

Exercise 3

1. Given a following grammar:

$$E \rightarrow F T,$$

$$T \rightarrow AD F T,$$

$$T \rightarrow e,$$

$$AD \rightarrow +,$$

$$AD \rightarrow -,$$

$$F \rightarrow L K,$$

$$K \rightarrow MUL L K,$$

$$K \rightarrow e,$$

$$MUL \rightarrow *,$$

$$MUL \rightarrow /,$$

$$L \rightarrow (E),$$

$$L \rightarrow id$$

- a. Find the first and follow sets of the grammar.
 - b. The parsing table of the grammar
2. From the parsing table in (1), use stack to simulate leftmost derivation as the LL(1) parsing for stream of tokens $id + id * (id + id)$.

No.	Stack	Tokens	Action
1.	\$	$id + id * (id + id)$ \$	
2.			
...	...	...	...