GRAPH 1

Develop directed graph which contains the following functions:

- Add Vertices from the user's input

- Add Edge between the selected vertices and define their weight.

- Show Graph using Depth First Traversal

- Show Graph using Breadth First Traversal

Command	Description
5	Add 5 Vertices
e 0 2 1	Add Edge between Vertex 0 and Vertex 2 (weight = 1)
s	Start Traversal function (The previous functions cannot be executed after this command.)
d 2	Call Depth First Traversal (Start at Vertex 2)
b 1	Call Breadth First Traversal (Start at Vertex 1)
q	Exit

Example

Input	Output
6	2 0 1 3 4 5
e 0 1 1	0 1 2 3 4 5
e 1 0 1	5 2 0 1 3 4
e 0 2 1	3 2 0 1 4 5
e 2 0 1	1 0 2 3 4 5
e 1 2 1	0 1 2 3 4 5
e 2 1 1	5 2 4 0 1 3
e 2 5 1	
e 5 2 1	
e 2 4 1	
e 4 2 1	
e 2 3 1	
e 3 2 1	

```
e 3 4 1
e 4 3 1
e 5 4 1
e 4 5 1
s
d 2
d 0
d 5
d 3
b 1
b 0
b 5
q
```