

Output for randomly generated data:

Original file size: 73556 bits
Encoded file size: 54852 bits
Saving of: 18704 bits
Compression ratio: 1.6 : 1
In percentage: 36.428245146555
Time taken to encode file: 0.054125308990478516
Time taken to decode file: 0.11180448532104492

Results:

The graphs are obtained by running 50 different text files including both randomly generated files as well as files given by the user sorted in ascending order for convenient deduction.

