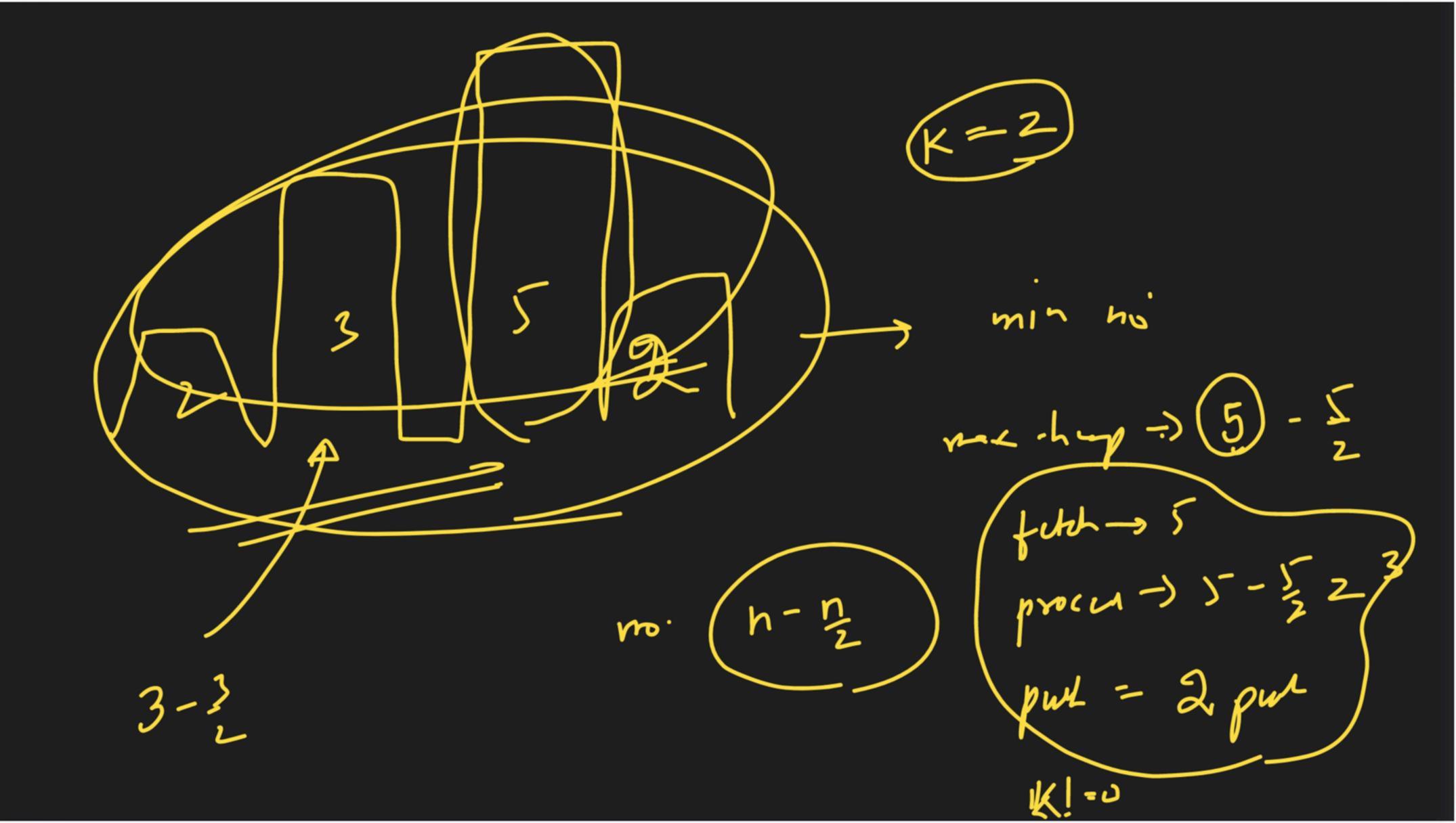
## Heap Class-4

Special class



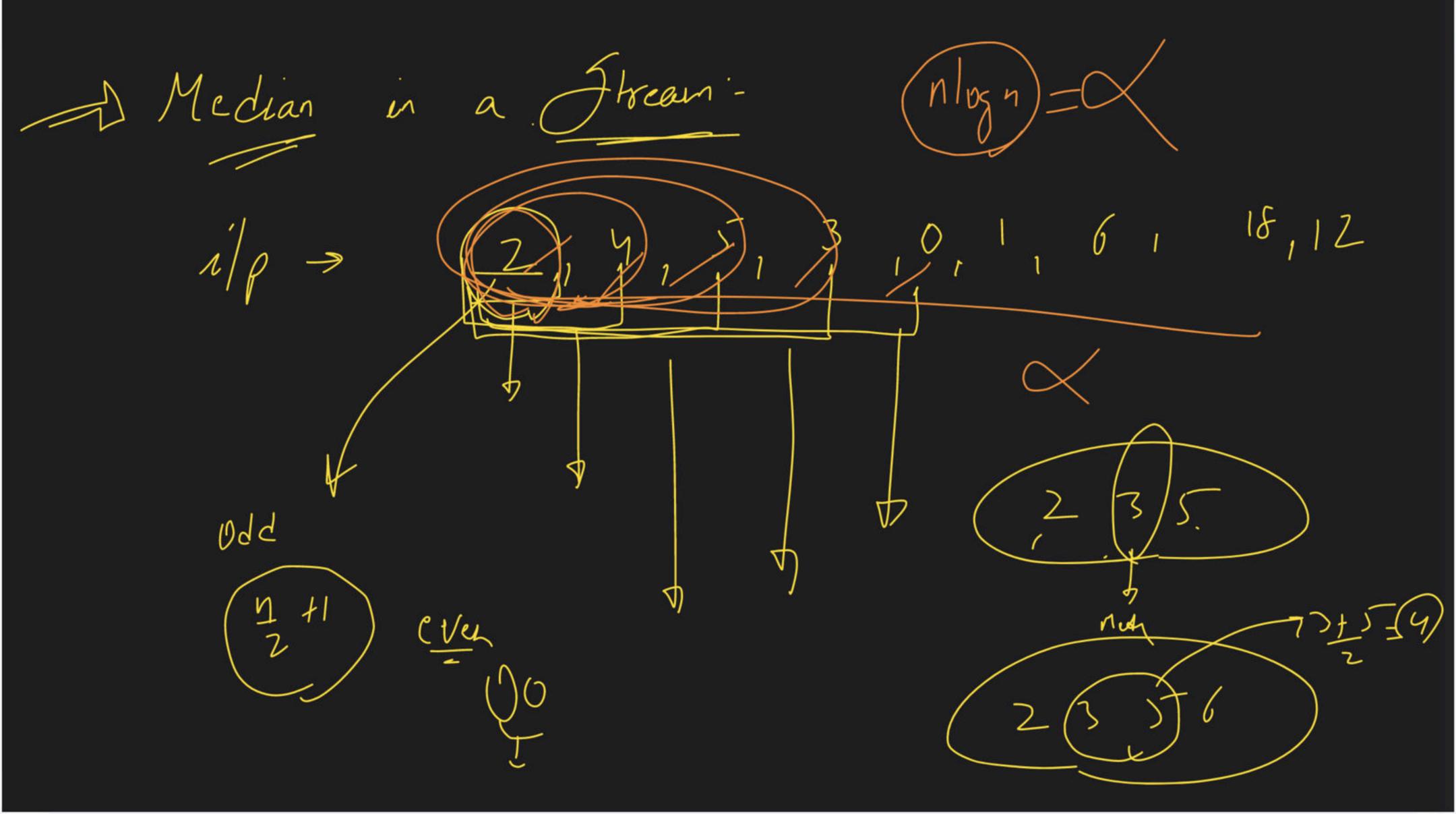
Reorganise Strings aabbaabcd" R->4 b +3 C71 9->1

5-lr = "spsspssspnhilagradard" top - 2 don't Bus puh -> du -> pry up cot Wern - heep

man-hup m > xa りったの i -> D

Longest Happy String:  $a \rightarrow 3$ 是一天是夏人 少数发 5 - 4 一大多多人 C > 4 ecbbecaa cabbal

