Laboratory work #2: variant 23

NFA:

Variant 23
$AF = (Q, \Sigma, \delta, q_0, F)$,
$Q = \{ q_0, q_1, q_2 \}$,
$\Sigma = \{ a, b \}$, $F = \{ q_2 \}$.
$\delta (q_0, a) = q_0$,
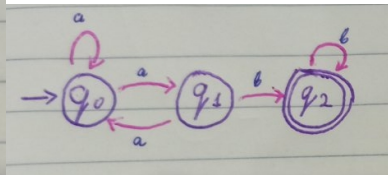$\delta (q_0, a) = q_1$,
$\delta (q_1, b) = q_2$,
$\delta (q_0, b) = q_0$,
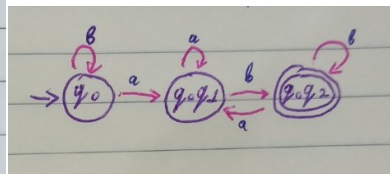$\delta (q_2, b) = q_2$,
$\delta (q_1, a) = q_0$.

DFA:

$Q = \{q_0, q_0q_1, q_0q_2\}$
$(q_0, a) = q_0q_1$,
$(q_0, b) = q_0$,
$(q_0q_1, a) = q_0q_1$,
$(q_0q_1, b) = q_0q_2$,
$(q_0q_2, a) = q_0q_1$,
$(q_0q_2, b) = q_0q_2$.