Shopee Programming Contest #2

Jul 25, 2020, 02:00 PM CST - Jul 25, 2020, 05:15 PM CST

Shopee Logistics

Max. score: 20

This problem is no longer available for practice. Apology for any inconvenience!

We have a lot of interesting tasks at Shopee. One of them is a logistics problem. In this problem we need to deliver goods from the hub to the final customer. But before that we can move goods between the hubs. Shopee has a giant network of hubs but in this task will be used the network with **N** hubs and **N - 1** routes between hubs. Each hub is reachable from any other hub.

One of the problems of logistics is to optimise network. Before optimising we need to do some research and find some routes with problems. For example, find the largest path and make a route between two hubs the most distant. We are calling it “The longest path”.

In this task we are asking you to find the second longest path in the Shopee network.

Don’t need to output the path! We need only the length!

Input

Input starts with an integer **N** ($5 \le N \le 10^5$), denoting the number of hubs. Next **N - 1** lines contain three values: two hubs and the route length between them. $L_i \le 10^5$.

Output

Print one line. The length of the second longest path.

SAMPLE INPUT	SAMPLE OUTPUT
5 1 2 5 2 3 1 2 4 2 2 5 3	7

Explanation

The longest path will be 1->2->5: (8). The second longest path will be 1->2->4. (7)

Time Limit:	1.0 sec(s) for each input file.
Memory Limit:	128 MB
Source Limit:	1024 KB
Marking Scheme:	Score is assigned when all the testcases pass.
Allowed Languages:	Bash, C, C++, C++14, C++17, Clojure, C#, D, Erlang, F#, Go, Groovy, Haskell, Java, Java 8, Java 14, JavaScript(Rhino), JavaScript(Node.js), Julia, Kotlin, Lisp, Lisp (SBCL), Lua, Objective-C, OCaml, Octave, Pascal, Perl, PHP, Python, Python 3, Python 3.8, R(RScript), Racket, Ruby, Rust, Scala, Swift-4.1, Swift, Visual Basic

RECENT SUBMISSIONS

DEVELOPERS	RESULT	LANGUAGE
Deep Blue		Python 3
Deep Blue		Python 3.8
sendnodes		Python 3
Totally Spies		Python
NSEW		Python 3.8
LevelZero		Java 8
pangqiya		C
Novia Permatasar		Python 3

View All

CODE EDITOR

Save C (gcc 5.4.0)

```c
/*
// Sample code to perform I/O:
#include <stdio.h>

int main(){
    int num;
    scanf("%d", &num);                          // Reading input from STDIN
    printf("Input number is %d.\n", num);       // Writing output to STDOUT
}

// Warning: Printing unwanted or ill-formatted data to output will cause the test cases to fail
*/

// Write your code here

```

1:1 vscode

Provide custom input

COMPILE & TEST SUBMIT

Your Rating:

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