

Consider the grammar

$$S \rightarrow 0S1 \mid 01$$

$$S \rightarrow +SS \mid *SS \mid a$$

$$S \rightarrow S(S)S \mid \varepsilon$$

$$S \rightarrow SS + \mid SS * \mid a$$

- 1) Is the grammar ambiguous?
- 2) Write FIRST and FOLLOW function.
- 3) Construct the predictive parsing table.

Consider the grammar

$$S \rightarrow 0S1 \mid 01$$

$$S \rightarrow +SS \mid *SS \mid a$$

$$S \rightarrow S(S)S \mid \varepsilon$$

$$S \rightarrow SS + \mid SS * \mid a$$

- 1) Is the grammar ambiguous?
- 2) Write FIRST and FOLLOW function.
- 3) Construct the predictive parsing table.

Consider the grammar

$$S \rightarrow 0S1 \mid 01$$

$$S \rightarrow +SS \mid *SS \mid a$$

$$S \rightarrow S(S)S \mid \varepsilon$$

$$S \rightarrow SS + \mid SS * \mid a$$

- 1) Is the grammar ambiguous?
- 2) Write FIRST and FOLLOW function.
- 3) Construct the predictive parsing table.