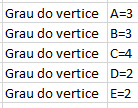
Nome: Moises da Silva RA:3015106481

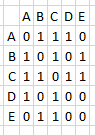
1)A) V={A,B,C,D,E}

A={(A,B),(B,A),(A,C),(C,A),(A,D),(D,A),(B,C),(C,B),(C,D),(D,C),(E,B),(B,E),(E,C),(C,E)}

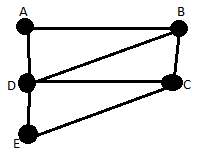
B)



C)



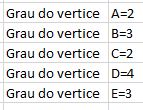
2)A)



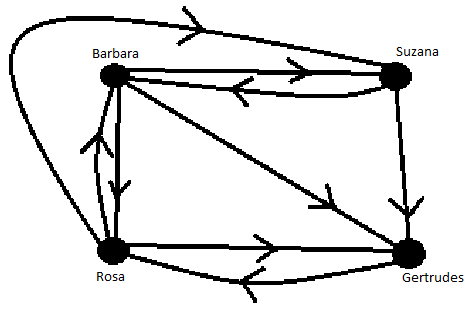
B)V={A,B,C,D,E}

A={(A,B),(B,A),(A,D),(D,A),(B,D),(D,B),(D,C),(C,D),(D,E),(E,D),(C,E),(E,C),(B,E),(E,B)}

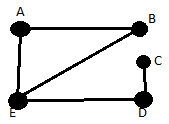
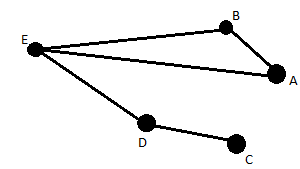
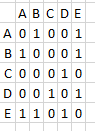
C)



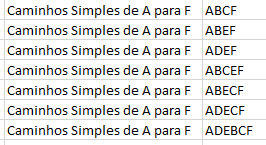
3)



4)

5)A) B) Menor distancia é 3, e a maior distancia é 5



6) A) Grafo 1, Grafo 3.

B) Grafo 1, Grafo 4.

C) Grafo 4.

D) O grafo 2(Desconexo): subgrafo composto pela parte que contém vértice A,D e E; e subgrafo composto pela parte que contém vértice C e B.

O grafo 4(Desconexo): subgrafo composto pela parte que contém vértice A,B e E; e subgrafo composto pela parte que contém vértice C e D.

7) A) Grafos que possuem caminho Euler: B

B) Grafos que são Eulerianos:

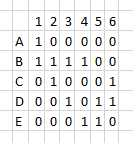
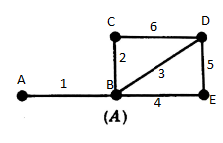
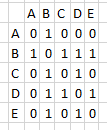
C) Não possuem um caminho que visite uma aresta apenas uma vez.

D) Não há isomorfimos entre esses grafos

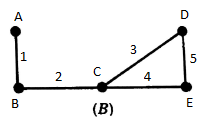
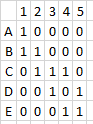
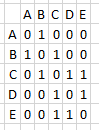
E) O grafo C é bipartido

8) Isomorfimos entre grafos B e C

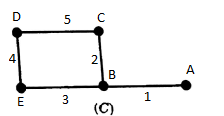
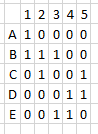
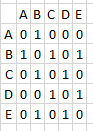
9) Grafo Matriz Incidência Matriz Adjacência

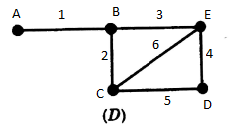
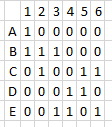
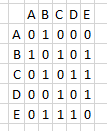
Grafo Matriz Incidência Matriz Adjacência

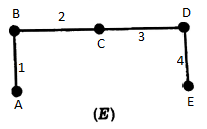
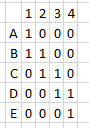
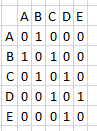
Grafo Matriz Incidência Matriz Adjacência

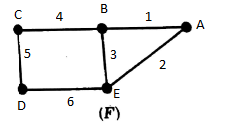
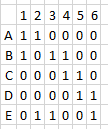
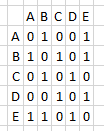
Grafo Matriz Incidência Matriz Adjacência

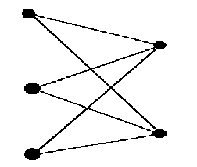
Grafo Matriz Incidência Matriz Adjacência

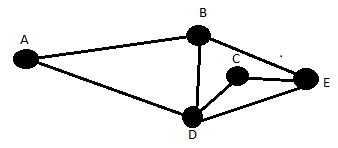
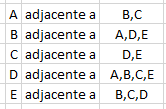
Grafo Matriz Incidência Matriz Adjacência

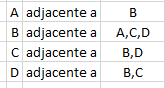
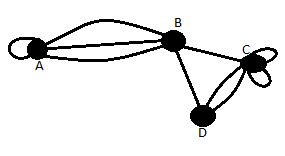
10)



11)A) Grafo

  Não é multigrafo

B) Grafo

 É multigrafo