

AND GATE															
S	X1	X2	X3	Z	W1I	W2I	W3I	K	Y	D	LEARNING R	BIAS	W1F	W2F	W3F
1	0	0	0	0	0	0.2	0.2	0.2	0.2	0	0	0.1	0.2	0.2	0.2
	0	0	1	0	0	0.2	0.2	0.2	0.4	0	0	0.1	0.2	0.2	0.2
	0	1	0	0	0	0.2	0.2	0.2	0.4	0	0	0.1	0.2	0.2	0.2
	0	1	1	0	0	0.2	0.2	0.2	0.6	1	-1	0.1	0.2	0.2	0.1
	1	0	0	0	0	0.2	0.1	0.1	0.4	0	0	0.1	0.2	0.2	0.1
	1	0	1	0	0	0.2	0.1	0.1	0.5	0	0	0.1	0.2	0.2	0.1
	1	1	0	0	0	0.2	0.1	0.1	0.5	0	0	0.1	0.2	0.2	0.1
	1	1	1	1	1	0.2	0.1	0.1	0.6	1	0	0.1	0.2	0.2	0.1
	0	0	0	0	0	0.2	0.1	0.1	0.2	0	0	0.1	0.2	0.2	0.1
	0	0	1	0	0	0.2	0.1	0.1	0.3	0	0	0.1	0.2	0.2	0.1
2	0	1	0	0	0	0.2	0.1	0.1	0.3	0	0	0.1	0.2	0.2	0.1
	0	1	1	0	0	0.2	0.1	0.1	0.4	0	0	0.1	0.2	0.2	0.1
	1	0	0	0	0	0.2	0.1	0.1	0.4	0	0	0.1	0.2	0.2	0.1
	1	0	1	0	0	0.2	0.1	0.1	0.5	0	0	0.1	0.2	0.2	0.1
	1	1	0	0	0	0.2	0.1	0.1	0.5	0	0	0.1	0.2	0.2	0.1
	1	1	1	0	0	0.2	0.1	0.1	0.5	0	0	0.1	0.2	0.2	0.1
	1	1	0	0	0	0.2	0.1	0.1	0.5	0	0	0.1	0.2	0.2	0.1
	1	1	1	0	0	0.2	0.1	0.1	0.5	0	0	0.1	0.2	0.2	0.1
	1	1	1	1	1	0.2	0.1	0.1	0.6	1	0	0.1	0.2	0.2	0.1
	1	1	1	1	1	0.2	0.1	0.1	0.6	1	0	0.1	0.2	0.2	0.1

NAND GATE															
S	X1	X2	X3	Z	W1I	W2I	W3I	K	Y	D	LEARNING R	BIAS	W1F	W2F	W3F
1	0	0	0	1	0.2	0.2	0.2	0.2	0.8	1	0	0.3	0.8	0.2	0.2
	0	0	1	1	0.2	0.2	0.2	0.2	1	1	0	0.3	0.8	0.2	0.2
	0	1	0	1	0.2	0.2	0.2	0.2	1	1	0	0.3	0.8	0.2	0.2
	0	1	1	1	0.2	0.2	0.2	0.2	1.2	1	0	0.3	0.8	0.2	0.2
	1	0	0	1	0.2	0.2	0.2	0.2	1	1	0	0.3	0.8	0.2	0.2
	1	0	1	1	0.2	0.2	0.2	0.2	1.2	1	0	0.3	0.8	0.2	0.2
	1	1	0	1	0.2	0.2	0.2	0.2	1.2	1	0	0.3	0.8	0.2	0.2
	1	1	1	1	0	0.2	0.2	0.2	1.4	1	-1	0.3	0.8	-0.1	-0.1
	0	0	0	0	1	-0.1	-0.1	-0.1	0.8	1	0	0.3	0.8	-0.1	-0.1
	0	0	1	1	1	-0.1	-0.1	-0.1	0.7	1	0	0.3	0.8	-0.1	-0.1
2	0	1	0	1	1	-0.1	-0.1	-0.1	0.7	1	0	0.3	0.8	-0.1	-0.1
