

Solution to COMP9334 Revision Question Week2A – Part 1

Question 10

We know that the system response time + think time = number of terminals / system throughput. The system throughput can be derived from the service demand law. The service demand is $4 * 30\text{ms} = 120\text{ms}$. The system throughput equals to utilisation of the device / service demand = $0.6 / 0.12 = 5$ user interaction per second. Therefore the system response time is 5s.

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