

[4].

), (

[6-9].
[1,10]

:
j, i j (... i j i j), i-

[1].
() [1,11,12]

k

[13].

[14].

[15],

[14].

3.

4.

$$\begin{aligned}
 X &= \{x_i\}, \quad i = \overline{1, n}, \\
 x_i &\in X, \\
 K(x_i) &= \langle k_j(x_i) \rangle, \quad j = \overline{1, m}.
 \end{aligned}$$

$$\begin{aligned}
 B &= \{b_l\}, \quad l = \overline{1, L} \\
 x_i &\in X.
 \end{aligned}$$

$$b_5 \succ b_4 \succ b_3 \succ b_2 \succ b_1.$$

$$B = \{b_1, b_2, b_3, b_4, b_5\}.$$

$$X = \{x_1, x_2, \dots, x_n\},$$

$$B = \{b_l\}, \quad l = \overline{1, L}.$$

$$x_i \in X,$$

$$K(x_i) = \langle k_j(x_i) \rangle, \quad j = \overline{1, m}.$$

[16],

$$b_1 = \{x_1^{b_1}, x_2^{b_1}, \dots, x_{n_1}^{b_1}\}, \quad b_2 = \{x_1^{b_2}, x_2^{b_2}, \dots, x_{n_2}^{b_2}\}, \quad \dots, \quad b_L = \{x_1^{b_L}, x_2^{b_L}, \dots, x_{n_L}^{b_L}\},$$

$$\bigcup_{l=1}^L b_l = X, \quad \bigcap_{l=1}^L b_l = \emptyset.$$

()

[17]

() $x_i \in X, \quad i = \overline{1, n},$

$$P(x_i) = F[K(x_i)],$$

: $x_t, x_r \in X \quad x_t \succ x_r,$

$$P(x_t) > P(x_r).$$

, . . .

$$b_1 \prec b_2 \prec \dots \prec b_L,$$

$$P(x_{i_1}^{b_1}) < P(x_{i_2}^{b_2}) < \dots < P(x_{i_L}^{b_L}),$$

$$\forall x_{i_1}^{b_1} \in b_1, i_1 \in I_{n_1}; \forall x_{i_2}^{b_2} \in b_2, i_2 \in I_{n_2}; \dots; \forall x_{i_L}^{b_L} \in b_L, i_L \in I_{n_L}.$$

:

$$P(x^{b_1}) < P(x_{i_1}^{b_1}) < P(x^{b_1}) < P(x^{b_2}) < P(x_{i_2}^{b_2}) < P(x^{b_2}) < \dots$$

$$\dots < P(x^{b_L}) < P(x_{i_L}^{b_L}) < P(x^{b_L}),$$

(1)

$$i_1 = \overline{1, n_1}, \quad i_2 = \overline{1, n_2}, \quad i_L = \overline{1, n_L}; \quad \forall x_{i_l}^{b_l} \neq x^{b_l}, \quad \forall x_{i_l}^{b_l} \neq x^{b_l}, \quad l = \overline{1, L},$$

$$x^{b_l}, \quad x^{b_l} -$$

$$b_l, \quad l = \overline{1, L}.$$

(1)

:

$$P(x^{b_1}) - P(x^{b_1}) < 0;$$

$$P(x^{b_1}) - P(x_{i_1}^{b_1}) < 0, \quad i_1 = \overline{1, n_1};$$

$$\begin{aligned}
 &P(x_{i_1}^{b_1}) - P(x^{b_1}) < 0, \quad i_1 = \overline{1, n_1}; \\
 &P(x^{b_1}) - P(x^{b_2}) < 0 \frac{1}{2}; \\
 &P(x^{b_2}) - P(x^{b_2}) < 0; \\
 &P(x^{b_2}) - P(x_{i_1}^{b_2}) < 0, \quad i_2 = \overline{1, n_2}; \\
 &P(x_{i_1}^{b_2}) - P(x^{b_2}) < 0, \quad i_2 = \overline{1, n_2}; \\
 &P(x^{b_2}) - P(x^{b_3}) < 0; \\
 &P(x^{b_L}) - P(x^{b_L}) < 0; \\
 &\forall x_{i_l}^{b_l} \neq x^{b_l}, \quad \forall x_{i_l}^{b_l} \neq x^{b_l}, \quad l = \overline{1, L},
 \end{aligned}
 \tag{2}$$

$$P(x_i), \quad x_i \in X.$$

[18]

$$P(x_i) = \sum_{j=1}^m a_j k_j(x_i) + \sum_{j=1}^m \sum_{q=1}^m a_{jq} k_j(x_i) k_q(x_i) + \dots, \tag{3}$$

$$k_j(x_i) - \dots, \tag{3}$$

[19].

$$a_j, \quad a_{jq}, \quad \dots$$

$$P(x_i) = \sum_{j=1}^s a_j k_j(x_i), \quad i = \overline{1, n},$$

$$a_j - \dots,$$

$$0 \leq a_j \leq 1, \quad \forall j = \overline{1, m}, \quad \sum_{j=1}^m a_j = 1; \quad k_j(x_i) - \dots,$$

$$k_j(x_i) - \dots,$$

5). $k_j^x(x_i)$ j-
 $k_j(x_i) - \Gamma_i,$

$$k_j(x_i) - \Gamma_i, \quad k_j(x_i) \quad (3)$$

$$(2), \quad P(x_i) \quad (2)$$

5.

$$P(x_i) \quad x_i \in X \quad b_l,$$

$$l = \overline{1, L} \quad P(x^{b_l}) \leq P(x_i) \leq P(x^{b_l}).$$

[20].

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