COMPILER CONSTRUCTION

LAB 2



GROUP MEMBERS

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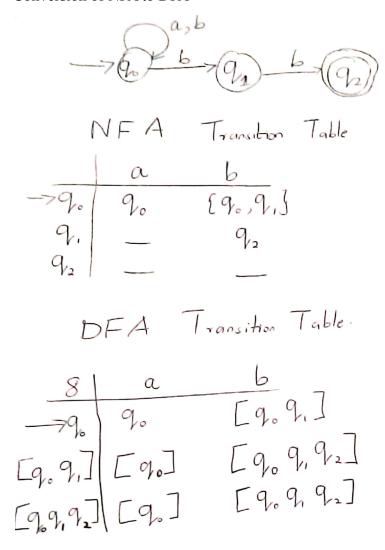
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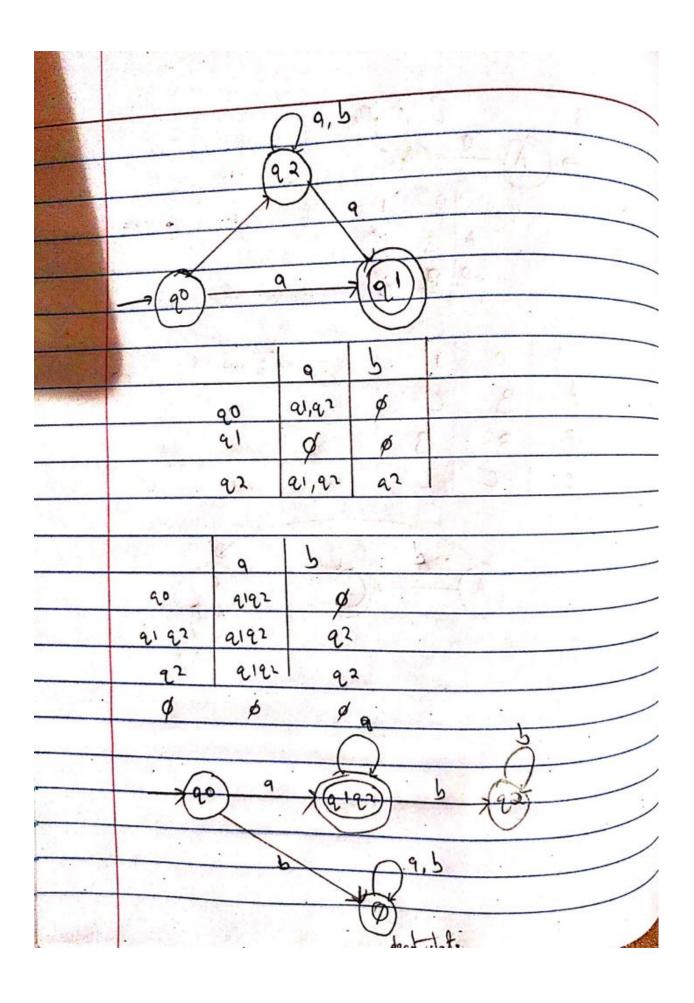
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Question One

Conversion of NFA to DFA





Question Two

You invoke flex on a .1 file and it creates lex.yy.c, a source file containing a pile of unrecognizable C code that implements an FA encoding all your rules and including the code for the actions you specified. The file provides an external function yylex() that will scan one token. You compile that C file normally, link with the lex library, and you have built a scanner! The scanner reads from stdin and writes to stdout by default whenever the scanner reads an input sequence that matches a pattern, it executes the action to process it. As the scanner reads characters from the file, it will gather them until it forms the longest possible match for any of the available patterns. If two or more patterns match an equally long sequence, the pattern listed first in the file is used.