Part a:

ivalue of inthe update number of updates

if
$$i = 1$$

if $i = 1$

Pat b:

rates at least value number at updates

$$|CH| \qquad |CH| \qquad 2$$

$$|CH| \qquad |CH| \qquad 2$$

$$|CH| \qquad |CH| \qquad |$$

Pot C

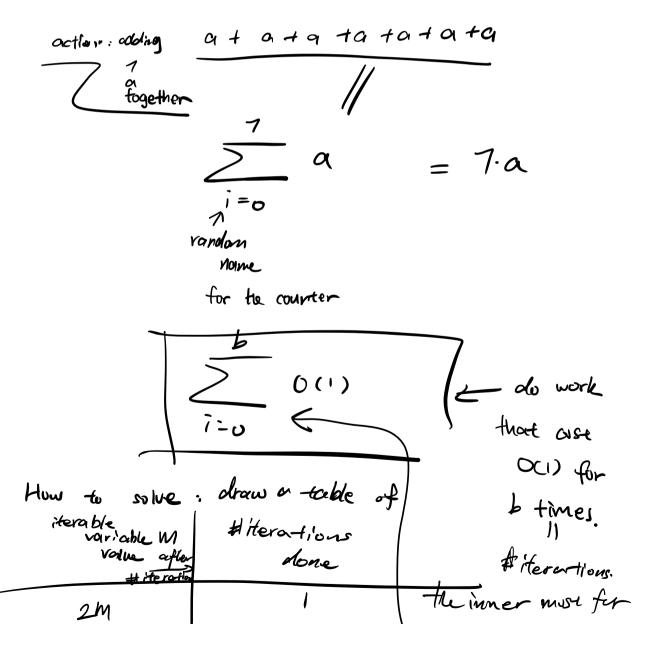
E

E

E

G(1)

a



(leup body is executed. 8 m the Keep in mind that ofter 6 iterations. the for hop ends. I Which means value of m = the termination value = 4 So we found - 2 m = u Remember the goal: so we fort interms of n! From what eguation From this one. conswer should b:

$$\Theta(n^2) + \Theta(n \log n)$$

B(n2)

Pout d

$$\Theta(n) + \Theta(n) = \Theta(n)$$