

Question 1 Part A Graph G1:

Euler circuit: a-e-c-d-e-b-a

Question 1 Part A Graph G2:

Not a euler circuit because the following vertices have a odd number of edges: ['a', 'b', 'd', 'c']

Question 1 Part A Graph G3:

Not a euler circuit because the following vertices have a odd number of edges: ['a', 'b']

Question 1 Part A Graph: Bridge:

Not a euler circuit because the following vertices have a odd number of edges: ['a', 'c', 'b', 'd']

Question 1 Part B:

Euler circuit: a-b-c-f-i-h-g-d-b-e-f-h-e-d-a

Question 2 Part A Graph G1:

This may or may not be a hamilton circuit.

Question 2 Part A Graph G2:

This may or may not be a hamilton circuit.

Question 2 Part A Graph G3:

This may or may not be a hamilton circuit.

Question 2 Part B

This may or may not be a hamilton circuit.

Question 3 Part A Graph G1:

This graph is a hamilton circuit.

Question 3 Part A Graph G2:

This may or may not be a hamilton circuit.

Question 3 Part A Graph G3:

This may or may not be a hamilton circuit.

Question 3 Part B

This may or may not be a hamilton circuit.