

CS 6673 spring 2009

Assignment 3, Solution

Initialize the weights and bias to zero, in 22 steps we obtain the following results:

step	W_1	W_2	W_3	b
0	0	0	0	0
1	1	1	1	1
2	1	1	1	1
3	1	1	1	1
4	0	0	2	2
5	-1	1	3	1
6	-2	2	2	0
7	-2	2	2	0
8	-1	3	1	1
9	-1	3	1	1
10	-2	2	2	2
11	-2	2	2	2
12	-3	3	1	1
13	-3	3	1	1
14	-2	4	0	2
15	-2	4	0	2
16	-3	3	1	3
17	-3	3	1	3
18	-3	3	1	3
19	-3	3	1	3
20	-3	3	1	3
21	-3	3	1	3
22	-3	3	1	3