Aidan Fahey CSCI 226 Project 0 9/7/2023

I collaborated with nobody

log.txt

ProjectName: circuits
Deadline: 21:00 1/28/2020

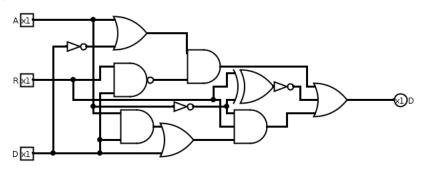
project0.circ submitted: 2023-09-11 07:45:52

Testing project0.circ ...

- Submitted circuits in project0.circ:
 - bardeen
 - shockley
 - onehot
 - parity
 - election
 - railroad
 - decoder0
 - counter
 - decoder1
- Testing bardeen with various possible inputs
- Testing shockley with various possible inputs
- Testing onehot with various possible inputs
- Testing parity with various possible inputs
- Testing election with various possible inputs
- Testing railroad with various possible inputs
- Testing decoder0 with various possible inputs
- Testing counter with various possible inputs Testing decoder1 with various possible inputs
- Testing display with various possible inputs
- * 1 of 1 programs compiled and tested

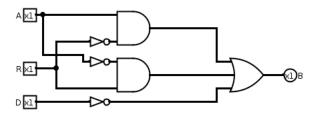
bardeen

Α	R	D2	D	
0	0	0	1	
0	0	1	0	
0	1	0	1	
0	1	1	1	
1	0	0	1	
1	0	1	1	
1	1	0	1	
1	1	1	0	



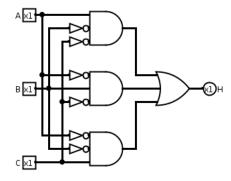
shockley

А	R	D	В
0	0	0	1
0	0	1	0
0	1	0	1
0	1	1	1
1	0	0	1
1	0	1	1
1	1	0	1
1	1	1	0



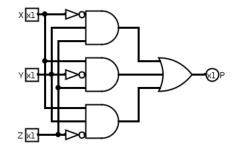
onehot

А	В	С	Н
0	0	0	0
0	0	1	1
0	1	0	1
0	1	1	0
1	0	0	1
1	0	1	0
1	1	0	0
1	1	1	0



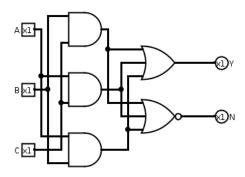
parity

Х	Y	Z	Р
0	0	0	0
0	0	1	0
0	1	0	0
0	1	1	1
1	0	0	0
1	0	1	1
1	1	0	1
1	1	1	0



election

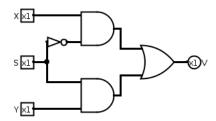
А	В	С	Y	N
0	0	0	0	1
0	0	1	0	1
0	1	0	0	1
0	1	1	1	0
1	0	0	0	1
1	0	1	1	0
1	1	0	1	0
1	1	1	1	0



railroad

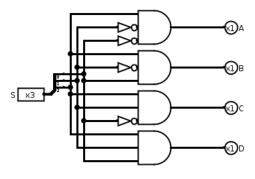
X S Y V 0 0 0 0 0 0 1 0

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



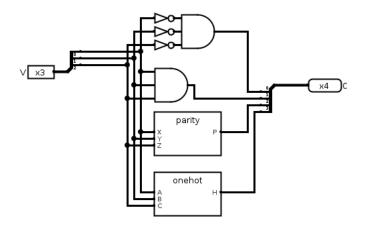
decoder0

S	Α	В	С	D
000	0	0	0	0
001	0	0	0	0
010	0	0	0	0
011	0	0	0	0
100	1	0	0	0
101	0	1	0	0
110	0	0	1	0
111	0	0	0	1



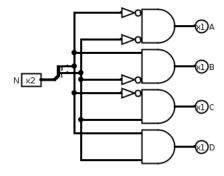
counter

V	С
000	0001
001	1000
010	1000
011	0100
100	1000
101	0100
110	0100
111	0010



decoder1

N	Α	В	С	D
00 01 10	1	0	0	0
01	0	1	0	0
10	0	0	1	0
11	0	0	0	1



display

```
V E matrix
00 0 ...

00 1 .##.

#.#

###

01 0 ...

01 1 ###.

###.

###.

###.

10 0 ...

...
```

```
10 1 .##.

#..#

#..#

.##.

11 0 ....

11 1 ###.

#..#

#..#

#..#
```

