Question 1:

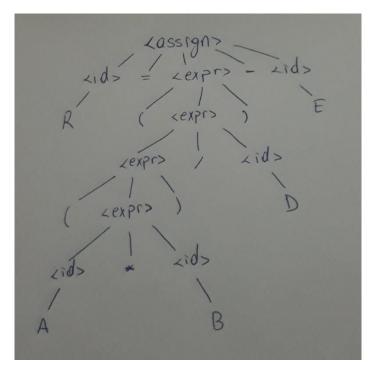
Using the grammar below, show a parse tree and a leftmost derivation for: (leftmost derivation: always the leftmost non-terminal gets replaced first)

$$R = ((A * B) / D) - E$$

Grammar:

Solution of Question 1:

Parse Tree of Question 1:



Question 2:

Show that the following grammar is ambigious:

S -> S * S | S + S | a

Solution of Question 2:

