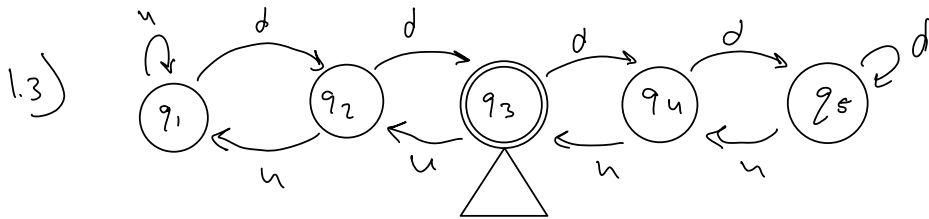
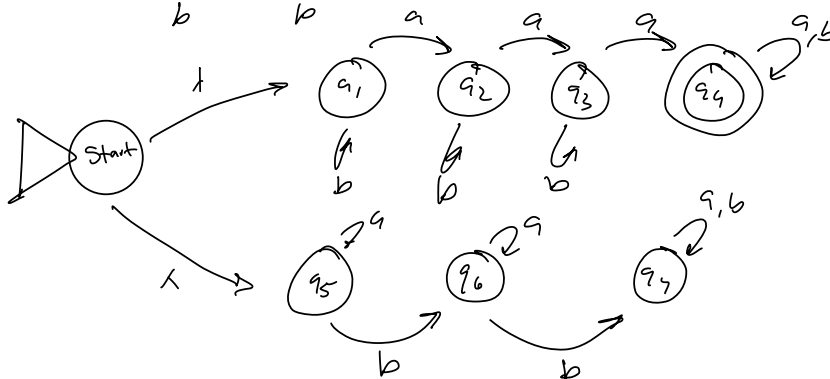
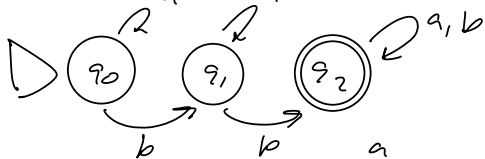
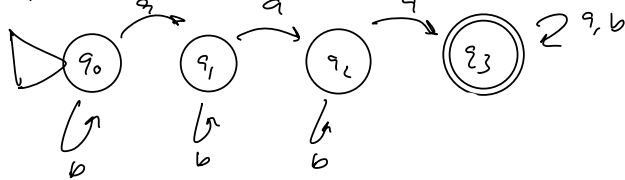


Connor Marler Theory of CompSci Homework #2

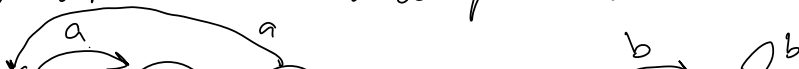
1.3, 1.4a, 1.4f, 1.6a, 1.6b, 1.6e, 1.6f, 1.6n, 1.7d, 1.7g

