Arafat Hussain

CS370

Project: 5C

Challenge #1

|  |  |  |  |
| --- | --- | --- | --- |
| k | Time (sec) | Mean (µ) | variance () |
| 1 | 2.8 | 3.27 | 25.96 |
| 2 | 3.1 | 4,47 | 41.95 |
| 3 | 3.5 | 6.94 | 59.75 |
| 4 | 3.7 | 8.65 | 78.89 |
| 5 | 4.2 | 10.83 | 95.62 |

Run-Times

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| u | d | k | Run Time (sec) | Professor Program |
| 1 | 2 | 100 | 5.5 | 5-7s |
| 7 | 11 | 1000 | 12.3 | 12-14s |
| 13 | 17 | 1500 | 17.9 | 16-18s |

Done

Mean and Variance

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| u | d | k | Mean | Variance |
| 1 | 2 | 100 | 200.8 | 1806.3 |
| 7 | 11 | 1000 | 502.1 | 10169.6 |
| 13 | 17 | 1500 | 753.5 | 42366.2 |

done