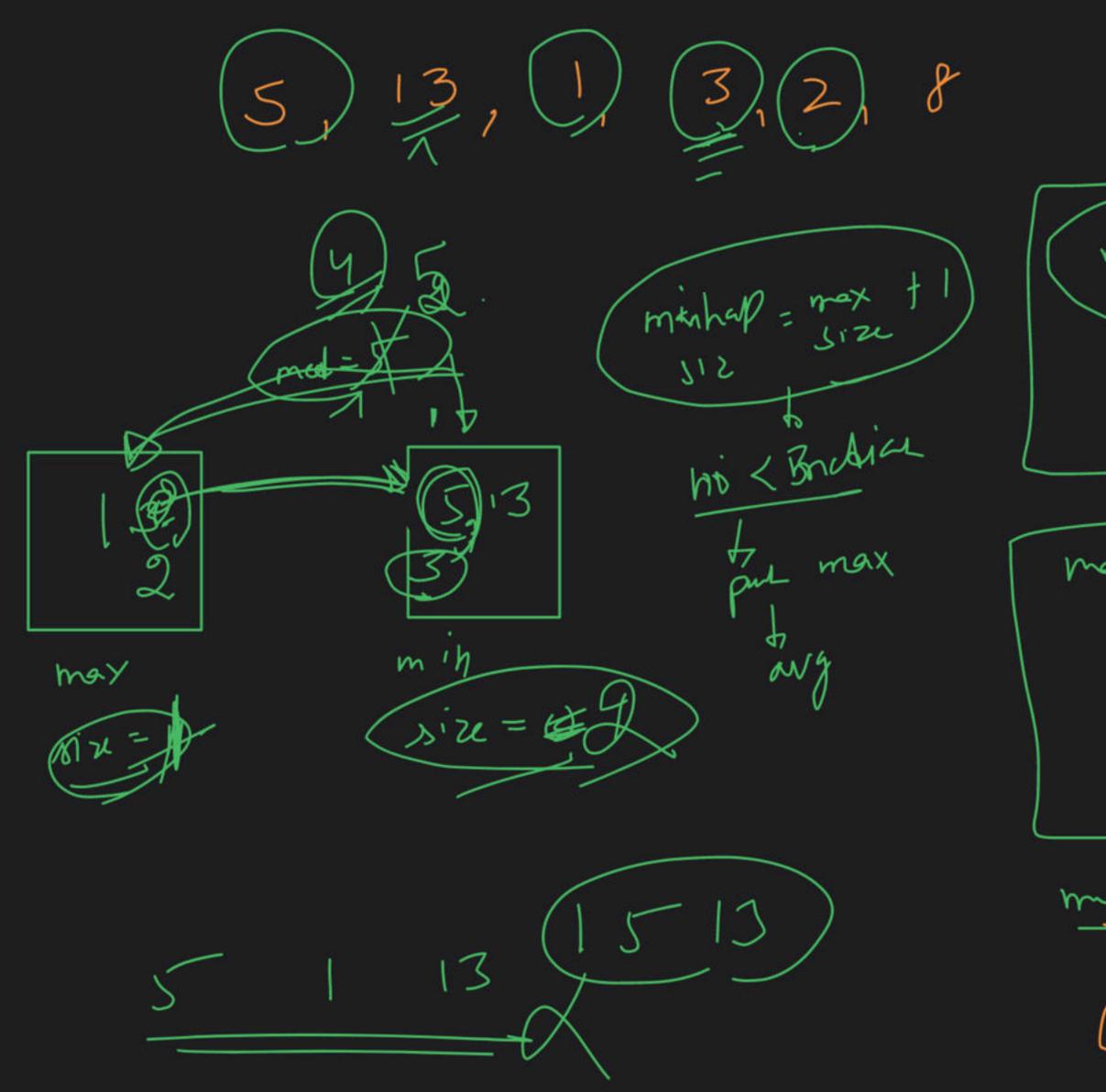
and him almost こっと かっ الحار and CCCX,



ma 0 **8** ナン 2

 $\frac{i}{p} \rightarrow \frac{5}{15}, \frac{15}{13}, \frac{2}{3}$ 

Algo



