$$\begin{bmatrix}
y_{i1} \\
y_{i2} \\
y_{i3}
\end{bmatrix} = \begin{bmatrix}
1 & x_{i1} & 0 & 0 & 0 & 0 \\
1 & x_{i1} & 1 & 0 & x_{i1} & 0
\end{bmatrix}$$

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