Little Shino and K Ancestor

Max. Marks: 100

Assume that you are given an undirected rooted tree with N nodes and an integer K. Node 1 is the root of the tree. Each node is uniquely numbered from 1 to N. Additionally, each node also has a color and the color is an integer value.

Note: Different nodes can have the same color.

For each node, you are required to find the K^{th} closest ancestor from that node which has the same color.

Input Format:
The first line consists of two integers, denoting N and K $(1 \leq N, K \leq 10^6)$. The second line is an array A of length N, represented as space separated integers. Here A_i $(1 \leq A_i \leq 10^6)$ is the color-value of i^{th} node in the tree. This is followed by $N-1$ lines comprising of two space separated integers x and y, which denotes that there is an edge between nodes that are numbered x and y.

Output Format:
Print N space separated integers, where i^{th} integer denotes the K^{th} closest ancestor from i^{th} node which has the same color. If no such ancestor exists, print -1.

SAMPLE INPUT

```
5 2
1 1 2 1 2
1 2
1 3
2 4
2 5
```

SAMPLE OUTPUT

```
-1 -1 -1 1 -1
```

Explanation

Node 1, 3 and 5 do not have any ancestor with the same color. Node 2 has only one ancestor (Node 1) with the same color. Node 4 has two ancestors (Node 1 and Node 2) with the same color. For node 4, the 2^{nd} closest ancestor is 1.

Time Limit:	2.0 sec(s) for each input file.
Memory Limit:	512 MB
Source Limit:	1024 KB
Marking Scheme:	Marks are awarded if any testcase passes.
Allowed Languages:	C, C++, C++14, Clojure, C#, D, Erlang, F#, Go, Groovy, Haskell, Java, Java 8, JavaScript(Rhino), JavaScript(Node.js), Julia, Kotlin, Lisp, Lisp (SBCL), Lua, Objective-C, OCaml, Octave, Pascal, Perl, PHP, Python, Python 3, R(RScript), Racket, Ruby, Rust, Scala, Swift, Visual Basic

CODE EDITOR

Enter your code or Upload your code as file. Save C (gcc 5.4.0)

```
83      Tree *a[n];
84      for(int i=0;i<n;i++){
85          scanf("%d",&colour);
86          a[i]=newnode( colour, i+1);
87      }
88      for(int i=0;i<n-1;i++){
89          scanf("%d %d",&x,&y);
90          int min = x<y?x:y;
91          int max = x>y?x:y;
92          x=min-1;
93          y=max-1;
94          if( (a[x]->left)== NULL ){
95              a[x]->left  = a[y];
96          }
97          else if( (a[x]->right)== NULL ){
98              a[x]->right = a[y];
99          }
100     }
101 //*
102     for(int i=0;i<n;i++){
103         printAncestors(a[0], a[i], k);
104         if(sum!=0)
105             printf("%d ",sum);
```

```
106         else
107             printf("-1 ");
108         sum=0;
109     }
110
111 /*
112     Construct the following binary tree
113                 1
114               /   \
115             2       3
116           /  \
117         4     5
118       /
119     7
120 //*/
121     return 0;
122 }
```

122:2

Provide custom input

Press Ctrl-space for autocomplete suggestions.

COMPILE & TEST SUBMIT

Submission ID: 11976641 / 8 seconds ago

RESULT: Partially Accepted

Score	Time (sec)	Memory (KiB)	Language
83.0	22.08882	36392	C

Input	Result	Time (sec)	Memory (KiB)	Score
Input #1	✓	0.110436	64	1
Input #2	!	0.174628	5600	0
Input #3	✓	0.109569	64	1
Input #4	✓	0.110999	64	1
Input #5	✓	0.110091	64	1
Input #6	!	0.660616	32032	0
Input #7	!	0.737159	31904	0
Input #8	✓	0.615074	32036	1
Input #9	✓	0.66735	31900	1
Input #10	✓	0.666616	31640	1
Input #11	✓	0.734059	28072	1
Input #12	!	0.131097	320	0
Input #13	✓	0.605768	31768	1

