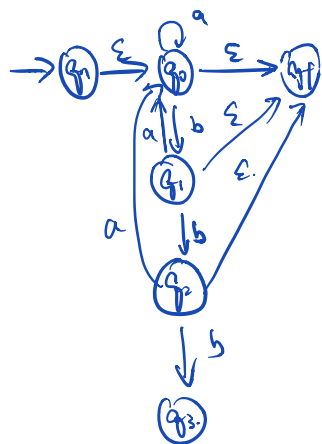
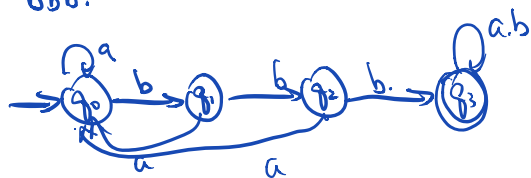


bbb.



kill  $q_0$

$$q_n \rightarrow q_f. a^*$$

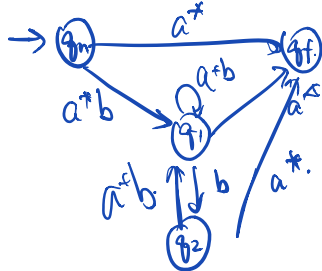
$$q_n \rightarrow q_1. a^*b$$

$$q_1 \rightarrow q_1. a^*b$$

$$q_1 \rightarrow q_f. a^*$$

$$q_1 \rightarrow q_f. a^*b \epsilon$$

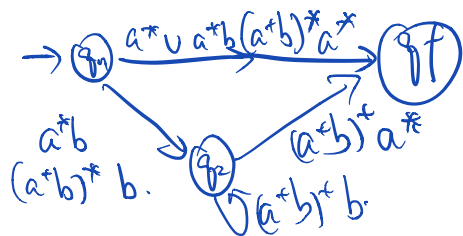
$$q_2 \rightarrow q_1. a^*b$$



kill  $q_1$

$$q_n \rightarrow q_f. a^* \cup a^*b(a^*b)^*a$$

$$q_n \rightarrow q_2. a^*b(a^*b)^*b. \quad q_2 \rightarrow q_2. (a^*b)^*b$$



$$a^* \cup a^*b(a^*b)^*a^* \cup a^*b(a^*b)^*b$$

$$(a^*b)^*b)^*$$

$$(a^*b)^*a^*$$