

Example of integer programming cont

In summary, we find the following *BIP*:

$$\begin{aligned} f &= 9x_1 + 5x_2 + 6x_3 + 4x_4, && \text{maximise} && (1) \\ 6x_1 + 3x_2 + 5x_3 + 2x_4 &\leq 10 \\ x_3 + x_4 &\leq 1 \\ -x_1 + x_3 &\leq 0 \\ -x_2 + x_4 &\leq 0 \\ x_{1,2,3,4} &\in \{0, 1\}. \end{aligned}$$

Studies In Integer Programming

Clifford Lane



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