Worksheet 11: Encodings of Other Objects

Computer Science 311 Spring 2016

Exercise 1 Let Loop_{NFA} = $\{\langle N \rangle \mid N \text{ is an NFA that contains a loop} \}$. Show that Loop_{NFA} is decidable.

Exercise 2 Let Finite_{DFA} = $\{\langle D \rangle \mid D \text{ is a DFA and } L(D) \text{ is finite}\}$. Show that Finite_{DFA} is decidable.