INPUT:
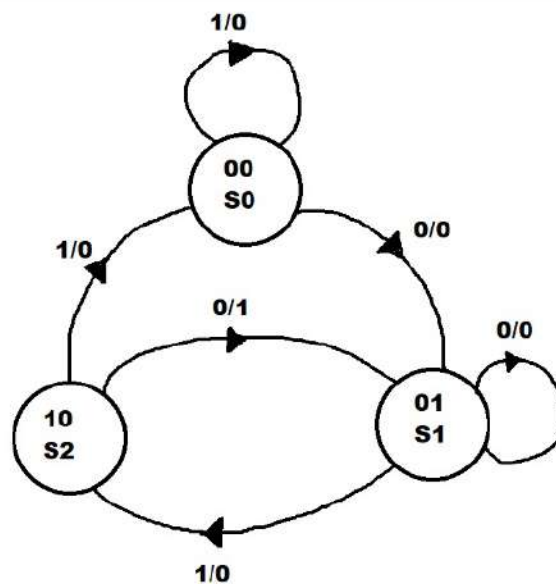x- Continuous
string of binary
digits.

OUTPUT:
y- It becomes 1
when sequence
010 gets detected.

STATES:
S0: Idle State,
remains in this
state when first
digit of sequence,
i.e. 0 is not
detected (010)

S1: This state is
achieved as soon
as first digit is
detected, i.e. 0 in
010.

S2: This state is
achieved as soon
as second digit i.e.
1 is detected (010)

Present State		Input	Next State		Flip Flop Input		Output
Qa	Qb	x	Qa+	Qb+	Ta	Tb	y
0	0	1	0	0	0	0	0
0	0	0	0	1	0	1	0
0	1	0	0	1	0	0	0
0	1	1	1	0	1	1	0
1	0	0	0	1	1	1	1
1	0	1	0	0	1	0	0