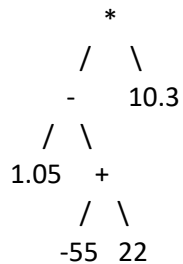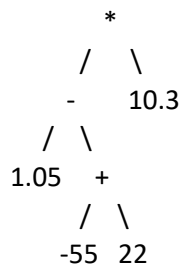# Extra Assignment 4

Read a mathematical expression, in prefix form, as a character string, from a text file input. The allowed operators are the usual binary additive (+, -) and multiplicative (*, /). Build the tree for that expression. Every node should contain either an operator or an operand. Operands can be arbitrary numbers, separated by spaces. Example input. For the expression ((1.05-(-55+22)))*10.3, the tree representing the expression is:

```
          *
        /   \
       -      10.3
      / \
    1.05   +
          / \
        -55  22
```

Input example:

```
* - 1.05 + -55 22 10.3
```
(note the spaces between)

Ouput example:

```
          *
        /   \
       -      10.3
      / \
    1.05   +
          / \
        -55  22
```

Hint: use a stack.