BU CS320 Assignment 6: Context Free Grammars

November 6, 2023

1. Given the following grammar where $\langle expr \rangle$ is the starting symbol:

Demonstrate the grammar above is ambiguous.

ajbjc

<expr7

<expr7; <expr7

<id7

<id7

<id7

<id7

<id7

</pre>

2 different passe thees for same expression, so grammar is ambigous.

2. Modify the grammar (reproduced below) to be unambiguous. Hint: There is not just one way.

3. Demonstrate your modified grammar fixes the previously shown ambiguity.