Input #14	✓	0.685193	32036	1
Input #15	✓	0.624492	32032	1
Input #16	!	0.131025	320	0
Input #17	✓	0.10967	64	1
Input #18	✓	0.110476	64	1
Input #19	✓	0.113162	64	1
Input #20	!	0.129587	320	0
Input #21	✓	0.110009	64	1
Input #22	✓	0.109563	64	1
Input #23	✓	0.110364	64	1
Input #24	✓	0.109581	64	1
Input #25	!	0.171752	5600	0
Input #26	✓	0.110338	64	1
Input #27	✓	0.109879	64	1
Input #28	✓	0.113182	64	1
Input #29	!	0.662262	33488	0
Input #30	✗	0.569735	33752	0
Input #31	✗	0.592993	33352	0
Input #32	✗	0.615355	33620	0
Input #33	✓	0.564548	33484	1
Input #34	✓	0.110369	64	1
Input #35	✓	0.604118	33352	1
Input #36	✓	0.597308	32164	1
Input #37	✓	0.666	32432	1
Input #38	✓	0.591138	33620	1
Input #39	!	0.132238	320	0
Input #40	✓	0.109624	64	1
Input #41	✓	0.109438	64	1
Input #42	✓	0.110138	64	1

Input #43	✓	0.109713	64	1
Input #44	✓	0.109948	64	1
Input #45	✓	0.110217	64	1
Input #46	✓	0.109458	64	1
Input #47	✓	0.110015	64	1
Input #48	✗	0.109693	64	0
Input #49	✓	0.109942	64	1
Input #50	✓	0.110055	64	1
Input #51	✓	0.110047	64	1
Input #52	✗	0.499358	35992	0
Input #53	✗	0.506433	36388	0
Input #54	✓	0.519538	35204	1
Input #55	✓	0.495351	36392	1
Input #56	!	0.131872	320	0
Input #57	✓	0.495759	36388	1
Input #58	✓	0.499051	36392	1
Input #59	✓	0.502779	36388	1
Input #60	✓	0.513838	36256	1
Input #61	✓	0.506339	35728	1
Input #62	✓	0.11004	64	1
Input #63	✓	0.10967	64	1
Input #64	✓	0.110024	64	1
Input #65	✓	0.109986	64	1
Input #66	✓	0.110438	64	1
Input #67	✓	0.109866	64	1
Input #68	✓	0.10994	64	1
Input #69	✓	0.109998	64	1
Input #70	✓	0.110467	64	1

Input #71	✓	0.110074	64	1
Input #72	✓	0.109884	64	1
Input #73	✓	0.112321	64	1
Input #74	✓	0.110609	64	1
Input #75	✓	0.111086	64	1
Input #76	✓	0.109619	64	1
Input #77	✓	0.110584	64	1
Input #78	✓	0.110054	64	1
Input #79	!	0.127619	320	0
Input #80	✓	0.110136	64	21

Compilation Log

No compilation log for this submission.

Tip: You can submit any number of times you want. Your best submission is considered for computing total score.

Your Rating: ★★★★★ Like 0 Share Tweet

COMMENTS (120) SORT BY: Relevance

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Tushar Pahuja 4 days ago
What is the exact definition of an ancestor in this case?
▲ 7 votes ● Reply ● Message ● Permalink

Akash Sharma Admin 3 days ago
A node reachable by repeated proceeding from child to parent.
▲ 0 votes ● Reply ● Permalink

Harshit Saini 2 days ago
Then if we are given that undirected graph would be a rooted tree, which makes the "closest" term insignificant. Isn't it?
▲ 10 votes ● Reply ● Message ● Permalink

Timmy Jose 2 days ago
Is this a binary tree or do we assume any number of children?
▲ 1 vote ● Reply ● Message ● Permalink

Tusenka Edited 2 days ago

Who is child and who is ancestor in undirected tree? From picture https://awwapp.com/b/ugodurve0/
Does 2 and 3 are ancestors of each other?
▲ 0 votes ● Reply ● Message ● Permalink

