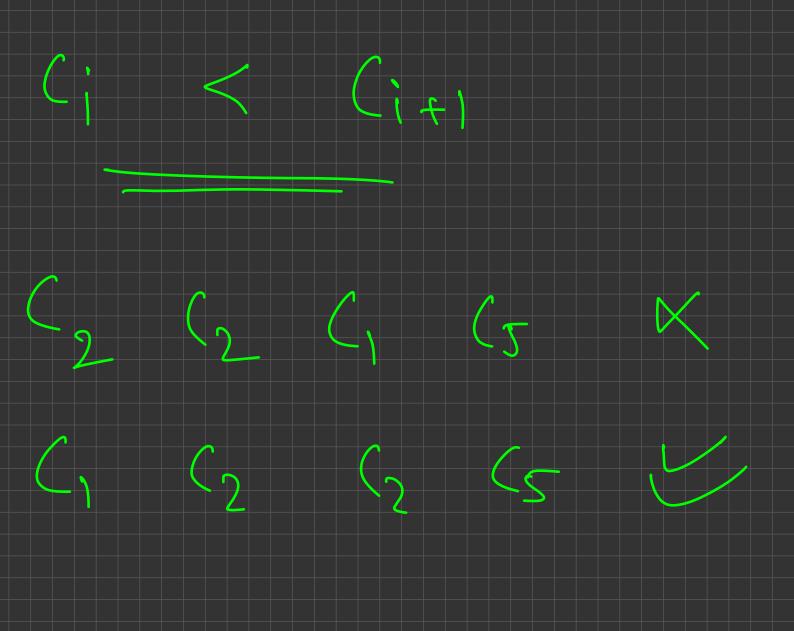
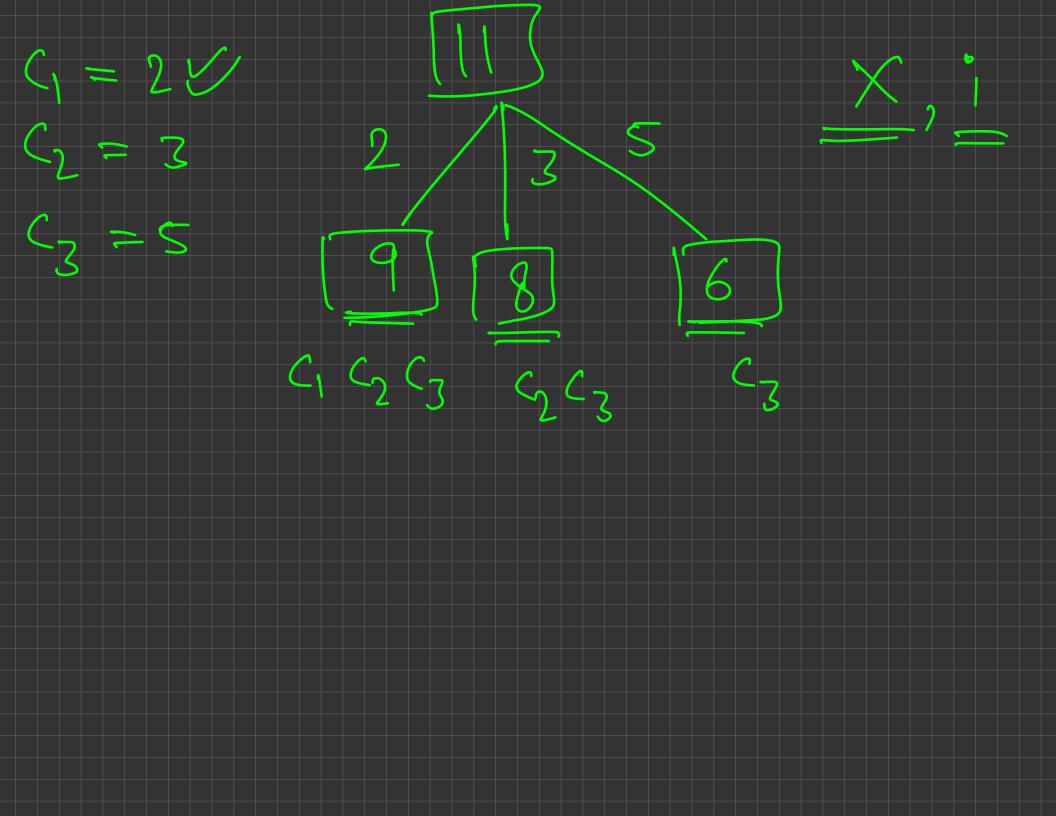
