Kall Humber

O. Write CFG for the given language Also write first 10 string for the given language in canonical order? 1 = (0' (11' 1")" 11' ; 1==0 ; 1=k ; n=21)

(T) SaaBSBalA Baxx X -> bxc A ->cYIA

DIS- BSA/A B - 1 aBd A - Nec BACC Marria

Roll Number:

Q: Write CFG for the given language. Also write first 10 string for the given language in canonical order?

L = Number of 'a' occurs twice as number of 'b'

3. -S, and ps, ab aa S, b aabs, S, aba as, ba)
abs, a laba S, | S, baa bs, aa | bas, a | baas,

Con S. I.

S1->S0/E

=> S_=> aabSo S_=> abaSo S_=> baaSo S_=> S_S_|S_|S_2|S_3|A Name

Roll Number:

Q: Write CFG for the given language. Also write first 10 string for the given language in canonical order? L = number of a's occurrence is not equal to the number of b's occurrence

 $S \rightarrow A \mid B$ $A \rightarrow C \times C \mid AH$ $B \rightarrow C \times C \mid BB$ $X \rightarrow a \times \mid a$ $Y \rightarrow b \times \mid b$ $C \rightarrow a \cdot C \cdot b \mid b \cdot Ca \mid CC \mid E$

Q. Write CFG for the given language Also w.

Chan

Theory of Automata

Date: 25-10-2022

Name

Q: Write CFG for the given language Also write first 10 string for the given language in canonical order? L = (0' b' d' ; i>=0 ; i>=2i+k)



S-ABC A A -> aS/1 B-> bSC/1 C -> ds/1

$$\begin{array}{c} (2) \ L = L_1 L_2 L_3 \\ L_1 = a L_1 bbcc \Lambda \\ L_2 = b L_2 c \Lambda \\ L_3 = b c L_3 d \Lambda \end{array}$$