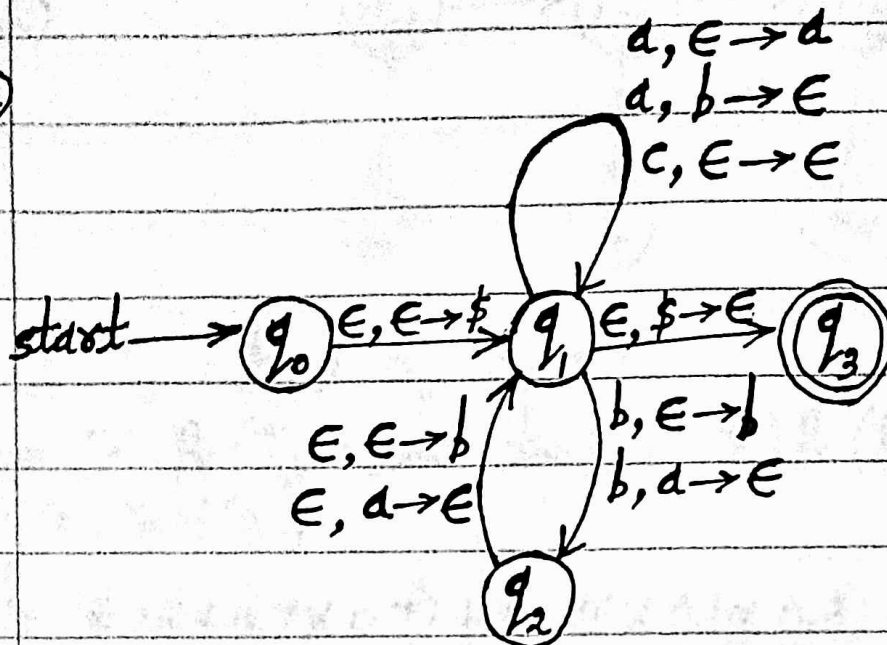
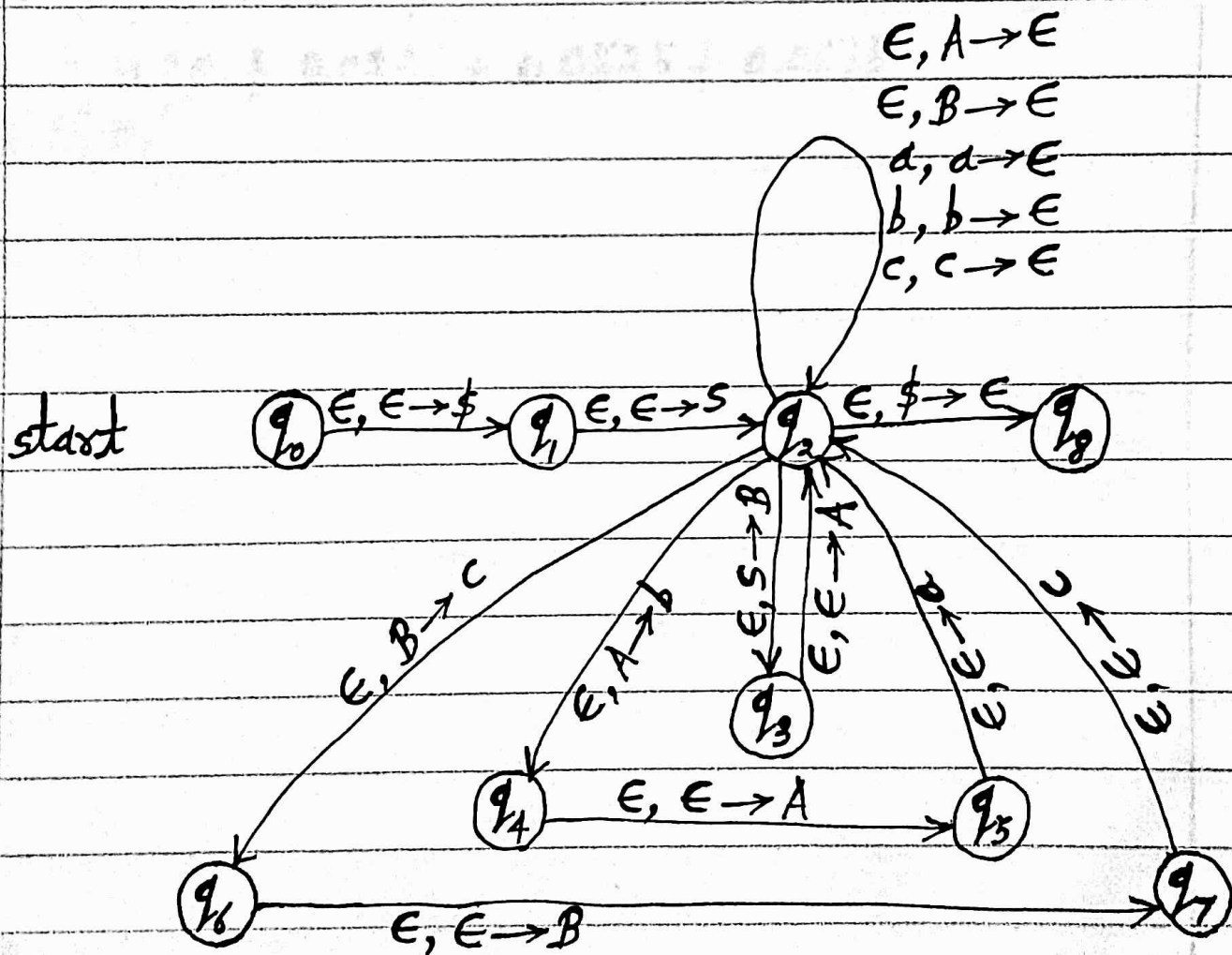


CSE303: Homework #5

Task 1 (a)



(b)



Test 2

(a) $S \rightarrow PQR$

$$P \rightarrow PaA | PbB | \epsilon$$

$$BQ \rightarrow lQB$$

$$AQ \rightarrow aQA$$

$$Aa \rightarrow aA$$

$$Ab \rightarrow bA$$

$$Ba \rightarrow aB$$

$$Bb \rightarrow bB$$

$$AP \rightarrow Pa$$

$$BP \rightarrow Rb$$

$$Q \rightarrow \epsilon$$

$$R \rightarrow \epsilon$$