I rewrote the function that creates the dag from the string of the circuit. It is a lot more compact and easier to understand. I tried testing it for the randomly generated libraries with (a.b) and Libraries 3, 5, 6, and 9 were the best this time. Note that I only tested the first repressor in the repressor library, the first two inputs in the inputs library and the first output in the output libraries.

I think I will regenerate libraries using different values for the standards.

I tried to improve the function that allows you to load gates from libraries and a bunch of problems started coming up.

I also spent a lot of time trying to figure out why the libraries were screwing up

Inputs:

0

1

3

Repressors:

2

6

8

7

9

0

Outputs:

2

That combination of choices from library two was giving me a lot of problems. I will need to ask Bryan about it tomorrow. But I give up for today.