Gamma 2.2

```
n = 10^3, gamma = 2.2
```

```
Number of self-loops: 12
Number of multi-links: 81
```

 $n = 10^4$, gamma = 2.2

```
Number of self-loops: 16
Number of multi-links: 274
```

 $n = 10^5$, gamma = 2.2

```
Number of self-loops: 165
Number of multi-links: 5985
```

Gamma 3

```
n = 10^3, gamma = 3
```

```
Number of self-loops: 1
Number of multi-links: 0
```

 $n = 10^4$, gamma = 3

```
Number of self-loops: 2
Number of multi-links: 2
```

 $n = 10^5$, gamma = 3

```
Number of self-loops: 2
Number of multi-links: 3
```