3 INPUT AND

S	X1	X2	X3	Z	∀1i	∀2i	∀3i	K	Y	D	∀1f	∀2f	∀3f	bias	alpha	Threshold
1	0	0	0	0	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0	0.1	0.5
	0	0	1	0	0.1	0.1	0.1	0.1	0	0	0.1	0.1	0.1	0	0.1	0.5
	0	1	0	0	0.1	0.1	0.1	0.1	0	0	0.1	0.1	0.1	0	0.1	0.5
	0	1	1	0	0.1	0.1	0.1	0.2	0	0	0.1	0.1	0.1	0	0.1	0.5
	1	0	0	0	0.1	0.1	0.1	0.1	0	0	0.1	0.1	0.1	0	0.1	0.5
	1	0	1	0	0.1	0.1	0.1	0.2	0	0	0.1	0.1	0.1	0	0.1	0.5
	1	1	0	0	0.1	0.1	0.1	0.2	0	0	0.1	0.1	0.1	0	0.1	0.5
	1	1	1	1	0.1	0.1	0.1	0.3	0	1	0.2	0.2	0.2	0	0.1	0.5
2	0	0	0	0	0.2	0.2	0.2	0	0	0	0.2	0.2	0.2	0	0.1	0.5
	0	0	1	0	0.2	0.2	0.2	0.2	0	0	0.2	0.2	0.2	0	0.1	0.5
	0	1	0	0	0.2	0.2	0.2	0.2	0	0	0.2	0.2	0.2	0	0.1	0.5
	0	1	1	0	0.2	0.2	0.2	0.4	0	0	0.2	0.2	0.2	0	0.1	0.5
	1	0	0	0	0.2	0.2	0.2	0.2	0	0	0.2	0.2	0.2	0	0.1	0.5
	1	0	1	0	0.2	0.2	0.2	0.4	0	0	0.2	0.2	0.2	0	0.1	0.5
	1	1	0	0	0.2	0.2	0.2	0.4	0	0	0.2	0.2	0.2	0	0.1	0.5
	1	1	1	1	0.2	0.2	0.2	0.6	1	0	0.2	0.2	0.2	0	0.1	0.5

3 INPUT NAND

S	X1	X2	X3	Z	∀1i	∀2i	∀3i	K	Y	D	∀1f	∀2f	∀3f	bias	alpha	Threshold
1	0	0	0	1	0.1	0.1	0.1	1	1	0	0.1	0.1	0.1	1	0.1	0.5
	0	0	1	1	0.1	0.1	0.1	1.1	1	0	0.1	0.1	0.1	1	0.1	0.5
	0	1	0	1	0.1	0.1	0.1	1.1	1	0	0.1	0.1	0.1	1	0.1	0.5
	0	1	1	1	0.1	0.1	0.1	1.2	1	0	0.1	0.1	0.1	1	0.1	0.5
	1	0	0	1	0.1	0.1	0.1	1.1	1	0	0.1	0.1	0.1	1	0.1	0.5
	1	0	1	1	0.1	0.1	0.1	1.2	1	0	0.1	0.1	0.1	1	0.1	0.5
