

ICT Infrastructuren (I00038), herfstsemester 2005/2006

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Onderwerp 7: Netwerken II

Zelfstudie: handout (uit *Computer Networks* van Andrew Tanenbaum; derde editie, 479-510, 521-545, 622-630)

Responsiecollege (16 december)

(De volgende opgaven komen uit *Computer Networks*.)

1. Datagram fragmentation and reassembly are handled by IP and are invisible to TCP. Does this mean that TCP does not have to worry about data arriving in the wrong order?
2. Consider the effect of using *slow start* on a line with a 10 msec round-trip time and no congestion. The receive window is 24 KB and the maximum segment size is 2 KB. How long does it take before the first full window can be sent?
3. Why does UDP exist? Would it not have been enough to just let application processes send raw IP packets?
4. According to the information given in Figure 7-27, is *little-sister.cs.vu.nl* on a class A, B or C network?