

システム計画論 第 8 回 課題

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$$\begin{aligned} & \text{maximize} \quad \min(\text{Nes}(c_1x_1 + c_2x_2 \geq 450), \text{Pos}(c_1x_1 + c_2x_2 \geq 530)), \\ & \text{subject to} \quad \text{Nes}(a_1x_1 + b_1x_2 \leq 240) \geq 0.8, \\ & \quad \text{Nes}(a_2x_1 + b_2x_2 \leq 400) \geq 0.8, \\ & \quad \text{Nes}(a_3x_1 + b_3x_2 \leq 210) \geq 0.8, \\ & \quad x_1, x_2 \geq 0. \end{aligned} \tag{1}$$

$$\tilde{A}_1 = \langle 2, 0.7 \rangle \tag{2}$$

$$\tilde{A}_2 = \langle 4, 1.5 \rangle \tag{3}$$

$$\tilde{A}_3 = \langle 1, 0.5 \rangle \tag{4}$$

$$\tilde{B}_1 = \langle 3, 0.5 \rangle \tag{5}$$

$$\tilde{B}_2 = \langle 2, 0.3 \rangle \tag{6}$$

$$\tilde{B}_3 = \langle 3, 0.3 \rangle \tag{7}$$

$$\tilde{B}_1 = \langle 5, 1 \rangle \tag{8}$$

$$\tilde{B}_1 = \langle 7, 0.7 \rangle \tag{9}$$

$$\tag{10}$$