

**Problem 1.**

- `SuffixArray.cpp` implements the  $O(n \log n)$  suffix array data structure.
- It produces the correct output for all provided inputs.
- Included is a makefile to compile/build the executable, `a.out`, using Clang++.
- `test.py` runs `a.out` on all the input files in the current working directory. It prints out the execution time in milliseconds and whether the output file `my*.out` matches the desired output file `*.out`.

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Input File	Runtime (milliseconds)
small	11
medium	25
large	705

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