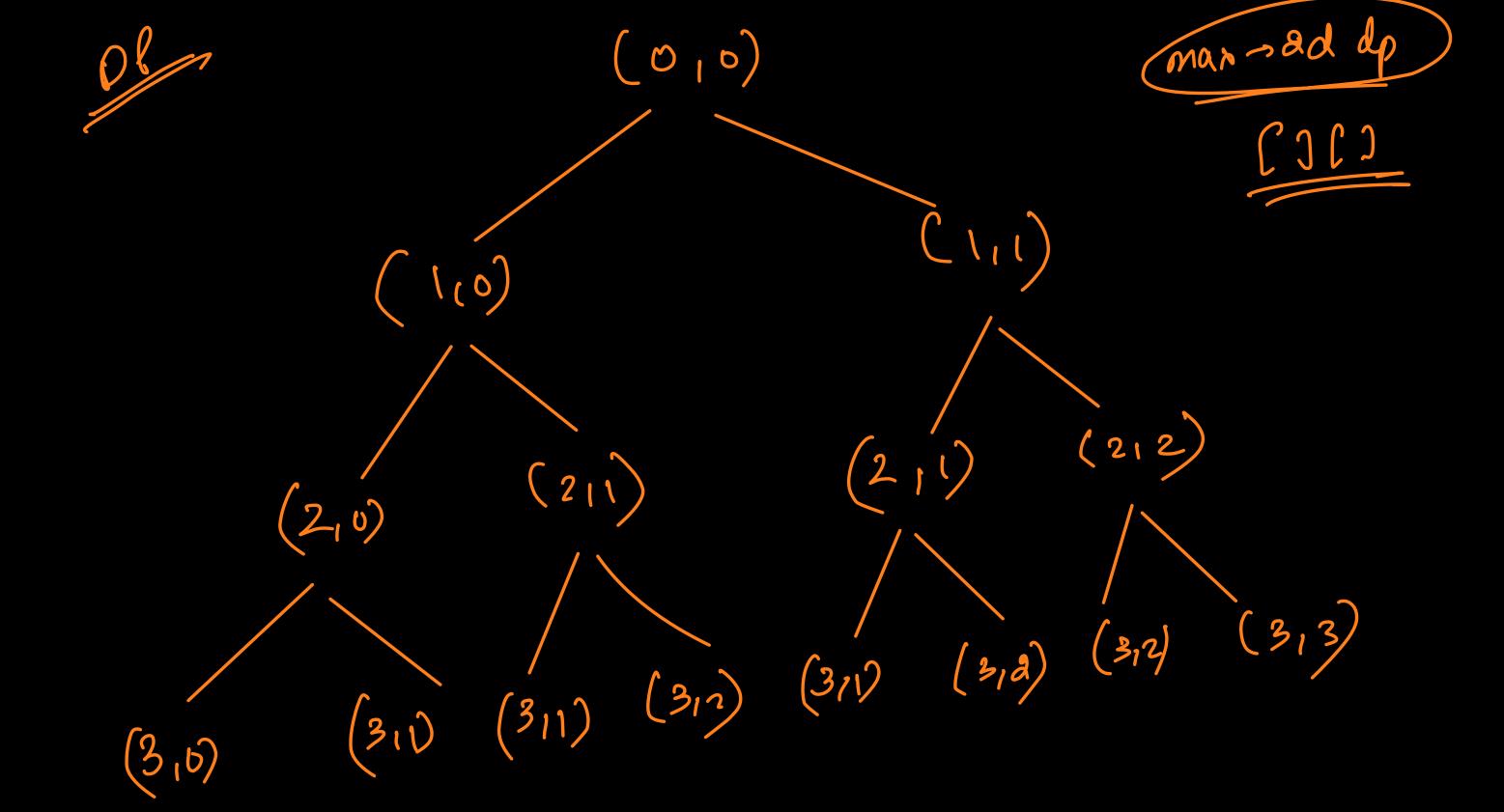
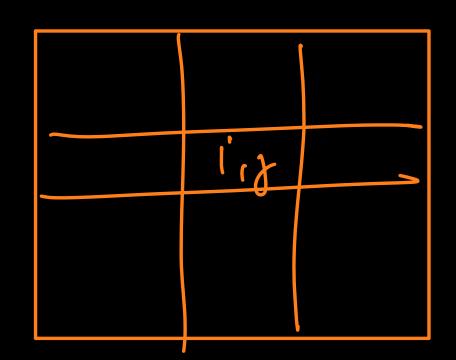
row, i rowtl, it 70W 41, 1° min fath sum current (i+1) the inder uu Bick from every row elent ans - of min (x,y) 2-> min path sum from y si min fath Sum from a

f (row, coi) = mat[row] (cou) thin f (rowt), coi) f (20m+1 (coft)) Lunchim rutures the min Buter Sum if we stant from (2010, co.1) Base (age) if (row = = last kow)

