Theory of Automata

Quiz

Date: 25-10-2022

Name:

Roll Number:

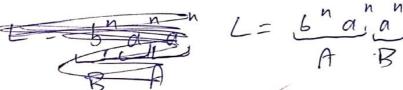
Q: Write CFG for the given language. Also write first 10 string for the given language in canonical order?

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

 $L = \frac{\xi}{\xi} \Lambda$, aab, aba, baa, baaab, aaabab, aaaab, baaabab, baaabab, baaaab, baaaab, baaaba, baaaba, baaaab, baaaab, baaaab, babaaa, bb, aaaa $\frac{\xi}{\xi}$

when b = 1, a = 2 b = 2, a = 4, so So, $L = \{b^n a^{2n}\}$





S -> B A B A -> 58 a | baa | A B -> a S | A basaban basaban

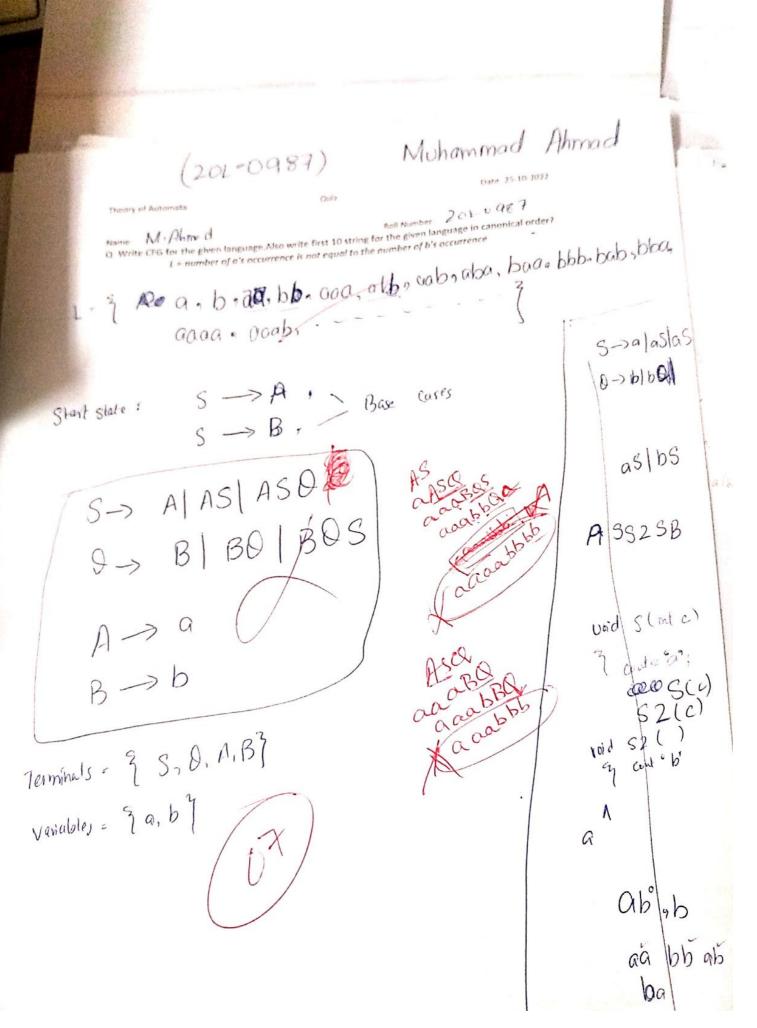
Date: 25-10-2022

Name: M-Ahmed Lhan Roll Number: 1912-2907

Q: Write CFG for the given language. Also write first 10 string for the given language in canonical order? $t = \{a^i (b^i c^k)^n d^i; i >= 0; j < k; n = 2i\}$

B

L= {1, acdd, abbccccd, accepted abbbb cccccohiz



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