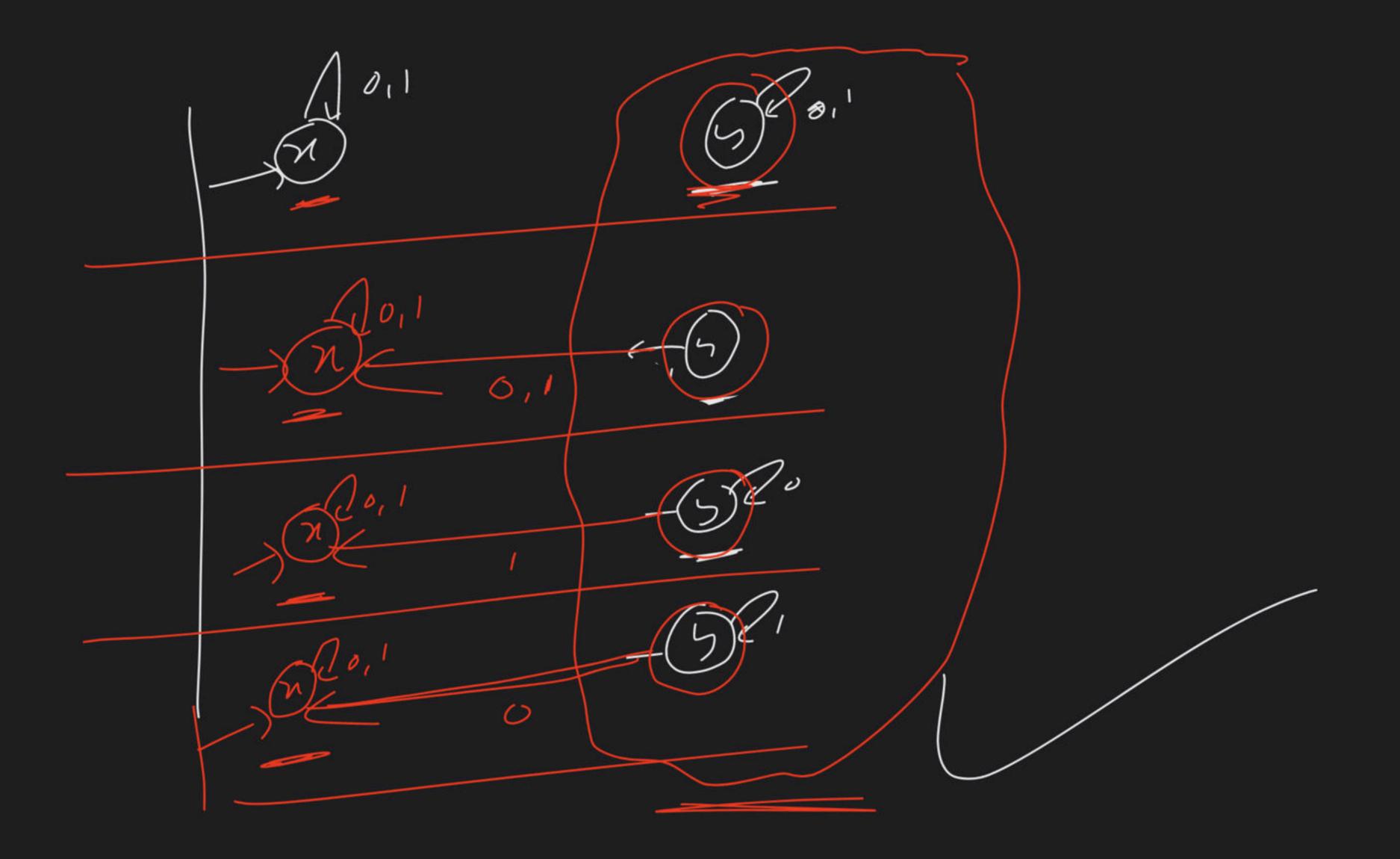


Complete Course on Theory of Computation

You many DFA'S phsible with 2-states (x, y) Where x is story state, &= {0,1} &e accorty

empts language? (b) 1 (c) 17 (d) 20 (e) 25 \(\xi\) 16-DFA - No-Final ==) A State 4-DFA - Yal (+th -) \$



Mow many DFA'S PMisto with 2-5+ly (1/9) when x is initial, &= 20,1) so accept everyty(50) o b) 18 () 26 d) 25 DFA DFA

Give R.E L={ all Strings of a's 116's where storte de Ende Symboll Samet a+b+ae(a+b+a)+(b(a+b)b)+E E· Y L

EIV

Give R.E L= { sor of all string of a's 1255 whe each Afrom abb as substyle abb 2 (a15) abb (a+5) = (1) (abby and)

GRE) [L= { Set of all one o, 1 6 3- Length 5+ ====) 3,4,5,6,-- $(0+1)^{3}(0+1)$ $\left(0+1\right)^{2}\left(0+1\right)^{3}$ $(\sigma+1)^{2}(\sigma+1)^{3}(\sigma+1)^{4}$

Thanks all Dedicte UK

R-B-D