	1	1	0	1	0.1	0.1	0.1	1.2	1	0	0.1	0.1	0.1	1	0.1	0.5
	1	1	1	0	0.1	0.1	0.1	1.3	1	-1	0	0	0	1	0.1	0.5
2	0	0	0	1	0	0	0	1	1	0	0	0	0	1	0.1	0.5
	0	0	1	1	0	0	0	1	1	0	0	0	0	1	0.1	0.5
	0	1	0	1	0	0	0	1	1	0	0	0	0	1	0.1	0.5
	0	1	1	1	0	0	0	1	1	0	0	0	0	1	0.1	0.5
	1	0	0	1	0	0	0	1	1	0	0	0	0	1	0.1	0.5
	1	0	1	1	0	0	0	1	1	0	0	0	0	1	0.1	0.5
	1	1	0	1	0	0	0	1	1	0	0	0	0	1	0.1	0.5
	1	1	1	0	0	0	0	1	1	-1	-0.1	-0.1	-0.1	1	0.1	0.5
3	0	0	0	1	-0.1	-0.1	-0.1	1	1	0	-0.1	-0.1	-0.1	1	0.1	0.5
	0	0	1	1	-0.1	-0.1	-0.1	0.9	1	0	-0.1	-0.1	-0.1	1	0.1	0.5
	0	1	0	1	-0.1	-0.1	-0.1	0.9	1	0	-0.1	-0.1	-0.1	1	0.1	0.5
	0	1	1	1	-0.1	-0.1	-0.1	0.8	1	0	-0.1	-0.1	-0.1	1	0.1	0.5
	1	0	0	1	-0.1	-0.1	-0.1	0.9	1	0	-0.1	-0.1	-0.1	1	0.1	0.5
	1	0	1	1	-0.1	-0.1	-0.1	0.8	1	0	-0.1	-0.1	-0.1	1	0.1	0.5
	1	1	0	1	-0.1	-0.1	-0.1	0.8	1	0	-0.1	-0.1	-0.1	1	0.1	0.5
	1	1	1	0	-0.1	-0.1	-0.1	0.7	1	-1	-0.2	-0.2	-0.2	1	0.1	0.5
4	0	0	0	1	-0.2	-0.2	-0.2	1	1	0	-0.2	-0.2	-0.2	1	0.1	0.5
	0	0	1	1	-0.2	-0.2	-0.2	0.8	1	0	-0.2	-0.2	-0.2	1	0.1	0.5
	0	1	0	1	-0.2	-0.2	-0.2	0.8	1	0	-0.2	-0.2	-0.2	1	0.1	0.5
	0	1	1	1	-0.2	-0.2	-0.2	0.6	1	0	-0.2	-0.2	-0.2	1	0.1	0.5
	1	0	0	1	-0.2	-0.2	-0.2	0.8	1	0	-0.2	-0.2	-0.2	1	0.1	0.5
	1	0	1	1	-0.2	-0.2	-0.2	0.6	1	0	-0.2	-0.2	-0.2	1	0.1	0.5
	1	1	0	1	-0.2	-0.2	-0.2	0.6	1	0	-0.2	-0.2	-0.2	1	0.1	0.5
	1	1	1	0	-0.2	-0.2	-0.2	0.4	0	0	-0.2	-0.2	-0.2	1	0.1	0.5

