# Tree

## Description:

In the Data structure class of HuaDe School of Applied Technology of Harbin Institute of Technology, the teacher asks one problem: How to find the longest path of one tree and the number of such longest path?

## Input:

There are several test cases. The first line of each case contains only one integer N, means there are N nodes in the tree. N-1 lines follow, each line has three integers w,v and len, indicate that there is one edge between node w and v., and the length of the edge is len.

## Output:

For each test case, output the length of longest path and its number in one line.

## Sample Input:

4

1 2 100

2 3 50

2 4 50

4

1 2 100

2 3 50

3 4 50

## Sample Output:

150 2

200 1