

Statistical multiplexing

- ▶ Say host A sends data to host B in a bursty manner. On average A generates 100Kbps in 10% of the time, and idles for 90% of the time
- ▶ Circuit switching, given a link with 1Mbps, how many hosts can be supported simultaneously?
 - ▶ 10 with no delay (no queueing)
- ▶ Packet switching, how many?
 - ▶ About 30 with very low probability of queueing delay