Akash Sharma Admin 2 days ago
A tree cannot have loops.
▲ 0 votes ● Reply ● Permalink

Nirav 3 hours ago
query
2 5
means 2 is parent of 5 as well as 5 is parent of 2?
▲ 0 votes ● Reply ● Message ● Permalink

Neeraj Joshi 3 days ago
getting only 89 score. where could i be wrong?
▲ 10 votes ● Reply ● Message ● Permalink

NIKUNJ KHOKHAR 3 days ago
This comment has been deleted.
● Reply ● Message ● Permalink

Neeraj Joshi 3 days ago
you got 89 too?
▲ 0 votes ● Reply ● Message ● Permalink

Ish Kool 3 days ago
This comment has been deleted.
● Reply ● Message ● Permalink

NIKUNJ KHOKHAR 3 days ago
Don't guess in the public comments :))
▲ 0 votes ● Reply ● Message ● Permalink

Varun Kumar Mahanot 3 days ago
lemme see the code and i'll tell you. ;-)
▲ 3 votes ● Reply ● Message ● Permalink

Shikhar Yadav 3 days ago
me too .... stuck at 89 points !! no idea what's wrong
▲ 1 vote ● Reply ● Message ● Permalink

Venkata Sai Kiran Kompalli a day ago
make sure you understand this sentence correclty
'Kth closest ancestor which has the same color'
▲ 1 vote ● Reply ● Message ● Permalink

Aadith Menon 13 hours ago
I had the same problem. The trick is in this line "integers x and y, which denotes that there is an edge between nodes that are numbered x and y".
So they do not have to be in order.
eg in the given sample test case, there is an edge (2, 4), but input of the form (4, 2) is also valid (which my code initially wasn't considering). Hope this helps :)
▲ 0 votes ● Reply ● Message ● Permalink

Neeraj Joshi 8 hours ago
Thank you very much. I got 100 now.
▲ 0 votes ● Reply ● Message ● Permalink

Priyam Vora 4 days ago
Isn't the time limit too strict for Java..??
▲ 10 votes ● Reply ● Message ● Permalink

NIKUNJ KHOKHAR 3 days ago
Yes . Java time limit is too strict. @moderator

1 vote ● Reply ● Message ● Permalink

Akash Sharma Admin 2 days ago

There are submissions in java running in less than half of the time limit for java.

0 votes ● Reply ● Permalink

NIKUNJ KHOKHAR a day ago

but same submission is getting accepted in c++

0 votes ● Reply ● Message ● Permalink

Pradyumn Agrawal 3 days ago

Facing the same problem too :(

1 vote ● Reply ● Message ● Permalink

Pradyumn Agrawal 2 days ago

Time limit and memory limit for Java should be increased.

0 votes ● Reply ● Message ● Permalink

Akash Sharma Admin 2 days ago

There are submissions in java running in less than half of the time limit for java.

0 votes ● Reply ● Permalink

Pradyumn Agrawal Edited a day ago

"Kth closest ancestor from that node which has the same color." This statement is highly confusing. Please update this question. It costed me several TLE and WA. Btw question is very good. You are right, submission are taking less than half of the time limit for Java.

0 votes ● Reply ● Message ● Permalink

Maulik Patel 2 days ago

Yes

0 votes ● Reply ● Message ● Permalink

Akash Sharma Admin 2 days ago

There are submissions in java running in less than half of the time limit for java.

0 votes ● Reply ● Permalink

Aman Deep a day ago

Yes it is. JAVA users need too much optimisation to get AC. My same code got 98->99->100. And its strange that the accepted solution took maximum 2.3 sec to get AC on any test file. Still there was TLE on 1-2 test files previously.

0 votes ● Reply ● Message ● Permalink

Gaurav Mohla 2 days ago

what if there are multiple answers?

1 vote ● Reply ● Message ● Permalink

Harshit Saini 2 days ago

If the author of this question meant kth uncle by saying kth ancestor, then no one can save him from my wrath. Because ancestor is only 1 for every node and closest makes no sense here in that case.

