Spoken Tutorial, IIT Bombay https://spoken-tutorial.org Scilab - FOSSEE Optimisation Toolbox Integer Linear Programming- Assignment

Solve the following integer linear programming problem $min_x \ 5000x_1 + 5550x_2 + 1000x_3 + 1500x_4$

subject to:

$$\begin{array}{l} 5x_1+7x_2+2x_3\geq 9,\\ 3x_1+2x_2\geq 3,\\ 425x_1+300x_2+50x_3+100x_4\geq 500,\\ 0\leq x_j\leq 1, \ j\in\{1,4\},\\ x_j\in\mathbb{Z}, \ j\in\{1,4\}. \end{array}$$

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