

# CENG212 Assignment 1

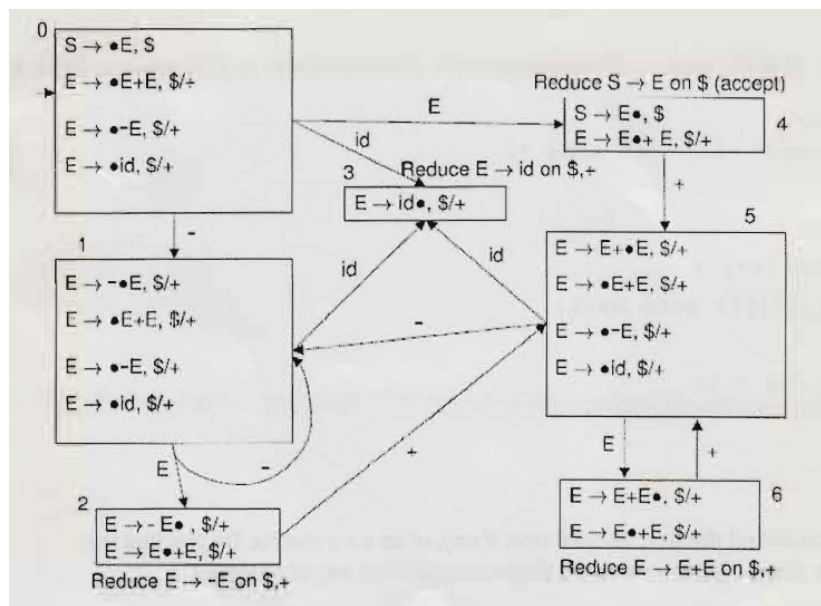
Deadline: 14/04/2020

## LR Parser

Use lex/flex and yacc/bison to construct a parser for the following grammar over the terminals  $+$ ,  $-$  (the negation operator) and  $id$ .

$$\begin{aligned} S &\rightarrow E \\ E &\rightarrow E + E \mid -E \mid id \end{aligned}$$

Below is a state transition diagram for an LR parser.



Have it output the trace of shifts and reductions for the string given below:

$id + - id + id$