7 votes ● Reply ● Message ● Permalink

Gaurav Mohla 2 days ago

1 2
2 3
4 3
5 4
possible?

1 vote ● Reply ● Message ● Permalink

®iΔΔ|€ 2 days ago

What do you mean by "closest" k th ancestor ??????
If tree is a rooted tree then there is only one k th ancestor if it exist.. isn't it ?

1 vote ● Reply ● Message ● Permalink

Raghav 2 days ago

i think kth closest ancestor here means kth closest ancestor having same colour.
Eg : 4 2
1 1 2 1
1 2
2 3
3 4
here 4 have 3 ancestor : 1, 2, and 3 with color 1,1and 2 resp.
so 2nd closest ancestor for 4 with same color would be 1.
As for 4 color of 1st ancestor (3) = 2 , 2nd ancestor (2) = 1 and 3rd ancestor (1) = 1.

▲ 6 votes ● Reply ● Message ● Permalink

Harshit Sinha 2 days ago

Thanks man, this is the real explanation. @admin, please make the problem statement clear.

▲ 2 votes ● Reply ● Message ● Permalink

Raghav 2 days ago

Did it work for you?

▲ 0 votes ● Reply ● Message ● Permalink

Harshit Sinha 2 days ago

yeah, brute gave 91 o(n^2) for skew tree, else o(nlogn)

▲ 0 votes ● Reply ● Message ● Permalink

Nirav 3 days ago

please prove some more sample cases @moderator.

▲ 4 votes ● Reply ● Message ● Permalink

Prathmesh Bhadekar 3 days ago

Yes I feel there should be some more cases there's something unusual in the problem @moderator

▲ 3 votes ● Reply ● Message ● Permalink

Anubhav Kesari 2 days ago

got only 89 pts , any idea what could be wrong ?? :(:(

▲ 4 votes ● Reply ● Message ● Permalink

Monu 2 days ago

This comment has been deleted.

● Reply ● Message ● Permalink

Harshit Saini 2 days ago

same here :P

▲ 0 votes ● Reply ● Message ● Permalink

Prathmesh Bhadekar 2 days ago

Same here ;(

▲ 0 votes ● Reply ● Message ● Permalink

Akash Ravi 2 days ago

same here :(

▲ 1 vote ● Reply ● Message ● Permalink

tyagiji 10 hours ago

same here
got only 88

▲ 0 votes ● Reply ● Message ● Permalink

Vivek S 4 days ago

"This is followed by N−1 lines comprising of two space separated integers x and y, which denotes that there is an edge between nodes that are numbered x and y".....What does this line say.Feeling confused
:(

▲ 0 votes ● Reply ● Message ● Permalink

Buddha 4 days ago

by edge, it means a connection that exists between these nodes. so you can go from x to y or y to x directly. Similar to notations in graph, which imply that x and y are adjacent nodes.

0 votes ● Reply ● Message ● Permalink

Nashez Zubair 4 days ago

the tree property is violated if your edge is bidirectional. then node 1 also has some ancestor and not -1 always. Is that the case here?

1 vote ● Reply ● Message ● Permalink

Akash Sharma Admin 3 days ago

Its mentioned in the problem that node 1 is root.

2 votes ● Reply ● Permalink

Karan Dhawan 19 hours ago

what is edge in this case ??

0 votes ● Reply ● Message ● Permalink

Prashant Pokhriyal Edited 17 hours ago

bro before trying this problem, I'll suggest you to go over trees section in hackerearth. Then you will come to know what does mean by an EDGE.

1 vote ● Reply ● Message ● Permalink

Prashant Pokhriyal Edited 18 hours ago

I forgot to add PS.
PS : Now you are not going to ask me what is TREE? Are you?

