Soldwie How to compute lest (Transaction) Scenario Group A-B-C-D En Dense 2 amount = 500 Parial By C: 500













Muse need to calculate

everyon paid

1) add how much they

had baid

how much latera

+500 -260 +0 - 150 +500 -800



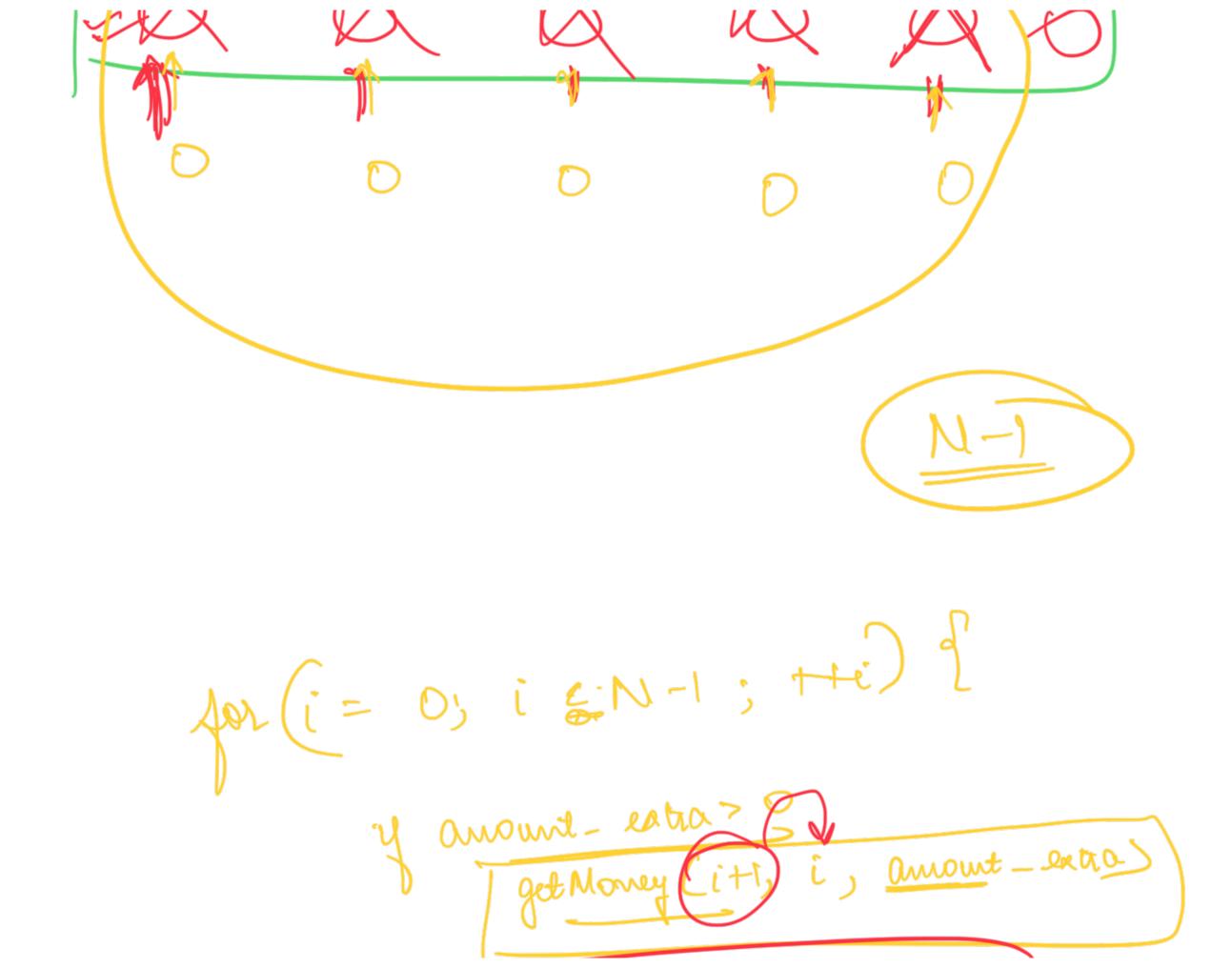
Subtract how much

and an heigh

T500+500 -250 200 -500

if a person is we 3 they bonne paid les if a person is the -> Boy paid exten MANTEN 1: Give to next person

> yeur -I care about myself 1) either I will pay to the next one Doe Dwill get from the next one and the next one will take core about