median=0

mex = = min size = = size no > media > mexpul

mox size = min size +1

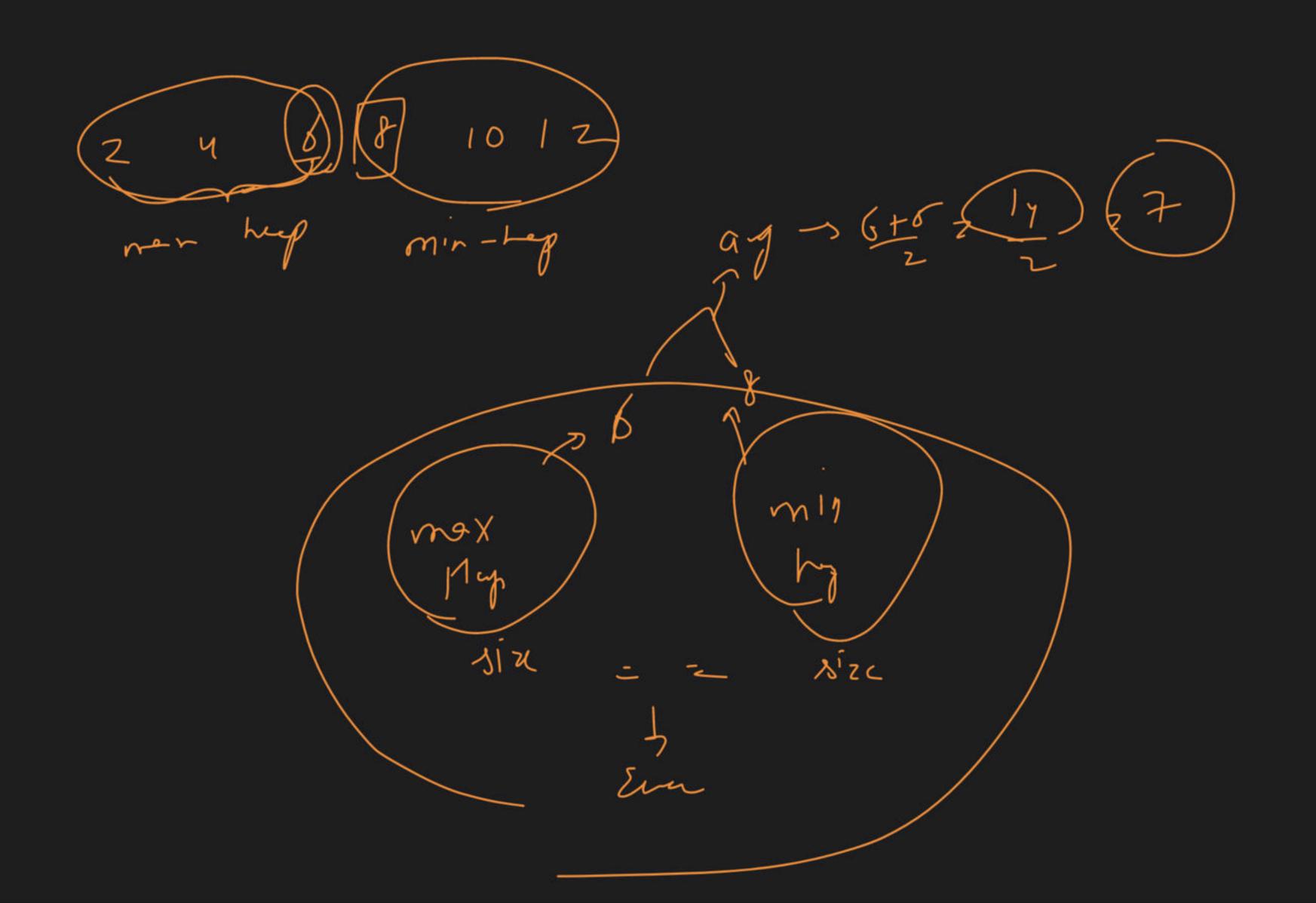
no > median -> minheup

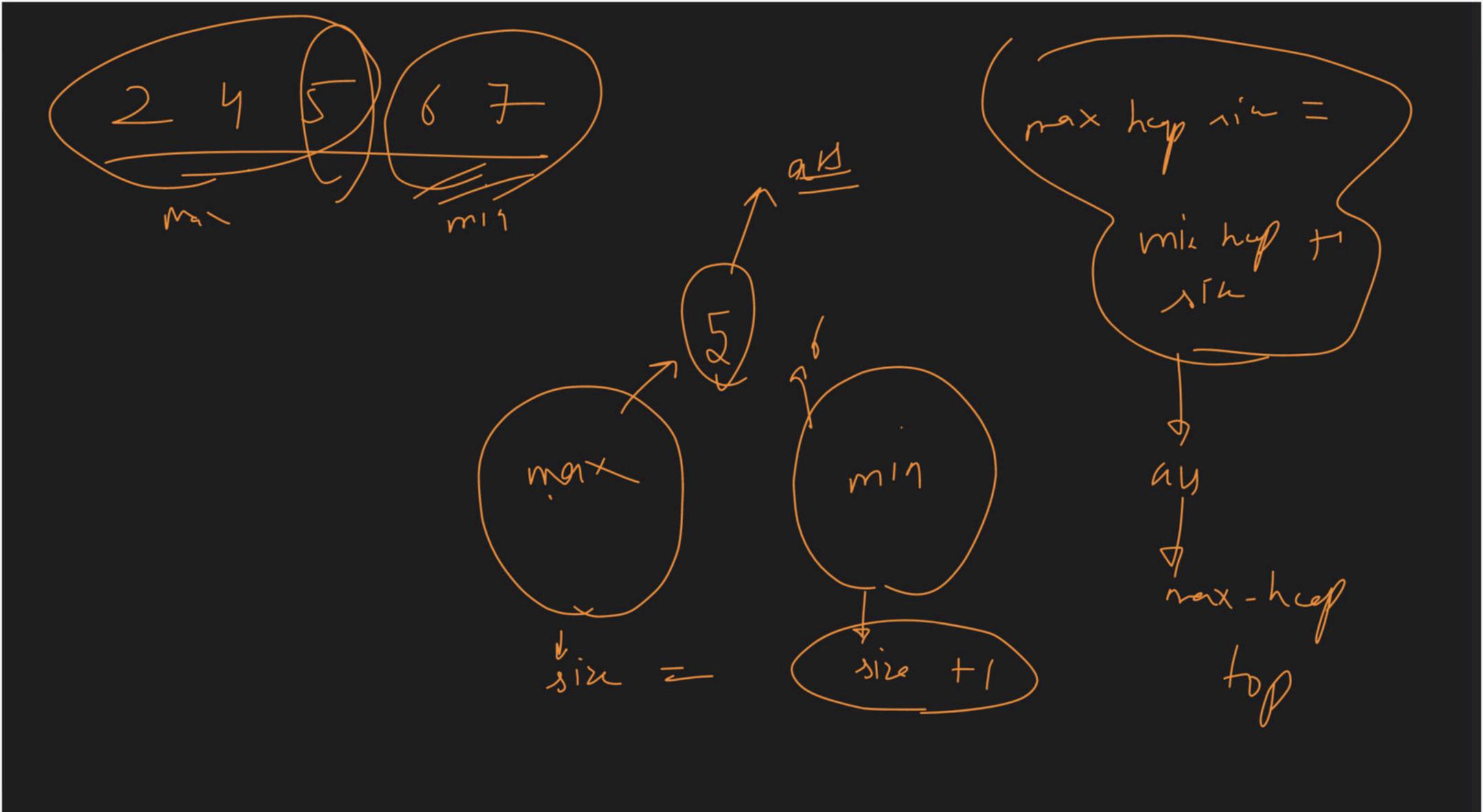
