C Sc 220

11/10/2620 R.E. RE: All bit strings (0+1)*

Laset of all os.

0.0

All bitstrings with at least One 1 at the beginning and end with at least one 1. $(0+1)^{k}$ (1.(0+1)* .] $\begin{bmatrix} + & (o+1) \\ \end{pmatrix}$

. Contains at least 3 consecutive Is (0+1)* (1)

 $\left(3\right)$

Détermine whether 11101 is in each of these sets:) { 0,1} * 1 1 × 2 0 × 1 1 × 11,00,00,101

yes it contains eventhing.

Tes

Find A and B?

AB={ 10, 111, 1010, 1000, 10111, 101000}

(i) A={} } B -> The entire set

 $A = \{1, 101\}$ $B = \{0, 11, 600\}$

10, 111, 1000, 1010, 1011, 101000

Find RE for ab n>13, mevent $\alpha \alpha \alpha$ aaabb h = 3 b = 2n=4, b=0 even#

{ab (n+m) is even? n, m are both odd n, m are both even $(aa)^*$ $(bb)^*$ + $a.(aa)^*.b.(bb)^*$

$$\alpha \cdot (\alpha \alpha)^* = (\alpha \alpha)^* \cdot \alpha$$

