CS4104005

Assignment 3

1. Consider a regular expression $\mathbf{b} (\mathbf{a} | \mathbf{b})^* \mathbf{a}$.

(a) Construct a nondeterministic finite automaton for the regular expression using

the Thompson's construction algorithm.

(b) Convert the nondeterministic finite automaton into a deterministic finite

automaton using the subset construction algorithm.

Deadline: March 28, 2022

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