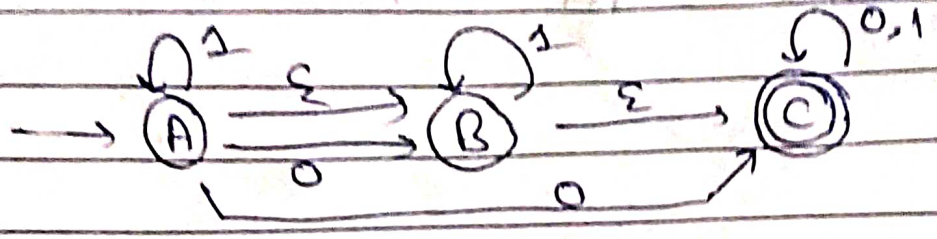
Q.2.

(a)



NFA

	0	1	ε
A	BC	A	B
B	-	B	C
C	C	C	-

ε - closure (A) → {A, B, C}
ε - closure (B) → {B, C}
ε - closure (C) → {C}

Take the ε-closures as the states in DFA

DFA

	0	1
ABC	BC	ABC
BC	C	BC
C	C	C