CSCI-2400 Models of Computation

Homework 7

Submission

Submit your individual solution on Wednesday, December 5, 5:00 pm.

Problems

1. Prove that the problem of determining whether for a Turing machine M there is some input for which M halts is undecidable.

2. Prove that the problem of determining whether for a Turing machine M the language L(M) is regular is undecidable.

Good luck!