

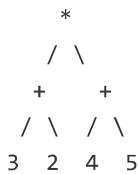
evaluate arithmetic expression given as a binary tree

Suppose an arithmetic expression is given as a binary tree.

Each leaf is an integer and each internal node is one of '+', '-', '*', or '/'.

Given the root to such a tree, write a function to evaluate it.

For example, given the following tree:



You should return 45, as it is $(3 + 2) * (4 + 5)$.