2 votes ● Reply ● Message ● Permalink

Rock Lee 4 days ago

I always knew that one of the moderators watches NARUTO and probably a fan of ABURAME CLAN ……LOLWA

2 votes ● Reply ● Message ● Permalink

ramgopal verma 4 days ago

it cannot be bi-directional and what 2 3 means .... it can be taken as, (2 is an ancestor of 3) or (3 is an ancestor of 2) please reply asap

1 vote ● Reply ● Message ● Permalink

Akash Sharma Admin 3 days ago

Its fixed. Thanks for pointing it out.

0 votes ● Reply ● Permalink

utkarshh12 3 days ago

what is fixed?? its giving the same error ,do we have to consider the undirected nature or not?

0 votes ● Reply ● Message ● Permalink

Akash Sharma Admin 3 days ago

You have to consider undirected nature. 2 3 simply means that there is an edge between node 2 and node 3.

0 votes ● Reply ● Permalink

Monu 3 days ago

This comment has been deleted.

● Reply ● Message ● Permalink

Akash Sharma Admin 3 days ago

That depends on the structure of the tree.

1 vote ● Reply ● Permalink

Deepak Kumar Gour 3 days ago

pls reply on my below comment , i m stuck on it ..getting only 77 points due to confusion in statement that x is parent of y...
if you fix root as 1 then whose parent is who , everything is fixed...

0 votes ● Reply ● Message ● Permalink

Deepak Kumar Gour 3 days ago

it should not make any difference weather x is parent of y or y is parent of x ,since if root is set as 1 and by the structure of tree it will be always fixed that weather x's parent is y or y's parent is x...

and if you are giving that x is parent of y then it will become directed tree.
correct me if i am wrong.
▲ 0 votes ● Reply ● Message ● Permalink

utkarshh12 3 days ago
Oo thanks I was unable to get full marks due to slow input output, got it now
▲ 0 votes ● Reply ● Message ● Permalink

Hardik Modi 3 days ago
at last done at 3:10am night.yup!!!!!!!
▲ 2 votes ● Reply ● Message ● Permalink

Gaurav Saxena 2 days ago
question not clear.
▲ 2 votes ● Reply ● Message ● Permalink

Raghav 2 days ago
If the input is :
5 2
1 1 1 1 2
1 2
1 3
2 4
2 5
then should it have this output ?:
-1 3 2 1 -1
▲ 0 votes ● Reply ● Message ● Permalink

Raghav 2 days ago
i mean do we have to consider 2 as the 2nd ancestor of 3 and 3 as the 2nd ancestor of 2 as it is an undirected tree.
▲ 2 votes ● Reply ● Message ● Permalink

Prashant Pokhriyal Edited 18 hours ago
neither 2 nor 3 is ancestor of each other in your case.
▲ 0 votes ● Reply ● Message ● Permalink

Siddharth Singh Chauhan 2 days ago
well i think... no... becoz 2 is sibling of 3 and vice versa...
though i can point out that sibling of parents will be ancesters... so i think we have to work our code that way
▲ 0 votes ● Reply ● Message ● Permalink

Reyad Salahin Edited 2 days ago
@admin: This problem has an issue with "Java Time Limit". My "C" submission has been accepted(i.e. got 100.00) while "Java" is facing "Time Limit" issue with the same algorithm. Please set up the "Time Limit" for "Java" as it is possible to solve this problem in "Java" or remove "Java" from language list.
▲ 0 votes ● Reply ● Message ● Permalink

Raghav 2 days ago
Can you please tell whom do we consider the closest ancestor?
▲ 0 votes ● Reply ● Message ● Permalink

Reyad Salahin Edited 2 days ago
Here's closest word is valueless. And ancestors of a node "V" are the nodes which you will get by climbing up through tree until you reach "Root" node from "V" node.
▲ 2 votes ● Reply ● Message ● Permalink

Drake Harper 15 hours ago
So if I am understanding this right the root node is the most ancestral node in the tree?
▲ 0 votes ● Reply ● Message ● Permalink

Reyad Salahin 4 hours ago
Yes, you're right. "Root" node is the ancestor of all nodes but itself.
▲ 0 votes ● Reply ● Message ● Permalink

Raj 21 hours ago

i have not seen such test cases in my life, such weak test cases ! Die the problem setter.

