Part 3

1. Experiment C1:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **X** | Hash Method 1 | | Hash Method 2 | |
| Effectiveness (%) | Time (ms) | Effectiveness (%) | Time (ms) |
| 12500 | 99.70% | 541.378 | 99.69% | 572.894 |
| 25000 | 99.43% | 666.581 | 99.41% | 717.549 |
| 37500 | 99.17% | 793.182 | 99.09% | 1019.012 |
| 50000 | 98.85% | 921.611 | 98.81% | 960.765 |
| 75000 | 98.20% | 1255.523 | 98.37% | 1255.929 |

1. Experiment C2:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **X** | Hash Method 1 | | Hash Method 2 | |
| Effectiveness (%) | Time (ms) | Effectiveness (%) | Time (ms) |
| 12500 | 99.70% | 550.093 | 99.69% | 558.613 |
| 25000 | 99.43% | 1013.883 | 99.41% | 975.780 |
| 37500 | 99.17% | 951.180 | 99.09% | 902.012 |
| 50000 | 98.85% | 2784.261 | 98.81% | 1171.351 |
| 75000 | 98.20% | 3469.885 | 98.37% | 1227.673 |

1. Experiment C3:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **X** | Hash Method 1 | | Hash Method 2 | |
| Effectiveness (%) | Time (ms) | Effectiveness (%) | Time (ms) |
| 12500 | 99.70% | 1070.877 | 99.69% | 1097.835 |
| 25000 | 99.43% | 3298.822 | 99.41% | 1447.209 |
| 37500 | 99.17% | 3466.448 | 99.09% | 1165.264 |
| 50000 | 98.85% | 3462.208 | 98.81% | 3968.410 |
| 75000 | 98.20% | 3694.502 | 98.37% | 3990.192 |

1. Experiment D1:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **N (kB)** | Hash Method 1 | | Hash Method 2 | |
| Effectiveness (%) | Time (ms) | Effectiveness (%) | Time (ms) |
| 128 | 95.40% | 959.422 | 95.21% | 976.601 |
| 256 | 97.67% | 935.258 | 97.63% | 1080.711 |
| 512 | 98.85% | 4440.463 | 98.81% | 3018.307 |
| 1024 | 99.39% | 3313.916 | 99.37% | 2996.940 |
| 2048 | 99.70% | 3104.961 | 99.71% | 3178.932 |
| 4096 | 99.86% | 3119.880 | 99.85% | 3240.027 |

1. Experiment D2:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **N (kB)** | Hash Method 1 | | Hash Method 2 | |
| Effectiveness (%) | Time (ms) | Effectiveness (%) | Time (ms) |
| 128 | 95.40% | 894.461 | 95.21% | 920.134 |
| 256 | 97.67% | 1030.477 | 97.63% | 977.131 |
| 512 | 98.85% | 933.044 | 98.81% | 1064.255 |
| 1024 | 99.39% | 2792.453 | 99.37% | 966.729 |
| 2048 | 99.70% | 2924.749 | 99.71% | 1047.471 |
| 4096 | 99.86% | 2998.433 | 99.85% | 1065.172 |