$$p(a_{1}n_{2}) = a_{1}^{2} + 2a_{2}^{2}i + a_{1}a_{2} - x_{1}$$

$$+ \lambda_{1}(\alpha_{1} - 2n_{2} - u_{1})$$

$$+ \lambda_{2}(\alpha_{1} + 4n_{2} - u_{2})$$

$$+ \lambda_{3}(5a_{1} - 76a_{2} - 1)$$

$$+ \lambda_{3}(5a_{1} - 76a_{2} - 1)$$

$$\frac{\lambda_{1}}{\lambda_{3}} = 0$$

$$\frac{\lambda_{1}}{\lambda_{3}} = 0$$

$$\frac{\lambda_{2}}{\lambda_{1}} = 0$$

$$\frac{\lambda_{1}}{\lambda_{2}} = 0$$

$$\frac{\lambda_{2}}{\lambda_{3}} = 0$$

$$\frac{\lambda_{1}}{\lambda_{2}} = 0$$

$$\frac$$

$$P(2) = \sqrt{q} + c \times + \lambda (Ax - b)$$

$$\Rightarrow 2 \left[\begin{array}{c} 1 & -0.5 \\ -0.5 & 2 \end{array} \right] \left(\begin{array}{c} n_1 \\ n_2 \end{array} \right) + \left(\begin{array}{c} -1 \\ 0 \end{array} \right) + \left($$

$$\begin{pmatrix} 1 & 1 & 5 \\ -2 & 4 & -76 \end{pmatrix} \begin{pmatrix} \lambda_1 \\ \lambda_2 \\ \lambda_3 \end{pmatrix} = \begin{pmatrix} 0 \\ 0 \end{pmatrix}$$

$$\Rightarrow 2\alpha_1 - \alpha_2 - 1 + \lambda_1 + \lambda_2 + 5\lambda_3 = 0 \rightarrow 0$$

$$\Rightarrow 2x_1 - x_2 - 7$$

$$\Rightarrow -x_1 + 4x_2 - 2x_1 + 4x_2 - 76x_3 = 0$$

$$\chi_{1}^{*} = -2.33$$
 $\chi_{2}^{*} = -0.1667$
 $\chi_{2}^{*} = -0.1667$
 $\chi_{3}^{*} = 0.0675$

To verify the relation ship Consider (1): タルースュイナートースルートンノーライ3 & Computing LHK 5.49 * Computing RHS $-\lambda_1 - \lambda_2 - 5\lambda_3 = -5.4975$: We can see than LHS = RHS Hence the values au correct