man
$$1.5 \times 1 + 25 \times_2 + 1.5 \times_3 + 2.5 \times_4 + 2.5 \times_5$$

n.t. $15 \le x_1 \le 40$ $10 \le x_2 \le 30$
 $5 \le x_3 \le 45$ $10 \le x_4 \le 30$ $5 \le x_5 \le 45$
 $2x_1 + x_2 + \frac{1}{2}x_3 + x_4 + \frac{1}{2}x_5 \le 40$
 $x_4 + \frac{1}{2}x_5 + \frac{1}{2}x_3 + \frac{1}{2}x_5 \le 40$
 $2 \le y_1 + y_2 + y_3 + y_4 + y_5 \le 4$
 $y_1 \in 40, 1$ $\forall x_1 = 1.5$
 $x_1 \le My_1$
 $x_2 + x_3 - x_4$

$$\left(\frac{1}{2} x_{2} + x_{3} - (x_{4} + x_{5}) \right) = + \\
\left(\frac{x_{4} + x_{5}}{x_{5}} \right) - (x_{2} + x_{3}) \leq 7$$

$$x_{5} \in \mathbb{Z}_{+}$$

Per i valori spuri:

$$2 \le y_1 + y_2 + y_3 + y_4 + y_5 \le 4$$

$$y_i \in \{0,1\} \quad \forall n = 1...5$$

$$x_i \le My_i \quad \text{My costout}$$

$$\{0,1\} \quad \forall x_1 = 1...5$$

$$x_i \le My_i \quad \text{My costout}$$

$$\{0,1\} \quad \forall x_2 + x_3 - (x_4 + x_5) \quad \text{MS} = 1$$

$$(x_4 + x_5) - (x_2 + x_3) \le 7$$

$$x_i \in \mathbb{Z}_+$$

$$1 \quad \text{Velai opin} \quad x_i = 0 \quad \text{con } y_i = 1$$

$$x_i \ge y_i \quad \text{My costout}$$

$$y_1 = 1 \quad y_3 = 1$$

$$x_1 \ge y_i \quad \text{My costout}$$

$$y_1 = 1 \quad y_3 = 1$$

$$x_1 \ge y_i \quad \text{My costout}$$