$T(n) = T\left(\frac{n}{3}\right) + T\left(\frac{2n}{T}\right) + n^2 \text{ is in } O(n^2\log_2 n).$ 1(字) 1(字) =) (字十字)=n 7(是) (是) 7(是) 7(是) =)(产于河口) (2 + 1) = 6 m =) 1 by the tree we can get the right

side work must be more than tefe side work so that 11 a unbalance quee. so that he o (logar) because the shortest path are tong heing divided by park length will equal to tog, n. and because the Least depth is O (200/ (complexity is O (dopth - height = O(n' log_n) 2. I think the first one must be all element are same. Osane like [10, 10, 10, 10, 10, 10, 10, 10] D liggest on the biggose are and smallest one is one the right file will he O smallor on hel eou like [], T, 7, 4,1,2. F. 10, 40, 90)
Ale right Dipine number choose [4,2,1,9,50,9,3.7,6.07 and the give number will be the worse-case too like. when we (10, 20.30, 40, 40, 60, 70, 80, 90, (00))

Choose (0)

(100, 90. 80, 70, 60. 50, 40, 10, 20. (0)) to both size that will use line because that are unbalance such. The operating logic of max priority queue is mainly based on another value carried by the value. I named this value here as key.

The stack data structure is LIFO, so we only need to ensure that the last in key is the maximum to ensure that it runs first.

 $\{5(0),6(1),8(2),4(3)\}\ ()$ is the key

For queue, we only need to ensure that the key of the most advanced value is the largest, then the value of First in will be run first.

 $\{5(3),6(2),8(1),4(0)\}\ ()$ is the key

1. Stack last in , first one (21+0)
1. Stack lase in, first one (2170) Langue fish in, first one (FLFO)
the max priority quene. is implementation by the key
The section of the se
I means. when you dah a element slack, you need too.
I means. when you odd a element stack, you need two. element key and value.
(key is the max, the key to make sure which one one. value is the value of you want to add to your seach.
value is the value of you want to add to your seach
O stack (key, value) when you add a value. when everytime push (), (key te). the end of one value's key will be the maximum one. so the last one will be pop fixse.
when you all a value.
at the begin. Key =0.
when everytime push (), (key et).
the end of one value's key will be the maximum one.
so the last one will be pop fixse
I so for the max priority queve to implement on to queve - the main point is sure with stack the is the value of key
the @ main point is sure with stack the is the value of box
because max priority quene it pop by hey first.
like land a within 10 d 2 1 b
the when see we pair in [o. 1. [b , 5. b
like when we we push in 10.9.7, 6, 7.6
when they have two. after max privately
posame value 10.9.7.6.66.1.
when they have two. after max priviley some value like we have two 6 al here.
The at have took to be to be with the
0 0
00 10.9.7.6,6.5
first in next in.
we find @ key is more so we now move out @ 6 first, and next
will be 6 g
U).

ige predecessor maximum & vigh successor minimum & 4. y lesk y vijk & lesk zvighe. So at the first is y have y vight y[value] <= y. V.ybe (= X (value)] if I did like that the y [value] => y.left. chaye to locate y. vight => y. X 5 X. if & have & left ×[volve] & 8. lefte (= Z. volere 8. left = 2 2. 7 2. vigh for example 1.2.3.4.