pur

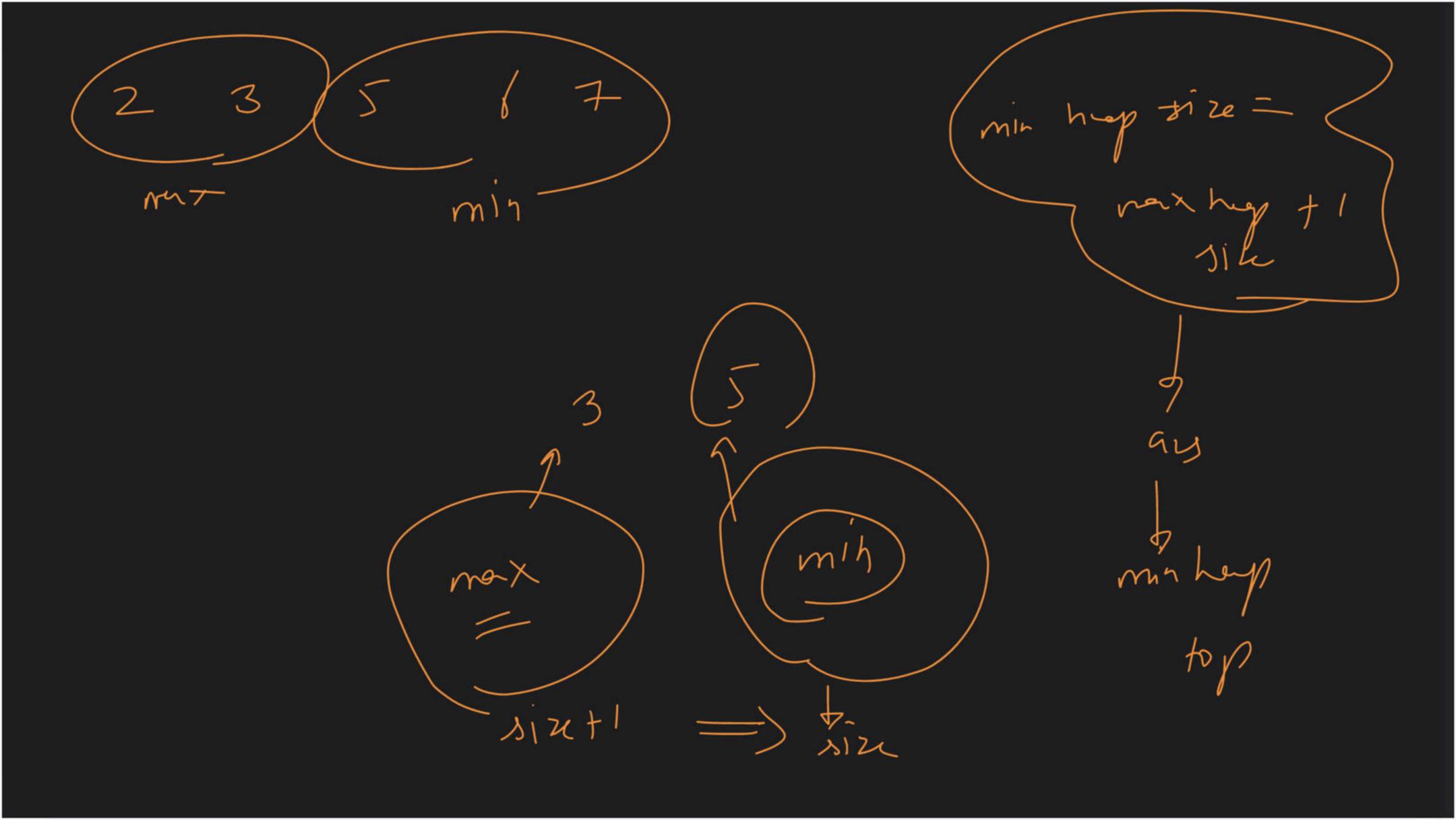
mediu = arg

mx siz = - min size

no meda mer Topos mig







mIh max 1120 size

als Top

max
hup - hup + 1
size

