1a. Convert the following grammar into Chomsky Normal Form

\[ S \rightarrow aaAB \mid BAbb \]
\[ A \rightarrow bAB \mid BAa \mid b \]
\[ B \rightarrow BAa \mid bAB \mid a \]

1b. Convert the same grammar to Geribach normal form

2a. Convert the following grammar to Chomsky Normal form

\[ S \rightarrow aSb \mid bSa \mid a \mid b \]

2b. Convert the same grammar to Greibach Normal form

3a. Convert the following grammar to Chomsky Normal form

\[ S \rightarrow AbAbb \mid a \]
\[ A \rightarrow aaA \mid bAb \mid a\]}

3b. Convert the same grammar to Greibach Normal form