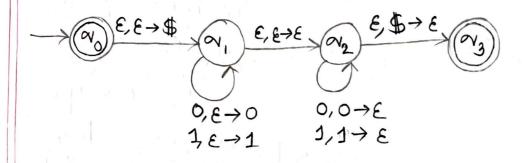
CSE331 AGSIGNMENT 3

Submitted by: Masiat Hasin Rodoshi

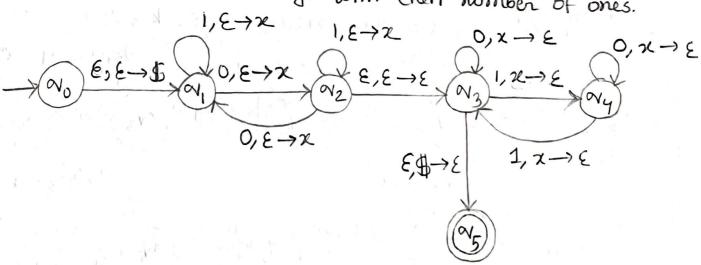
ID: 19201089

Section: 1



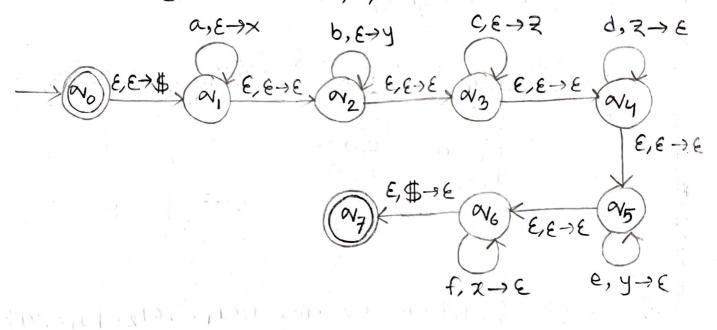
2) L = {W \ \{0,1}\pm\}: W = UV where U \ \(\mathbb{L}_1, V \ \mathbb{L}_2, |U| = |V|\}

Here, \(\mathbb{L}_1 = \text{Set of Strings with odd number of zeros}\)
\(\mathbb{L}_2 = \text{Set of Strings with even number of ones.}\)



Here, the first half of the string has odd number of zeros and the second half of the string has even number of ones. When Iul=IVI is even, number of zeros and ones are both odd. When Iul=IVI is odd, number of zeros and ones ones are both even.

1) of puck 9 k = outs: where n'w'x >0.

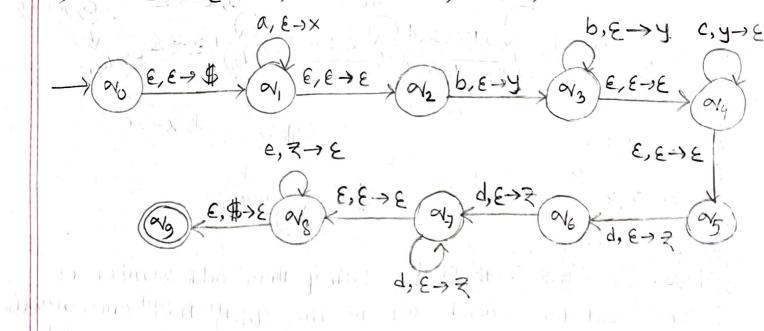


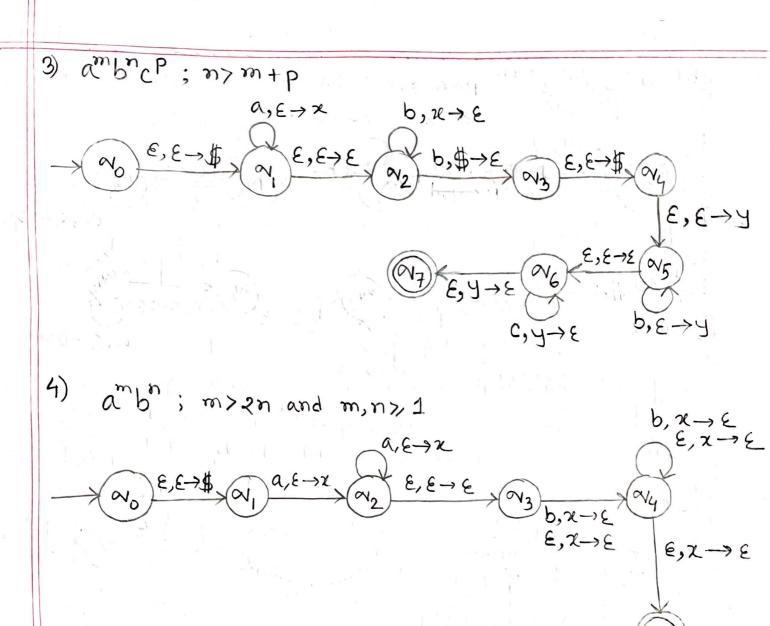
2) anbmcmdkekfn; where n>0, m>1, k>2

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5) $a^{n}ba^{m}ba^{n+m}$; m,n>1 $a,\varepsilon\rightarrow x$ $a,\varepsilon\rightarrow x$ $a,\varepsilon\rightarrow x$ $a,\varepsilon\rightarrow x$ $c,\varepsilon\rightarrow x$