ASSIGNMENT - 1

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1. Write down a CFG for the program. Design a Parser in a top-down approach for the expression (id+id)*(id-id) involving your grammar.

Solution-

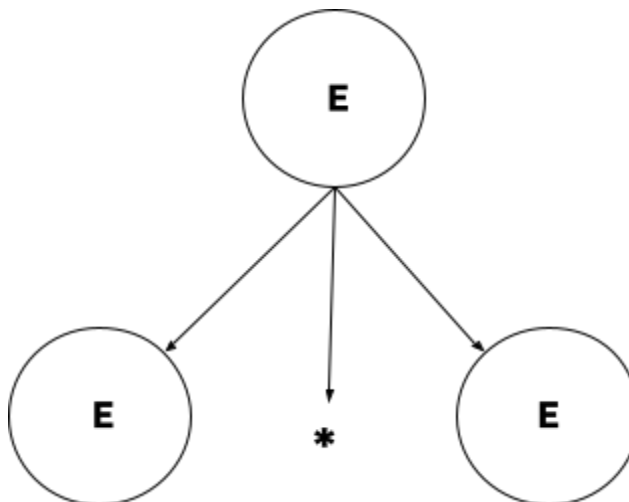The *CFG* (Context free grammar) for ' (id+id)*(id-id) ' is -
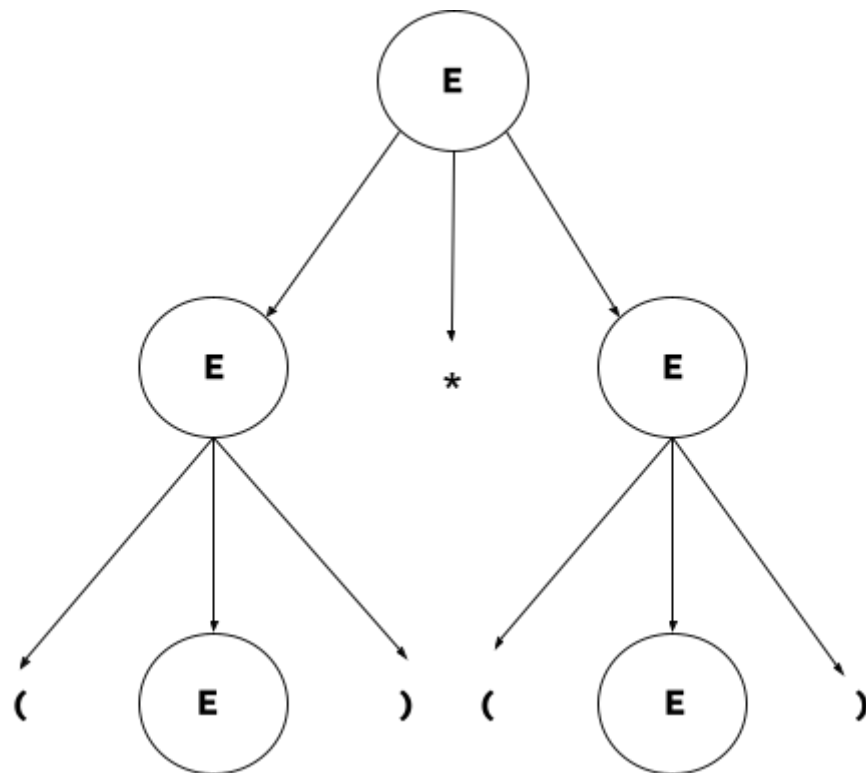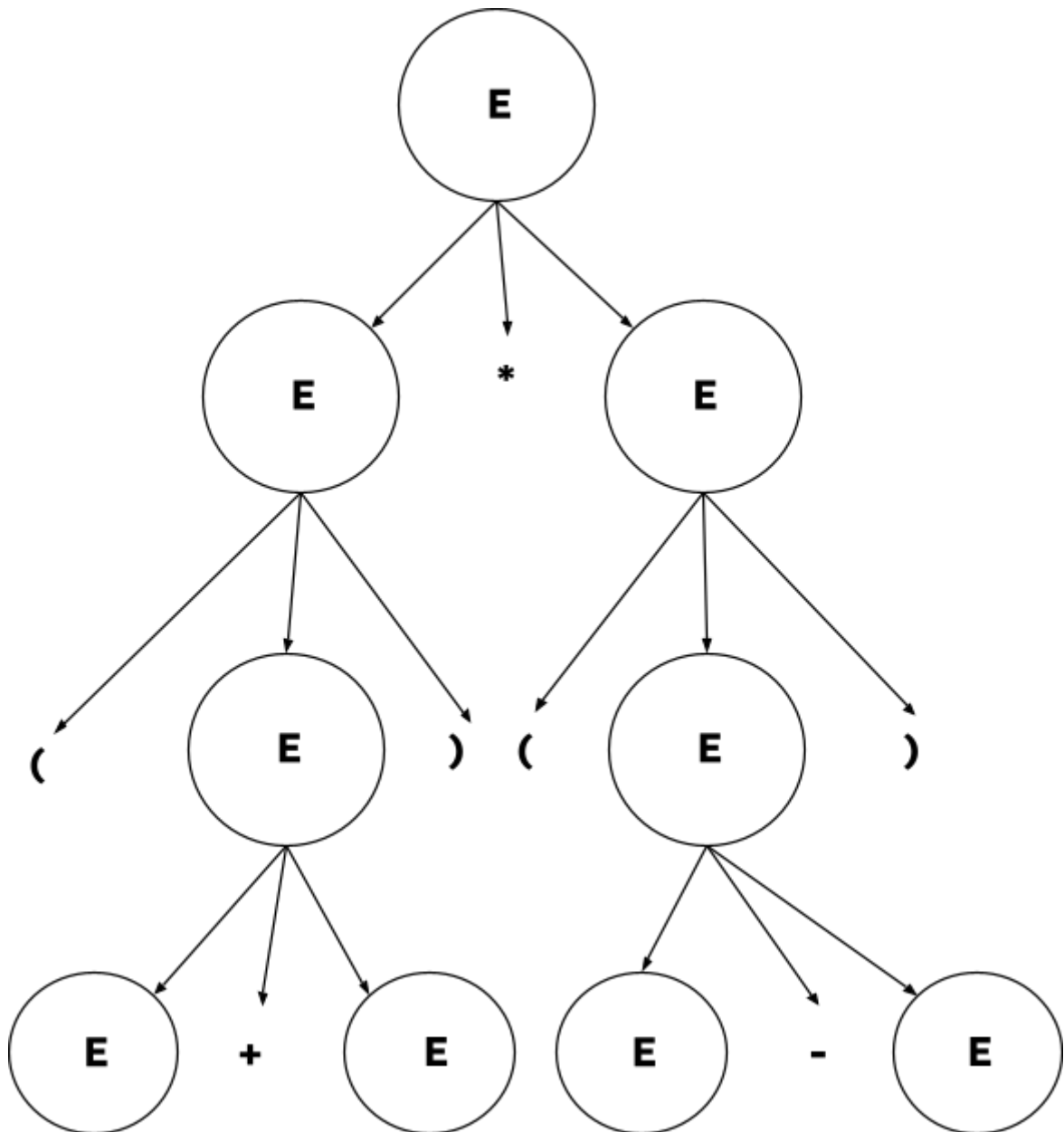
E -> E+E | E-E | E*E | (E) | id

Top Down Parser -

Step 1

Step 2

Step 3

Step 4

Step 5