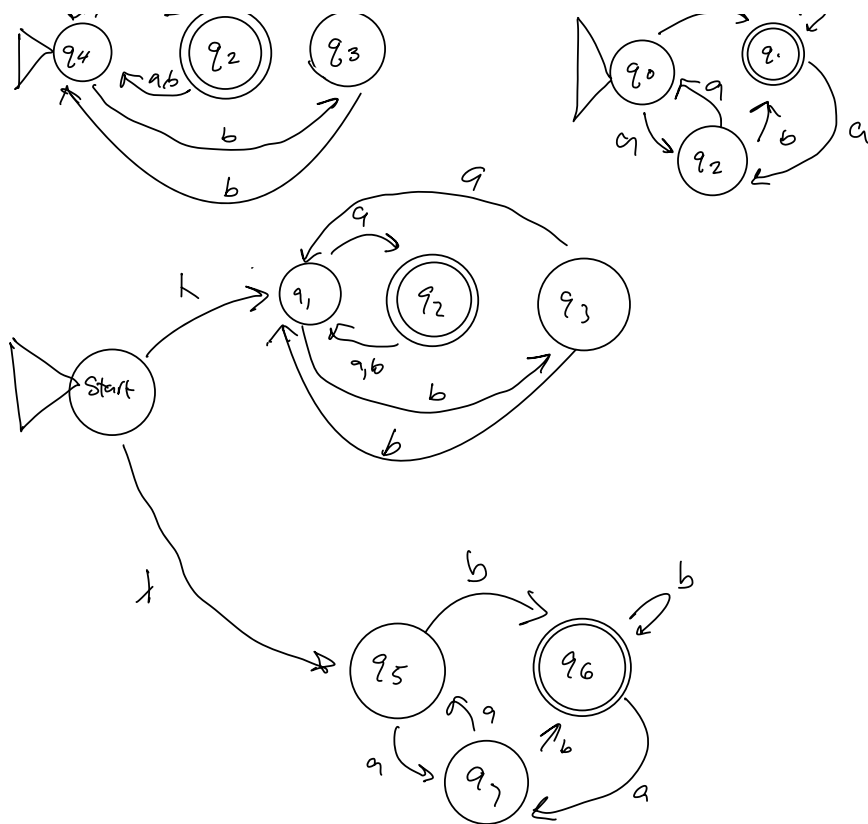


1.4a) $\{w \mid w \text{ has at least three a's and least two b's}\}$

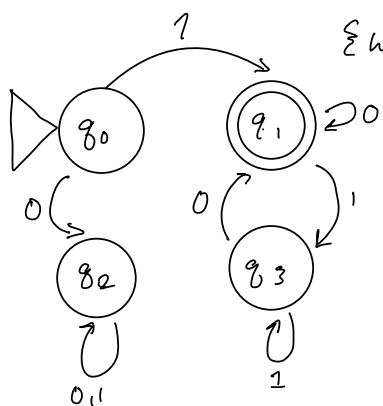


1.4f) $\{w \mid w \text{ has an odd number of a's and ends with a b}\}$

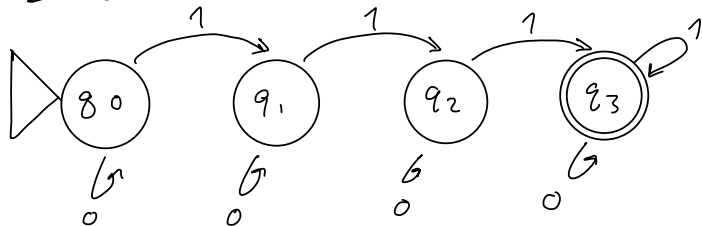




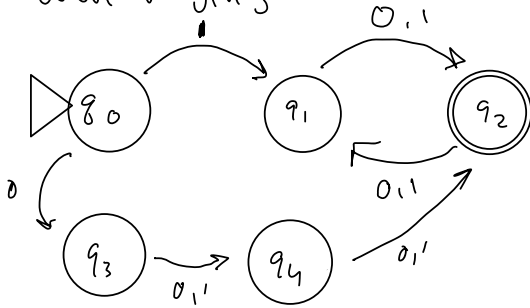
1.6 a) $\{w/w \text{ begins with a 1 \& ends with a 0}\}$



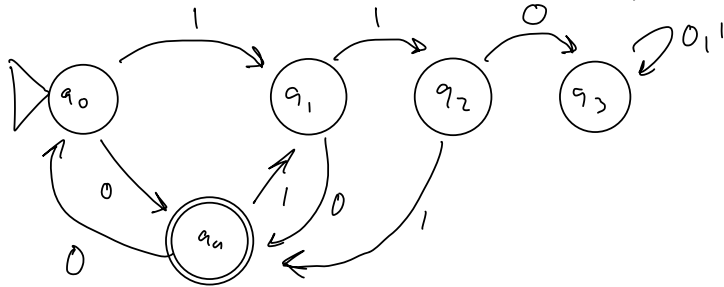
1.6 b) $\{w/w \text{ containing at least three 1s}\}$



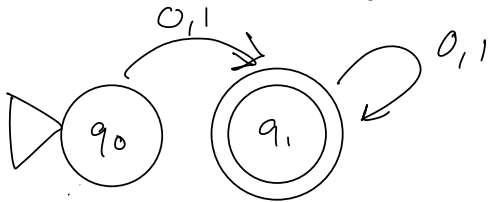
1.6e) $\{w/w \text{ starts with 0 and has odd length, or starts with 1 and has even length}\}$



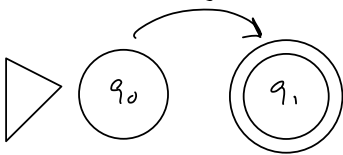
1.6f) $\{w/w \text{ does not contain the string } 110\}$



1.6g) $\{w/w \text{ all strings except the empty string}\}$



1.7d) $\{w/w \text{ the language is } \{0\} \text{ with 2 states}\}$



1.7g) $\{w/w \text{ the language is } \{\epsilon\} \text{ with one state}\}$

