

Lowest cost walks

For graph1k

```
Please select what you want to do next: 16
Enter the starting vertex: 1
Enter the end vertex: 100
The minimum cost path between 1 and 100 is: 141
The path from the end vertex to the start vertex is: 1 5 487 175 714 799 222 561 100
```

```
Please select what you want to do next: 16
Enter the starting vertex: 100
Enter the end vertex: 1
The minimum cost path between 100 and 1 is: 196
The path from the end vertex to the start vertex is: 100 259 229 641 538 854 1
```

For graph10k

```
Please select what you want to do next: 16
Enter the starting vertex: 1
Enter the end vertex: 100
The minimum cost path between 1 and 100 is: 344
The path from the end vertex to the start vertex is: 1 7317 460 6010 5295 4560 5513 8467 3517 99 9159 6840 5177 7133 288 100
```

```
Please select what you want to do next: 16
Enter the starting vertex: 100
Enter the end vertex: 1
The minimum cost path between 100 and 1 is: 238
The path from the end vertex to the start vertex is: 100 4442 3980 1974 407 4489 5162 2008 3631 2305 8336 1
```

For graph100k

```
Please select what you want to do next: 16
```

```
Enter the starting vertex: 1
```

```
Enter the end vertex: 100
```

```
The minimum cost path between 1 and 100 is: 304
```

```
The path from the end vertex to the start vertex is: 1 99842 59480 5210 19068 66428 33692 97073 23675 73057 100
```

```
Please select what you want to do next: 16
```

```
Enter the starting vertex: 100
```

```
Enter the end vertex: 1
```

```
The minimum cost path between 100 and 1 is: 361
```

```
The path from the end vertex to the start vertex is: 100 85636 77467 52472 38155 40962 34650 29215 35260 1
```