Activity 1. Factor 1: problem size

|  |  |
| --- | --- |
| Iterations | Time (milliseconds) |
| 10000 | 1532 |
| 20000 | 6170 |
| 40000 | 24940 |
| 80000 | 100428 |
| 16000 | OoT |
| 320000 | OoT |
| 640000 | OoT |

Activity 2. Factor 2: computer performance

Computer 1) CPU: 12th Gen Intel® Core™ i5-12400

RAM: 16,0 GB

|  |  |  |
| --- | --- | --- |
| Iterations | Time C1 (milliseconds) | Time C2 (milliseconds) |
| 10000 | 1532 |  |
| 20000 | 6170 |  |
| 40000 | 24940 |  |
| 80000 | 100428 |  |
| 16000 | OoT |  |
| 320000 | OoT |  |
| 640000 | OoT |  |

Activity 3. Factor 3: implementation environment

answer

Activity 4. Factor 4: algorithm that is used

|  |  |  |  |
| --- | --- | --- | --- |
| Iterations | Time A1 (ms) | Time A2 (ms) | Time A3 (ms) |
| 10000 | 1532 | 186 | 94 |
| 20000 | 6170 | 677 | 352 |
| 40000 | 24940 | 2532 | 1295 |
| 80000 | 100428 | 9511 | 4872 |
| 16000 | OoT | 37467 | 18341 |
| 320000 | OoT | OoT | OoT |
| 640000 | OoT | OoT | OoT |