COMP 4200: Assignment 4

Due on February 26, 2024

Professor Kwon 001

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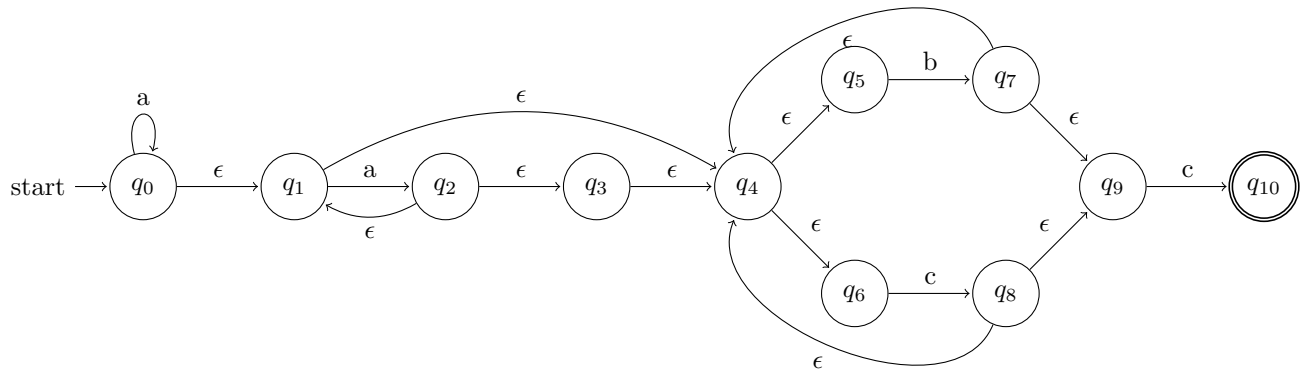
Problem 1

Convert the following regular expressions into equivalent NFAs.
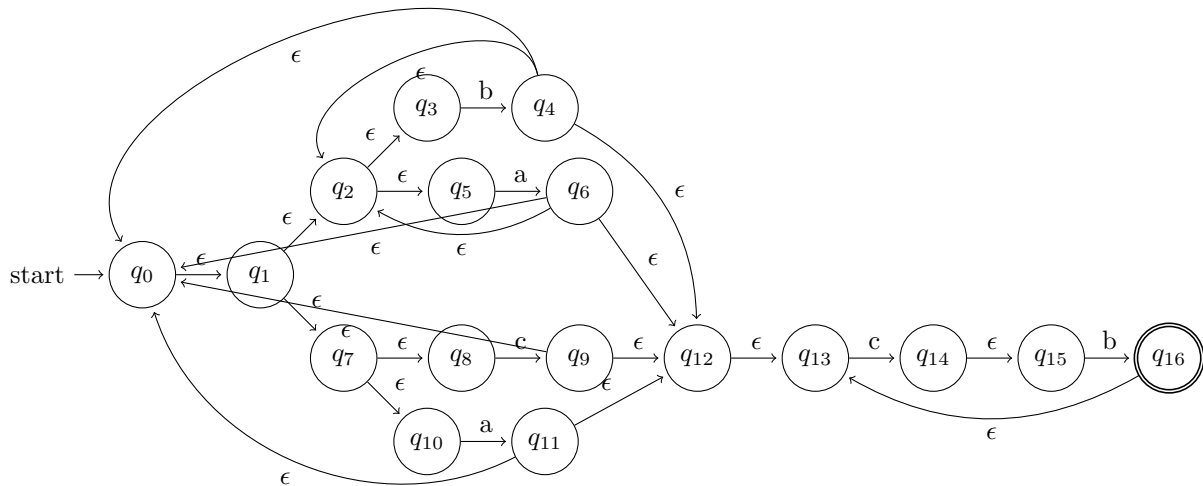
1. $a^*(b \cup c)^*c$

2. $((b \cup a)^* \cup (c \cup a))^*(cb)^*$

Solution

Part One

Part Two

Problem 2

Convert the 2 NFA's to equivalent regular expressions.
Solution

Part One

1. Convert the NFA to a GNFA

2. Target the concatenations, fixing 4,5 and 8,9

Part Two

1. hi