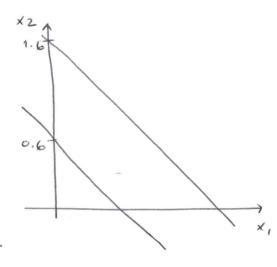


$$\phi(x) = \begin{cases} 1 & x > 0 \\ 0 & x \leq 0 \end{cases}$$

$$J_1 = \phi(x_1 + x_2 - 0.6)$$

$$J_2 = \phi(x_1 + x_2 - 1.6)$$

$$J_3 = \phi(y_1 - y_2 + 0)$$



×,	XZ	7 1	72	73
0	0	0	0	0
0	1	1	0	1
1	0	1	0	1
1	1	1	1	0
0.5	0.5	1	0	0

DECISION Surface

- ① $X_1 + X_2 0.6 > 0$ (=) $X_2 > X_1 + 0.6 = P$ (class) 1 $X_2 \le - X_1 + 0.6 = P$ (class) 0
- ② $X_1 + X_2 1.6 > 0$ (class) 1 $X_2 \le -X_1 + 1.6 \Rightarrow (class) 0$

(3)
$$y_1 - y_2 - 0 > 0$$
 (E) $y_1 > y_2 \implies (class) \perp$

$$\Rightarrow y_1 \leq y_2 \implies (class) = 0$$



