Homework #5
Due: Wed, May 5th

Q1. Solve the following problems from the textbook in Chapter 3 (page 160-161):
   a. Problem 3.9
   b. Problem 3.12

Q2. Construct a Turing machine that accepts the following language:
   \[ L = \{0^n \# 0^m | m = \sum_{i=1}^{n-1} i \} \]