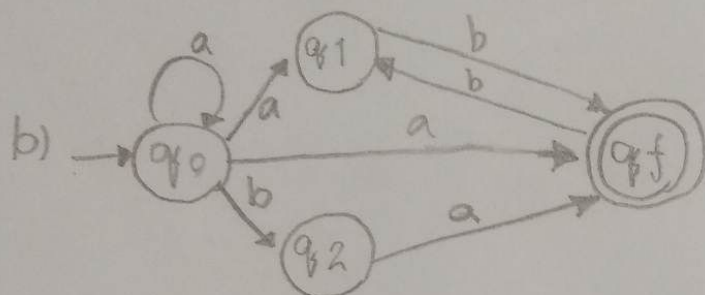


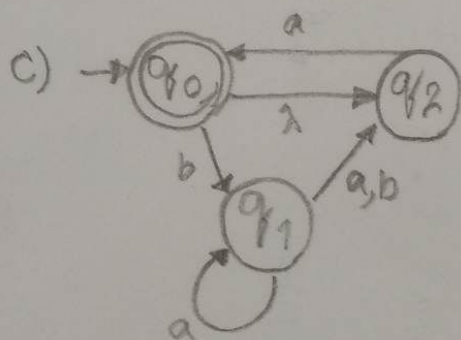
$$L(M) = L(ab) \cup L(a)$$



sol:  $a^n ab, a^n a, a^n ba, a^n ba \cdot bb^*$

$$L(M) = L((a^n) \cdot (ab + a + ba + ba \cdot bb^*))$$

$$n = (0, \infty)$$



sol:  $ba^n aa, ba^n ba, aa$

$$n = (0, \infty)$$

$$L(M) = L((ba^n) \cdot (aa + ba)) \cup L(a)$$