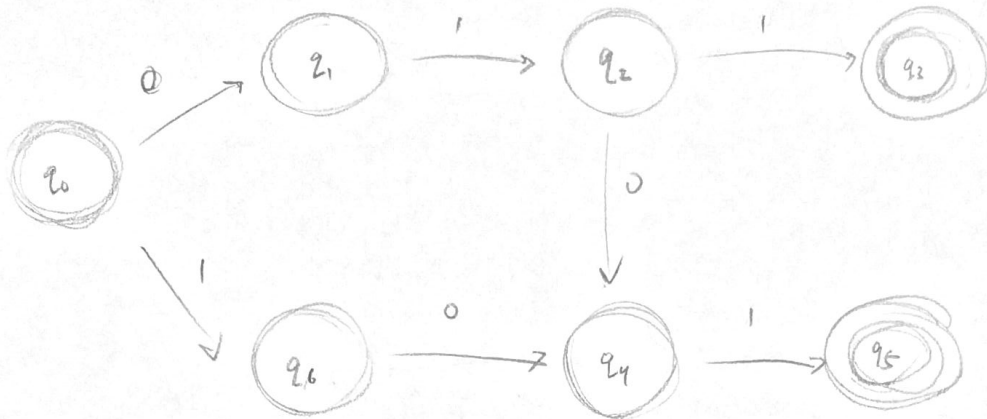


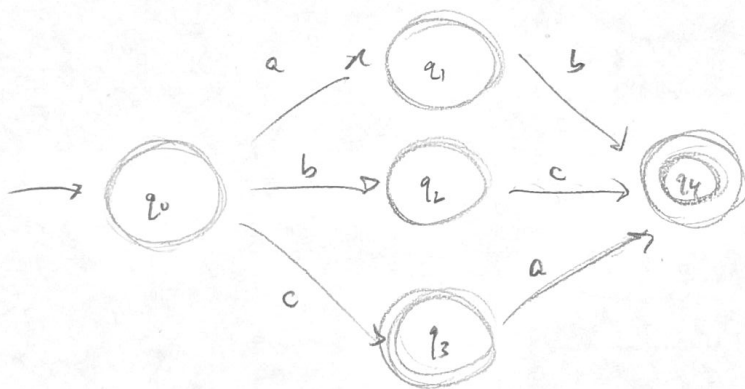
Assignment 4

*2.4.1

b.



c.



*2.4.2

Same as above.

*2.5.a

- a.
- $p \rightarrow \{p, q, r\}$
 - $q \rightarrow \{q\}$
 - $r \rightarrow \{r\}$

b. $\Sigma = \{a, b, c\}$

a, b, c

aa, ab, ac, ba, bb, bc, ca, cb, cc

aaa, aab, aac, aba, abb, bac, bab, baa, bbb, bcc, bca, bcb, bcc, caa, cab, cac, cba, cbb, cbc, cca, ccb, ccc