

$$\begin{array}{c} F_0 \\ ?? \\ ?? \\ F_1 \\ F_2 \\ F_3 \\ F_1 \\ F_2 \\ F_3 \\ F_1 \\ F_2 \\ F_3 \\ X_1 \\ X_2 \\ X_3 \\ X_4 \\ ??_{program\_parameters} \end{array}$$

$$\begin{array}{c} ?? \\ ?? \\ ?? \\ X_1 \\ X_2 \\ X_3 \\ X_4 \\ ?? \end{array}$$

$$\begin{array}{c} X_1 \\ X_2 \\ X_3 \\ X_4 \end{array}$$

$$R=\sum_{i=1}^nR_i=Nn(n+1)2=105$$

$$(1) \, n_N$$

$$T=1n\sum_{i,j}R_{ij}=24.5$$

$$(2)$$

$$(3) \, \Delta_i=R_i-Ti=1\ldots n$$

$$0$$

$$S=\sum_{i=1}^N\Delta^2=35$$

$$(4)$$

$$W=12\cdot SN^2(n^3-n)$$

$$(5) \, \begin{array}{c} 0.67 \\ ?? \\ \vdots \\ i \\ j \\ a_{ij} \end{array}$$

$$a_{ij}=\begin{cases} 1.5,X_i>X_j \\ 1.0,X_i=X_j \\ 0.5,X_i<X_j \end{cases}$$

$$(6) \, \begin{array}{c} A= \\ ||a_{ij}|| \\ K^{(i)} \end{array}$$

$$K^{(i)}=b_i\sum_{j=1}^nb_j,b_i=\sum_{j=1}^na_{ij}$$

$$(7) \, 2\%$$

$$K^{(i)}=b_i'\sum_{j=1}^nb_j',b_i'=\sum_{j=1}^na_{ij}\cdot b_j$$

$$(8)$$

$$\begin{array}{c} ?? \\ 2\% \\ X_i \\ X_1 \\ X_2 \\ X_3 \end{array}$$