

protein :

$$p_1 x_1 + p_2 x_2 \geq \underline{P}$$

$$-p_1 x_1 - p_2 x_2 \leq -\underline{P}$$

lemak
dan

$$l_1 x_1 + l_2 x_2 \leq L$$

$$P x_1 + Q x_2 \leq R$$

Minimisasi

$$J(x) = P x_1 + Q x_2 = \underbrace{[P \quad Q]}_{C^T} \underbrace{\begin{bmatrix} x_1 \\ x_2 \end{bmatrix}}_x$$

Subject To.

$$\underbrace{\begin{bmatrix} -k_1 & -k_2 \\ -p_1 & -p_2 \\ l_1 & l_2 \\ P & Q \end{bmatrix}}_A \underbrace{\begin{bmatrix} x_1 \\ x_2 \end{bmatrix}}_x \leq \underbrace{\begin{bmatrix} -K \\ -P \\ L \\ R \end{bmatrix}}_b$$