## Availability Calculation

## ECE 60872/CS 590 -Fault-Tolerant Computer System Design School of Electrical and Computer Engineering Purdue University <br> Fall 2017

I have a system that is supposed to operate for 1 day. This system has a probabilistic failure that can occur after 1 minute, with probability 0.2 . If it does happen, then the failure lasts according to the uniform distribution U (1 minute, 9 minutes). A second failure can occur after 23 hours of operation, with probability 0.1. If it does happen, then the failure lasts a constant amount of time $=10$ minutes. What is the availability of this system?

