① Siendo:
$$t = (2, -1, 5)$$
; $t = (0_2 - 0_1)$; $M_5 = T \cdot L$. para ojustar o uso trace differente

$$M_{5, -1, 5, 2} = M_8 M_7 = \begin{bmatrix} 0 & 0 & 1 & 0 \\ 0 & 1 & 0 & 0 \\ -1 & 0 & 0 & 0 \end{bmatrix} \begin{bmatrix} 1 & 0 & 0 & 2 \\ 0 & 1 & 0 & 1 \\ -1 & 0 & 0 & 2 \end{bmatrix} = \begin{bmatrix} 0 & 0 & 1 & -5 \\ 0 & 1 & 0 & 1 \\ -1 & 0 & 0 & 2 \\ 0 & 0 & 0 & 1 \end{bmatrix}$$

$$M_{5, -1, 5, 2} = M_{5, -1, 5, 2} = \begin{bmatrix} 0 & 0 & 1 & 2 \\ 0 & 1 & 0 & 1 \\ -1 & 0 & 0 & 2 \\ 0 & 0 & 0 & 1 \end{bmatrix} \begin{bmatrix} -3 \\ 6 \\ 2 \\ 1 \end{bmatrix} = \begin{bmatrix} -3 \\ 7 \\ 5 \end{bmatrix}$$

$$M_{5, -1, 5, 2} = \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 0 & 0 & 1 \\ 0 & 0 & 0 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 0 & 1 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}$$

$$M_{5, -1, 5, 2} = \begin{bmatrix} (0.6 - 90 - 59n(-90) & 0 & 0) \\ 0 & 0 & 0 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 0 & 1 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}$$

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$$M_{5, -1, 5, 3} = M_{5, -1$$