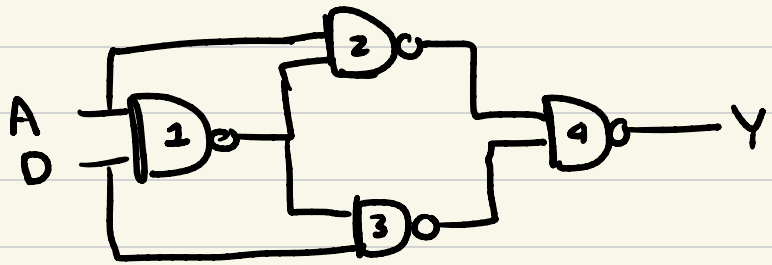
NAND

$\bar{A}D + A\bar{D} = Y$

$A \oplus D = Y$

$\overline{A \cdot D}$



NAND 1

A	D	$\overline{A \cdot D}$
0	0	1
0	1	1
1	0	1
1	1	0

NAND2

A	$\overline{AD}$	$\overline{A\,\overline{AD}}$
0	1	1
0	1	1
1	1	0
1	0	1

NAND3

D	$\overline{AD}$	$\overline{D\,\overline{AD}}$
0	1	1
0	1	1
1	1	0
1	0	1

NAND4

$A\,\overline{AD}$	$D\,\overline{AD}$	$A \otimes D$
0	0	0
0	0	0
1	1	1
1	1	1

A	D	$A \otimes D$
0	0	0
0	1	1
1	0	1
1	1	0