







5) a)
$$L = \{ \{ \{ \{ \{ \{ \{ \{ \} \} \} \} \} \} \}$$

 $R_1 = \{ \{ \{ \{ \} \} \} \} \}$

$$=(\xi+a+b)(\xi+a+b)(\xi+a+b)$$

Final state 9,

$$R = Q + RP$$

$$= Qp*$$

$$R = Q + RP$$

= $Q p *$

$$R = union of both Final states$$

$$= 0* + 0* | 0*$$

$$= 0* (£+1) 0*$$



7) Regular exp. > Finite automata
a) 0* + 0* 10*
E-NFA:
BRO
BRO



