Activity 1. [FACTOR 1: PROBLEM SIZE]

|  |  |
| --- | --- |
| n (103) | Time (ms) |
| 10 | 1550 |
| 20 | 6268 |
| 40 | 25528 |
| 80 | OoT |
| 160 | OoT |
| 320 | OoT |
| 640 | OoT |

Activity 2. [FACTOR 2: COMPUTER PERFORMANCE]

|  |  |  |
| --- | --- | --- |
| n(103) | Time 1 (ms) | Time 2 (ms) |
| 10 | 1550 |  |
| 20 | 6268 |  |
| 40 | 25528 |  |
| 80 | OoT |  |
| 160 | OoT |  |
| 320 | OoT |  |
| 640 | OoT |  |

CPU 1 = 12th Gen Inter® Core™ i5-12400

RAM 1 = 16 GB

CPU 2 =

RAM 2 =

Activity 3. [FACTOR 3: IMPLEMENTATION ENVIRONMENT]

|  |  |  |
| --- | --- | --- |
| n(103) | Python time (ms) | Java Time (ms) |
| 10 | 1550 | 39 |
| 20 | 6268 | 137 |
| 40 | 25528 | 505 |
| 80 | OoT | 1890 |
| 160 | OoT | 7108 |
| 320 | OoT | 26779 |
| 640 | OoT | OoT |

Activity 3. [FACTOR 3: IMPLEMENTATION ENVIRONMENT]