

Hell, N. Inwho?

Void inorder (int idn)?

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if (idn 7= N) ret;

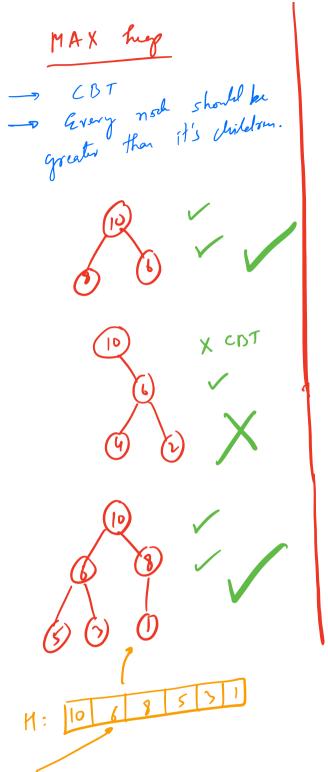
inorder (2 x idn + 1);

print (H[idn));

prorder (2 x idn + 2);

}

ı



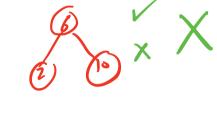
MIN hip

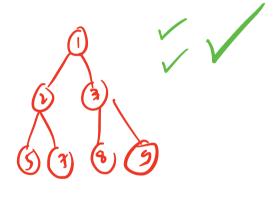
Small

Small

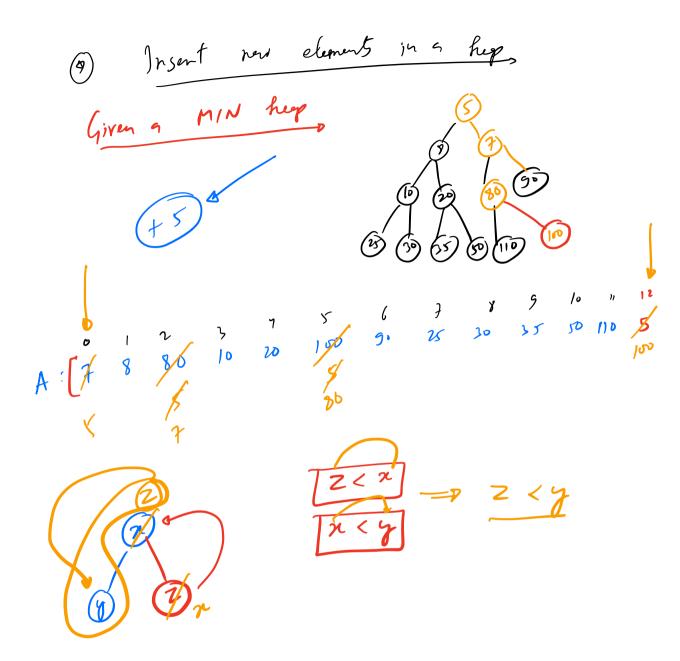
X

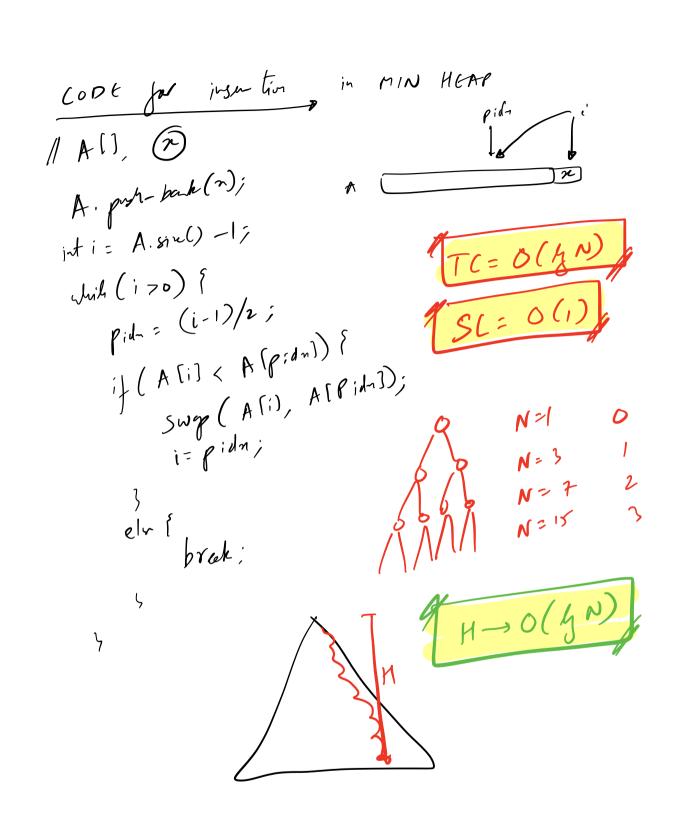
X



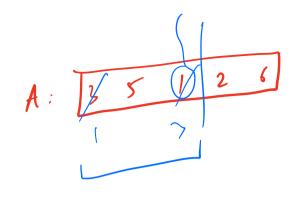


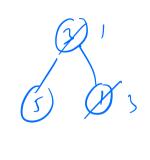
I Given an erry. check if it is a MIN hep! f (i:0 ~ N-1) 9 if (R(; < N ++ A(i) > A(R(;3)) { rut tow; - Given a MAX heep

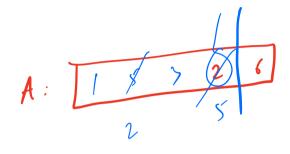


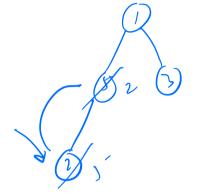


of Given N elements. (rest a MIN hop! 1) Sort TC = O(Ng N)









$$TC = \frac{1}{2}(1) + \frac{1}{2}(2) + \frac{1}{2}(3) + \cdots + \frac{1}{2}(N)$$

$$\frac{1}{2}(N) = \frac{1}{2}(N)$$

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Heapity MAX hop Preconditions

[Entire true should be a CBT

[LST should be a MAX hup. V > RST 2°

4

hepify (i) { figure ent which is govelor if (A(i) > (LC RC)) ch 9 swy(Asi), gratt (LC, RC) hopify (indi-)

of Given N climents. Great a MAX heapont of it! f (i= (N-2)/2 -- 0) 5 hapify (i);

