# Assignment\_12

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2.

The nmber of vertices is 5

#### The number of edges is 13

Vertex	Degree
а	6
b	6
С	6
d	5
е	3

There is no isolated vertex.

There is no pendant vartex.

**22**.

It is bipartite.

24.

It is bipartite.

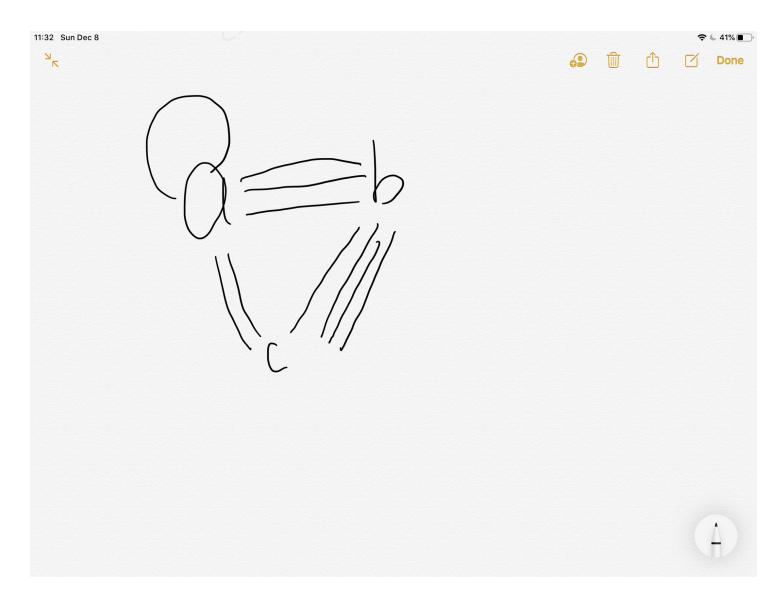
**50**.

## 4.

Initial vartices	Termeinal vertices
а	b,d
b	a,c,d,e
С	b,c
d	a,e
е	c,e

8.

16.



40.

### **Not isomorphic**

2.

It exists a Euler circuit.

a,b,c,f,i,h,f,e,h,g,d,e,b,d,a.

20.

It exists a Euler circuit.

a,d,b,d,e,b,e,c,b,a.

**26**.

- a)  $n \in \{2k+1, k \in \mathbb{Z}\}$
- b)  $n \in \{a|a \geq 3\}$
- c)  $n \in \emptyset$
- d)  $n \in \{2k, k \in \mathbb{Z}\}$