

1. Convert the given grammar to CNF

$$\begin{aligned}a &\rightarrow aAD \\ A &\rightarrow aB \mid bAB \\ B &\rightarrow b \\ D &\rightarrow d\end{aligned}$$

2. Convert the given grammar to CNF

$$\begin{aligned}S &\rightarrow 1A / 0B \\ A &\rightarrow 1AA / 0S / 0 \\ B &\rightarrow 0BB / 1S / 1\end{aligned}$$

3. Convert the given grammar to CNF

$$\begin{aligned}S &\rightarrow aX \mid Y \mid bab \\ X &\rightarrow /\backslash \mid Y \\ Y &\rightarrow bb \mid bXb\end{aligned}$$

4. Convert the given grammar to GNF

$$\begin{aligned}S &\rightarrow AB \mid BC \\ A &\rightarrow AB \mid a \\ B &\rightarrow AA \mid CBb \\ C &\rightarrow a \mid b\end{aligned}$$

5. Convert the given grammar to GNF-

$$\begin{aligned}S &\rightarrow AB \\ A &\rightarrow BS \mid b \\ B &\rightarrow SA \mid a\end{aligned}$$

6. Convert the given grammar to GNF-

$$\begin{array}{l} S \rightarrow AA|O \\ A \rightarrow SS|1 \end{array}$$