



Problem of the Week

Problem D

One, Two, Tree!

Every year on November 1, the Stablo family plants a tree. This tradition has happened for generations and the first tree the family planted is now 183 years old. Two of the trees were planted in their backyard; one is an apple tree and the other is a maple tree. The maple tree is older than 100, but was not the first tree planted. On November 1 of this year, the age of the maple tree is fifteen times the age of the apple tree.

On November 1 of some year from now, the age of the maple tree will be eleven times the age of the apple tree. How old are the trees that year?

