Decidable Languages

CS 311, Fall 2015

Exercise 1 Show that the language $INFINITE_{DFA}$ is decidable where:

$$INFINITE_{DFA} = \{\langle A \rangle \mid A \text{ is a DFA and } L(A) \text{ is an infinite language}\}$$

Exercise 2 Show that the language ALL_{DFA} is decidable where:

$$ALL_{DFA} = \{\langle A \rangle \mid A \text{ is a DFA and } L(A) = \Sigma^*\}$$