$$X_1 = \text{Units of the 1.5 l COLI product to be produced}$$
$$X_2 = \text{Units of the 1.5 l PEPSA product to be produced}$$

$$\begin{aligned}
\text{Maximize} \quad & 4900X_1 - X_1^2 + 30X_2 - 2X_2^2 - 150(40X_1 + 20X_2) \\
\text{Subject to:} \quad & X_1 + X_2 \leq 56800 \\
& X_1 \leq 2X_2 \\
& X_1, X_2 \geq 0
\end{aligned}$$