

Question 3

Answer 3.

$$S \rightarrow aB$$

$$S \rightarrow bA$$

$$A \rightarrow a$$

$$A \Rightarrow aS$$

$$A \rightarrow bAA$$

$$B \rightarrow b$$

$$B \rightarrow bS$$

$$B \rightarrow aBB$$

$$S \rightarrow aB$$

$$\rightarrow aaBB$$

$$\rightarrow aaaS$$

$$\rightarrow aabbS$$

$$\rightarrow aabbaB$$

$$\rightarrow aabtabS$$

$$\rightarrow aaababbA$$

$$\rightarrow aaababb a$$