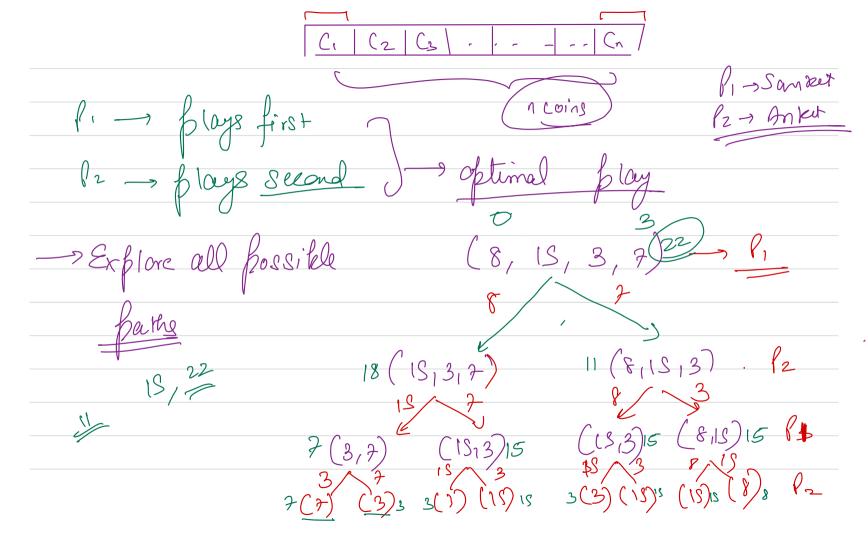
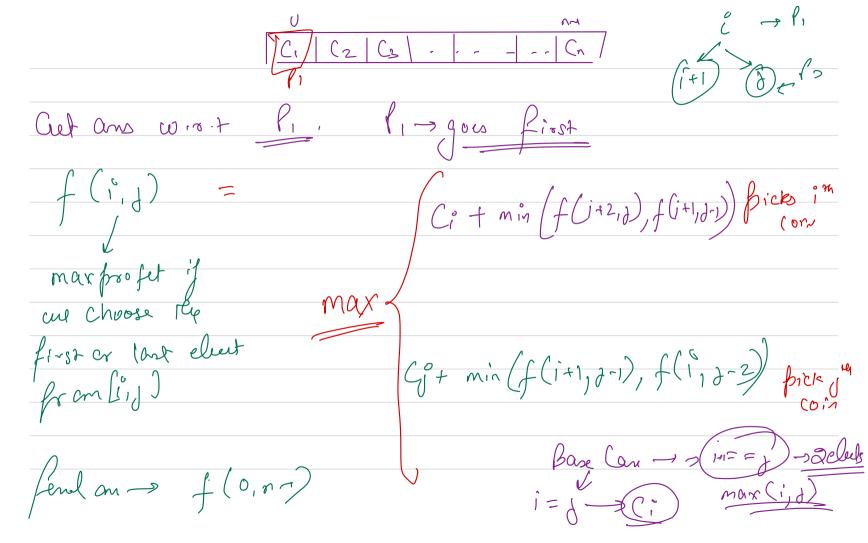
De There are & players, and n coins (n-cuen). They flay a game where they have alternate teams. In each two a player can piek a coin from the Start or the end of the n cois. Determine the max profit for the player playing the first leen. Consider 60 th

(2 1 Loins Pr -> plays first 12 - plays second) optimal play (18) 8, 15, 3, (7) woon opproal

of pickey greating Value first.





items capacity of knops ouch -> 64 un Com bick any

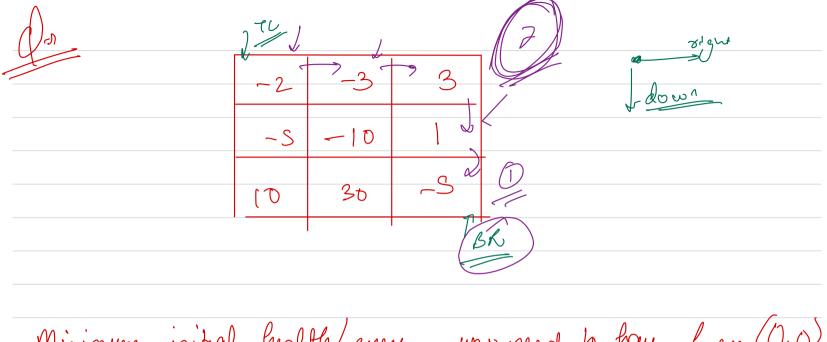
Knobsack so $(i-1, \omega)$ to, we can only enclude mar profit ky Considering Choi'us on the first i clements with target wt as W

Ô SD -> 2 4-4 marprofit SO + dp (1) lo) items on the first i man prost

(+(i-1, v), Till Huith element, no get a fro fet V, f(i-1, V-V(i)) + w+(i)what is the min wt, me can piek.) for which $f(n, v) \leq \underline{w}$ Target

und value vi le weglet wê, we need to find the max amount of profit we can make, . With one condition that here we can puck multiple instances of one elem. V- [10, 40, Sq 70] W=100 W=8v-> [1,30] find as -> 110 Tinster of Swt 80 1 g 3 mp ano - 100 - fick loo endangs 70440

-> permetal
-> perombal -> Cambirot -> min (oin)
min (our)



Minimum initial health/energy you need to have from (0,0)

ho recould bottom vight. if your energy drops to 0,

you loose,