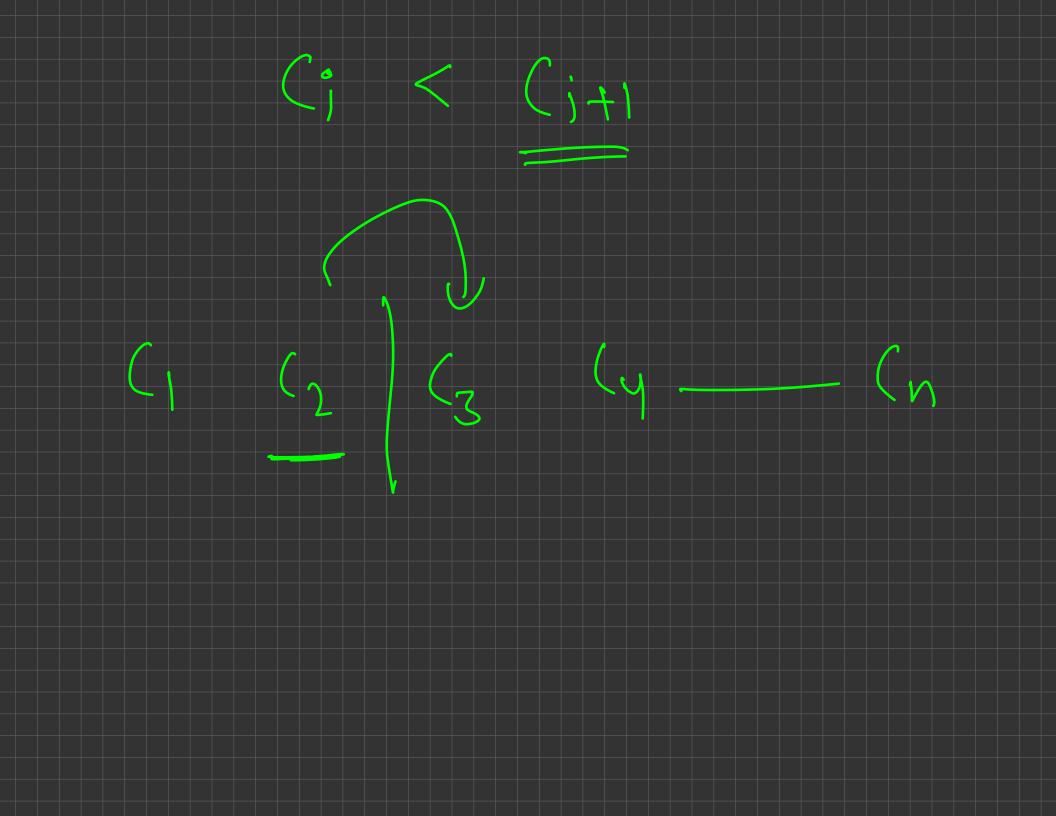
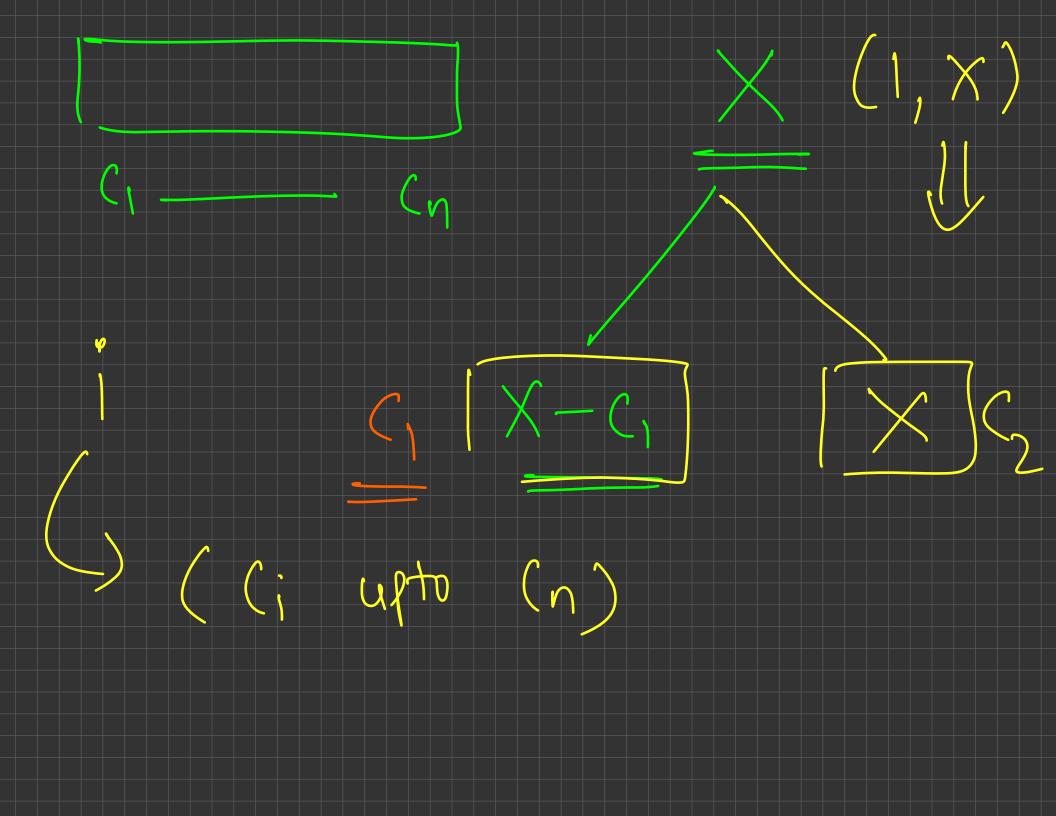