3 INPUT NOR

S	X1	X2	X3	Z	∀1i	∀2i	∀3i	K	Y	D	∀1f	∀2f	∀3f	bias	alpha	Threshold
1	0	0	0	1	0.1	0.1	0.1	1	1	0	0.1	0.1	0.1	1	0.1	0.5
	0	0	1	0	0.1	0.1	0.1	1.1	1	-1	0.1	0.1	0	1	0.1	0.5
	0	1	0	0	0.1	0.1	0	1.1	1	-1	0.1	0	0	1	0.1	0.5
	0	1	1	0	0.1	0	0	1	1	-1	0.1	-0.1	-0.1	1	0.1	0.5
	1	0	0	0	0.1	-0.1	-0.1	1.1	1	-1	0	-0.1	-0.1	1	0.1	0.5
	1	0	1	0	0	-0.1	-0.1	0.9	1	-1	-0.1	-0.1	-0.2	1	0.1	0.5
	1	1	0	0	-0.1	-0.1	-0.2	0.8	1	-1	-0.2	-0.2	-0.2	1	0.1	0.5
	1	1	1	0	-0.2	-0.2	-0.2	0.4	0	0	-0.2	-0.2	-0.2	1	0.1	0.5
2	0	0	0	1	-0.2	-0.2	-0.2	1	1	0	-0.2	-0.2	-0.2	1	0.1	0.5
	0	0	1	0	-0.2	-0.2	-0.2	0.8	1	-1	-0.2	-0.2	-0.3	1	0.1	0.5
	0	1	0	0	-0.2	-0.2	-0.3	0.8	1	-1	-0.2	-0.3	-0.3	1	0.1	0.5
	0	1	1	0	-0.2	-0.3	-0.3	0.4	0	0	-0.2	-0.3	-0.3	1	0.1	0.5
	1	0	0	0	-0.2	-0.3	-0.3	0.8	1	-1	-0.3	-0.3	-0.3	1	0.1	0.5
	1	0	1	0	-0.3	-0.3	-0.3	0.4	0	0	-0.3	-0.3	-0.3	1	0.1	0.5
	1	1	0	0	-0.3	-0.3	-0.3	0.4	0	0	-0.3	-0.3	-0.3	1	0.1	0.5
	1	1	1	0	-0.3	-0.3	-0.3	0.1	0	0	-0.3	-0.3	-0.3	1	0.1	0.5
3	0	0	0	1	-0.3	-0.3	-0.3	1	1	0	-0.3	-0.3	-0.3	1	0.1	0.5
	0	0	1	0	-0.3	-0.3	-0.3	0.7	1	-1	-0.3	-0.3	-0.4	1	0.1	0.5
	0	1	0	0	-0.3	-0.3	-0.4	0.7	1	-1	-0.3	-0.4	-0.4	1	0.1	0.5
	0	1	1	0	-0.3	-0.4	-0.4	0.2	0	0	-0.3	-0.4	-0.4	1	0.1	0.5
	1	0	0	0	-0.3	-0.4	-0.4	0.7	1	-1	-0.4	-0.4	-0.4	1	0.1	0.5
	1	0	1	0	-0.4	-0.4	-0.4	0.2	0	0	-0.4	-0.4	-0.4	1	0.1	0.5
	1	1	0	0	-0.4	-0.4	-0.4	0.2	0	0	-0.4	-0.4	-0.4	1	0.1	0.5
	1	1	1	0	-0.4	-0.4	-0.4	-0.2	0	0	-0.4	-0.4	-0.4	1	0.1	0.5
4	0	0	0	1	-0.4	-0.4	-0.4	1	1	0	-0.4	-0.4	-0.4	1	0.1	0.5
	0	0	1	0	-0.4	-0.4	-0.4	0.6	1	-1	-0.4	-0.4	-0.5	1	0.1	0.5
	0	1	0	0	-0.4	-0.4	-0.5	0.6	1	-1	-0.4	-0.5	-0.5	1	0.1	0.5
	0	1	1	0	-0.4	-0.5	-0.5	0	0	0	-0.4	-0.5	-0.5	1	0.1	0.5
	1	0	0	0	-0.4	-0.5	-0.5	0.6	1	-1	-0.5	-0.5	-0.5	1	0.1	0.5
	1	0	1	0	-0.5	-0.5	-0.5	0	0	0	-0.5	-0.5	-0.5	1	0.1	0.5
	1	1	0	0	-0.5	-0.5	-0.5	0	0	0	-0.5	-0.5	-0.5	1	0.1	0.5
	1	1	1	0	-0.5	-0.5	-0.5	-0.5	0	0	-0.5	-0.5	-0.5	1	0.1	0.5
5	0	0	0	1	-0.5	-0.5	-0.5	1	1	0	-0.5	-0.5	-0.5	1	0.1	0.5
	0	0	1	0	-0.5	-0.5	-0.5	0.5	0	0	-0.5	-0.5	-0.5	1	0.1	0.5
	0	1	0	0	-0.5	-0.5	-0.5	0.5	0	0	-0.5	-0.5	-0.5	1	0.1	0.5
	0	1	1	0	-0.5	-0.5	-0.5	0	0	0	-0.5	-0.5	-0.5	1	0.1	0.5
	1	0	0	0	-0.5	-0.5	-0.5	0.5	0	0	-0.5	-0.5	-0.5	1	0.1	0.5
	1	0	1	0	-0.5	-0.5	-0.5	0	0	0	-0.5	-0.5	-0.5	1	0.1	0.5
	1	1	0	0	-0.5	-0.5	-0.5	0	0	0	-0.5	-0.5	-0.5	1	0.1	0.5
	1	1	1	0	-0.5	-0.5	-0.5	-0.5	0	0	-0.5	-0.5	-0.5	1	0.1	0.5