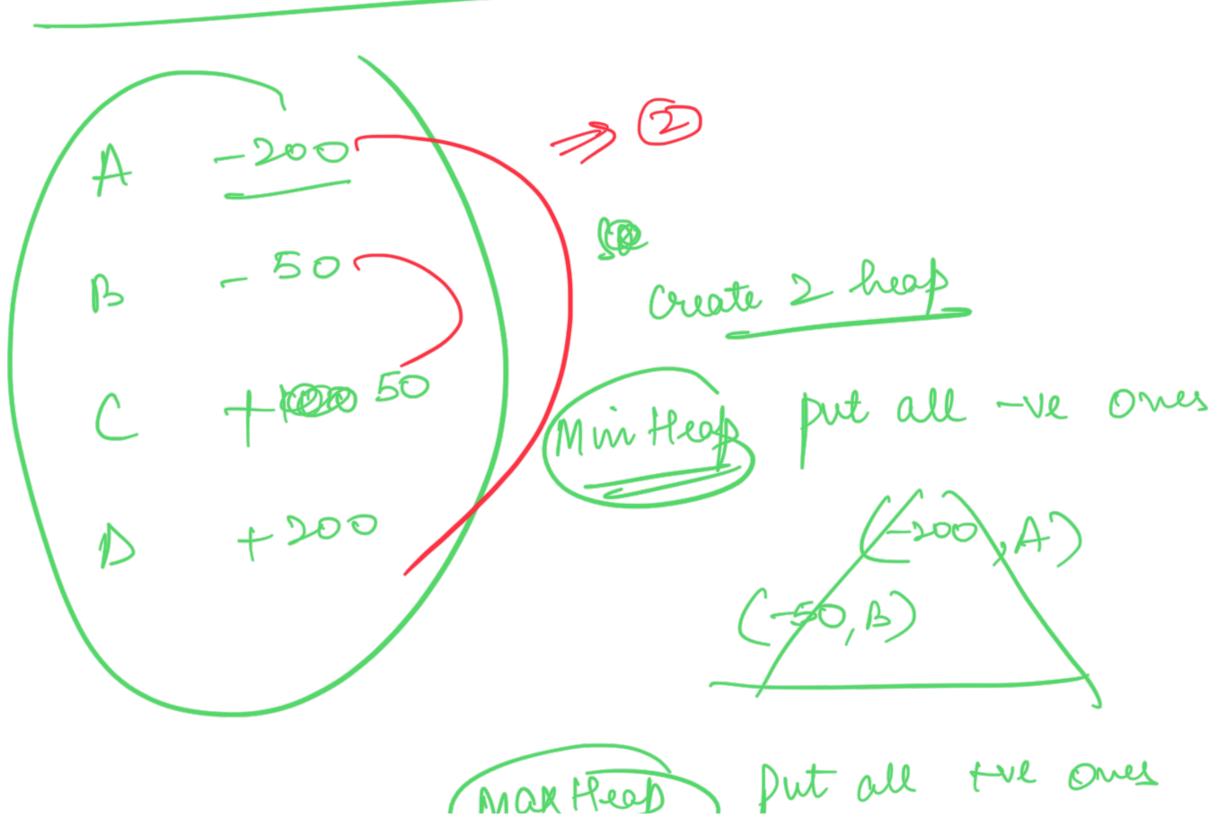
increamount eatra of it! elle y amount-eatra 20 gine Money (ĉ+1, i, amount\_leter) reduce easter amount from i'M 100

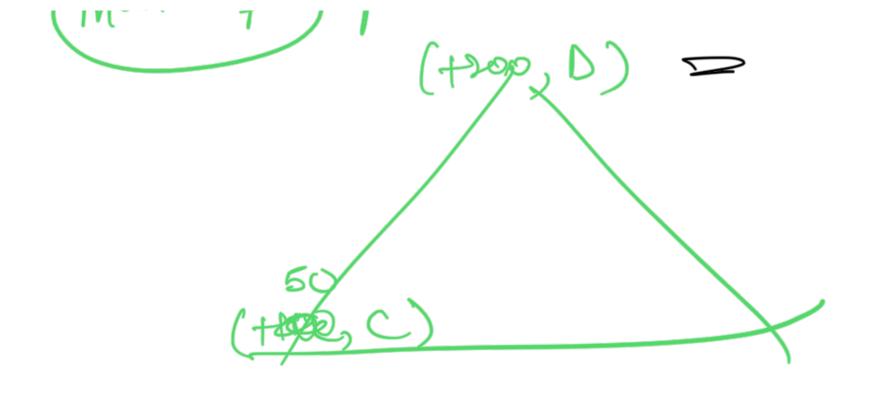


Transacture: (B, A, 60)
(CC, B, 100)

Arrah titt 10:25

Class Teacher Approach Class Collected money from ever For Benchy Berelius ) ) [ ] Grup Admin





a) get the minimum # from men heap

(-200, A)

b) get the max = # from max heap

(+200, D)

c) De Zero the person who has the lesser Scenario 1 (200, D) A gries 150 to 1 ( D, 50) (-200, A) (150XA)
D tales 50 pm A = (A, -50) Schario 2 (×°, D) ( >0, A) 2 cenario 3

## A gevies 200 to D

d) If there is a person who is little not zero, put them in the heap ha

(com)

Complex to implement

DON logn)

3) Space comp of O(N)



give you an algo problem that don't core that for that

Algo to guaranteed numering the Hof transaction

MoX

in polynomial tim

NP- Hard S Brute Force