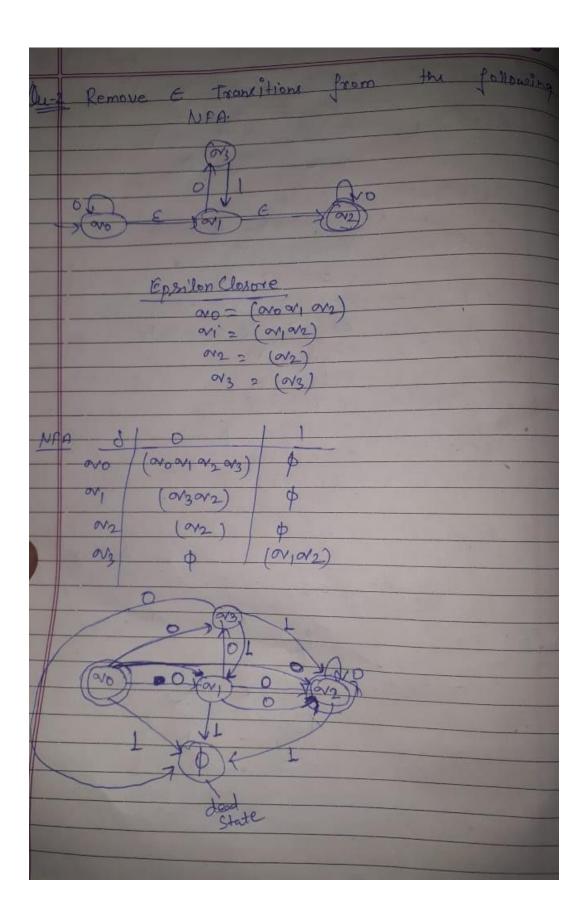
	Tutonial - 3 - TAFL Page
Qui-	Convert the following NFA with E transitions.  to Counterponding to DFA.
	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
	AED D D D
	EC A = (ABD) $B = (B)$ $C = (C)$ $D = (D)$ $E = (E)$
	Starting State ECOA)= ABD-New State.
	S(ABD),0) = EC(S(A10) V d(B10) U S(D10)) = EC (AUCUE) = EC (ACE) = ABDCE New State.
	$\frac{\mathcal{E}(AB)_{(1)} - \mathcal{E}(\mathcal{E}(A_{12}) \cup \mathcal{E}(B_{11}) \cup \mathcal{E}(D_{11}))}{\mathcal{E}(\mathcal{E}(B)) - \mathcal{E}(\mathcal{E}(B))}$ $= \mathcal{E}(\mathcal{E}(B)) - \mathcal{E}(B) = \mathcal{E}(B) = \mathcal{E}(B)$
5	$S(ABDCE)_{,0}) = EC(S(A_{10}) \cup S(B_{10}) \cup S(D_{10}) \cup S(C_{10})$ $= EC(AUCUEU & UP)$ $= EC(ACE) = ABDCE$



```
S(ABDCF),1) = EC(S(A1)) U S(B1) U S(D11) US(
                EC(EBB) = EDB - New State
 S(ED),0) = EC(S(E,0) U S(D10))
               = &c ( d u p)
 d(ED)(1) = EC(B(E,1) \cup d(D(1))
= EC(\Phi \cup D) = EC(D) = D \text{ Now State}.
 d(EDB)(0) = EC( &(E,0)U &(D10) U & (B,0))
               = EC(QUEUC)
= EC(EC) = EC NEW Starte.
S(EDB)11) = EC(S(E,1) V S(D11) V S(B11))
               = EC ( DE ) = DE NEW Stute
((D)10) = EC(S(D10))
             = EC(E) = E New State.
 E(D)11) = E((B(D,1))
S(EC),0) = EC(S(E,0) U S(C,0))
    (\varepsilon_{0})_{11} = \varepsilon_{0}(\phi \cup \phi) = \phi
(\varepsilon_{0})_{11} = \varepsilon_{0}(\varepsilon_{0}(\varepsilon_{11}) \cup \varepsilon_{0}(\varepsilon_{11}))
```

Ours Convert to following NFA to DFA with minimum.
Number of States (Convenion done in tut 2).
(NO 011 NOT) 011 NOT)
NFA 610 1.1
No (000 M) (01)
ov 1 (ov2) (ov2)
or - (or2)
200:
DFA .
(01 01) (01) (01)
( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( (
$ \begin{array}{c c} (\alpha_0\alpha_1) & (\alpha_0\alpha_1\alpha_1) & (\alpha_1\alpha_2) \\ \alpha_1 & \alpha_2 & \alpha_2 \\ (\alpha_1\alpha_2) & \alpha_2 & \alpha_2 \end{array} $
(20001002) $(20001002)$ $(201002)$
(20001002) (00001002) (001002)
0 (2000 10V 2)
- Condition of the cond
1 Cara Land
100000000000000000000000000000000000000
The state of the s
0