$$Z = 5X_{1} + 12X_{2} + 4V_{3}$$

$$X_{1} + 2X_{2} + X_{3} \leq S$$

$$2X_{1} - X_{2} + 3X_{3} = 2$$

$$\begin{cases}
X_{1} \times_{2} \times_{3} & S_{1} & M & b \\
X_{2} \times_{1} & S_{1} & M & b
\end{cases}$$

$$Z = 1 \quad 0 \quad M = 5$$

$$S_{1} = 1 \quad 0 \quad M = 5$$

$$S_{2} = 1 \quad 0 \quad M = 5$$

$$X_{1} \times_{2} \times_{3} = 0$$

$$X_{2} \times_{3} = 0$$

$$X_{3} = 0$$

$$X_{1} \times_{2} \times_{3} = 0$$

$$X_{2} \times_{3} = 0$$

$$X_{3} = 0$$

$$X_{1} \times_{2} \times_{3} = 0$$

$$X_{2} \times_{3} = 0$$

$$X_{3} = 0$$

$$X_{4} \times_{2} \times_{3} = 0$$

$$X_{5} \times_{2} \times_{3} = 0$$

$$X_{7} \times_{3} \times_{3} = 0$$

$$X_{1} \times_{3} \times_{3} = 0$$

$$X_{2} \times_{3} \times_{3} = 0$$

$$X_{3} = 0$$

$$X_{4} \times_{3} \times_{3} = 0$$

$$X_{5} \times_{3} = 0$$

$$X_{1} \times_{3} \times_{3} = 0$$

$$X_{2} \times_{3} \times_{3} = 0$$

$$X_{3} = 0$$

$$X_{4} \times_{3} \times_{3} = 0$$

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$$X_{7} \times_{3} \times_{3} = 0$$

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$$X_{3} \times_{3} = 0$$

$$X_{4} \times_{3} \times_{3} = 0$$

$$X_{5} \times_{3} = 0$$

$$X_{7} \times_{3} \times_{$$

0 5, 0