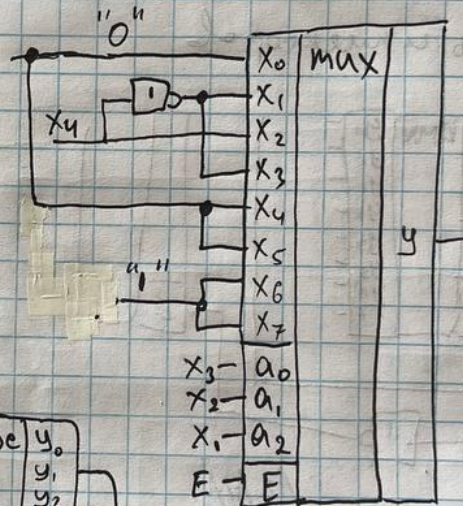


$$y = \overline{x_4}x_3x_2x_1 + \overline{x_4}\overline{x_3}x_1 + x_4\overline{x_3}x_2\overline{x_1} + x_3x_2$$

x_4	x_3	x_2	x_1	y
0	0	0	0	0
0	0	0	1	1
0	0	1	0	0
0	0	1	1	1
0	1	0	0	0
0	1	0	1	0
0	1	1	0	1
0	1	1	1	1
1	0	0	0	0
1	0	0	1	0
1	0	1	0	1
1	0	1	1	0
1	1	0	0	0
1	1	0	1	0
1	1	1	0	1
1	1	1	1	1

1. На MUX 8→1

	x_3	x_2	x_1	y
0	0	0	0	0
1	0	0	1	$\overline{x_4}$
2	0	1	0	x_4
3	0	1	1	$\overline{x_4}$
4	1	0	0	0
5	1	0	1	0
6	1	1	0	1
7	1	1	1	1



2. На DC 2→4

