

CS 3723: Programming Languages

Feb 1, 2012

You Name:

What language does each of following BNFs express? Is the grammar ambiguous? If yes, rewrite it to be non-ambiguous.

1. $P ::= T \mid P T T$
 $T ::= a \mid b \mid c$
2. $F ::= N "." N \mid N "." \mid "." N$
 $N ::= N N \mid D$
 $D ::= 0 \mid 1 \mid 2 \mid 3 \mid 4 \mid 5 \mid 6 \mid 7 \mid 8 \mid 9$
3. $P ::= T \mid P , P \mid P ; P$
 $T ::= a \mid b \mid c$