NAME: Huize Shi

ID: A92122910

Date: Feb. 10th, 2016

LOGIN: cs12wjz

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Random | 1,000 | 3,000 | 200,000 | 400,000 | 600,000 |
| Insertion Sort | 178,446 | 184,347 | 194,455,122 | 801,246,498 | 1,724,530,041 |
| Merge Sort | 253,755 | 340,144 | 16,187,122 | 31,614,311 | 49,517,135 |
| Quick Sort | 256,348 | 291,746 | 6,278,652 | 10,843,159 | 22,944,314 |

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| Reverse | 1,000 | 3,000 | 200,000 | 400,000 | 600,000 |
| Insertion Sort | 153,035 | 304,149 | 512,399 | 1,645,103,523 | 3,432,195,491 |
| Merge Sort | 458,203 | 785,109 | 15,390,400 | 35,285,950 | 46,128,408 |
| Quick Sort | 298,924 | 284,002 | 4,919,387 | 13,384,992 | 14,918,477 |

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| Partial | 1,000 | 3,000 | 200,000 | 400,000 | 600,000 |
| Insertion Sort | 89,293 | 143,983 | 70,284,109 | 344,104,483 | 784,109,388 |
| Merge Sort | 483,120 | 720,103 | 16,208,481 | 38,210,182 | 59,102,821 |
| Quick Sort | 248,109 | 243,128 | 4,672,934,239 | 12,149,949 | 16,392,104 |