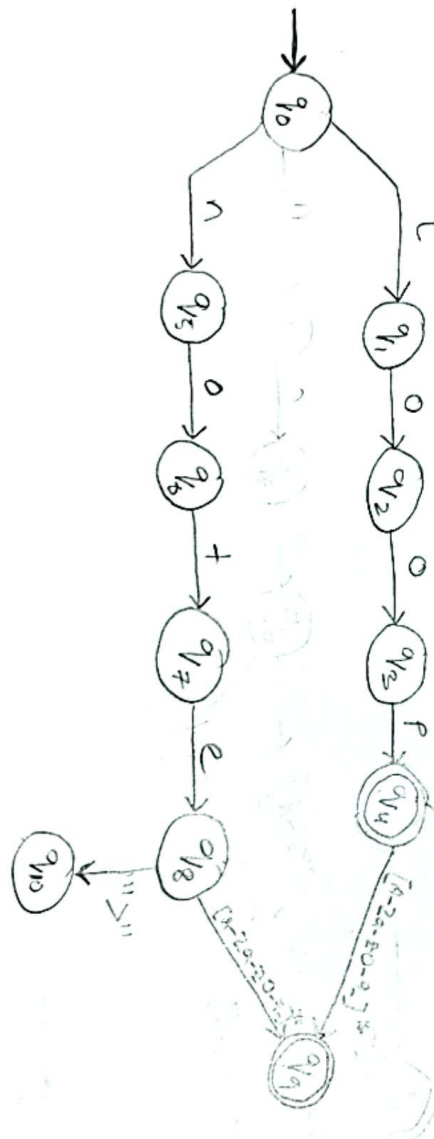


1) DFA for notes & loop keyword.



note> states  $q_1$  through  $q_4$  handles 'loop'. if the input stops here it is considered as keyword. if it continues to  $q_9$  it will be considered identifier.

note> State  $q_8$  checks the next character. if it is '>' then we enter Comment Mode. if its any other character it will considered as identifier.