

CS 472 Perceptron HW

Evan Nuss

$C=1$

Initial weights all 1.

Training Set:

1 0 1 \rightarrow 0

1 1 0 \rightarrow 0

1 0 1 \rightarrow 1

0 1 1 \rightarrow 1

$$\Delta W_i = C(t-z)x_i$$

Pattern	Target	Weight Vector	Net	Output	ΔW
1 0 1 1	0	1 1 1 1	3	1	-1 0 -1 -1
1 1 0 1	0	0 1 0 0	1	1	-1 -1 0 -1
1 0 1 1	1	-1 0 0 -1	-2	0	1 0 1 1
0 1 1 1	1	0 0 1 0	1	1	0 0 0 0