CPSC 231 (Winter 2017)

TA: Samiul Azam

Problem statement 1

- Write a program that will calculate geometric mean of n numbers.
- Run with input redirected in from a file, i.e.,
  python3 program.py < datafile
- Store these numbers into a LIST.
- Then traverse the list again to calculate geometric mean.

Example input 1

- Content of a datafile can be as follows

```
1.23
42.0
12.8
999.9
EOF
```

Example input 2

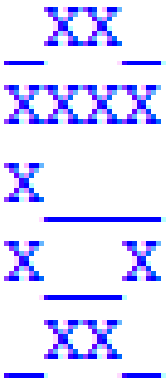
- Content of a datafile can be as follows

```
1.0
2.0
3.0
4.0
5.0
EOF
```

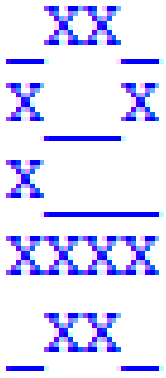
Problem statement 2

0	1	1	0
1	1	1	1
1	0	0	0
1	0	0	1
0	1	1	0

```
bm = [
   [ 0, 1, 1, 0 ],
   [ 1, 1, 1, 1 ],
   [ 1, 0, 0, 0 ],
   [ 1, 0, 0, 1 ],
   [ 0, 1, 1, 0 ]
]
```



Output



Vertically Flipped

Problem statement 2

- For flipping
  - Printing in reverse order
    - Do it first. However it is not an actual flipping
  - For actual flipping, you need to vertically flip the content of bm in place.

Thank you