CS4392/5376: Computer Networks/Communication Networks

Summer II 2021

Quiz #3

Full name only: \_\_\_\_\_\_\_\_\_Chen Zhang\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Release date: July 29th, 2021 (Thursday)

Due date: August 2nd, 2021 (Monday) before midnight, 11:59 PM

It should be done INDIVIDUALLY; Show ALL your work; Write your answer in a Word file and

submit it through the Blackboard

Total 5 points

1.

| step | N’ | D(t),p(t) | D(u),p(u) | D(v),p(v) | D(w),p(w) | D(y),p(y) | D(z),p(z) |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 0 | x | infinity | infinity | 3,x | 6,x | 6,x | 8,x |
| 1 | xv | 7,v | 6,v | 3,x | 6,x | 6,x | 8,x |
| 2 | xvu | 7,v | 6,v | 3,x | 6,x | 6,x | 8,x |
| 3 | xvuw | 7,v | 6,v | 3,x | 6,x | 6,x | 8,x |
| 4 | xvuwy | 7,v | 6,v | 3,x | 6,x | 6,x | 8,x |
| 5 | xvuwyt | 7,v | 6,v | 3,x | 6,x | 6,x | 8,x |
| 6 | xvuwytz | 7,v | 6,v | 3,x | 6,x | 6,x | 8,x |

2.

|  | u | v | x | y | z |
| --- | --- | --- | --- | --- | --- |
| v | 1 | 0 | 3 | 3 | 5 |
| x | 4 | 3 | 0 | 3 | 2 |
| z | 6 | 5 | 2 | 5 | 0 |