0 votes ● Reply ● Message ● Permalink

Prashant Pokhriyal Edited 18 hours ago

Raj bro! you are just a kid. Before making such a cheap comment do you have any idea about rating of problem setter in codeforces? You'll never understand this problem because it is out of the world problem for people whose brain is of peanut size.

2 votes ● Reply ● Message ● Permalink

Deepak Kumar Gour 4 days ago

if edges are 1-2 and 1-3 and all have same color then what would be the 2nd ancestor of 2 , is it 3 or -1?

1 vote ● Reply ● Message ● Permalink

Deepak Kumar Gour 4 days ago

pls reply ....

0 votes ● Reply ● Message ● Permalink

Manish Bisht 4 days ago

-1

0 votes ● Reply ● Message ● Permalink

Ashish Ranjan 3 days ago

can there be a self loop or an edge to the same node ?

0 votes ● Reply ● Message ● Permalink

Debabrata Biswal 3 days ago

By definition, a tree is an acyclic,loop-free ,connected, undirected graph.

1 vote ● Reply ● Message ● Permalink

Preet Shah 3 days ago

@admin, you need to increase time-limit for java. My same code in cpp gave AC. In java, it only gives 89..so all those who are stuck there is probably because of this reason..! Please increase the time-limit..!

1 vote ● Reply ● Message ● Permalink

Puneet Rai 3 days ago

I am getting 99, 97,96,etc scores for the exact same code in python. It shows TLE for input#8
then it will show TLE for 13 and 8 will pass.
What is going on here?

1 vote ● Reply ● Message ● Permalink

shreehari ajith 3 days ago

looks like the problem has some weird twist, just now solved the k'th ancestor problem on hackerrank to check this

1 vote ● Reply ● Message ● Permalink

Divyanshu Bansal Edited 3 days ago

please re-check following testcases, they are throwing NZEC Error in Python (because they are not properly formatted i.e. they have some extra space,new line character etc.) 29-33, 35-38

1 vote ● Reply ● Message ● Permalink

Ajay Verma 3 hours ago

me getting tle in only those test cases which you specified, i don't think there is any problem with formatting ;-(

0 votes ● Reply ● Message ● Permalink

Omotola Liadi 3 days ago

5 2
1 1 2 1 2
1 5
1 3
5 4
5 2

Is such a case possible? as in the connectivity/edges not in order (edge 1 5 instead of 1 2)

1 vote ● Reply ● Message ● Permalink

Mudit Gaur a day ago

yes it could be the case because the node number doesn't make any difference in the representation of the tree but surely on the ancestor :p

0 votes ● Reply ● Message ● Permalink

Abhinav Kr Singh Edited 2 days ago

can y be the parent of x?? e.g 1-2 , 2-3 , 3-4,3-5 where all have different color except 4 and 5 so 1st ancestor of 4 is 5?? Correct me if i am wrong?

1 vote ● Reply ● Message ● Permalink

Siddharth Singh Chauhan 18 hours ago

u r wrong... tree structure is simple nodes above are ancestors ... on same level they are siblings if same parent or else cousins ..

0 votes ● Reply ● Message ● Permalink

Abhinav Kr Singh 3 hours ago

I know but if we don't treat the bidirectional nature we get only 89(weak test case).What I meant was that x need not be the parent of y because if it was we won't be fussing over something so trivial

0 votes ● Reply ● Message ● Permalink

gautamk121 2 days ago

Getting 89 any Idea?

1 vote ● Reply ● Message ● Permalink

Siddharth Singh Chauhan 18 hours ago

same... stuck on it from hours..

0 votes ● Reply ● Message ● Permalink

Gautham B A 2 days ago

Can we assume that 'x' is the parent of 'y'?

0 votes ● Reply ● Message ● Permalink

Deepak Kumar Gour 2 days ago

it does not matter weather x is parent of y or y is parent of x since tree is rooted at 1.

1 vote ● Reply ● Message ● Permalink

Deepak Singh 4 days ago

getting nzec for most cases ...

