Winielson Miranda

CS 435-003 Programming Assignment 1 Discussion

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| n | Worst Case Obtained | Worst Case Expected | Best Case Obtained | Best Case Expected | Avg Case Obtained | Avg Case Expected |
| 32 | 496 | 496 | 0 | 31 | 215 | 248 |
| 100 |  |  |  |  | 2156 | 2,475 |
| 1000 |  |  |  |  | 252,838 | 249,750 |
| 10000 |  |  |  |  | 24,995,175 | 24,997,500 |

The results show that the obtained results are close to the expected results, and as n gets higher the obtained results get closer to the expected results.