Activity 1. [Problem Size]

|  |  |
| --- | --- |
| **n** | **time(ms)** |
| 10000 | 4491 |
| 20000 | 18097 |
| 40000 | OoT |
| 80000 | OoT |
| 16000 | OoT |
| 32000 | OoT |

Activity 2. [computer performance]

CPU1: 12th Gen Intel(R) Core(TM) i5-12400 2.50 GHz

RAM1: 16,0 GB

Activity 3. [implementation environment]

|  |  |
| --- | --- |
| JAVA | |
| **n** | **time(ms)** |
| 10000 | 73 |
| 20000 | 290 |
| 40000 | 1107 |
| 80000 | 4501 |
| 16000 | 17838 |
| 32000 | OoT |

|  |  |
| --- | --- |
| PYTHON | |
| **n** | **time(ms)** |
| 10000 | 4491 |
| 20000 | 18097 |
| 40000 | OoT |
| 80000 | OoT |
| 16000 | OoT |
| 32000 | OoT |

Activity 4. [algorithm that is used]

|  |  |
| --- | --- |
| PYTHON2 | |
| **n** | **time(ms)** |
| 10000 | 529 |
| 20000 | 1914 |
| 40000 | 7123 |
| 80000 | 25865 |
| 16000 | OoT |
| 32000 | OoT |