Problem 1.

- Implemented are versions of Edmonds-Karp and Push-Relabel max flow algorithms in C++.
- Both produce the correct output for all provided inputs.
- Included is the makefile used to produced the executable, `a.out`, using Clang++. By default, the executable runs Edmonds-Karp on the provided input. The optional flag `-p` can be passed in as a command line argument to run Push-Relabel.
- `test.py` is a test script which runs `a.out` on all the input files in the current working directory. It prints out the execution time and whether the output file `my*.out` matches the desired output file `*.out`. Again, the optional flag `-p` can be passed to run all inputs with Push-Relabel, i.e. `./test.py -p`
- Worst case for Edmonds-Karp was 07.in which took 0.178 sec.
- Worst case for Push-Relabel was 11.in which took 1.954 sec.

Input File	Edmonds-Karp (s)	Push-Relabel (s)
1	0.002	0.004
2	0.092	0.010
3	0.094	0.020
4	0.008	0.112
5	0.092	0.049
6	0.177	0.028
7	0.178	0.208
8	0.068	0.083
9	0.084	0.155
10	0.064	0.358
11	0.117	1.954
12	0.125	1.901
13	0.128	0.090
14	0.088	0.137
15	0.079	1.196
16	0.063	1.137