Availability problems

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- 1. Calculate the reliability, R, of a system at time t=20 days assuming that it experiences 0.1 failures per day.
- 2. A system has 5 failures over the course of a year. Calculate the MTBF in days.
- 3. A system has an MTBF of 150 days. How many faults may be expected over the course of two years.
- 4. Calculate the inherent availability, A_i , of a system with a mean time between failure of 120 days and a mean time to repair of 12 hours.