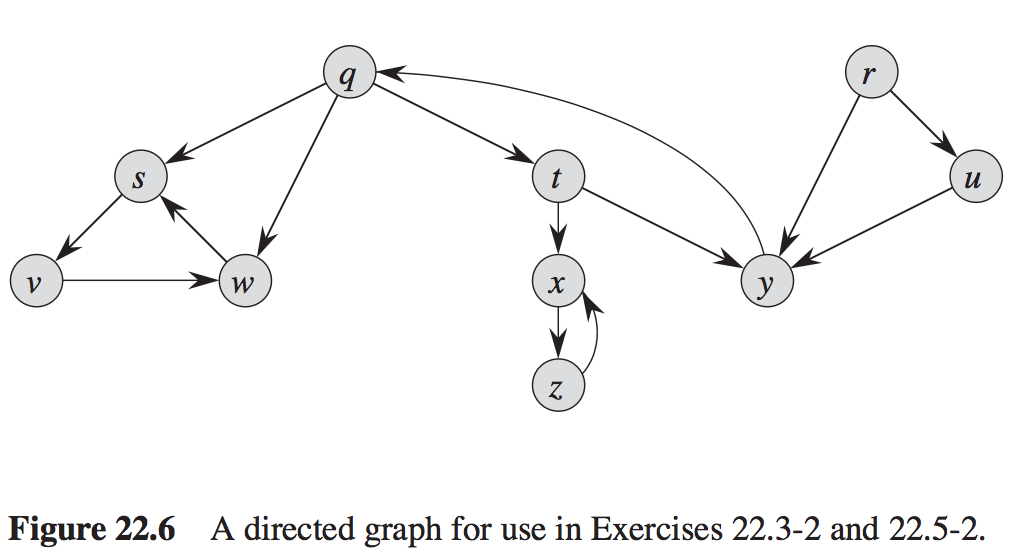
Tian Qiu

00265 35063

CS 381

Assignment 5

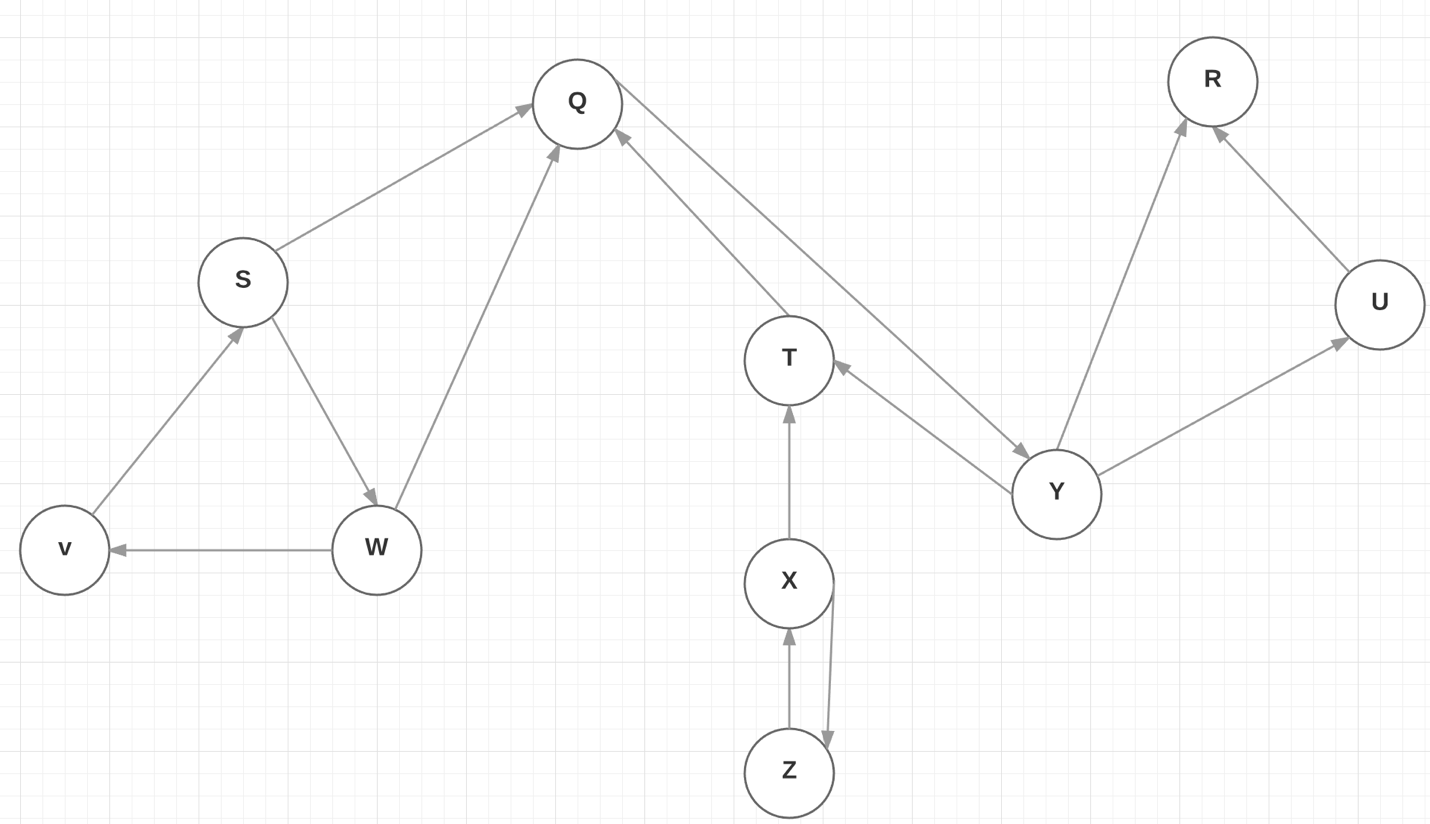


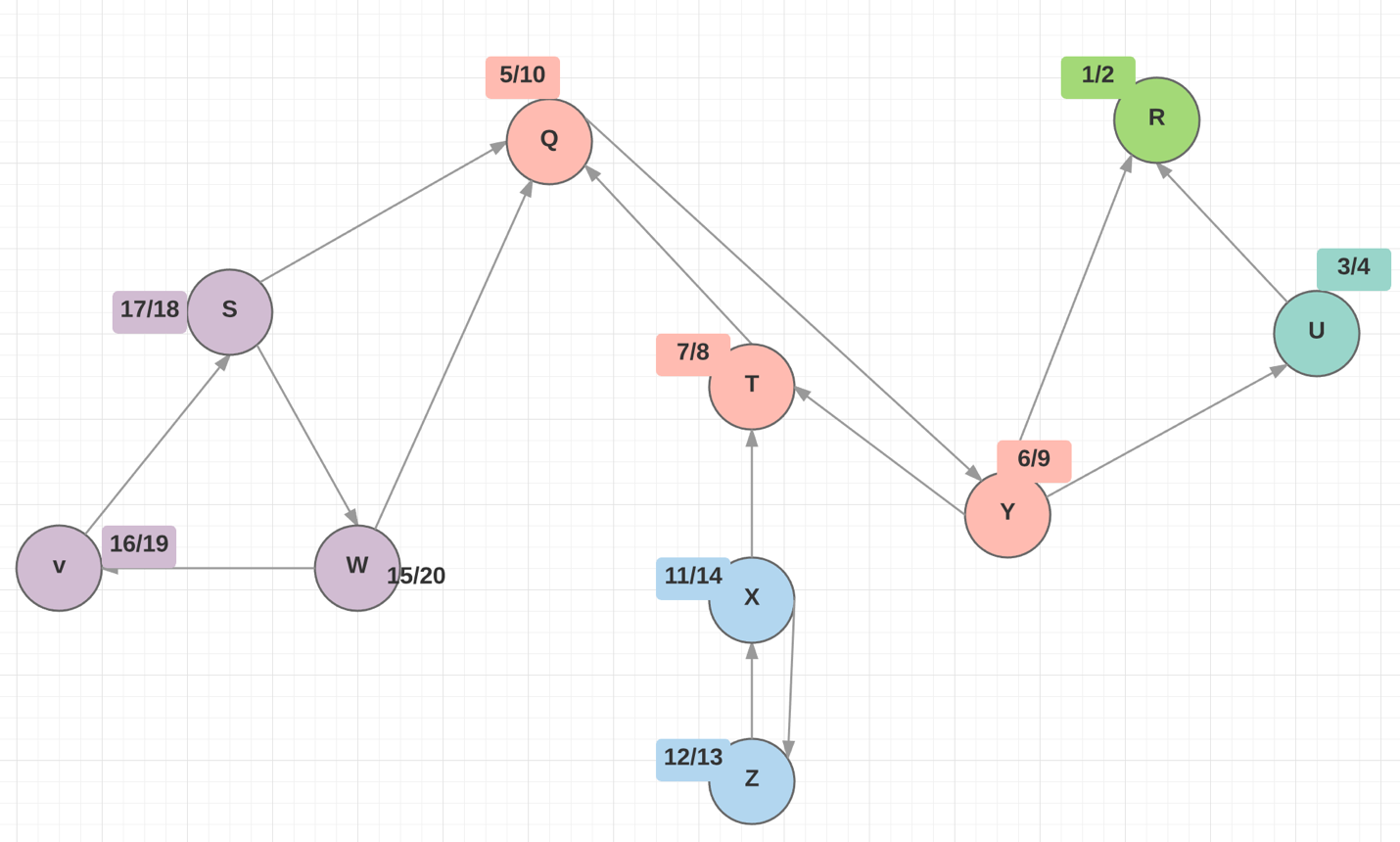


Finished time:

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Q | R | S | T | U | V | W | X | Y | Z |
| 16 | 20 | 6 | 15 | 18 | 5 | 7 | 12 | 14 | 11 |

Forest produced in line 3:







Floyd-Warshall-Plus(G, W)

n = G.rows

For I = 1 to n

For j = 1 to n

if

for k = 1 to n

for I = 1 to n

for j = 1 to n

if

else if

return

Time: because if and else if statement in nested for loop take constant time,

The three nested for loop dominate the time, which is O

Space: we initial three matrices, for each matrix is n by n.

So the space should be O