

# Assignment No. 2

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## graph1k:

1-100:

```
>shortest_path
Give source vertex:1
Give target vertex:100
[1, 5, 487, 175, 699, 624, 100]
Length: 6
Command took 0.0009999275207519531 to execute.
```

100-1:

```
>shortest_path
Give source vertex:100
Give target vertex:1
[100, 416, 354, 865, 109, 1]
Length: 5
Command took 0.0 to execute.
```

## graph10k:

1-100:

```
>shortest_path
Give source vertex:1
Give target vertex:100
[1, 7317, 4118, 2404, 690, 1494, 739, 4722, 100]
Length: 8
Command took 0.010002613067626953 to execute.
```

100-1:

```
>shortest_path
Give source vertex:100
Give target vertex:1
[100, 5568, 2781, 1451, 4997, 528, 4260, 1]
Length: 7
Command took 0.0029997825622558594 to execute.
```

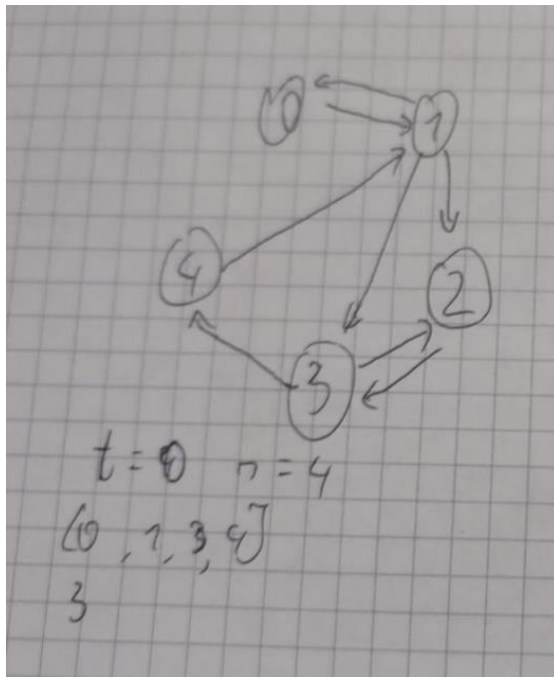
## graph100k:

1-100:

```
>shortest_path
Give source vertex:1
Give target vertex:100
[1, 17024, 27471, 14969, 3075, 4156, 32753, 14973, 100]
Length: 8
Command took 0.10702371597290039 to execute.
```

100-1:

```
>shortest_path
Give source vertex:100
Give target vertex:1
[100, 44340, 54527, 6606, 53263, 95930, 98655, 58288, 1]
Length: 8
Command took 0.038017988204956055 to execute.
```



```
>shortest path
```

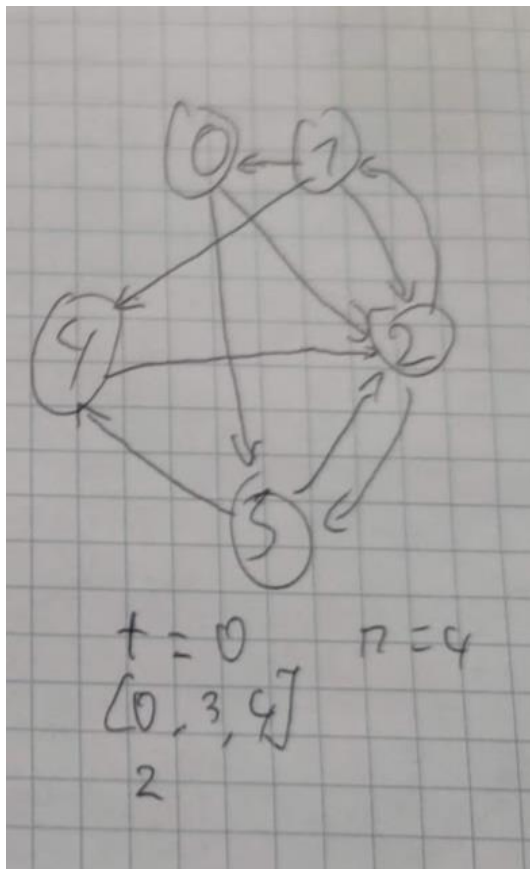
```
Give source vertex:0
```

```
Give target vertex:4
```

```
[0, 1, 3, 4]
```

```
Length: 3
```

```
Command took 0.0 to execute.
```



```
>shortest path
```

```
Give source vertex:0
```

```
Give target vertex:4
```

```
[0, 3, 4]
```

```
Length: 2
```

```
Command took 0.0 to execute.
```