Opdracht 1.1

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Aantal getallen** | **Tijd** |  |  |  |  |  |  |  |  |  |
| 25000 | 216 | 216 | 75 | 75 | 75 | 74 | 73 | 73 | 75 | 75 |
| 50000 | 851 | 841 | 290 | 291 | 291 | 290 | 289 | 290 | 289 | 292 |
| 100000 | 3362 | 3341 | 1167 | 1163 | 1158 | 1160 | 1166 | 1187 | 1162 | 1163 |
| 200000 | 13417 | 13515 | 4707 | 4665 | 4644 | 4678 | 4644 | 4670 | 4751 | 4684 |
| 400000 | 53869 | 53759 | 18867 | 18730 | 18770 | 18922 | 18710 | 18729 | 18789 | 18794 |
| 800000 | 215942 | 75337 | 75418 | 75241 | 75171 | 75191 | 75377 | 75341 | 75319 | 75375 |

**Opdracht 1.2**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Aantal getallen** | **Tijd** |  |  |  |  |  |  |  |  |  |
| 25000 | 78 | 95 | 23 | 22 | 22 | 26 | 20 | 20 | 20 | 19 |
| 50000 | 238 | 222 | 77 | 78 | 77 | 78 | 77 | 78 | 77 | 77 |
| 100000 | 847 | 860 | 300 | 302 | 298 | 298 | 298 | 299 | 299 | 298 |
| 200000 | 3417 | 3391 | 1187 | 1185 | 1200 | 1198 | 1197 | 1204 | 1190 | 1184 |
| 400000 | 13562 | 13503 | 4730 | 4704 | 4679 | 4679 | 4685 | 4677 | 4703 | 4676 |
| 800000 | 54098 | 54101 | 18744 | 18733 | 18667 | 18754 | 18787 | 18717 | 18707 | 18752 |

## Resultaten

De resultaten van opdracht 1.2 zijn meer als twee keer zo snel vergeleken met die van opdracht een. Dit is te verklaren doordat de array door de helft wordt gesplitst en beide helften tegelijk worden gesorteerd.

**Opdracht 1.3**

**Alle meetresultaten zijn met 8.000.000 elementen.**

**Threshold 50000**Time: 9228milliseconds

Time: 8715milliseconds

Time: 8684milliseconds

Time: 8584milliseconds

Time: 8577milliseconds

Time: 8530milliseconds

Time: 8422milliseconds

Time: 8714milliseconds

Time: 8454milliseconds

Time: 8414milliseconds`

**Threshold 25000**Time: 4868milliseconds

Time: 4494milliseconds

Time: 4447milliseconds

Time: 4487milliseconds

Time: 4498milliseconds

Time: 4474milliseconds

Time: 4515milliseconds

Time: 4477milliseconds

Time: 4577milliseconds

Time: 4539milliseconds

**Threshold 10000**Time: 2858milliseconds

Time: 2705milliseconds

Time: 2607milliseconds

Time: 2674milliseconds

Time: 2666milliseconds

Time: 2657milliseconds

Time: 2669milliseconds

Time: 2710milliseconds

Time: 2690milliseconds

Time: 2720milliseconds

**Threshold 5000**Time: 1964milliseconds

Time: 1951milliseconds

Time: 1937milliseconds

Time: 1922milliseconds

Time: 1827milliseconds

Time: 1880milliseconds

Time: 1900milliseconds

Time: 1983milliseconds

Time: 1881milliseconds

Time: 1830milliseconds

**Threshold 2500**Time: 2002milliseconds

Time: 1732milliseconds

Time: 1570milliseconds

Time: 1819milliseconds

Time: 1653milliseconds

Time: 1733milliseconds

Time: 1712milliseconds

Time: 1592milliseconds

Time: 1883milliseconds

Time: 1692milliseconds

**Threshold 1250**Time: 3653milliseconds

Time: 2934milliseconds

Time: 2869milliseconds

Time: 3007milliseconds

Time: 3263milliseconds

Time: 3141milliseconds

Time: 2881milliseconds

Time: 3086milliseconds

Time: 3070milliseconds

Time: 3213milliseconds