

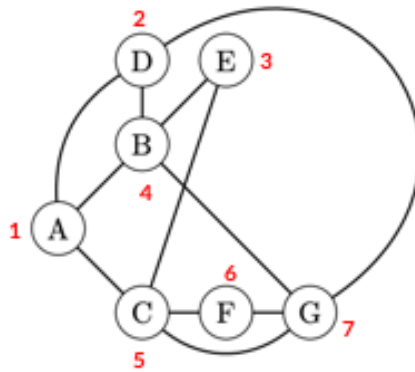
Worksheet 19 Solution

Hyungmo Gu

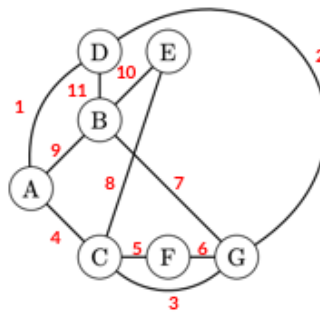
April 6, 2020

Question 1

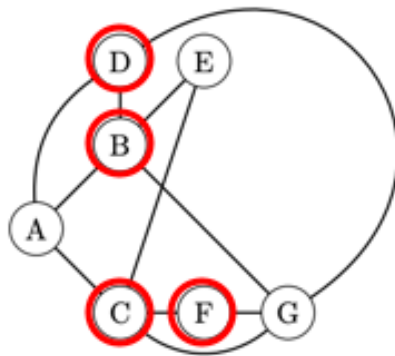
- a. By the figure below, we can conclude there are 7 vertices.



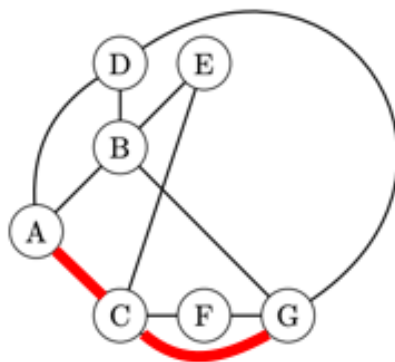
- b. By the figure below, we can conclude there are 11 edges.



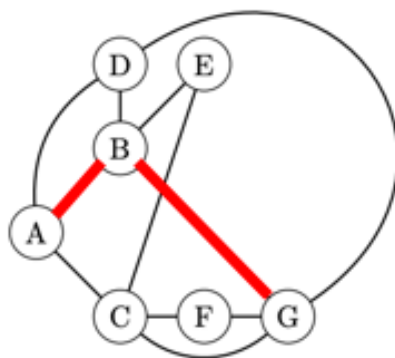
c. By the figure below, we can conclude there are 4 vertices adjacent to G.



d. By the figure below, we can conclude the distance between A and G is 2.



There are 2 shortest paths between A and G. One is the path from A to C to G as shown above, and the other is the path from A to B to G



Question 2

Question 3