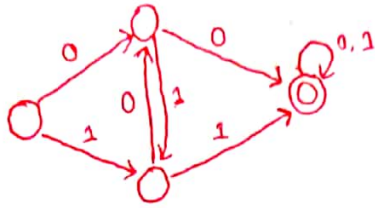


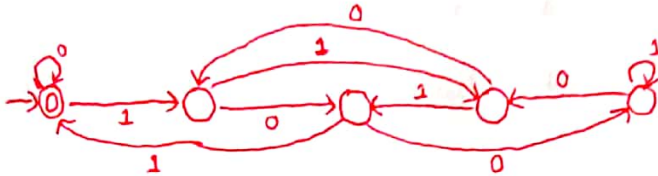
1/

a)

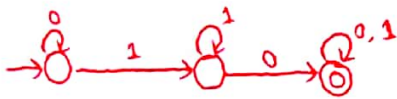


b) see Example 1.13 from the book.

c)



d)



2/

a)  $(001)^* (01001\epsilon)$

b)  $0\Sigma^*0 \mid 1\Sigma^*1 \mid 0 \mid 1 \mid \epsilon$

c) see 2(b) of the assignment.

d)  $0^* (1^* 000^*)^* 1^* 0^*$

3/

a)

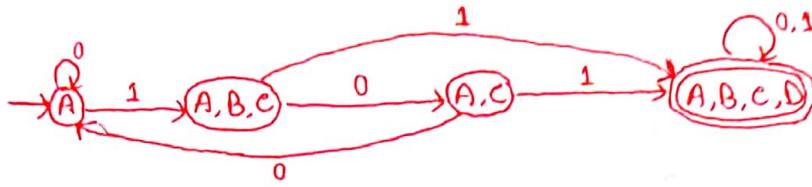


b) see Example 1.30 from the book.

c) see Example 1.33 from the book.

4/

a)



b) See Example 1.41 from the book.

5/

a) See Example 1.56 from the book.

b) See Example 1.58 from the book.

6/

a)  $11\varepsilon^*$

b) See Example 1.68 from the book.