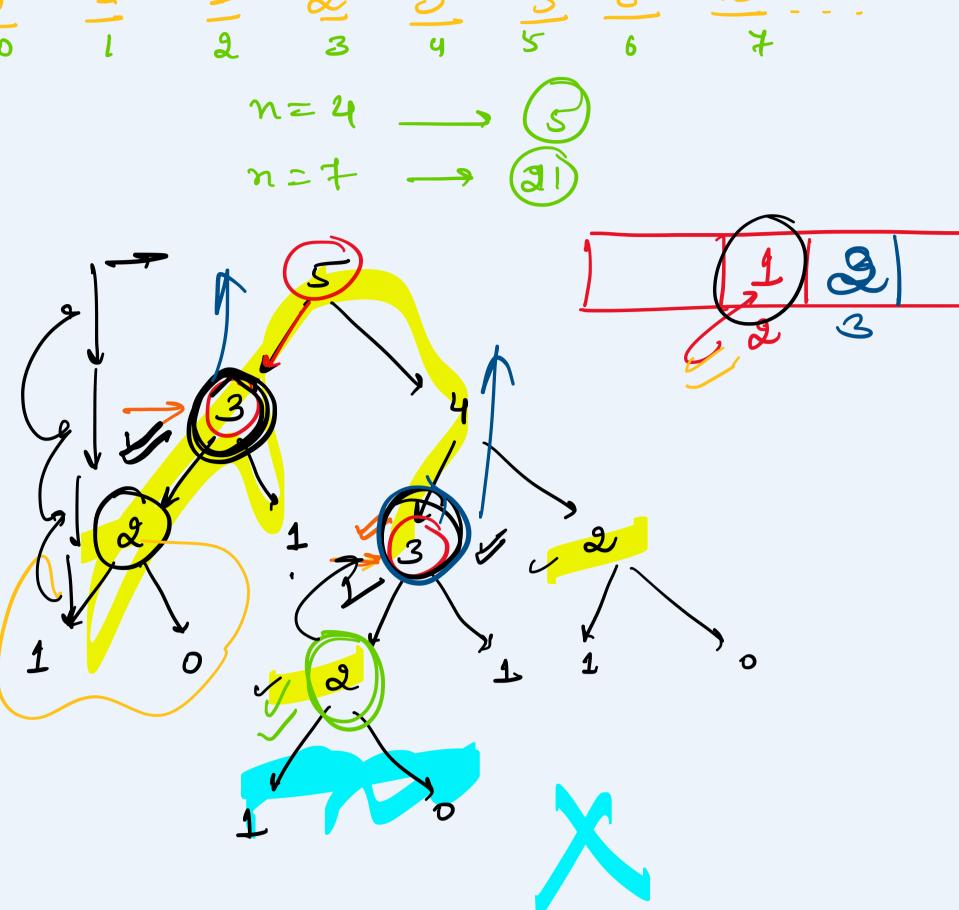
Dynamic Programming

Break-down the problem into sub-problems and save the result for the future so that we don't have to compute the same problem again 2 again.

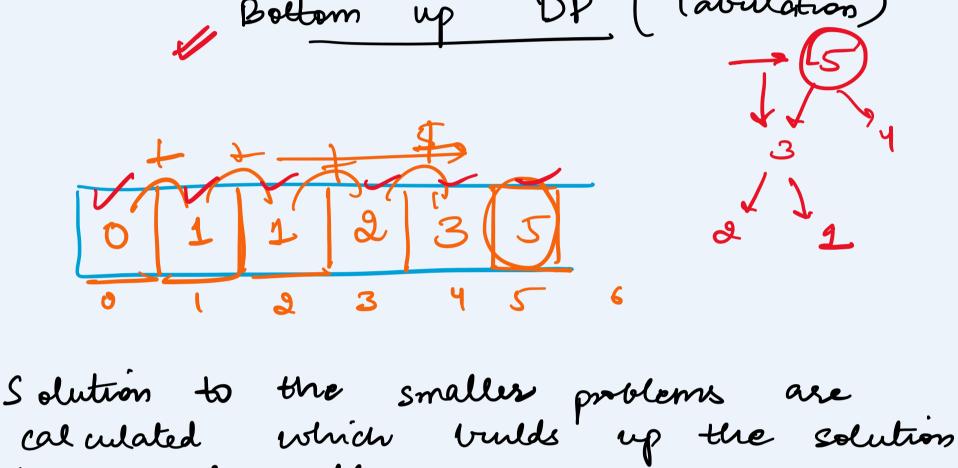
It Dynamic programming can be applied to any such problem that requires the se-calculation of certain values to seach the final solution.

