

## Assignment 2

Given the grammar  $G$  with non-terminals  $\{S, V, R, N\}$  and terminals  $\{+, -, \cdot, d, e\}$ , where  $S$  is the start symbol,  $e$  is the stop symbol,  $\epsilon$  is the empty string, and the productions are

$S \rightarrow VRe$

$V \rightarrow +$

$V \rightarrow -$

$V \rightarrow \epsilon$

$R \rightarrow \cdot dN$

$R \rightarrow dN \cdot N$

$N \rightarrow dN$

$N \rightarrow \epsilon$

Construct a top down LL(1) parse table for  $G$ .