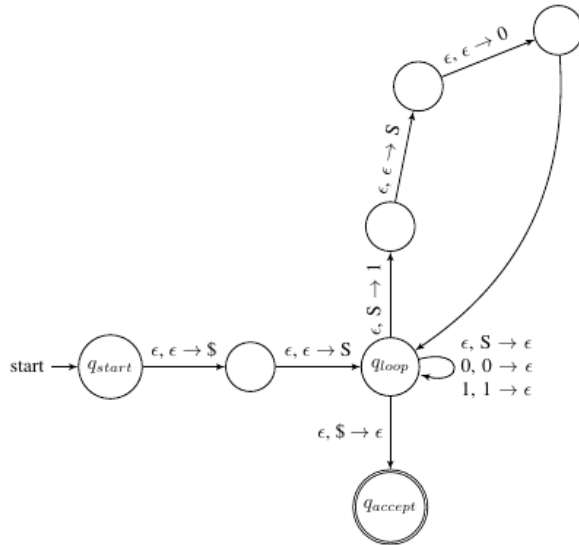


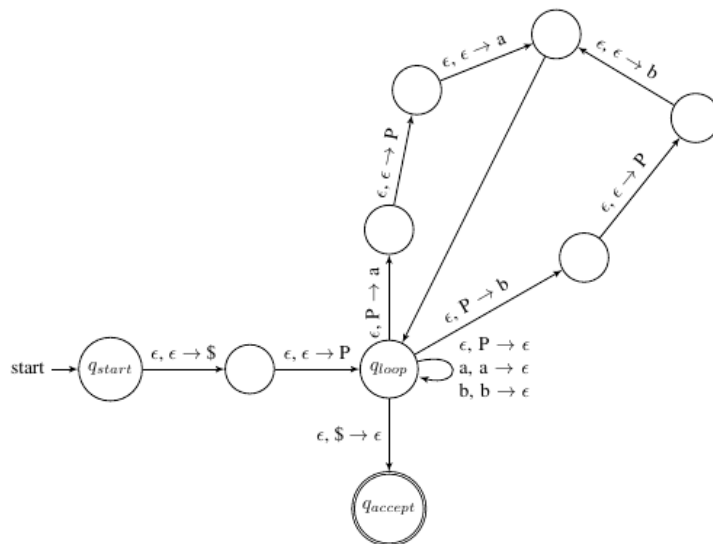
Chapter 2.4 Practice Key

Construct PDAs from CFGs below.

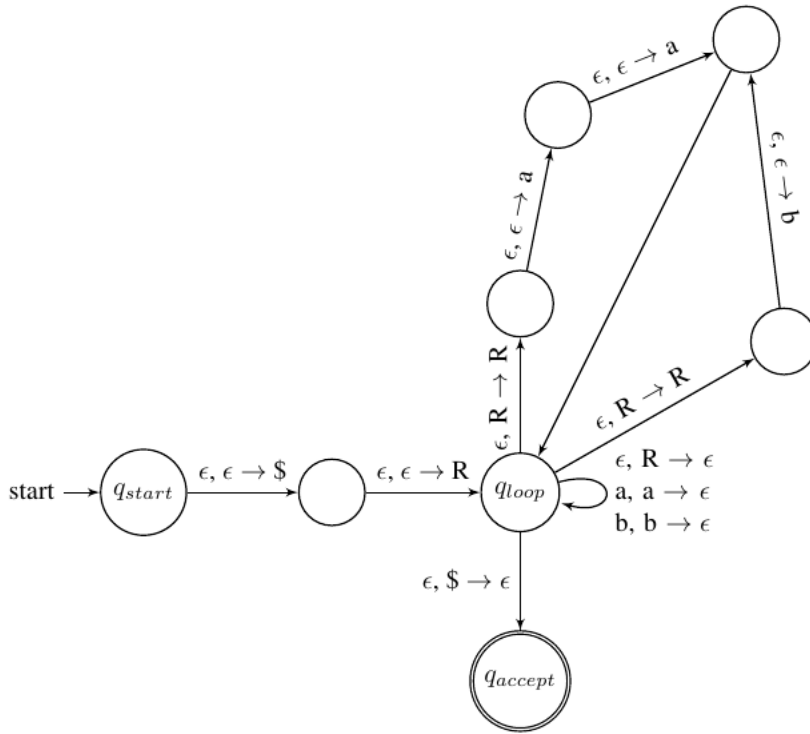
1. $S \rightarrow 0S1 \mid \varepsilon$



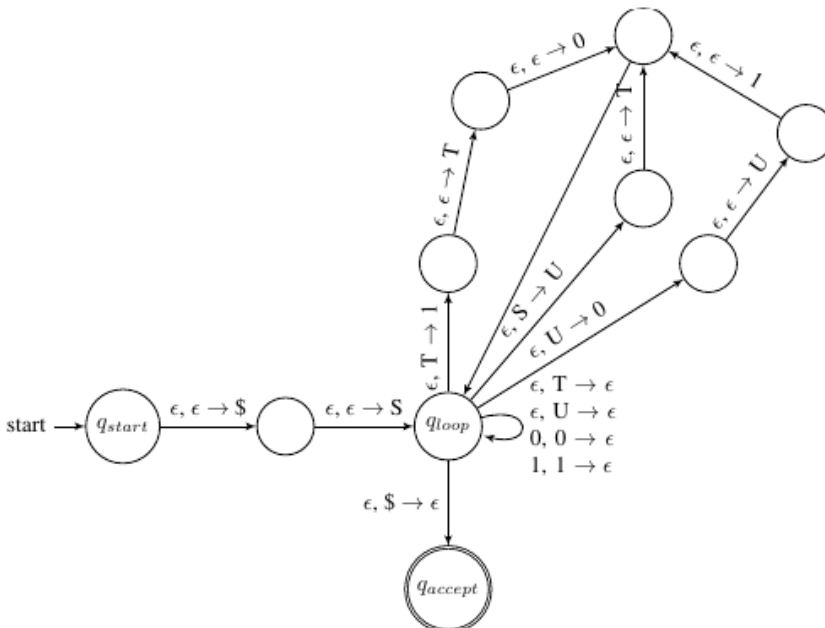
$$2. \quad P \rightarrow aPa \mid bPb \mid \varepsilon$$



3. $R \rightarrow aaR \mid bR \mid \epsilon$



4. $S \rightarrow TU$
 $T \rightarrow 0T1 \mid \epsilon$
 $U \rightarrow 1U0 \mid \epsilon$



5. $E \rightarrow aaE \mid bbE \mid D \mid \epsilon$
 $D \rightarrow abD \mid baD \mid E$

