

Special class

Love Babbar • June 3, 2023

PAST De Dikho Dynamic Programming Jo ek bran calendete Kr Chuke ho, we dubank Calculate Kone Kineed Job - Jown > Rearnied

Hemoisation (nati hai Bo Hom Up -> (tabulation) Obtinisation

when to apply / Overlapping Ophmal Sup problems Substructure Opinch Soly Same problem Ko baar baar Bigger Publim solve Krye ho Cen 51 Calculated using Optimal roll of smaller publim ibona (c 0, 1 R. R → £13) k (s)

Rec!-+ (Mono isation (1) Creat &p very Vector (in+) dp (n+1, -1); (2) ans store dp (3) B.C K Just back check if assur already exists

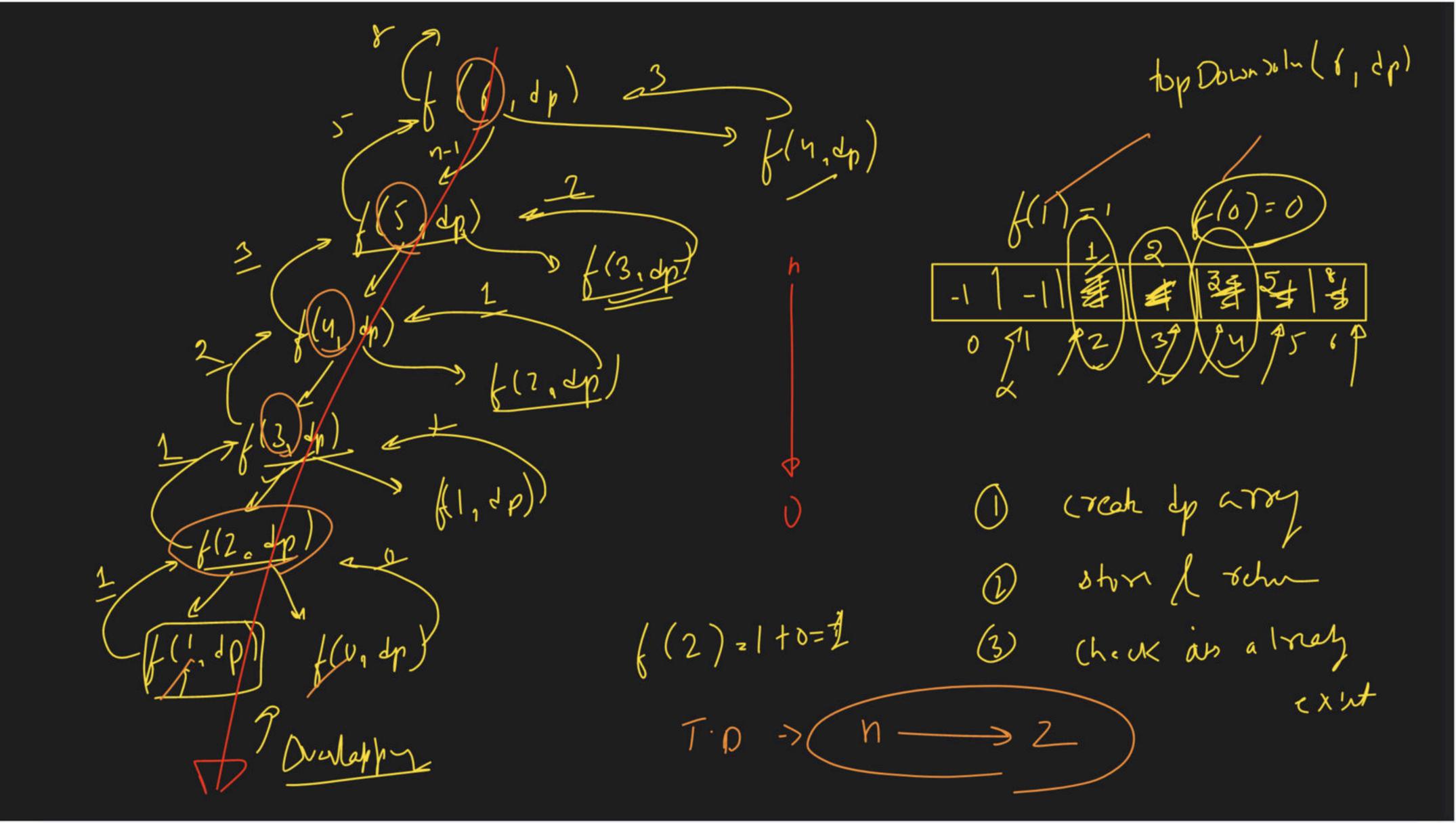
0 -> n (h->9) n+1 fib (int n) if (n = = 1 || n = = 0) if (dp[h]!=-1) roburn n; return any,

dp[n]

