CMSC 440 - Homework Assignment #1

Due Date: Tuesday Sep. 20th, 2022 - 11:59pm

Questions:

You are required to answer the following questions from the attached document "HomeAssign_1_Questions.pdf":

Question		Question
P.2		P.20
P.3		P.23
P.4		P.25
P.6		P.31
P.8		P.33
P.10		

Notes

- The equation the question P.2 refers to is the following:
    - $d_{\text{end-to-end}} = N*(L/R)$ Eqn. (1.1)

- In question 8.c & 8.d, it is enough to show the formula/equation without calculating the final value.

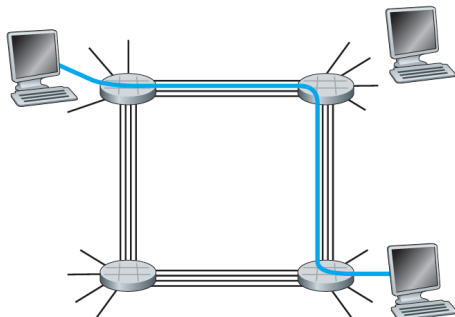- The set of figures to which some of the above questions refer is shown below:

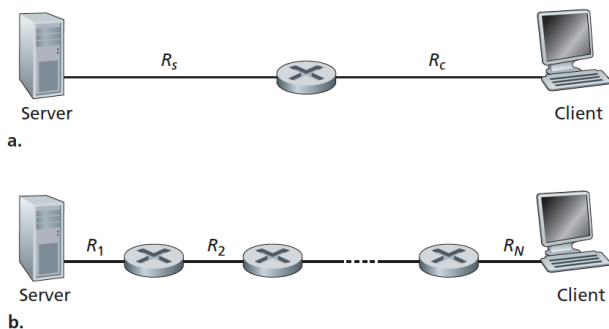**Figure 1.13** ♦ A simple circuit-switched network consisting of four switches and four links

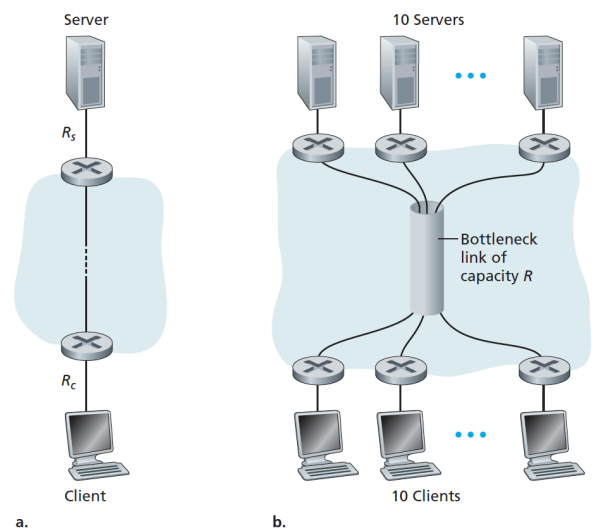**Figure 1.19** ♦ Throughput for a file transfer from server to client

Figure 1.20 ♦ End-to-end throughput: (a) Client downloads a file from server; (b) 10 clients downloading with 10 servers

Submission Materials:

- Submit your answers through Canva as a single PDF file

Submitting Assignments using Canva

- Instructions from the official Canvas help pages

- https://community.canvaslms.com/t5/Student-Guide/How-do-I-submit-an-online-assignment/ta-p/503

- Step-by-step instructions:

1. Log in to the course Canvas page
2. Click the **Assignments** link on the left sidebar
3. Click the name of the intended assignment under the "**Hands-On Assignment**" group
4. To submit an assignment, click the **Start Assignment** button.
5. To upload a file from your computer as your assignment, select the **File Upload** tab.
6. You may upload as many files as needed.
7. When you've finished adding all files needed for the assignment, click **Submit Assignment**.
8. After you have submitted your work, you will see information on the Sidebar about your submission with a link to your submission to download if necessary.

Important: *If you submit your assignment and later realize you have made a mistake, you can resubmit another version of your assignment using the **New Attempt** button. The time of your last attempt will be counted as your submission date. You will only be able to view the details of your most recent submission on the Sidebar.*