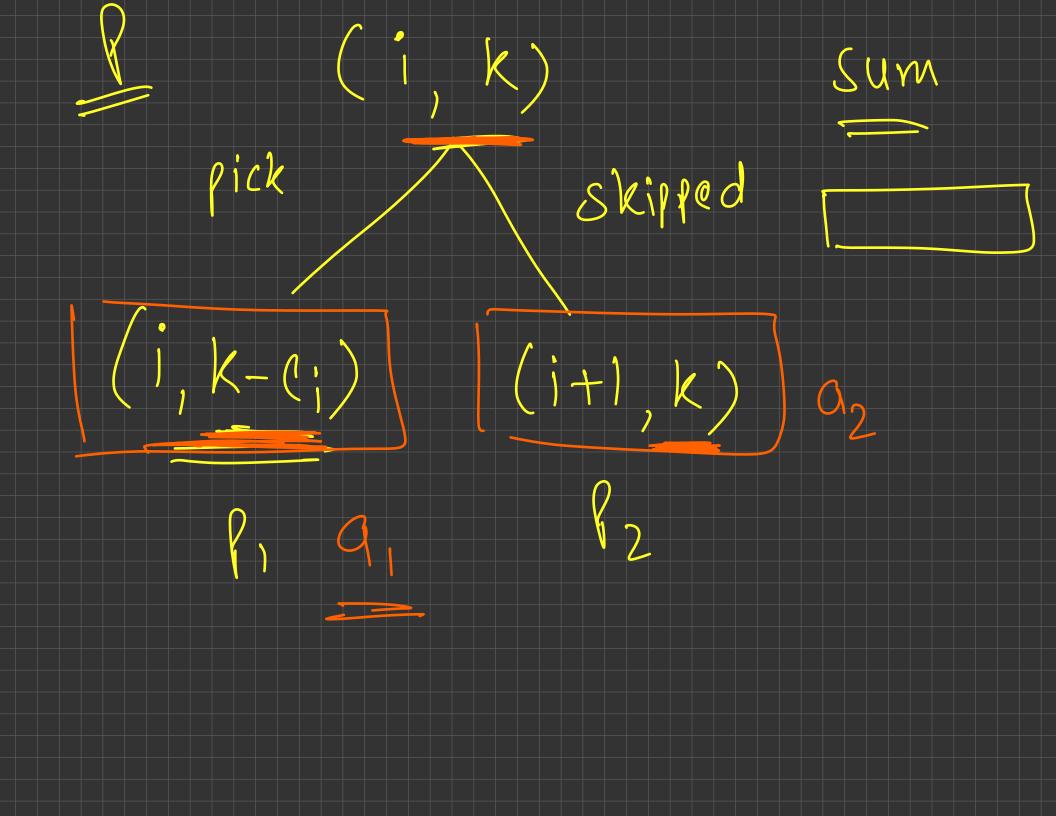
$$C_{1}$$
 C_{2} C_{3} C_{4} C_{5}
 C_{1} C_{1} C_{2} C_{2} C_{5} $= \times$
 C_{1} C_{2} C_{1} C_{2} C_{5} $= \times$
 C_{2} C_{1} C_{2} C_{3} C_{4} C_{5} $= \times$











d(i)(k) = no. of ways to get a sum of k such that all Coins from Conto (n ax Pickable and all coins before Ci ar skilled. State

de (i+1) [k] skip coin i 0 (i) (k) dp(i)(k-ci) Picking trawition (0)1/1 Base Case: d?(i)(o) = 1Hi from 1 to n

Final subproblem

dP(1)[x]

line Complexity! H states x TrT d P(i)(k) 0(1) 1 to N O to X $O(nx) \cdot O(1) = O(nx)$

Space Complexity: # states (M.X)

df(i+1)[k] de(i)(k) d? (i) [le-ci) k -> k and k-c; i and 1+)

L. H.S. RIHIS