ECE578 DSA HW2

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Q1

I use the dataset provided for Q2 to test the two algorithms.

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| DataSet | InsertionSort | ShellSort |
| data0.1024 | 1023 | 1510 |
| data0.2048 | 2047 | 3021 |
| data0.4096 | 4095 | 6045 |
| data0.8192 | 8191 | 12091 |
| data0.16384 | 16383 | 24184 |
| data0.32768 | 32767 | 48370 |
| data1.1024 | 265553 | 209064 |
| data1.2048 | 1029278 | 803644 |
| data1.4096 | 4187890 | 3225240 |
| data1.8192 | 16936946 | 13095081 |
| data1.16384 | 66657561 | 51601294 |
| data1.32768 | 267966668 | 207354020 |

Q2