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EECS 148 Homework 1

**Problem 1**

(a) 3 Mbps / 150 kbps = 20 users

(b) (i) 10%

(ii)

(iii)

**Problem 2**

1. E2E delay =

Throughput =

2. E2E delay =

Throughput =

3. E2E delay =

Throughput =

4. Fastest to slowest throughput: circuit switching, packet switching, message switching

5. Highest to lowest delay: message switching, packet switching, circuit switching

6. P should not be too small because there would be a large number of packets causing a longer delay, but P should not be too big because there would be less packets and the delay would also become longer. P should be chosen somewhere between these two cases.