	0	1	1	1	1	-0.1	-0.1	-0.1	0.6	1	0	0.3	0.8	-0.1	-0.1
	1	0	0	1	1	-0.1	-0.1	-0.1	0.7	1	0	0.3	0.8	-0.1	-0.1
	1	0	1	1	1	-0.1	-0.1	-0.1	0.6	1	0	0.3	0.8	-0.1	-0.1
	1	1	0	1	1	-0.1	-0.1	-0.1	0.6	1	0	0.3	0.8	-0.1	-0.1
	1	1	1	1	1	-0.1	-0.1	-0.1	0.6	1	0	0.3	0.8	-0.1	-0.1
	1	1	1	1	0	-0.1	-0.1	-0.1	0.5	0	0	0.3	0.8	-0.1	-0.1
	1	1	1	1	0	-0.1	-0.1	-0.1	0.5	0	0	0.3	0.8	-0.1	-0.1
	1	1	1	1	0	-0.1	-0.1	-0.1	0.5	0	0	0.3	0.8	-0.1	-0.1
	1	1	1	1	0	-0.1	-0.1	-0.1	0.5	0	0	0.3	0.8	-0.1	-0.1

OR GATE															
S	X1	X2	X3	Z	W1I	W2I	W3I	K	Y	D	LEARNING R	BIAS	W1F	W2F	W3F
1	0	0	0	0	0	0.2	0.2	0.2	0	0	0	0.2	0	0.2	0.2
	0	0	1	1	1	0.2	0.2	0.2	0.2	0	1	0.2	0	0.2	0.4
	0	1	0	1	1	0.2	0.2	0.4	0.2	0	1	0.2	0	0.2	0.4
	0	1	1	1	1	0.2	0.4	0.4	0.8	1	0	0.2	0	0.2	0.4
	1	0	0	1	1	0.2	0.4	0.4	0.2	0	1	0.2	0	0.4	0.4
	1	0	1	1	1	0.4	0.4	0.4	0.8	1	0	0.2	0	0.4	0.4
	1	1	0	1	1	0.4	0.4	0.4	0.8	1	0	0.2	0	0.4	0.4
	1	1	1	1	1	0.4	0.4	0.4	1.2	1	0	0.2	0	0.4	0.4
	0	0	0	0	0	0.4	0.4	0.4	0	0	0	0.2	0	0.4	0.4
	0	0	1	1	1	0.4	0.4	0.4	0.4	0	1	0.2	0	0.4	0.6
2	0	1	0	1	1	0.4	0.4	0.6	0.4	0	1	0.2	0	0.4	0.6
	0	1	1	1	1	0.4	0.6	0.6	1.2	1	0	0.2	0	0.4	0.6
	1	0	0	1	1	0.4	0.6	0.6	0.4	0	1	0.2	0	0.6	0.6
	1	0	1	1	1	0.6	0.6	0.6	1.2	1	0	0.2	0	0.6	0.6
	1	1	0	1	1	0.6	0.6	0.6	1.2	1	0	0.2	0	0.6	0.6
	1	1	1	1	1	0.6	0.6	0.6	1.8	1	0	0.2	0	0.6	0.6
	0	0	0	0	0	0.6	0.6	0.6	0	0	0	0.2	0	0.6	0.6
	0	0	1	1	1	0.6	0.6	0.6	0.6	1	0	0.2	0	0.6	0.6
	0	1	0	1	1	0.6	0.6	0.6	0.6	1	0	0.2	0	0.6	0.6
	0	1	1	1	1	0.6	0.6	0.6	1.2	1	0	0.2	0	0.6	0.6
3	1	0	0	0	1	0.6	0.6	0.6	0.6	1	0	0.2	0	0.6	0.6
	1	0	1	1	1	0.6	0.6	0.6	1.2	1	0	0.2	0	0.6	0.6
	1	1	0	1	1	0.6	0.6	0.6	1.2	1	0	0.2	0	0.6	0.6
	1	1	1	1	1	0.6	0.6	0.6	1.8	1	0	0.2	0	0.6	0.6
