CSC 220

11/12/2620

KE

Expression

10

Strings

at followed by as # of is

. 0. (0+1)+

All strings begging by at least one zero.

 $) \rightarrow)$

. (1.1)*

0 0(

even #of Is

RE:
$$(aa)^*$$
. $(bb)^*b$

What is L ?

of 0 's even

of b 's odd

 $L = \begin{cases} 2n & 2m+1 \\ a & m, n \end{cases}$, of

 $L = \begin{cases} 2n & b \\ a & m \end{cases}$
 $L = \begin{cases} 2n & b \\ a & m \end{cases}$
 $L = \begin{cases} 2n & b \\ a & m \end{cases}$
 $L = \begin{cases} 2n & b \\ a & m \end{cases}$
 $L = \begin{cases} 2n & b \\ a & m \end{cases}$
 $L = \begin{cases} 2n & b \\ a & m \end{cases}$
 $L = \begin{cases} 2n & b \\ a & m \end{cases}$
 $L = \begin{cases} 2n & b \\ a & m \end{cases}$
 $L = \begin{cases} 2n & b \\ a & m \end{cases}$
 $L = \begin{cases} 2n & b \\ a & m \end{cases}$
 $L = \begin{cases} 2n & b \\ a & m \end{cases}$
 $L = \begin{cases} 2n & b \\ a & m \end{cases}$
 $L = \begin{cases} 2n & b \\ a & m \end{cases}$
 $L = \begin{cases} 2n & b \\ a & m \end{cases}$
 $L = \begin{cases} 2n & b \\ a & m \end{cases}$
 $L = \begin{cases} 2n & b \\ a & m \end{cases}$
 $L = \begin{cases} 2n & b \\ a & m \end{cases}$
 $L = \begin{cases} 2n & b \\ a & m \end{cases}$
 $L = \begin{cases} 2n & b \\ a & m \end{cases}$
 $L = \begin{cases} 2n & b \\ a & m \end{cases}$
 $L = \begin{cases} 2n & b \\ a & m \end{cases}$
 $L = \begin{cases} 2n & b \\ a & m \end{cases}$
 $L = \begin{cases} 2n & b \\ a & m \end{cases}$
 $L = \begin{cases} 2n & b \\ a & m \end{cases}$
 $L = \begin{cases} 2n & b \\ a & m \end{cases}$
 $L = \begin{cases} 2n & b \\ a & m \end{cases}$
 $L = \begin{cases} 2n & b \\ a & m \end{cases}$
 $L = \begin{cases} 2n & b \\ a & m \end{cases}$
 $L = \begin{cases} 2n & b \\ a & m \end{cases}$
 $L = \begin{cases} 2n & b \\ a & m \end{cases}$
 $L = \begin{cases} 2n & b \\ a & m \end{cases}$
 $L = \begin{cases} 2n & b \\ a & m \end{cases}$
 $L = \begin{cases} 2n & b \\ a & m \end{cases}$
 $L = \begin{cases} 2n & b \\ a & m \end{cases}$
 $L = \begin{cases} 2n & b \\ a & m \end{cases}$
 $L = \begin{cases} 2n & b \\ a & m \end{cases}$
 $L = \begin{cases} 2n & b \\ a & m \end{cases}$
 $L = \begin{cases} 2n & b \\ a & m \end{cases}$
 $L = \begin{cases} 2n & b \\ a & m \end{cases}$

aa.b& L2

RE: Set of strings of one or more os followed by a 1.

Contain at least 2 05

(0+1)*. 0. (0+1)*

(0+1)*. 0. (0+1)*

(0+1)*. 0. (0+1)*

RE: bit strings that begin and end with the same symbol. $\lambda + 0.(0+1)^x.0 + 1.(0+1)^x.1$

Shovld be have

$$L(0+1^*.01) = L(0) U L(1^*.01)$$

$$= \{0\} U (L(1^*).L(0).L(1))$$

$$= \{0\} U (\{0,10,110,1110,...\}.\{0\}.\{1\})$$

$$= \{0\} U (\{0,10,110,1110,...\}$$

$$= \{0\} U \{0,101,1101,11101,...\}$$

$$L(x+1) = L(x)UL(1)$$

$$= \{\lambda\}U\}U$$

$$= \{\lambda\}U\}U$$

$$\begin{bmatrix} \begin{pmatrix} \lambda & 1 \end{pmatrix} = \begin{bmatrix} \begin{pmatrix} 1 \\ \lambda & 1 \end{pmatrix} = \begin{bmatrix} \begin{pmatrix} 1 \\ \lambda & 1 \end{pmatrix} = \begin{bmatrix} \begin{pmatrix} 1 \\ \lambda & 1 \end{pmatrix} = \begin{bmatrix} \begin{pmatrix} 1 \\ \lambda & 1 \end{pmatrix} = \begin{bmatrix} 1 \\ \lambda & 1 \end{pmatrix} = \begin{bmatrix} 1 \\ \lambda & 1 \end{pmatrix}$$

$$L(\phi + 1) = L(\phi) UL(1)$$

$$= \phi U | 1 = 1$$

$$L(\phi, 1) = L(\phi).L(1)$$

$$= \phi. \quad \exists f = f$$

$$L\left(\phi + \lambda + 1 + 01\right) = ?$$

$$= \phi \cup \{\lambda\} \cup \{i\} \cup \{i\} \in \{\lambda, i\}, ol$$

* C

$$L(1).L(0) = \left\{ \frac{1}{2}, \frac{1}$$