Project 7: Code Errors and Butterfly Effect

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CST-305: Principles of Modeling and Simulation

**Required Software and Libraries**

**Program Execution**

**Mathematical Methods in Code**

**Program Output**

**Programming Style**

**Mathematical Methods**

**Mathematical Analysis**

**Execution Screenshots**

**README**

* 1. Mean arrival Rate (l): 125 pps
  2. Mean response time (m): 2 ms
     1. Service rate:
  3. Utilization?
  4. Probability of n packets in gateway?
  5. Mean number of packets?
  6. The number of buffers so P(overflow) < 10-6
     1. P(more than 12 packets in gateway)
  7. To keep below one packet per million