Theory Of Computation 1) Life (x ) or bostains 101 as missi) 27 L fx | 3th Symbol from Rt u 1 ]
37 L fx | 5 # (x) us duv by 5 ] FSA ( NC) - Algebraic Expreshons -) Succent Reproof Lang {0,13 / 101 Suffix

$$L = \{0,00,000,000,000, \} \quad Rt = 0^{*}$$

$$L = \{0,000,000,000, \} \quad Rt = 1^{*}$$

$$\frac{1}{2exo} \text{ or more } 0^{*}$$

(0+1)\* RE, RI, + RE2  $(0^* + 1^*)^*$  $RL_{1}^{*}$   $RL_{2}^{*}$   $RL_{2}^{*}$   $RL_{2}^{*}$   $RL_{1}^{*}+RE_{2}^{*}$   $RL_{1}^{*}+RL_{2}^{*}$ (RL, +RL, ) Lang  $(0+1) = \{0,1\}$ (0+1) = Zero or more Copies of (0+1)
Concatenation  $L = \int E \left( 0 + 1 \right) \left( 0 + 1$ (0+1)(0+1)(0+1) - All Strongs over 0003

$$(6H)^{\frac{1}{2}} = \{e_{1}0_{1}1_{1}00_{1}01_{1}\}$$

$$(0^{\frac{1}{2}} + 1^{\frac{1}{2}})^{\frac{1}{2}} = \{e_{1}0_{1}1_{1}00_{1}01_{1}\}$$

$$(0^{\frac{1}{2}} + 1^{\frac{1}{2}})^{\frac{1}{2}} = \{0^{\frac{1}{2}} + 1^{\frac{1}{2}}\} = \{0^{\frac{1}{2}} + 1^{\frac{1}{2}}\}$$

$$(0^{\frac{1}{2}} + 1^{\frac{1}{2}})^{\frac{1}{2}} = 1^{\frac{\frac{1}{2}}}\}$$

$$(0^{\frac{1}{2}} +$$

20113° 101, {0,13\* (0+1)\*
101 (0+1)\*
RE = RE, RL2 RL3 RL4 RES 4= L2 = 9 x 3rd symbol from Rt 13  $(0+1)^{*}$  (0+1)(0+1)Lang Brefix 3rd 2nd 1 1st