

Multi-Layer Perceptron (MLP)

☐ Hide Answers

v2

Input Layer

X1	X2
3	-1
1	1
1	2
1	2

Hidden Layer 1

W1		b1				↓	↓	ReLU		
1	0	-1	1	1	→	4	0	~	4	0
0	1	1	0	1	→	3	4	~	3	4
1	-1	0	0	0	→	2	-2	~	2	0
									1	1

Hidden Layer 2

W2	b2									
0	-1	2	1	→	2	-3	~	2	0	
-1	1	0	2	→	1	6	~	1	6	
0	1	1	1	→	6	5	~	6	5	
-1	0	0	3	→	-1	3	~	0	3	
									1	1

Hidden Layer 3

W3	b3									
0	-1	-1	2	5	→	-2	0	~	0	0
-1	1	1	0	2	→	7	13	~	7	13
-1	0	1	0	3	→	7	8	~	7	8
									1	1

Output Layer

W4	b4									
-1	1	-1	-2	→	-2	3	~	0.12	0.95	
									Y1	Y2

