Server time: 20:15:16

Summary

State Own Submissions

Tasks Scoreboard

Rank 367 / 4103 (Score: 457.98)



Stanuaru iriput

The first line will contain the number of nodes of the tree, N.

Announcements

The next N-1 lines will contain the description of the edges of the tree, that is, the line i+1 will contain (in order) numbers A_i , B_i and W_i , meaning that there is an edge between nodes A_i and B_i with the label W_i between them.

Standard output

The output will only contain the desired sum.

Constraints and notes

- $2 \le N \le 10^5$
- $1 \le W_i \le 10^9$

Input	Output	Explanation
5	30	
1 2 1		
1 3 2		(1)
2 4 3		
2 5 4		
		1/ 1/2
		_/
		$\overline{2}$
		3/ \4

We have the following distances:

$$d(1,2) = 1; d(1,3) = 2;$$

 $d(1,4) = 3; d(1,5) = 4;$
 $d(2,3) = 2; d(2,4) = 3;$
 $d(2,5) = 4; d(3,4) = 3;$
 $d(3,5) = 4; d(4,5) = 4$

The total sum is 30.