Activity 1. [Factor 1 Problem Size]

|  |  |
| --- | --- |
| n | Time (ms) |
| 10000 | 1537 |
| 20000 | 6228 |
| 40000 | 25173 |
| 80000 | OoT |
| 16000 | OoT |
| 32000 | OoT |
| 64000 | OoT |

Activity 2. [Factor 2 Computer Performance]

C1: CPU=2.5GHz RAM=15GB

|  |  |
| --- | --- |
| n | Time (ms) |
| 10000 | 1537 |
| 20000 | 6228 |
| 40000 | 25173 |
| 80000 | OoT |
| 16000 | OoT |
| 32000 | OoT |
| 64000 | OoT |

C2:

|  |  |
| --- | --- |
| n | Time (ms) |
| 10000 |  |
| 20000 |  |
| 40000 |  |
| 80000 |  |
| 16000 |  |
| 32000 |  |
| 64000 |  |

Activity 3. [Factor 3 Implementation Environment]

|  |  |
| --- | --- |
| n | Time (ms) |
| 10000 | 0 |
| 20000 | 2 |
| 40000 | 7 |
| 80000 | 24 |
| 16000 | 87 |
| 32000 | 316 |
| 64000 | 1182 |

Activity 4. [Factor 4 Algorithm that is used]