15.072 Homework Assignment 5

Given: April 19, 2006	Due: April 26, 2006
Problem 1 Consider a Markov process with a countar Given the transition rates q_{ij} of the process derive the stays in state i and the probability p_{ij} that the next state Conversely, suppose you are given μ_i, p_{ij} . Obtain the	expected time $1/\mu_i$ that the system i is state i .
Problem 2 Exercise 5.3 from Chapter 5.	
Problem 3 Exercise 5.5 from Chapter 5.	
Problem 4 Exercise 5.7 from Chapter 5.	