Introduction to Neuroinformatics **HS 2018**
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Lecture 12
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Solution 12.1: The Perceptron Learning Algorithm

x_1	x_2	desired output	current output	w_1	w_2	w_3
1	0	**1**	**0**	–0.4	0.5	–0.4
0	1	1	1	–0.1	0.5	–0.1
1	1	1	1			
0	0	0	0			
1	0	**1**	**0**			
0	1	1	1	0.2	0.5	0.2
1	1	1	1			
0	0	**0**	**1**			
1	0	1	1	0.2	0.5	–0.1
0	1	1	1			
1	1	1	1			
0	0	0	0			

The Perceptron learned the OR function.