

Lab - 09

ACT : Advanced Compiler Techniques

AIM : Create and test finite automata

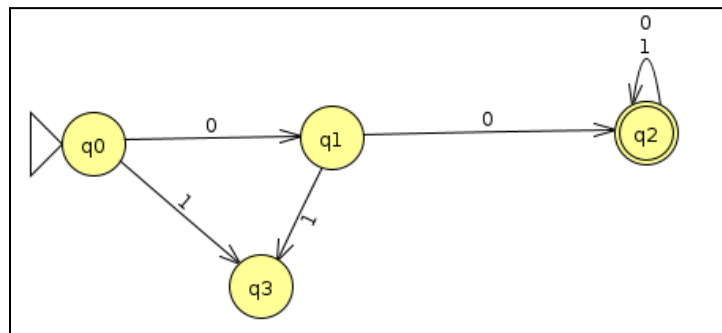
Name : Ambalia Harshit

Roll no : MT001

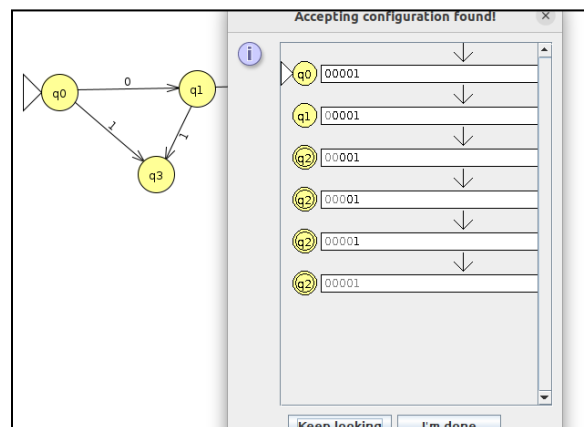
Date : Oct 2023

Question 01 : Create and Test Finite Automata for the following languages.

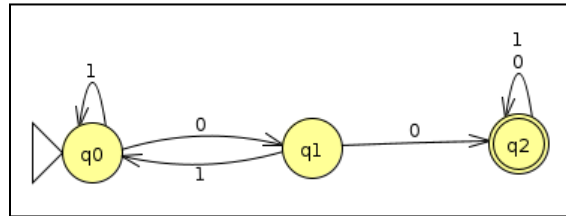
1. Set of strings that begins with 00 :



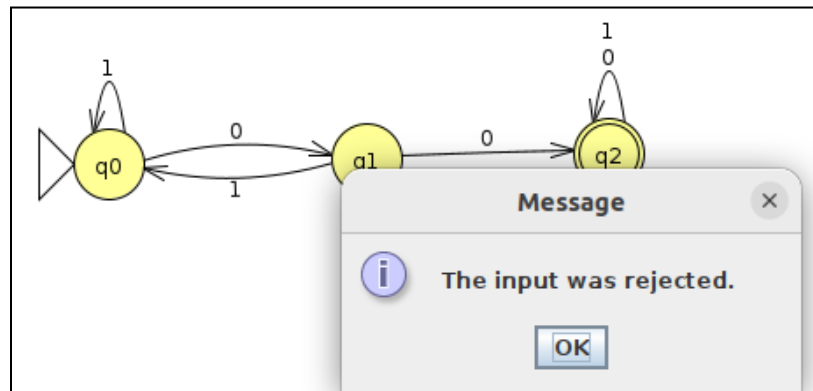
For string : 00001



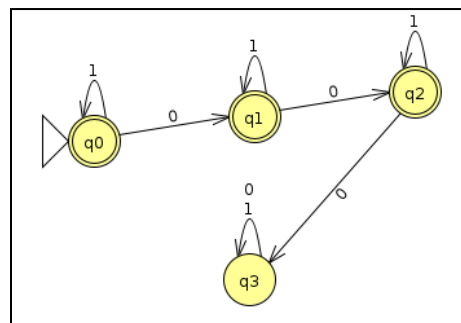
- Set of strings that contains substring 00