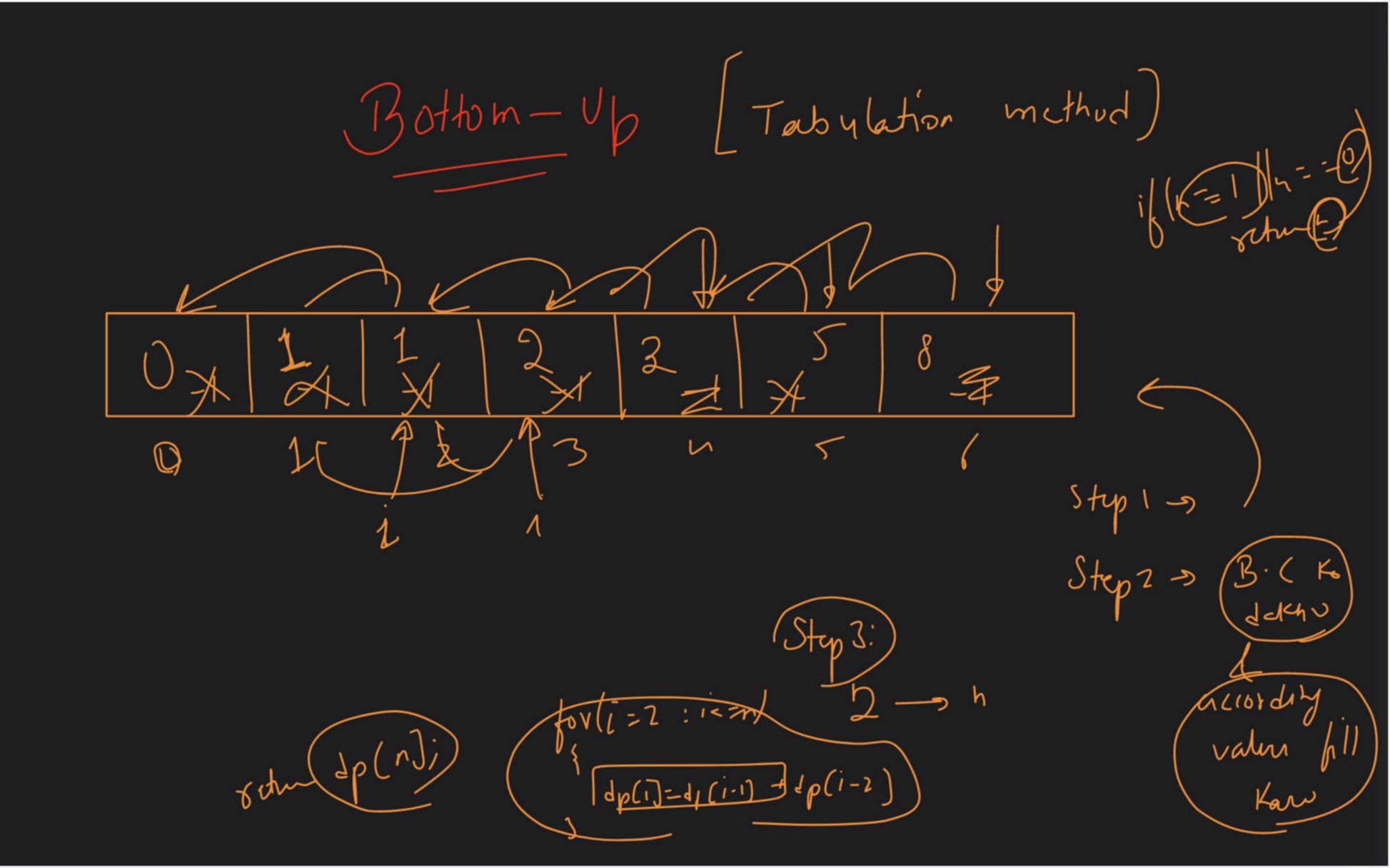
tolong = fin (n-z)

