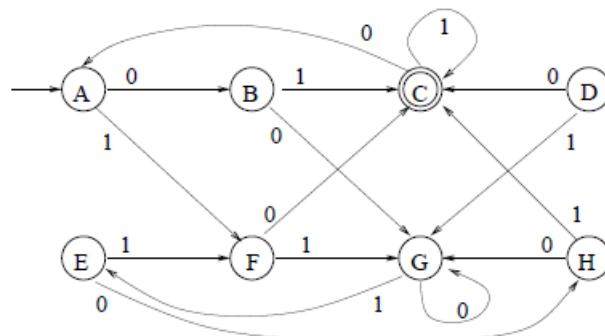
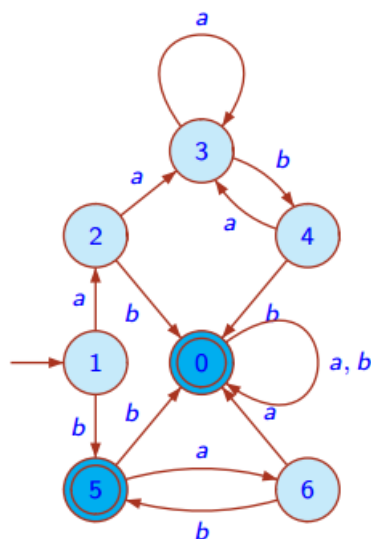


Minimize the following finite automata.

1. Minimize the following DFA



2. Minimize the following DFA



3. Minimize the DFA, $M=(Q, \Sigma, \delta, q_0, F)$ with

$Q=\{q_0, q_1, q_2, q_3, q_4, q_5, q_6, q_7\}$

$\Sigma = \{0, 1\}$

$F=\{q_3\}$, and δ is defined by

δ	0	1
q_0	q_1	q_0
q_1	q_0	q_2
q_2	q_3	q_1
q_3	q_3	q_0
q_4	q_3	q_5
q_5	q_6	q_4
q_6	q_5	q_6
q_7	q_6	q_3