Question 1

1 point possible (graded)

The steady state distribution of a continuous time Markov chain is a solution of the equation:

- $\pi P = \pi$
- $\pi P = 0$
- $\pi Q = \pi$
- $\pi Q = 0$

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You have used 0 of 2 attempts

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Question 2

0.0/2.0 points (graded)

Consider a machine which can break down and be repaired. The state of the machine is either ON (which means that it works properly) or OFF (under reparation). The time before failure is exponential and the failure rate is 10 (failures/time unit). The time to repair is also exponential and the mean time to repair is 1/100 (time unit). What is in steady state the probability that the machine is ON?

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