Q3 for 9825413

Covert (NFA to DFA):
$N = (Q, \Sigma, \delta, q_1, F)$,
$Q = \{q_1, q_2, q_3, q_4\}$,
$\Sigma = \{y, x\}$, $F = \{q_4\}$,
$\delta(q_1, y) = \{q_1, q_2\}$, $\delta(q_1, x) = \{q_1\}$, $\delta(q_1, \varepsilon) = \varnothing$,
$\delta(q_2, y) = \{q_3\}$, $\delta(q_2, x) = \varnothing$, $\delta(q_2, \varepsilon) = \varnothing$.
$\delta(q_3, y) = \varnothing$, $\delta(q_3, x) = \{q_4\}$, $\delta(q_3, \varepsilon) = \{q_4\}$.
$\delta(q_4, y) = \{q_4\}$, $\delta(q_4, x) = \{q_4\}$, $\delta(q_4, \varepsilon) = \varnothing$.