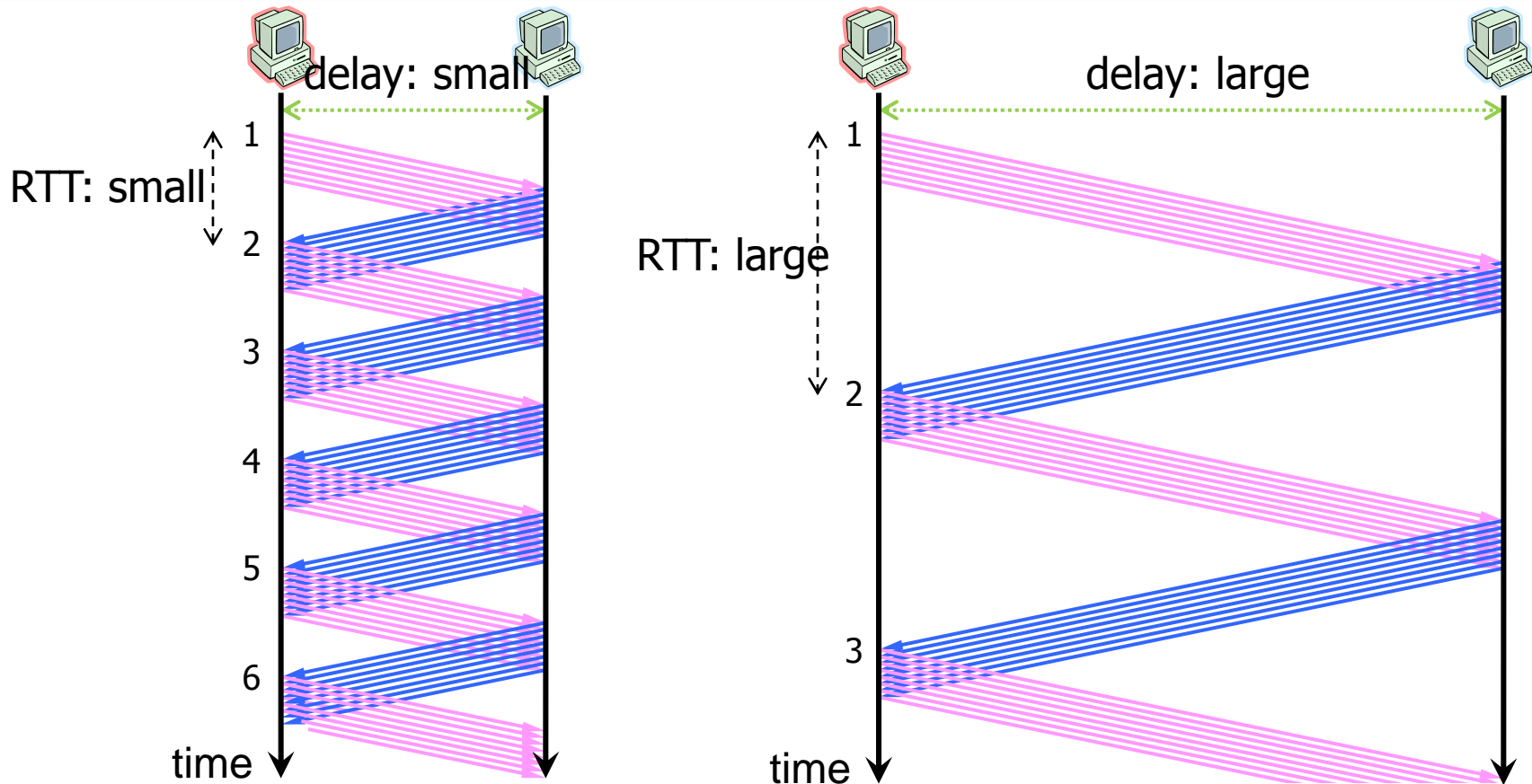# TCP and Delay

Practice 1

Information and Communications Technology
Internet Engineering

Impact of delay to TCP

delay: small

delay: large

RTT: small

RTT: large

1
2
3
4
5
6

time

1
2
3

time

Theoretical maximum throughput [Mbps]

$= \dfrac{\text{Maximum window size [bytes]}}{\text{RTT [s]}}$

RTT (delay) is large → throughput is descent

1

Experiment 2-4