	1	1	1	1	1	0.6	0.6	0.6	1.8	1	0	0.2	0	0.6	0.6
	1	1	1	1	1	0.6	0.6	0.6	1.8	1	0	0.2	0	0.6	0.6
	1	1	1	1	1	0.6	0.6	0.6	1.8	1	0	0.2	0	0.6	0.6
	1	1	1	1	1	0.6	0.6	0.6	1.8	1	0	0.2	0	0.6	0.6
	1	1	1	1	1	0.6	0.6	0.6	1.8	1	0	0.2	0	0.6	0.6
	1	1	1	1	1	0.6	0.6	0.6	1.8	1	0	0.2	0	0.6	0.6

NOR GATE															
S	X1	X2	X3	Z	W1I	W2I	W3I	K	Y	D	LEARNING R	BIAS	W1F	W2F	W3F
1	0	0	0	1	0.2	0.2	0.2	0.2	0.8	1	0	0.2	0.8	0.2	0.2
	0	0	1	0	0.2	0.2	0.2	0.2	1	1	-1	0.2	0.8	0.2	0
	0	1	0	0	0.2	0.2	0	1	1	1	-1	0.2	0.8	0.2	0
	0	1	1	0	0.2	0	0	0.8	1	1	-1	0.2	0.8	0.2	-0.2
	1	0	0	0	0.2	-0.2	-0.2	1	1	1	-1	0.2	0.8	0	-0.2
	1	0	1	0	0	-0.2	-0.2	0.6	1	1	-1	0.2	0.8	-0.2	-0.4
	1	1	0	0	-0.2	-0.2	-0.4	0.4	0	0	0	0.2	0.8	-0.2	-0.4
	1	1	1	1	0	-0.2	-0.2	-0.4	0	0	0	0.2	0.8	-0.2	-0.4
	0	0	0	1	-0.2	-0.2	-0.4	0.8	1	0	0	0.2	0.8	-0.2	-0.4
	0	0	1	0	-0.2	-0.2	-0.4	0.4	0	0	0	0.2	0.8	-0.2	-0.4
2	0	1	0	0	-0.2	-0.2	-0.4	0.6	1	-1	0.2	0.8	-0.2	-0.4	-0.4
	0	1	1	0	-0.2	-0.4	-0.4	0	0	0	0.2	0.8	-0.2	-0.4	-0.4
	1	0	0	0	-0.2	-0.4	-0.4	0.6	1	-1	0.2	0.8	-0.4	-0.4	-0.4
	1	0	1	0	-0.4	-0.4	-0.4	0	0	0	0.2	0.8	-0.4	-0.4	-0.4
	1	1	0	0	-0.4	-0.4	-0.4	0	0	0	0.2	0.8	-0.4	-0.4	-0.4
	1	1	1	0	-0.4	-0.4	-0.4	-0.4	0	0	0	0.2	0.8	-0.4	-0.4
	0	0	0	1	-0.4	-0.4	-0.4	0.8	1	0	0.2	0.8	-0.4	-0.4	-0.4
	0	0	1	0	-0.4	-0.4	-0.4	0.4	0	0	0.2	0.8	-0.4	-0.4	-0.4
	0	1	0	0	-0.4	-0.4	-0.4	0.4	0	0	0.2	0.8	-0.4	-0.4	-0.4
	0	1	1	0	-0.4	-0.4	-0.4	0	0	0	0.2	0.8	-0.4	-0.4	-0.4
3	1	0	0	0	-0.4	-0.4	-0.4	0.4	0	0	0.2	0.8	-0.4	-0.4	-0.4
	1	0	1	0	-0.4	-0.4	-0.4	0	0	0	0.2	0.8	-0.4	-0.4	-0.4
	1	1	0	0	-0.4	-0.4	-0.4	0	0	0	0.2	0.8	-0.4	-0.4	-0.4
	1	1	1	0	-0.4	-0.4	-0.4	0	0	0	0.2	0.8	-0.4	-0.4	-0.4
	1	1	1	1	0	-0.4	-0.4	-0.4	-0.4	0	0	0.2	0.8	-0.4	-0.4