

## CMSC 440 - Homework Assignment #4

**Due Date: Wednesday Nov 30<sup>th</sup>, 2022 - 11:59pm**

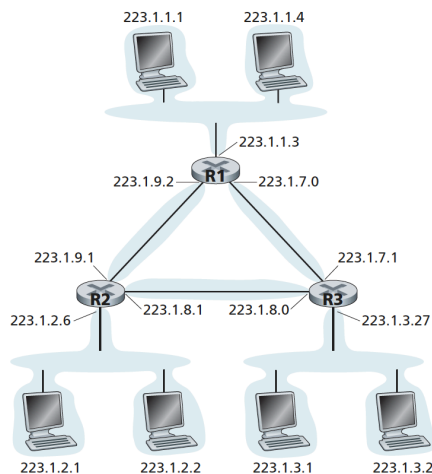
### Questions:

You are required to answer the following questions from the attached document:

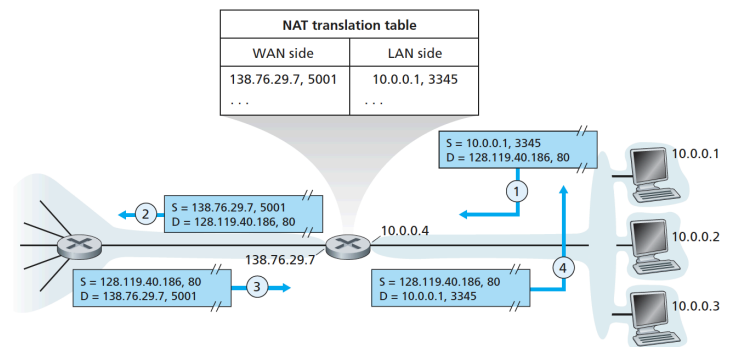
Question	Question
P.4 (only parts a & b)	P.17
P.10	P.19
P.12	P.21
P.13	P.26

### Notes

- The following figures are referred to by the questions:



**Figure 4.17** ♦ Three routers interconnecting six subnets



**Figure 4.22** ♦ Network address translation

step	$N'$	$D(v), p(v)$	$D(w), p(w)$	$D(x), p(x)$	$D(y), p(y)$	$D(z), p(z)$
0	u	2,u	5,u	1,u	$\infty$	$\infty$
1	ux	2,u	4,x		2,x	$\infty$
2	uxy	2,u	3,y			4,y
3	uxyv		3,y			4,y
4	uxyvw					4,y
5	uxyvwz					

**Table 4.3** ♦ Running the link-state algorithm on the network in Figure 4.27

### **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.*