Fibonacei

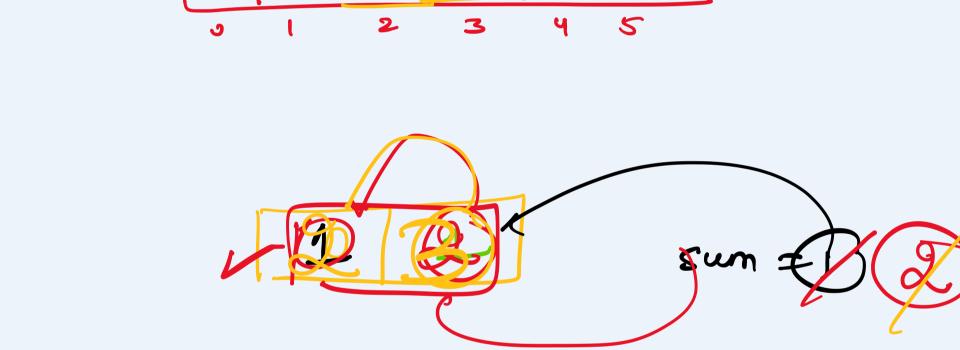


Down DP (Momoi zation)

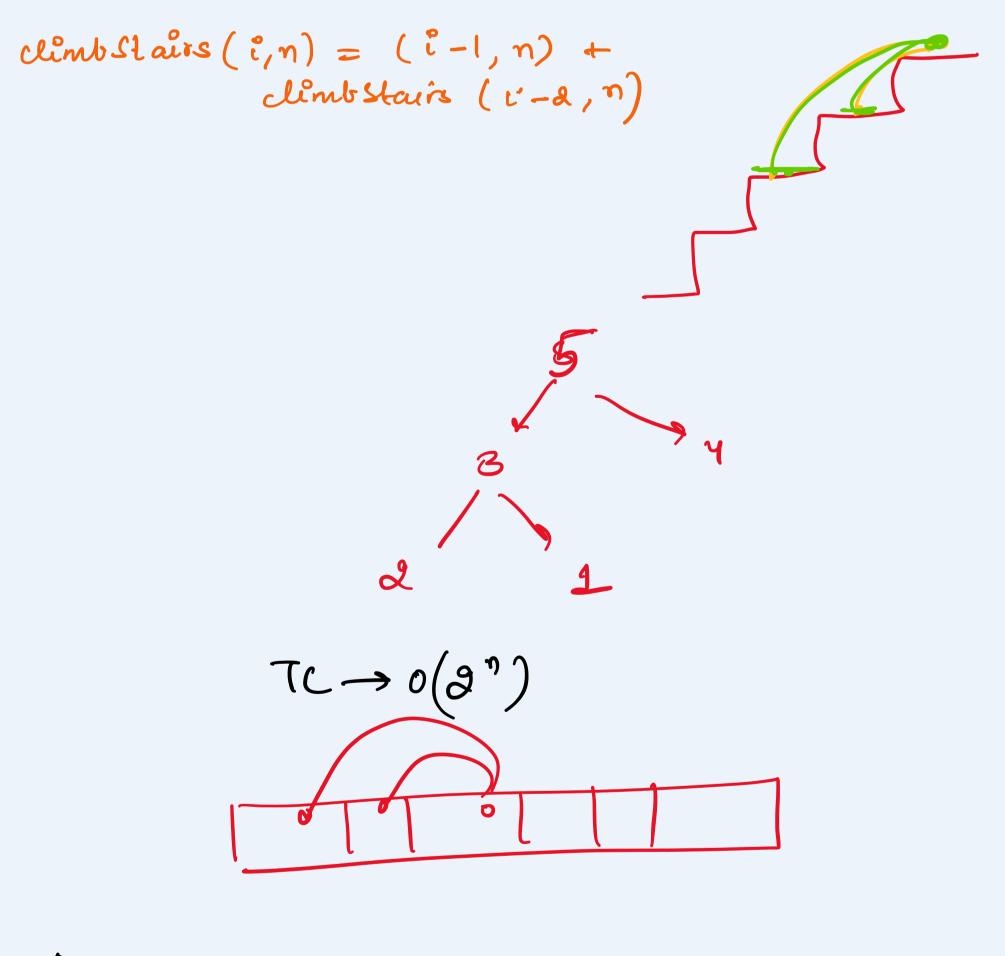
is broken down and if the problem is already solved, already then calved