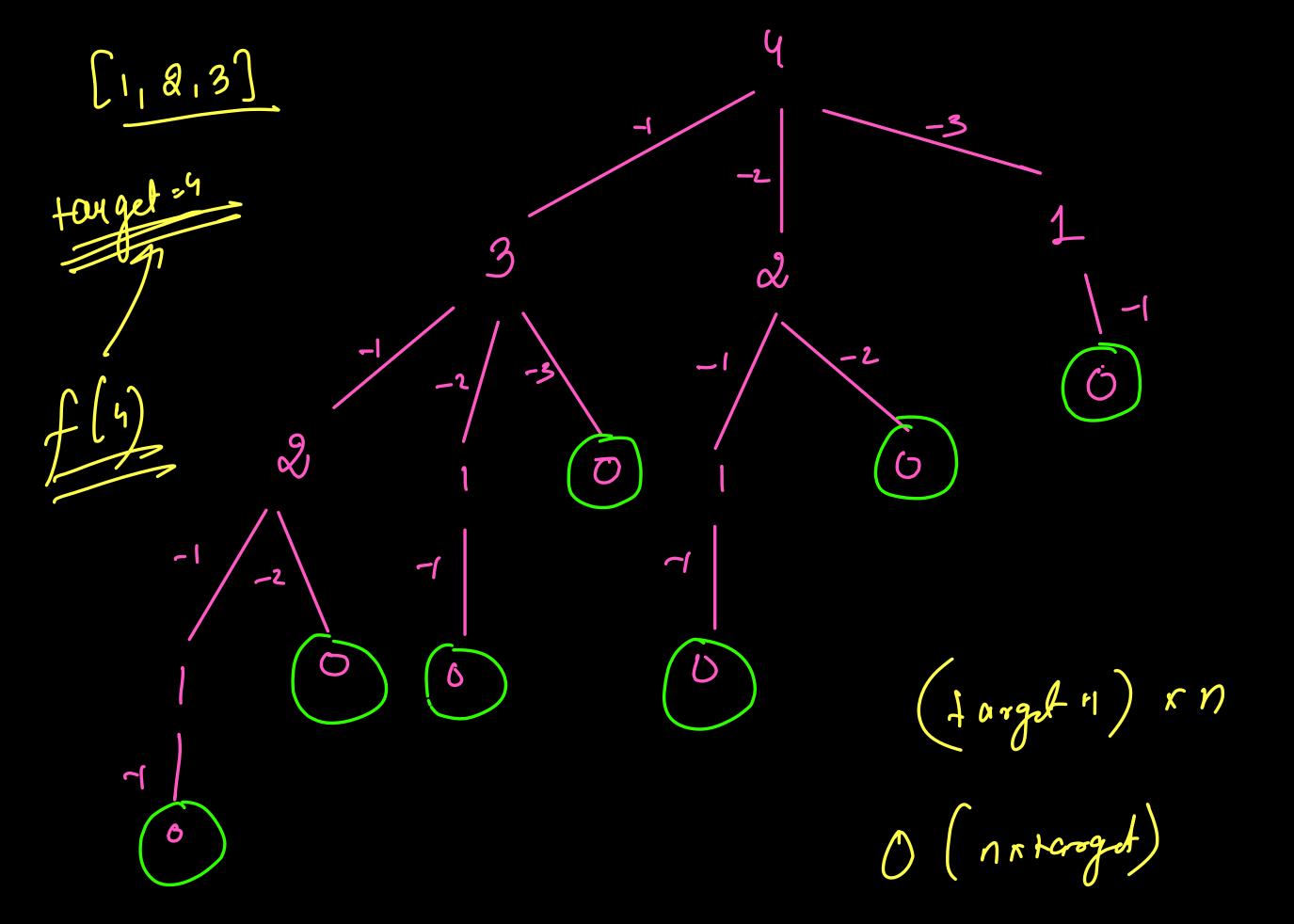
return mat (row) (101)

ans = f(0,6)





 $d\rho(i)(j) \rightarrow (i'ij)$



f (target) rollins no. of ways combinations for the general toyot

f (tayet -aro (o)) f (tayet - 9 or (17) f (foulet - am (n.1) Base Can

(tayst ==0)

and 1

Subsquen -> continuty doesn't matter Relative ordery malter (1,4) (3,4)[1,2,3,4] $\left(1,3\right)$ $\left(2,3,9\right)$ But (411) X Swing of

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[1,3,5,4,7]

Jongent Ine subseque de fly un out length og the lis ending at under i.

Breute, l'agenerate all fossible subsequences

(1, 43) (1,3) (3) (43) (1,2)

 $\begin{bmatrix} 1 & 3 & 5 & 4 & 7 \\ 1 & 3 & 5 & 4 \\ 2 & 3 & 7 \\ 3 & 2 & 3 & 4 \\ 2 & 3 & 3 & 4 \\ 3 & 3 & 4 \\ 3 & 3 & 5 \\ 3 & 3 & 5 \\ 3 & 3$ f(i) = max(1+f(j))lyptigned the sending at the second condition of the sending at the second condition of the second conditions are second conditions. count (i) > 00 of lis of layly f and man (f(?)) Hi (fo, 1-1)

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