$$A = \begin{pmatrix} 0 & 2 \\ 0 & 0 \end{pmatrix} \qquad A A^{T} = \begin{pmatrix} 4 & 0 & 0 \\ 0 & 0 & 0 \end{pmatrix} = \beta$$

$$A^{T}A = \begin{pmatrix} 0 & 0 \\ 0 & 4 \end{pmatrix} = C$$

$$\begin{pmatrix}
0 & 0 & 0 & 0 \\
0 & -4 & 0 & 0
\end{pmatrix}
\begin{pmatrix}
\tilde{x}_1 \\
\tilde{x}_2 \\
\tilde{x}_3
\end{pmatrix} = \begin{pmatrix}
0 \\
0 \\
0
\end{pmatrix}$$

$$\begin{pmatrix}
9 & 0 & 0 \\
0 & 0 & 0
\end{pmatrix}
\begin{pmatrix}
\tilde{y}_1 \\
\tilde{y}_2 \\
\tilde{y}_3
\end{pmatrix} = \begin{pmatrix}
0 \\
0 \\
0
\end{pmatrix} = > \tilde{y} = \begin{pmatrix}
0 \\
1 \\
0
\end{pmatrix}$$

=) m, k, x y, t qunor. => \(\frac{7}{2} = \big(0)