

open = symbol '('
close = symbol ')'
plus = symbol '+'
minus = symbol '-'

data Tree
= Leaf Int
| Node Tree Op Tree
type Op = Char

expr, term :: Parser Char Tree

expr = Node \oplus term \otimes (plus \oplus minus) \otimes expr
 \oplus term

term = Leaf \oplus number
 \oplus middle \oplus open \otimes expr \otimes close
where middle x y z = y