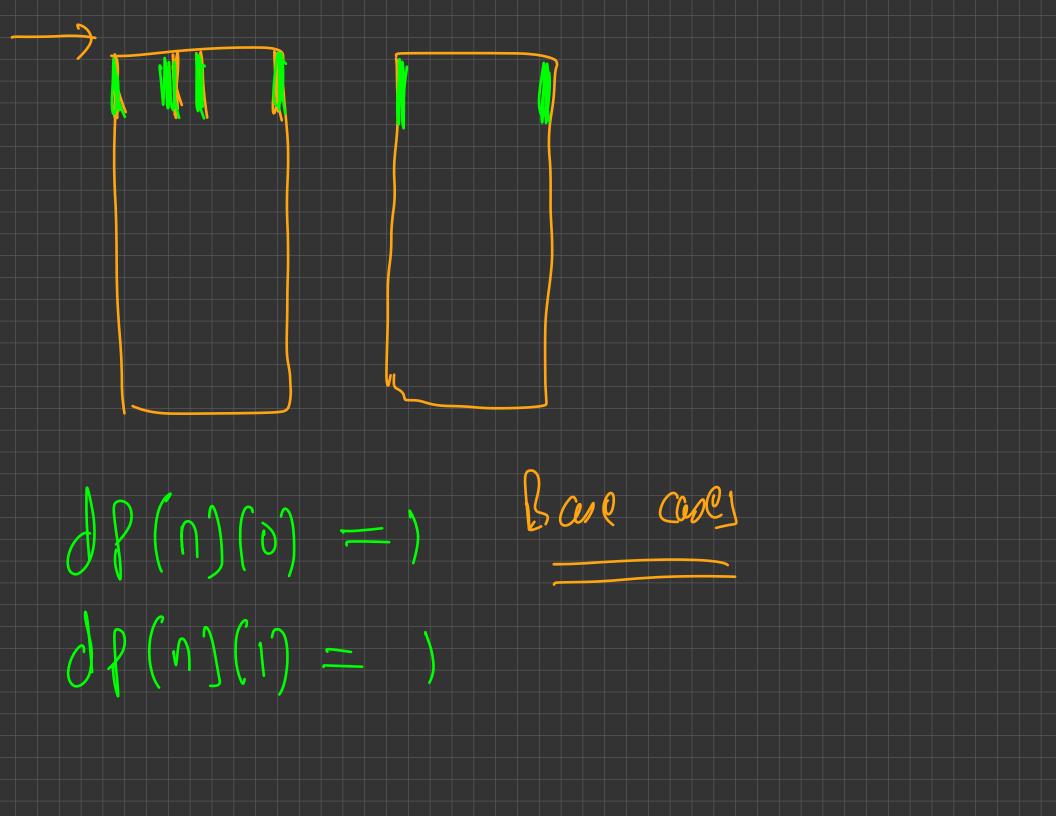
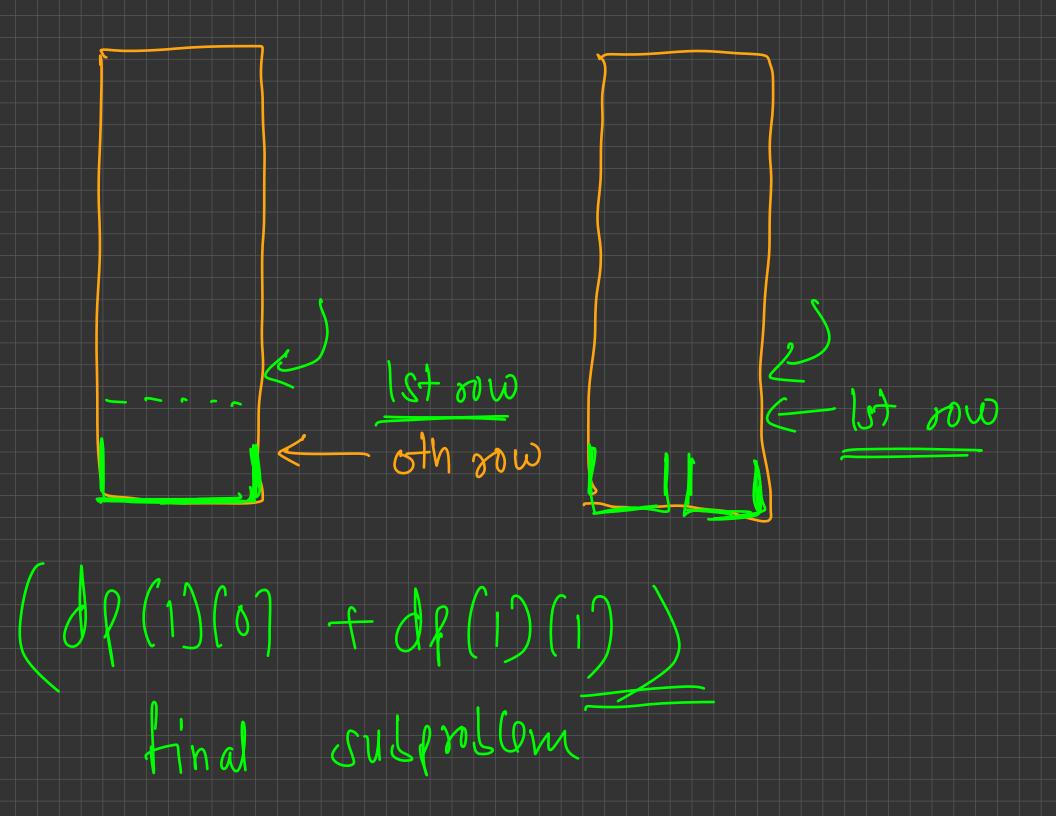


 $dP[i](o) = no \cdot cf$ ways to fill the grid from ith sow to not the such that there is a hoxizontal block toying to entend from the 5-1th row

tronsitions: $\partial P(i)(0) = 2 \cdot \partial P(i+1)(0) + \partial P(i+1)(1)$ $d g(i)(i) = 4 \cdot d g(i+1)(i) + d g(i+1)(o)$





lime Comparity: H states x ag TiT. 29 0(1) $\mathcal{O}(\mathsf{M})$

Actual (C) 0 (t.n) Companify: Spau O(n)