Prelab

2   $(\overline{A+B})(\overline{CD})$

3

NAND:

A	B	out
0	0	1
0	1	1
1	0	1
1	1	0

NOR:

A	B	out
0	0	1
0	1	0
1	0	0
1	1	1

4

A	B	C	D	out
0	0	0	0	1
1	0	0	0	0
0	1	0	0	0
1	1	0	0	0
0	0	1	0	1
1	0	1	0	0
0	1	1	0	0
1	1	1	0	0
0	0	0	1	1
1	0	0	1	0
0	1	0	1	0
1	1	0	1	0
0	0	1	1	0
1	0	1	1	0
0	1	1	1	0
1	1	1	1	0