

Lagrange function 1

 $\frac{\partial y}{\partial rb} = p + mi + ms = -1$

$$L_{p} = \frac{1}{2}b^{2} + \frac{1}{2}w_{1}^{2} + \frac{1}{2}w_{2}^{2} - \frac{1}{2}w_{2}^{2} - \frac{1}{2}w_{1}^{2} + \frac{1}{2}w_{1}^{2} - \frac{1}{2}w_{2}^{2} - \frac{1}{2}w_{1}^{2} - \frac{1}{2}$$

$$\frac{\partial LP}{\partial WL} = W1 + \lambda_1 + \lambda_2 + \lambda_3 - 3\lambda_4 = 0$$

$$\frac{\partial LP}{\partial WL} = W2 + \lambda_1 + \lambda_2 + \lambda_3 - 3\lambda_4 = 0$$

$$\frac{\partial LP}{\partial LP} = D + \lambda_1 + \lambda_2 + \lambda_3 - \lambda_4 = 0$$

$$\frac{\partial LP}{\partial LP} = D + \lambda_1 + \lambda_2 + \lambda_3 - \lambda_4 = 0$$

$$\frac{\partial LP}{\partial LP} = \frac{1}{2} D + \frac{1}{2}$$

$$\frac{\partial L\rho}{\partial \lambda_{2}} = b + \lambda w_{1} + w_{2} = -1 \qquad 6 \qquad w_{1}$$

$$\frac{\partial L\rho}{\partial \lambda_{3}} = b + w_{1} + 2w_{2} = -1 \qquad 6 \qquad \lambda_{1}$$

$$\frac{\partial L\rho}{\partial \lambda_{3}} = b + 3w_{1} + 3w_{2} = 1 \qquad 7 \qquad \lambda_{2}$$

$$\frac{\partial L\rho}{\partial \lambda_{4}} = b + 3w_{1} + 3w_{2} = 1 \qquad 7 \qquad \lambda_{4}$$

$$\frac{\partial L\rho}{\partial \lambda_{5}} = b + 3w_{1} + 3w_{2} = 1 \qquad 7 \qquad \lambda_{4}$$

$$\frac{\partial L\rho}{\partial \lambda_{5}} = b + w_{1} + 2w_{2} = -1 \qquad 6 \qquad \lambda_{5}$$

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$$\frac{\partial$$

$$x = A \cdot b = \begin{bmatrix} w_1 = 0.5 \\ w_2 = 0.5 \end{bmatrix}$$

 $b = -2.4$

Sude inverse

AT. A

MIX14 MSX5 49=0

 $0.5x_1 + 0.5x_2 - 2.4 = 0$

(a) 4,4 $= 0.5 \times 4 + 0.5 \times 4 = 1.6 > 0 (+1)$

 $\bigcirc 0,0 \rightarrow 0 + 0 - 2.4 < 0 < 1012 (-1)$

$$A \times = 6$$

$$X = A + b$$

$$A \times A \times A \times A$$

$$A \times A \times$$

$$A = (A^{7}.A).A^{7}$$

$$dxd dxn$$

$$\rightarrow$$
 class B: 10 TP 90 FP $TP + FP$

Mácr - Average - Pr =
$$\frac{0.5 + 0.1 + 0.5 + 0.5}{4} = 0.4$$

Micro - Avorage
$$-Pr = \frac{1+10+1+1}{13} = \frac{13}{100}$$

Weighted Averagy =
$$0.5 \times \frac{2}{106} + 0.1 \times \frac{100}{106} + 0.5 \times \frac{2}{106} + 0.5 \times \frac{2}{106}$$