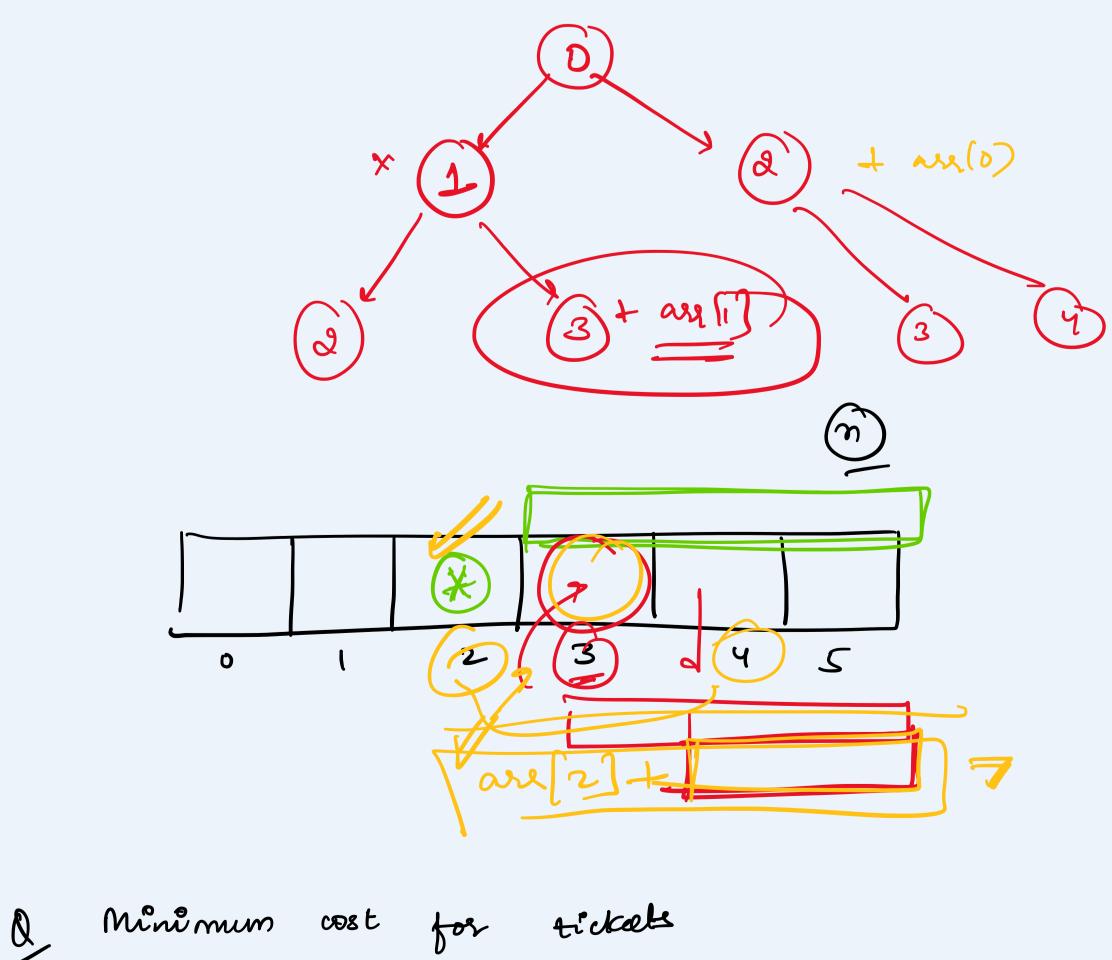
problem



Climbing



erobhouse (i) = max (nob (i+1), nob (i+2)+ nums [i])



dp (i) = mm (dp(i+1) + cost[o],

dp(i+7)+cost[1]+ op (i 1 30) + cost [2]