

No.

Date.

$$3.11 \quad \text{First}(S) = \{a, b, \epsilon\}$$

$$\text{First}(A) = \text{First}(B) = \{a, b\}$$

$$\text{Follow}(S) = \{\$ \}$$

$$\text{Follow}(A) = \{a, b, \$ \}$$

$$\text{Follow}(B) = \{a, b, \$ \}$$

	a	b	$\epsilon$				
S	$S \rightarrow aBS$	$S \rightarrow bAS$	$S \rightarrow \epsilon$				
A	$A \rightarrow a$	$A \rightarrow bAA$					
B	$B \rightarrow aBB$	$B \rightarrow b$					

$$3.12 \quad \text{First}(S) = \text{First}(A) + \text{First}(P)$$

$$= \{x\} + \{d, \epsilon\} = \{x, d, \epsilon\}$$

$$\text{First}(A) = \{x\} \quad \text{First}(B) = \{b\}$$

$$\text{First}(P) = \{d, \epsilon\}$$

$$\text{First}(Q) = \{a, \epsilon\}$$

$$\text{Follow}(S) = \{\$ \}$$

$$\text{Follow}(A) = \{\$ \}$$

$$\text{Follow}(B) = \{\$ \}$$

$$\text{Follow}(P) = \{\epsilon, \$ \}$$

$$\text{Follow}(Q) = \{\epsilon, \$ \}$$



$$\text{First}(AB) \cap \text{First}(PQX) = \emptyset$$

$$\text{First}(dp) \cap \text{First}(\varepsilon) = \emptyset$$

$$\text{First}(aQ) \cap \text{First}(\varepsilon) = \emptyset$$

$$\text{First}(dp) \cap \text{Follow}(p) = \{\varepsilon\} \neq \emptyset$$

故而不是 LL(1) 文法

