CSC 220

10/22/2020 Grammar

$$L = \left\{ b, bhb, \dots \right\} = \left\{ b^{2n+1} \mid n \in \mathbb{N} \right\}$$

S____b | bbS

bbs bbs

S S b b S b b S

bbs bbs

S _ 5 bb S b S_, Sbb/b S -> 656/6

$$L = \{0, 1, 11\}$$
 $S \rightarrow 0 \mid 1 \mid 11$

none



0(5 - 7

L: Zero or 1 S->0/1

bitstrings even length of 0.

\[\lambda_{9009} 0000 ; ---. \]
\[2 4 \]

 $S \rightarrow 100S$

5,000 DO 00 S -0000 L={ >,00,00,=00, --S=x/oS [= \ 0, 00, 000, 0000, --.

$$S \rightarrow \lambda \mid oS$$

$$S \rightarrow \lambda \mid oS$$

$$S \rightarrow \delta \quad \Rightarrow oS \rightarrow \delta \quad \Rightarrow oS \rightarrow oS$$

$$\begin{bmatrix} \chi, 0, 00, 000, -1 \\ 1 & 1 & 1 \end{bmatrix}$$

 $L = \begin{cases} 0,00,000,-1 \\ -1,0,00,000,-1 \end{cases}$ all includy λ $L = \begin{cases} 0 \\ 1,0,000,000,-1 \\ -1,00 \end{cases}$ even # of 0's $L = \begin{cases} 0 \\ 1,00,000,000,-1 \\ -1,00 \end{cases}$ all includy λ $L = \begin{cases} 0 \\ 1,00,000,000,-1 \\ -1,00 \end{cases}$ even # of 0's $L = \begin{cases} 0 \\ 1,00,000,000,-1 \\ -1,00,000,000,-1 \\ -1,00,000,000,-1 \end{cases}$ all includy λ $L = \begin{cases} 0 \\ 1,000,000,000,-1 \\ -1,000,000,-1 \\ -1,000,000,-1 \\$