DFA to R.E a,b,+,9,. Step 1: Equations

$$\begin{array}{c}
92 = 209 \\
\hline
92 = 69 \\
\hline
92 = RE = R \\
\hline
92 = 9 \\
\hline
93 = 9 \\
\hline
94 = 9$$

(20a) b

$$R = Q + RP$$

$$R = QP$$

$$q_{1} = q_{0} | 1$$
 $q_{1} = q_{0} | 1$
 $q_{1} = q_{0} | 1$
 $q_{1} = q_{0} | 1$
 $q_{2} = q_{0} | 1$
 $q_{3} = q_{0} | 1$
 $q_{4} = q_{5} | 1$
 $q_{5} = q_{5} | 1$

C = BII C = A111

$$A = E + AO + BO + CO$$
 $A = E + AO + A1O + A1112O$
 $A = E + A(O + 10 + 1111O)$
 $A = E(O + 10 + 111O)$
 $A = (O + 10 + 111O)$
 $C = (O + 10 + 111O)$
 $C = (O + 10 + 111O)$

$$P = \epsilon + PO$$

$$Q = P1 + Q1$$

$$VR = QO + RO + R1$$

$$P = \epsilon + PO$$

$$Q = P11^{\circ}$$

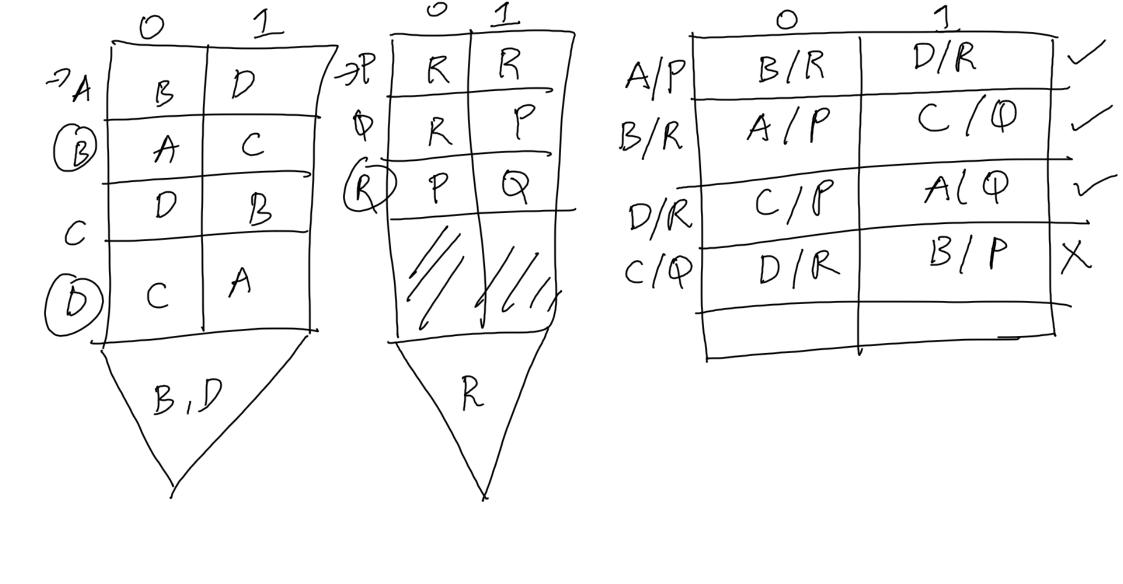
$$P = \epsilon + PO$$

$$P = \epsilon + PO$$

$$P = \epsilon + PO$$

Equivalence of two DFAS. Step 1:- DFA2 start state is final state

STEP 1:- DFA2 start state must be final s



d Cl (9,94)