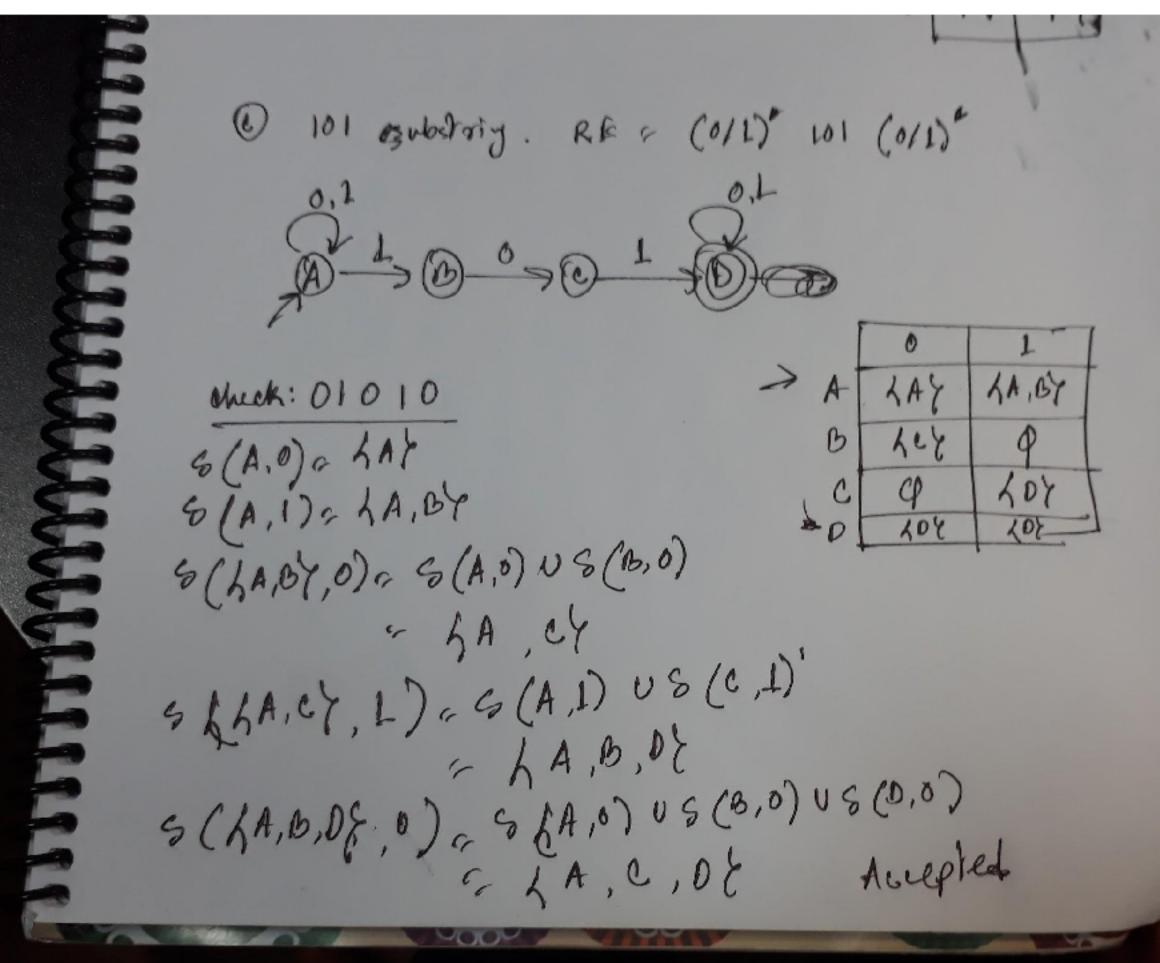
a) end with 101 Tram. Table RE = (0/1) 4/07 Tram, Diagram: $\rightarrow A / A$ {A,B} B / 2c > / Ø $\rightarrow (A)$ $\longrightarrow (B)$ $\longrightarrow (C)$ Checking 0100: $S(A, 0) = \{A\}$ $\{\{A,C\},0\}=S(A,0)US(C_0)=\{A\}$ $S(A,1) = \{A,B\}$ Sence A is not final, 0100 S(14,8),0) = S(4,0)is rejected. $= \{A,c\}$

Start with 101 $RE = 101 (4/1)^{4}$ $A = 100 (4/1)^{4}$



$$\rightarrow$$
 \bigcirc

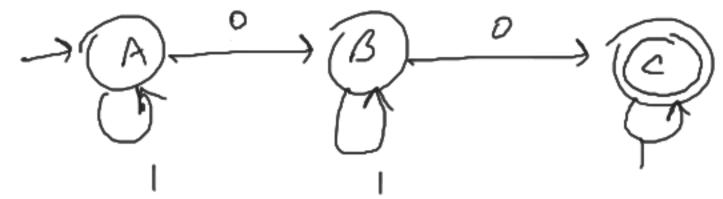
g) exactly one 0: RE = 1°01° | checking 110101:

$$\rightarrow A \bigcirc A$$

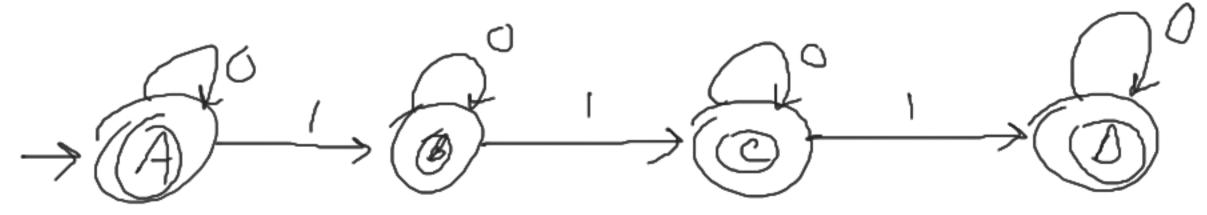
$$\delta(A,I) = A$$

$$\delta(A_{i}0) = r$$

h) exactly to 05: RE = 1701"01"



(i) and (j) same as DFA



e) at least there 15 " RE = 09107091 (6/1) $\rightarrow (A) \xrightarrow{1} (B) \xrightarrow{1} (C) \xrightarrow{1} (D)$ ALT. RE = (0/1) + (6/1) + (0/1) + (6/1) R $\rightarrow (A) \xrightarrow{(A)} (B) \xrightarrow{(A)} (C) \xrightarrow{(A)} (D)$