Assignment name : height\_tree

Expected files : height\_tree.c

Allowed functions:

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Implement a function to calculate the height of an n-ary tree.

Your should use the following node structure in your code for the n-ary tree:

struct s\_node {

int value;

struct s\_node \*\*nodes;

};

In this struct nodes is a null-terminated array.

Note that the height of a tree is the number of EDGES on the longest path from

the root node to a leaf. A tree with a single node will have a height of 0.

An empty tree should have height -1;

The function must be declared as follows:

int height\_tree(struct s\_node \*root);

EXAMPLE:

The Input Tree :

94

/ \

/ \

34 52

/ \ \

/ \ \

1 99 11

/

/

13

Output : 3