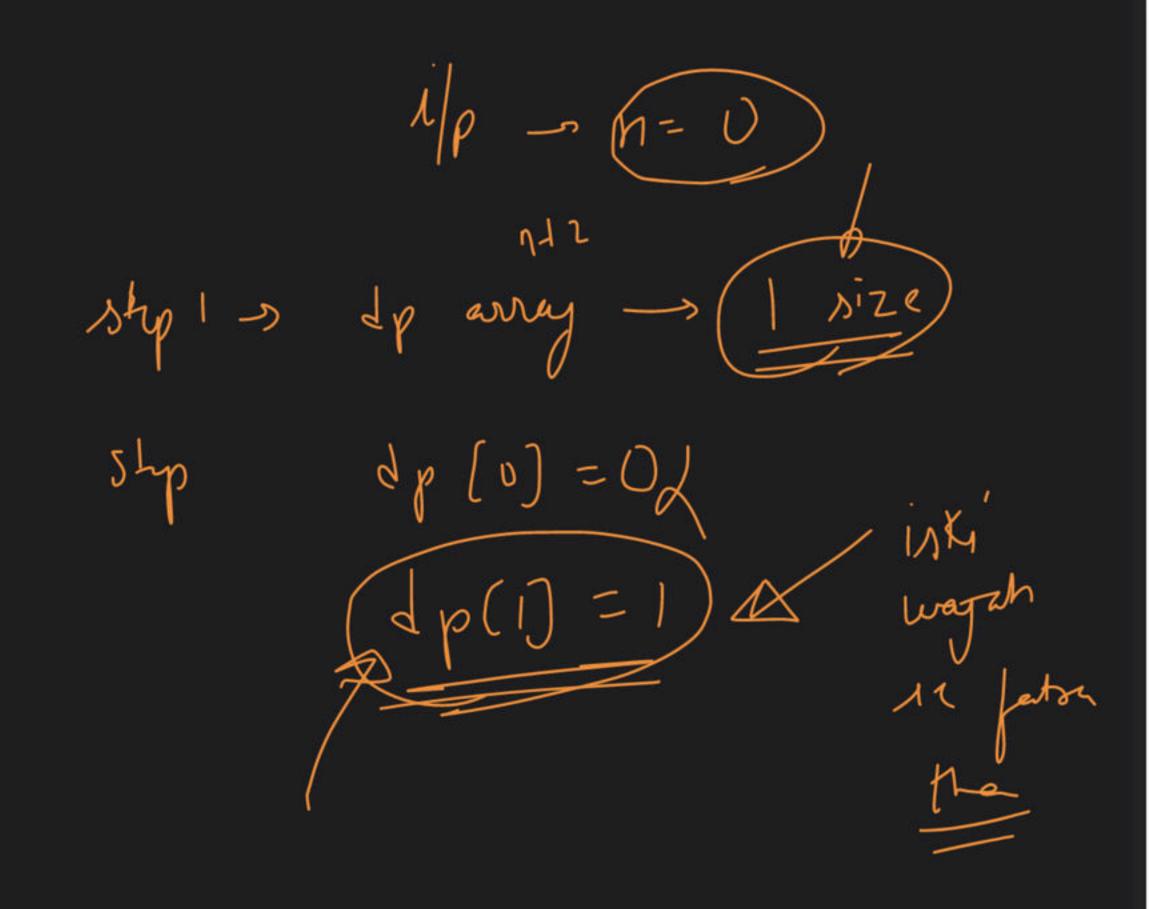
return any,

dp[n]

