MIT 6.035: Computer Language Engineering

Spring 2022

Mini Quiz 4

github.com/6035/sp22

Name: _____

Kerberos username (omit @mit.edu):

Consider the grammar (start symbol E):

$$E \rightarrow E \ addop \ T \mid T$$

$$T \rightarrow T \ mulop \ F \mid F$$

$$F \rightarrow lbr \ E \ rbl \mid id$$

$$addop ::= +|-$$

$$mulop ::= \times|\div$$

$$lbr ::= ($$

$$rbr ::=)$$

$$id ::= a|b| \dots |z$$

Q: Draw concrete parse trees for the following strings:

$$x + y \times z$$
$$(x + y) \times z$$