

TYN: 10/22/2019

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$$S \rightarrow ABC$$

$$A \rightarrow aB \mid C$$

$$B \rightarrow bB \mid a$$

$$C \rightarrow cC \mid \lambda$$

$$C \rightarrow \lambda \quad A \rightarrow C$$

$$1) \quad V_n = \{C, A\}$$

$$3) \quad S \rightarrow AB \mid BC \mid B$$

$$A \rightarrow aB$$

$$C \rightarrow c$$

$$a \quad S \rightarrow ABC$$

$$A \rightarrow aB \mid C$$

$$B \rightarrow bB \mid a$$

$$C \rightarrow cC$$

$$2) \quad S \rightarrow ABC \mid AB \mid BC \mid B$$

$$A \rightarrow aB \mid C$$

$$B \rightarrow bB \mid a$$

$$C \rightarrow cC \mid c$$

$$1. \quad (S, B), (A, C)$$

$$2. \quad S \rightarrow ABC \mid AB \mid BC \mid bB \mid a$$

$$A \rightarrow aB \mid cC \mid c$$

$$B \rightarrow bB \mid a$$

$$C \rightarrow cC \mid c$$

$$3) \quad 1. \quad S \rightarrow ABC \mid AB \mid BC \mid BB \mid a$$

$$A \rightarrow A, B \mid C, C \mid c$$

$$B \rightarrow B, B \mid a$$

$$C \rightarrow C, C \mid c$$

$$2. \quad A \rightarrow a$$

$$B \rightarrow b$$

$$C \rightarrow c$$

$$3. \quad S \rightarrow AS_1$$

$$S_1 \rightarrow BC$$