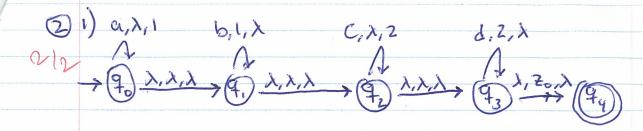
Acron Mill Page Z ID: 101193 11



Justification.

This FAB accepts L= {abicd | i, i > 0} because it keeps the number of as and by in check by adding and removing Is respectively, and keeps the number of Cs and ds in check by adding and removing Zs respectively. If both sets are in check then the bowl will be empty and the machine will go to the timal State-

S(90,7,1)=(90,1) (Sorry, I was going to write the sequence)

on next fage.

b,1,2 c,2,3 d,3, \  $\begin{array}{c} & & & & & & & \\ & & & & & \\ & & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ &$ 

Justification;

This FAB accepts L= [abcdlizo] because it: -adds i number of Is for each a in the input - exchanges all the 1s for 2s for each b in the input -exchanges all the Z for 35 for each c in the input - Kemoves a 3 for each d in the input

If the Stack is empty there is an equal number of a,b, c,d and the final State is reached. If there are any symbols leftorer in the bowl then there is an unequal number of a,b,C,d,