Aiz

Aiz

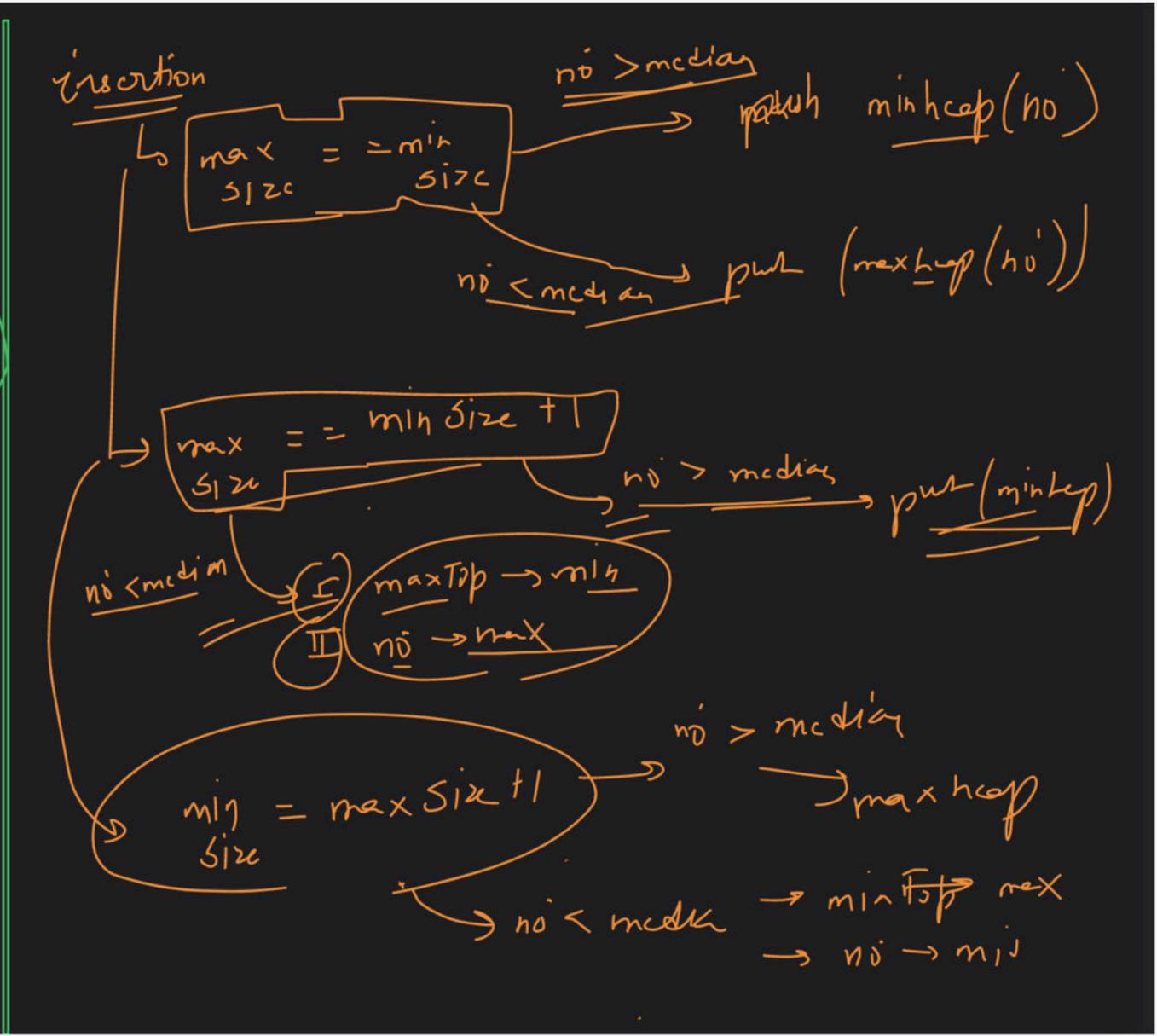
Aiz

als - minicip

min her - nex heap + 1

diff = 1

Obs: may size = min size Imedian > avg (martip)
(Mintop) > mor size = minjire +1 modian > (rutur maxtop) g min six - m-x six +1 / median > (mintop)



no > ohe dian uns cetion minTop -> mex mex +1 maxi-pul the < mediza med = 2 no= 21 NO: 2