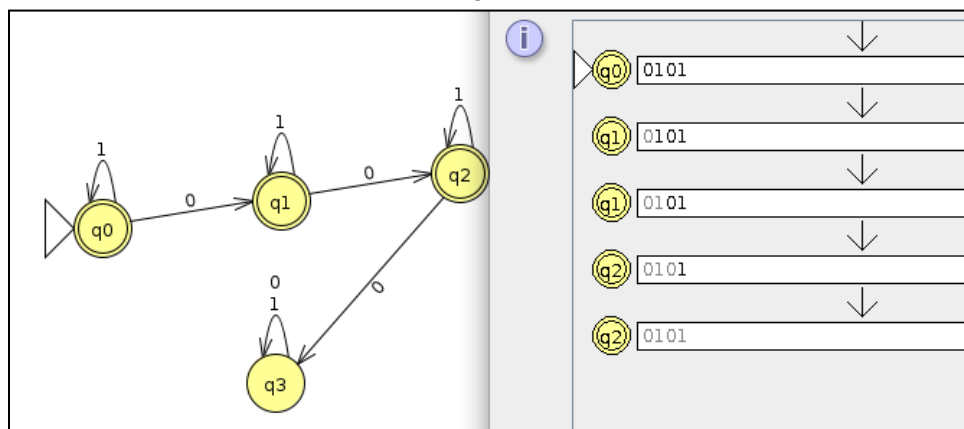
For string : 010101010



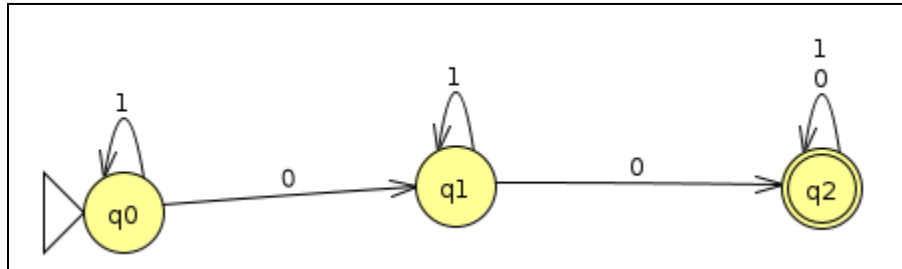
- set of strings that contains at most 2 0s.



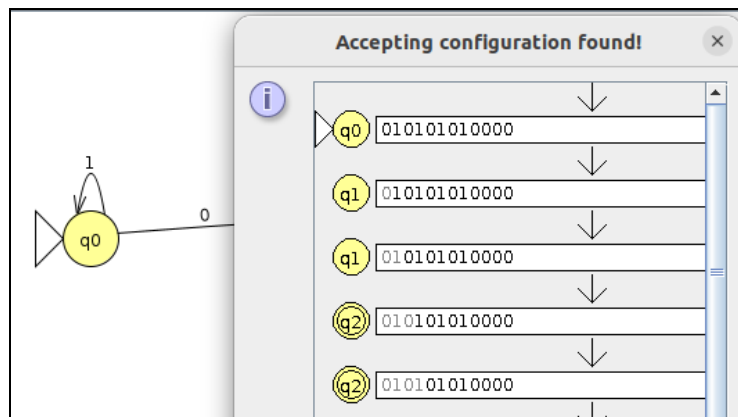
For string : 0101110



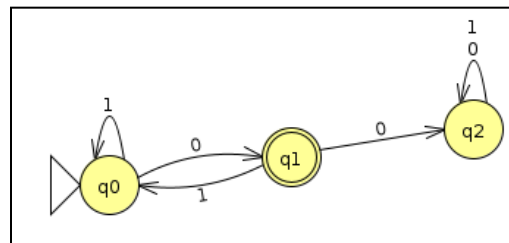
4. set of strings that contains at least 2 0s.



For string : 010101010000



5. set of strings that does not contain substring 00.



For string : 10001100

