Optimization in Computer Networks

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1 Problem 1

$$\max_{x} \quad \sum_{i=1}^{3} x_{i}$$
 s.t.
$$x_{1} \leq 20$$

$$x_{1} + x_{2} \leq 30$$

$$x_{2} \leq 20$$

$$x_{2} + x_{3} \leq 30$$

$$x_{3} \leq 25$$

$$(1.1)$$

1.1 Heading on Level 2 (Subsection)

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$$A = \begin{bmatrix} A_{11} & A_{21} \\ A_{21} & A_{22} \end{bmatrix} \tag{1.2}$$

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1.1.1 HEADING ON LEVEL 3 (SUBSUBSECTION)

HEADING ON LEVEL 4 (PARAGRAPH)