Perceptron based learning

- Linear separation example: $S\{(0,2),1),((1,1),1),((1,2.5),1),((2,0),0),((3,0.5),0)\}$
- Update rule:

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$$w_i = w_i + (c - o)x_i$$

round	w _o	W_1	W ₂	Input	$\sum w_i x_i$	О	С	W_0	W_1	W ₂
init								0	0	0
1	0	0	0	(1,0,2)	0	0	1	1	0	2
2	1	0	2	(1,1,1)	5	1	1	1	0	2
3	1	0	2	(1,1,2.5)	6	1	1	1	0	2
4	1	0	2	(1,2,0)	1	1	0	0	-2	2
5	0	-2	2	(1,3,0.5)	-5	0	0	0	-2	2
6	0	-2	2	(1,0,2)	4	1	1	0	-2	2
7	0	-2	2	(1,1,1)	0	0	1	1	-1	3