$$= \frac{1}{100} \left[\frac{c_1}{c_1} + \frac{c_2}{c_2} \right]$$

 $\frac{d_{12}C_{2}}{d_{11}C_{1}+d_{12}C_{2}}$ $\frac{d_{22}C_{L}}{d_{21}C_{1}+d_{22}C_{L}}$ $- \star T_{n_i} = \int \frac{d_{11}C_1}{d_{11}C_1 + d_{12}C_2} \frac{d_{11}C_1}{d_{21}C_1 + d_{22}C_2}$ $= \begin{bmatrix} \pi_{11} & \pi_{12} \\ \pi_{21} & \pi_{22} \end{bmatrix}$

$$\frac{1}{\sqrt{k}} = \frac{\left(\begin{array}{c} Y_{1}^{11} & Y_{1}^{21} \\ Y_{2}^{11} & Y_{2}^{21} \end{array} \right)}{\left(\begin{array}{c} Y_{1}^{12} & Y_{1}^{21} \\ Y_{2}^{11} & Y_{2}^{21} \end{array} \right)} (n-k-j) \\
= \frac{1}{\sqrt{k}} = \frac{1$$

$$C_{i}^{2} = \begin{bmatrix} C_{i}^{\prime} & C_{i}^{\prime} \\ C_{i}^{\prime} & C_{i}^{\prime} \end{bmatrix} \begin{bmatrix} i-j \\ N-J \end{bmatrix}$$

$$d_{ni}^{3} = \begin{bmatrix} d_{ni}^{\prime} & d_{ni}^{\prime} \\ d_{ni}^{\prime} & d_{ni}^{\prime} \end{bmatrix} \begin{bmatrix} d_{ni}^{\prime} & d_{ni}^{\prime} \\ d_{ni}^{\prime} & d_{ni}^{\prime} \end{bmatrix} \begin{bmatrix} N-N-J \end{bmatrix}$$

$$C_{i}^{3} = \begin{bmatrix} i \\ 2 \end{bmatrix} \xrightarrow{\text{reshope}} \underbrace{1} \underbrace{i} \underbrace{j} \begin{bmatrix} d_{ni}^{\prime} & d_{ni}^{\prime} \\ d_{ni}^{\prime} & d_{ni}^{\prime} \end{bmatrix} \begin{bmatrix} N-N-J \end{bmatrix}$$

$$\begin{bmatrix} C_{i}^{\prime} & C_{i}^{\prime} \end{bmatrix} \cdot \underbrace{\begin{bmatrix} d_{ni}^{\prime} & d_{ni}^{\prime} \\ d_{ni}^{\prime} & d_{ni}^{\prime} \end{bmatrix}} \begin{bmatrix} N-N-J \end{bmatrix}$$

$$\begin{bmatrix} C_{i}^{\prime} & C_{i}^{\prime} \end{bmatrix} \cdot \underbrace{\begin{bmatrix} d_{ni}^{\prime} & d_{ni}^{\prime} \\ d_{ni}^{\prime} & d_{ni}^{\prime} \end{bmatrix}} \begin{bmatrix} N-N-J \end{bmatrix}$$

$$\begin{array}{c} \begin{bmatrix} 1 - N - J \end{bmatrix} \\ \text{calculate } \pi_{ni} \\ \Rightarrow \\ \begin{bmatrix} \pi_{11} & \pi_{12} \\ \pi_{21} & \pi_{22} \end{bmatrix} \\ \begin{bmatrix} \pi_{11} & \pi_{12} \\ \pi_{22} & \pi_{22} \end{bmatrix} \end{array}$$