3 INPUT OR

S	X1	X2	X3	Z	V1i	V2i	V3i	K	Y	D	V1f	V2f	V3f	bias	alpha	Threshold
1	0	0	0	0	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0	0.1	0.5
	0	0	1	1	0.1	0.1	0.1	0.1	0	1	0.1	0.1	0.2	0	0.1	0.5
	0	1	0	1	0.1	0.1	0.2	0.1	0	1	0.1	0.2	0.2	0	0.1	0.5
	0	1	1	1	0.1	0.2	0.2	0.4	0	1	0.1	0.3	0.3	0	0.1	0.5
	1	0	0	1	0.1	0.3	0.3	0.1	0	1	0.2	0.3	0.3	0	0.1	0.5
	1	0	1	1	0.2	0.3	0.3	0.5	0	1	0.3	0.3	0.4	0	0.1	0.5
	1	1	0	1	0.3	0.3	0.4	0.6	1	0	0.3	0.3	0.4	0	0.1	0.5
	1	1	1	1	0.3	0.3	0.4	1	1	0	0.3	0.3	0.4	0	0.1	0.5
2	0	0	0	0	0.3	0.3	0.4	0	0	0	0.3	0.3	0.4	0	0.1	0.5
	0	0	1	1	0.3	0.3	0.4	0.4	0	1	0.3	0.3	0.5	0	0.1	0.5
	0	1	0	1	0.3	0.3	0.5	0.3	0	1	0.3	0.4	0.5	0	0.1	0.5
	0	1	1	1	0.3	0.4	0.5	0.9	1	0	0.3	0.4	0.5	0	0.1	0.5
	1	0	0	1	0.3	0.4	0.5	0.3	0	1	0.4	0.4	0.5	0	0.1	0.5
	1	0	1	1	0.4	0.4	0.5	0.9	1	0	0.4	0.4	0.5	0	0.1	0.5
	1	1	0	1	0.4	0.4	0.5	0.8	1	0	0.4	0.4	0.5	0	0.1	0.5
	1	1	1	1	0.4	0.4	0.5	1.3	1	0	0.4	0.4	0.5	0	0.1	0.5
3	0	0	0	0	0.4	0.4	0.5	0	0	0	0.4	0.4	0.5	0	0.1	0.5
	0	0	1	1	0.4	0.4	0.5	0.5	0	1	0.4	0.4	0.6	0	0.1	0.5
	0	1	0	1	0.4	0.4	0.6	0.4	0	1	0.4	0.5	0.6	0	0.1	0.5
	0	1	1	1	0.4	0.5	0.6	1.1	1	0	0.4	0.5	0.6	0	0.1	0.5
	1	0	0	1	0.4	0.5	0.6	0.4	0	1	0.5	0.5	0.6	0	0.1	0.5
	1	0	1	1	0.5	0.5	0.6	1.1	1	0	0.5	0.5	0.6	0	0.1	0.5
	1	1	0	1	0.5	0.5	0.6	1	1	0	0.5	0.5	0.6	0	0.1	0.5
	1	1	1	1	0.5	0.5	0.6	1.6	1	0	0.5	0.5	0.6	0	0.1	0.5
4	0	0	0	0	0.5	0.5	0.6	0	0	0	0.5	0.5	0.6	0	0.1	0.5
	0	0	1	1	0.5	0.5	0.6	0.6	1	0	0.5	0.5	0.6	0	0.1	0.5
	0	1	0	1	0.5	0.5	0.6	0.5	0	1	0.5	0.6	0.6	0	0.1	0.5
	0	1	1	1	0.5	0.6	0.6	1.2	1	0	0.5	0.6	0.6	0	0.1	0.5
	1	0	0	1	0.5	0.6	0.6	0.5	0	1	0.6	0.6	0.6	0	0.1	0.5
	1	0	1	1	0.6	0.6	0.6	1.2	1	0	0.6	0.6	0.6	0	0.1	0.5
	1	1	0	1	0.6	0.6	0.6	1.2	1	0	0.6	0.6	0.6	0	0.1	0.5
	1	1	1	1	0.6	0.6	0.6	1.8	1	0	0.6	0.6	0.6	0	0.1	0.5
5	0	0	0	0	0.6	0.6	0.6	0	0	0	0.6	0.6	0.6	0	0.1	0.5
	0	0	1	1	0.6	0.6	0.6	0.6	1	0	0.6	0.6	0.6	0	0.1	0.5
	0	1	0	1	0.6	0.6	0.6	0.6	1	0	0.6	0.6	0.6	0	0.1	0.5
	0	1	1	1	0.6	0.6	0.6	1.2	1	0	0.6	0.6	0.6	0	0.1	0.5
	1	0	0	1	0.6	0.6	0.6	0.6	1	0	0.6	0.6	0.6	0	0.1	0.5
	1	0	1	1	0.6	0.6	0.6	1.2	1	0	0.6	0.6	0.6	0	0.1	0.5
	1	1	0	1	0.6	0.6	0.6	1.2	1	0	0.6	0.6	0.6	0	0.1	0.5
	1	1	1	1	0.6	0.6	0.6	1.8	1	0	0.6	0.6	0.6	0	0.1	0.5