Process Time Report

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The times of a few combinations of string length and number of strings were recorded in the tables below. Each input combination was run 5 times and then the average was calculated. The time recorded is also based on CPU time used to run the program (so not 'real world' time). The following gives a good indication of how the program handles the files, but is not extensive so feel free to run your own tests and look at both the output.txt files for the permutations and the times.txt files that are generated to look at the time it takes for any input.

All times listed are recorded in seconds.

Input(s)	abcdefgh		Input(s)	abcdefghij
Time 1	0.032659		Time 1	3.019008
Time 2	0.041329		Time 2	3.102178
Time 3	0.041208		Time 3	3.035681
Time 4	0.044158		Time 4	3.005653
Time 5	0.037649		Time 5	3.082050
Average	0.0394006		Average	3.048914

Input(s)	abcdefgh	ijklmnop
Time 1	0.034336	0.034290
Time 2	0.043192	0.043226
Time 3	0.043484	0.042867
Time 4	0.043570	0.043790
Time 5	0.041815	0.041767
Average	0.0412794	0.041188

Input(s)	abcdefgh	ijklmnop	qrstuvwx
Time 1	0.040528	0.039694	0.037720
Time 2	0.033048	0.034150	0.034815
Time 3	0.035534	0.035590	0.036590
Time 4	0.036884	0.035553	0.035776
Time 5	0.035413	0.035555	0.033777
Average	0.0362814	0.0361084	0.0357356

Input(s)	abcdefgh	ijklmnop	qrstuvwx	12345678
Time 1	0.046422	0.045099	0.043940	0.046269
Time 2	0.041846	0.044826	0.045099	0.044362
Time 3	0.043674	0.044480	0.043687	0.042615
Time 4	0.043368	0.042349	0.043392	0.042701
Time 5	0.041607	0.042831	0.042305	0.041481
Average	0.0898054	0.043917	0.0436846	0.0434856