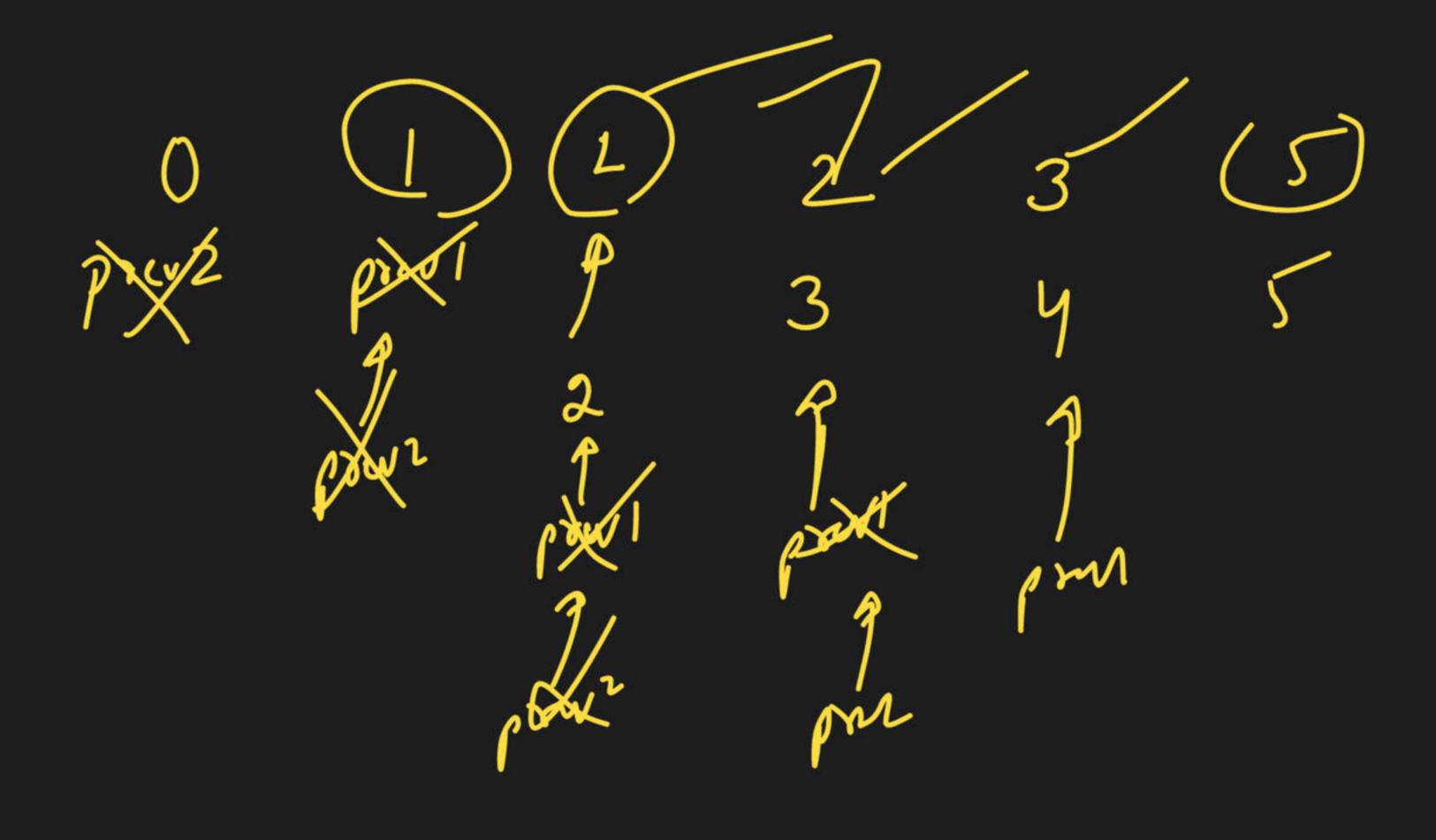


down top down





Optimisation!-



Lichera (h)2 (/n.1)+/(n.2) Mant

Libonacu (1) Recupive f(r) = f(n-1) + f(n-2)John L (1) Momois who h J(I) de array (scat (F) Also John & replan 42 (III) Just B.C. if (dp[n]]:-1) return 4p[n] Yether Agent / Ja[n].

if (n = =0 / ln =- / // shpl -> (reak de array) OBottom - Up (tabulation top Dow/Ric -> B.C dekh K (method) padd according with tim. Kata si Kata tak

Ophmisation: Rcc , T \$ 5 \$

