

Maps & Sets

Part - 3

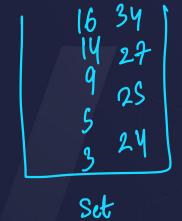
Raghav Garg

[Leetcode - 560]

arr =
$$\{3, 2, 4, 5, 2, 8, 1, 2, 7\}$$
 K=9

pre = $\{3, 5, 9, 14, 16, 24, 25, 27, 34\}$

count = \$1784



arr =
$$\{-1,-1,1\}$$
 $k=0$
G pre = $\{-1,-\lambda,-1\}$
Count = 0



$$-2-0$$
 $-1-K$
 $-1-0=(-1)$

arr =
$$\{1, -1, 03\}$$
 $k=0$
pre > $\{1, 0, 0\}$



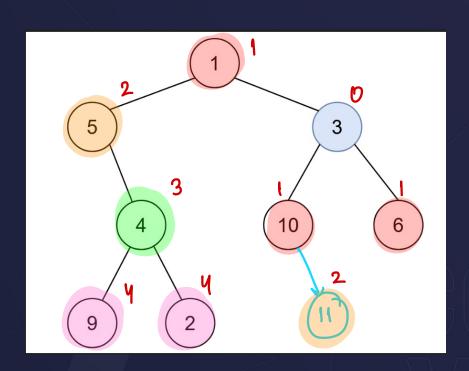
[Leetcode - 560]

$$arr = \{0,0,0,0\}$$
 K=0

 $pre = \{0,0,0,0\}$

C= ØYZZ46210

Ques: Amount of Time for Binary Tree to be Infected [Leetcode - 2385]



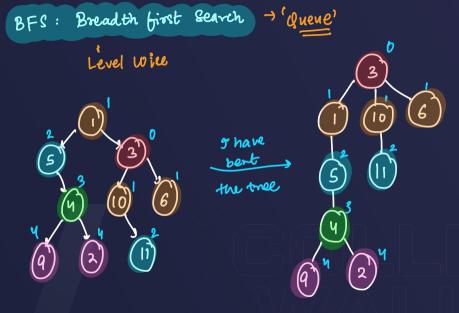
$$start = 3$$
at time = 0 3
 $time = 1 1, 10, 6$
 $time = 2 5, 11$
 $time = 3 4$

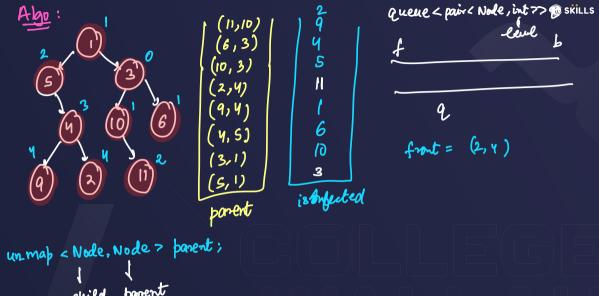
Ques: Amount of Time for Binary Tree to be Infected

[Leetcode - 2385]

Devel - wish injection

Is basically the (no of levels-1) in the bree from the perspective of the given infected node





child panent un sot < Node > il Infected; Step-1: Find the node with given value 'start'

Step-2: Mark the parent nodel



Ques: Group Anagrams

[Leetcode - 49]

arr = $\{ \text{ eat , teq, tan, ate, nat, bat} \}$ = n elements \times T.C. = $O(n \cdot k \log k)$ \times Klogk $S \cdot C \cdot = O(n^* k)$

abt, \(\) bat \(\) ant, \(\) tan, nat \(\) aet, \(\) eat, \(\) tea, \(\) ate \(\) \(\)

un-map < string, vector < string> > mp;

Ques: Determine if Two Strings are Close [Leetcode - 1657]

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abbccc

Ques: Determine if Two Strings are Close [Leetcode - 1657]

Ques: Check if Array Pairs are Divisible by K [Leetcode - 1497]

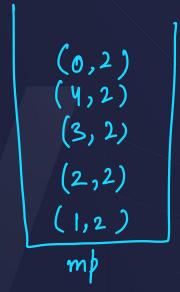
$$(1, 4)$$
 $(2, 3)$ $(6, 4)$ $(7, 8)$ $(5, 10)$
or
 $(1, 4)$ $(2, 3)$ $(6, 4)$ $(7, 8)$ $(5, 10)$
or
 $(1, 4)$ $(2, 8)$ $(3, 7)$ $(4, 6)$ $(5, 10)$

#Hint: Use % operator first

Ques: Check if Array Pairs are Divisible by K [Leetcode - 1497]

arr =
$$\{1, 2, 3, 4, 5, 4, 7, 8, 9, 10\}$$
 $k = 5$

() $\{1, 2, 3, 4, 0, 1, 2, 3, 4, 0\}$ ele % k



Ques: Check if Array Pairs are Divisible by K [Leetcode - 1497]

$$arr = \{-1, 1, -2, 2, -3, 3, -4, 43\}$$
 $k = 3$
 $\{2, 1, 1, 2, 0, 0, 2, 13\}$

most important

$$-a\%b = - [a\%b]$$





THANK YOU!

priority-queue < int> pq;