$$A = C$$
 $2 \times 3 \times 2 \times 2$
 $CD = \begin{bmatrix} 1 & 3 & 5 \\ -2 & 1 & -1 & 5 \end{bmatrix} = \begin{bmatrix} 0 & 2 & 0 \\ -7 & -5 \end{bmatrix}$

$$(2T_3)A = 2(T_3A) = 2A = \begin{bmatrix} 10 & -2 & 4 \\ -6 & 4 & -10 \\ -4 & 2 & 4 \end{bmatrix}$$

