

n	w_0	w_1	w_2	w_3	w_4	$y = b_0w_0 + b_1w_1 + b_2w_2 + b_3w_3$
0	1	0	0	0	0	b_0
1	0	1	0	0	0	b_1
2	0	0	1	0	0	b_2
3	0	0	0	1	0	b_3
4	1	0	0	0	1	b_0
5	0	1	0	0	0	b_1
6	0	0	1	0	0	b_2
7	0	0	0	1	0	b_3