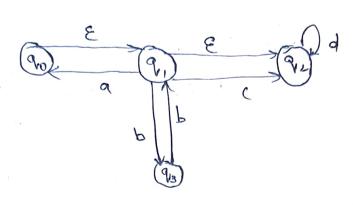
Convert E NFA in to NFA without & transition



slep 1 - find out all the opsilon townstonmation from

obbin E - closure of each stab

E-closure Equip => Equip , qui, que New initial state of NFA

E-closure Eq. 3=> Eq. 9.23 New state 08

E-closure EQ 29= EQ 23 New state of

E-dosure E939= E93 New state of

· Step- & find & transition.

obtain 6 teamsition for each state on each impul

39 mbds. 6'(890,9,923,a) = E-dosume (6 (90,9,92),a))

= 8- dosure (6 (90,97) 06 (9,1,8) 06 (92,9))

-e-do sur (\$ 0900\$)

= E-closure (96)

£90,9,929

6'((90,9,923,6)) = & endourie (\$ (\$vo,9,923,6)) = &- elossière & (\$ (9vo,5) 03 (9v,6)0 3 (92,6))

= E dosume (609306)

= E-closure (OV3)

= {q,33

6'(890,9,923,C) = E-dosume (6(90,92),C))

= &- closure (&(200,1)06(20,, ()) 06(202,C))

= E-closure (\$ U9200

= &-dosume (902)

= \$92).

6 (Q10, Q1, Q2, Q) = 8 - closure (6 (Q10, Q1, Q2, 3)

= E-dosure (5(9, d) U6 (9, d) U

6 (9,2,d))

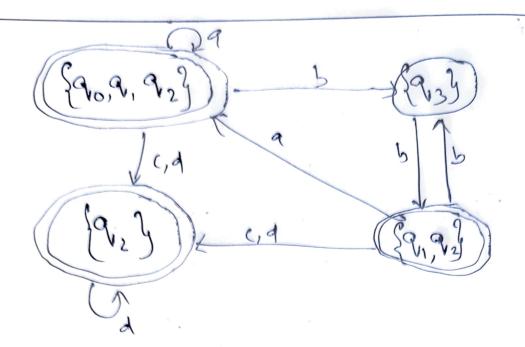
= E-dosare (\$ 00 092)

= E-closure (Piz)

= 8,3

```
S((21, 9,23,a) = E-dosure ((6 [a, 923, a))
                = & closure (6(9,9) 06(9,2,9))
                = E-closure (Pob d)
                 = E - dosume (900)
                = 39001,929
 5'(89,929, B) = E - dosure (6(9,92), b)
                = E_ closure (6 (9,,b)US(92,b))
                 = E - clasure (93)
            - 2934
6'(Q1,923,1) = E. dosume (6 89,923, 9)
               = E-dosure (6 (9,, C) 06 (9,, C))
             = E- Closure (9269)
                 = E - dosunc (9/2)
                 = 8 2
6'(99, 929d) = 8- closure (6(9, 929, d)
               = E- dosume (6 (9, d) U 6 (9, d))
               = E-dosure (0002)
              = &- closure (92)
                = 59,24
```

۳					
	State I ropus	Q	Ь	C	d
,	7590,90,903	290,9,93	29,33	2 923	29.3
	{q29,}	{a, a, a, a, b	E913 9	E923	823
	Enz	£13	563	203	& 2 3
-	R3 3	{6}	{9,9.3	{b3	₹ \$ }.
_					1



.