

### Question 3

The formal definition

$$Q = \{A, B, C\}$$

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

$$\delta(A, 0) = A \quad \delta(A, 1) = B$$

$$\delta(B, 0) = B \quad \delta(B, 1) = C$$

$$\delta(C, 0) = C \quad \delta(C, 1) = C$$

Start state = A

$$F = \{A, B\}$$

	0	1
A	A	B
B	B	C
C	C	C