

Homework #5

Due: Wed, May 5th

Q1. Solve the following problems from the text book in Chapter 3 (page 160-161):

a. Problem 3.9

b. Problem 3.12

Q2. Construct a Turing machine that accepts the following language:

$$L = \{0^n \# 0^m \mid m = \sum_{i=1}^n i\}$$