0 votes ● Reply ● Message ● Permalink

Ish Kool 3 days ago

do we need to consider the bidirectional nature of the given tree because it gives wrong answer for some test cases, please reply

0 votes ● Reply ● Message ● Permalink

Markus Krutz 3 days ago

Is it by intention that test case #80 is worth 21 points?

0 votes ● Reply ● Message ● Permalink

Sai Avinash 3 days ago

The test cases are really weak in terms of TL. My nearly brute passed for 100pts :/.

0 votes ● Reply ● Message ● Permalink

Ram Ramrakhya 3 days ago

This comment has been deleted.

● Reply ● Message ● Permalink

Ayush Aggarwal 3 days ago

-1 -1 -1 1 -1

0 votes ● Reply ● Message ● Permalink

Prashant Singh 3 days ago

in x and y pair .....is x is always parent? or y can be also?

0 votes ● Reply ● Message ● Permalink

Parisana Ngangom 3 days ago

Is this a binary tree?

0 votes ● Reply ● Message ● Permalink

Puneet Rai 2 days ago

no.

0 votes ● Reply ● Message ● Permalink

akash negi 3 days ago

Do the tree can have only atmost 2 children?

0 votes ● Reply ● Message ● Permalink

Anubhav Kesari Edited 2 days ago

Nopess , I don't think so !! They haven't mentioned the tree to be binary anywhere in the problem . Dont think too much question is not that tough .. you just need a tree

0 votes ● Reply ● Message ● Permalink

Prashant Singh 2 days ago

In any input x and y pair ....., x is always parent ? or vice versa case is a possibility ?

0 votes ● Reply ● Message ● Permalink

amit ranjan 2 days ago

Are nodes on same level are ancestor to each other??

0 votes ● Reply ● Message ● Permalink

AYUSH AGRAWAL 2 days ago

no

0 votes ● Reply ● Message ● Permalink

amit ranjan 2 days ago

ohk :)

0 votes ● Reply ● Message ● Permalink

Sandeep Gupta 2 days ago

What is the meaning of "closest" here? if the tree is rooted then everything is fixed. if that's not the case please @HackerEarth what do you mean by closest.

0 votes ● Reply ● Message ● Permalink

Ashutosh Tripathi 2 days ago

Which data structure is to be used in this case. I don't think a binary tree would be suitable here

0 votes ● Reply ● Message ● Permalink

SHIVAM AGARWAL 2 days ago

Getting TLE while taking only the input in some test cases using Buffered Reader in java. Plz help

0 votes ● Reply ● Message ● Permalink

Prathmesh Bhadekar Edited 2 days ago

Use FAST IO for java ,Scanner and bufferedreader are slow

0 votes ● Reply ● Message ● Permalink

SHIVAM AGARWAL a day ago

Can you plz provide me the reference for the FAST IO as I have tried many. Also TLE is coming for the printing the result as well

0 votes ● Reply ● Message ● Permalink

Keisha Gates 2 days ago

What do x and y mean? I don't see the point in them?

0 votes ● Reply ● Message ● Permalink

Amulya Gaur a day ago

it means there is an edge between x and y

0 votes ● Reply ● Message ● Permalink

Karan Dhawan 19 hours ago

same query why are x and y given and what is edge here ??
0 votes ● Reply ● Message ● Permalink

Anmol Biswas 6 hours ago

How can you define ancestors in an UNDIRECTED tree ?

0 votes ● Reply ● Message ● Permalink

Ajay Verma 3 hours ago

tree is rooted at 1...

0 votes ● Reply ● Message ● Permalink

Gary 3 hours ago

Getting segmentation fault in most of the cases while some test cases are working fine. Nyone with the same problem??

0 votes ● Reply ● Message ● Permalink

Utkal Sinha Edited 10 minutes ago

What is test case #2, #6, #7, #9,.... It is giving me wrong answer. Am I missing something in the question?
If a node does not have k ancestors, for example, if number of ancestors of node v is 2 and and k = 3, then should I print "-1" or something else?

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