



$$\begin{array}{ccccccccc}x_1 \geq 1 & x_1 + x_2 \geq 3 & x_1 + x_3 \geq 3 & x_1 + x_4 \geq 3 & x_1 + x_2 \\ & & & & x_1 + x_3 \\ & & & & + x_3 \geq 6 & & & \\ & & & & & & & x_4 \geq 6\end{array}$$