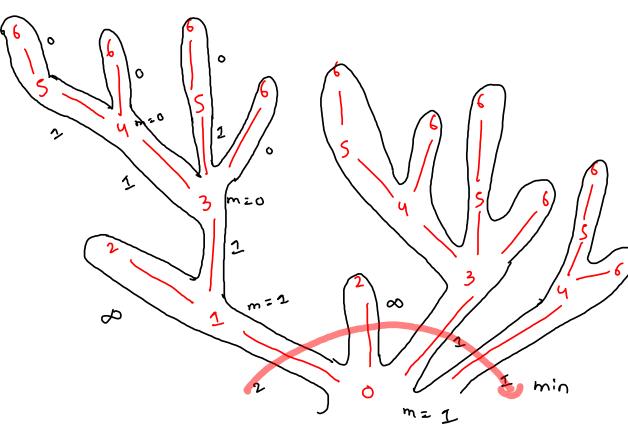


```
public static int csvj_mm_rec(int src,int[]jumps) {
    if(src == jumps.length) {
        return 0;
    }

    int min = Integer.MAX_VALUE;

    for(int k = 1; k <= jumps[src] && src + k <= jumps.length;k++) {
        int mmntod = csvj_mm_rec(src + k,jumps); //min moves from nbr to dest
        if(mmntod < min) {
            min = mmntod;
        }
    }

    if(min == Integer.MAX_VALUE) {
        return Integer.MAX_VALUE;
    }
    else {
        return min+1;
    }
}</pre>
```

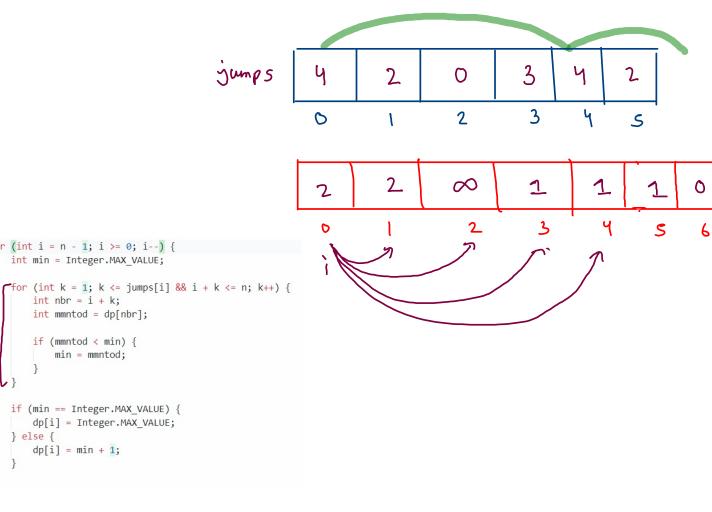


ans = 2

95

yungs ∞ 0  $\infty$ dp  $\infty$ O

de [i] -> i to dest



for (int i = n - 1; i >= 0; i --) { int min = Integer.MAX VALUE;

> int nbr = i + k; int mmntod = dp[nbr];

if (mmntod < min) {</pre> min = mmntod;

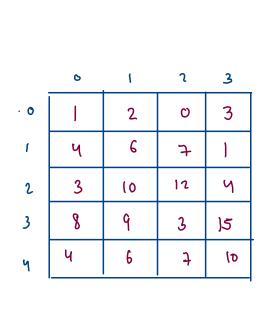
if (min == Integer.MAX\_VALUE) { dp[i] = Integer.MAX\_VALUE;

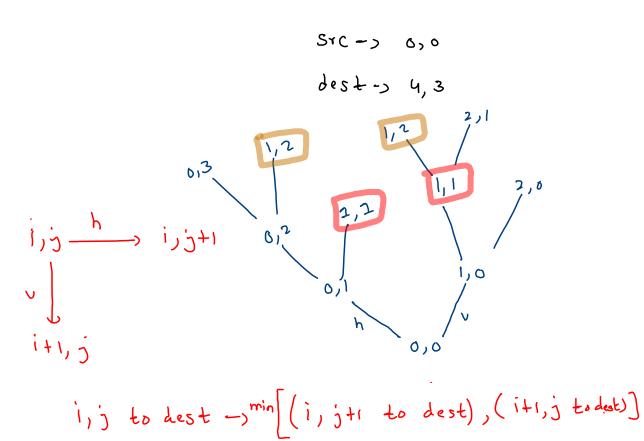
dp[i] = min + 1;

} else {

min - - 95 2

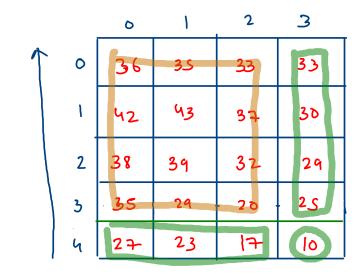
min cost in maze traversal





min lost

+ cost (i)[5).



DP