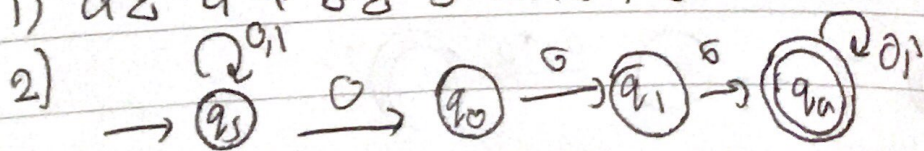


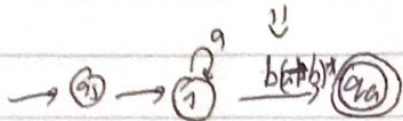
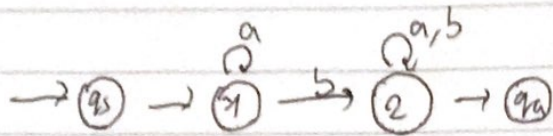
Practice :

1) $a^* + b^* + a + b + \epsilon$



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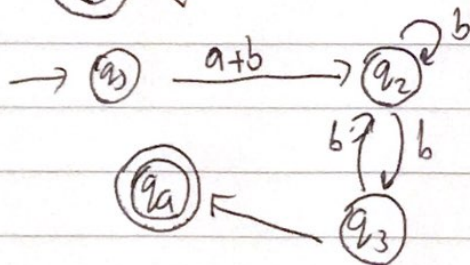
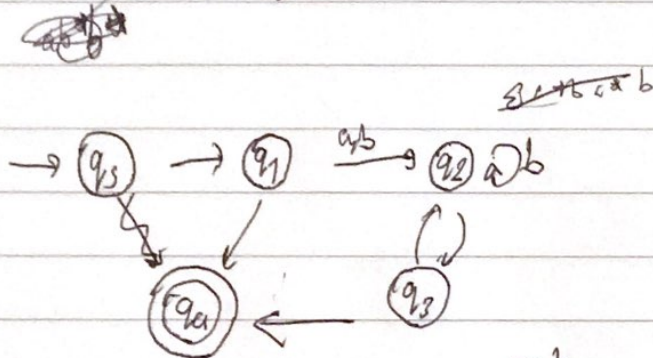
3)



$$\rightarrow q_0 \xrightarrow{a^*b(a+b)^*} q_2$$

$$= a^*b(a+b)^*$$

4)



$$= \varepsilon ((a+b)b^+a)^+ (a+b)b^+\varepsilon$$