

个人介绍

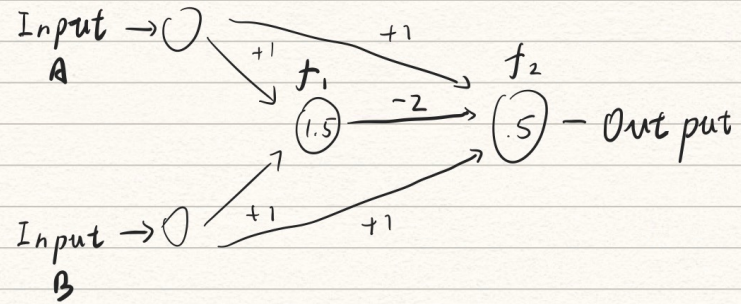


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Homework 06



① $A=0, B=0$

$$1 \cdot A + 1 \cdot B = 0 < 1.5$$

$$\therefore f_1(0) = 0$$

$$1 \cdot A + 1 \cdot B + (-2) \cdot 0 = 0 < 0.5$$

$$f_2(0) = 0$$

② $A=1, B=0$

$$1 \cdot A + 1 \cdot B = 1 < 1.5$$

$$f_1(1) = 0$$

$$1 \cdot A + 1 \cdot B + (-2) \cdot 0 = 1 > 0.5$$

$$f_2(1) = 1$$

\Rightarrow

A	B	Out
0	0	0
0	1	1
1	0	1
1	1	0

③ $A=0, B=1$

$$1 \cdot A + 1 \cdot B = 1 < 1.5$$

$$f_1(1) = 0$$

$$1 \cdot A + 1 \cdot B + (-2) \cdot 0 = 1 > 0.5$$

$$f_2(1) = 1$$

④ $A=1, B=1$

$$1 \cdot A + 1 \cdot B = 2 > 1.5$$

$$f_1(2) = 1$$

$$1 \cdot A + 1 \cdot B + (-2) \cdot 1 = 0 < 0.5$$

$$f_2(0) = 0$$