Convert the following finite automata into equivalent regular expressions.

1. M=(Q, $\sum$, δ, q_0, F) with

   Q={q_0, q_1, q_2, q_3, q_4}
   $\sum$ = {0, 1}
   F={q_4}, and δ is defined by

δ	0	1
q_0	q_1	q_3
q_1	q_1	q_4
q_2	q_2	q_1
q_3	q_4	q_3
q_4	q_2	q_4

2. M=(Q, $\sum$, δ, q_0, F) with

   Q={q_0, q_1, q_2, q_3}
   $\sum$ = {0, 1}
   F={ q_3}, and delta is defined by

δ	0	1
q_0	q_2	q_1
q_1	q_1	q_3
q_2	q_2	q_1
q_3	q_3	q_3

3. M=(Q, $\sum$, δ, q_0, F) with

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