Section – 5

Q2 Construct a NFA for the language L which accept all the string in which the third symbal from right end is always a over $\Sigma = (a, b)$. Different between DFA and NFA

Ans=Q2 (a) All strings that do not end with aa.

$$\varepsilon + a + b + (a+b)^* (ab + ba + bb)$$

(b) All strings that contain an even number of b's.

$$a^* (ba^* ba^*)^*$$

(c) All strings which do not contain the substring ba.

$$a^* b^*$$

Fig. shows an NFA for the language L2.