Crack the Code

Inverse of a 2×2 Matrix

A	The inverse of $\begin{pmatrix} 9 & 2 \\ 4 & 1 \end{pmatrix}$ is $\begin{pmatrix} \Box & -2 \\ -4 & \Box \end{pmatrix}$	В	The inverse of $\begin{pmatrix} 5 & -2 \\ -7 & 3 \end{pmatrix}$ is $\begin{pmatrix} & 2 \\ & 5 \end{pmatrix}$
С	The inverse of $\begin{pmatrix} -2 & -3 \\ 4 & 5 \end{pmatrix}$ is $\begin{pmatrix} 2.5 & 1.5 \\ \Box & \Box \end{pmatrix}$	D	The inverse of $\begin{pmatrix} 6 & -2.5 \\ -7 & 3 \end{pmatrix}$ is $\begin{pmatrix} \boxed{5} \\ \end{pmatrix}$
E	Given that $\mathbf{A} = \begin{pmatrix} -5 & -2 \\ 10 & 3 \end{pmatrix}$ $\mathbf{A}^{-1} = \frac{1}{\Box} \begin{pmatrix} \Box & \Box \\ -10 & -5 \end{pmatrix}$	F	Given that $\mathbf{B} = \begin{pmatrix} -3 & -2 \\ 9 & 7 \end{pmatrix}$ $\mathbf{B}^{-1} = \boxed{1} \begin{pmatrix} -7 & -2 \\ \Box & \Box \end{pmatrix}$
G	The inverse of $\begin{pmatrix} -0.5 & 1.5 \\ 4 & -9 \end{pmatrix}$ is $\begin{pmatrix} \boxed{\frac{8}{3}} & \frac{1}{3} \end{pmatrix}$	Н	The inverse of $\begin{pmatrix} -3 & 4 \\ 1 & 2 \end{pmatrix}$ is $\frac{1}{\Box}\begin{pmatrix} -2 & 4 \\ 1 & \Box \end{pmatrix}$
I	The matrix $\begin{pmatrix} -3 & 4 \\ a & 3 \end{pmatrix}$ is self-inverse. Find the value of a .	J	The matrix $\begin{pmatrix} -9 & -10 \\ a & b \end{pmatrix}$ is self-inverse. Find the values of a and b .
K	Given $\mathbf{A} = \begin{pmatrix} -3 & 1 \\ 0 & -1 \end{pmatrix}$ and $\mathbf{B} = \begin{pmatrix} 2 & 4 \\ -1 & 1 \end{pmatrix}$, $(\mathbf{A}\mathbf{B})^{-1} = \frac{1}{\Box} \begin{pmatrix} -1 & \Box \\ \Box & -7 \end{pmatrix}$	L	Given $\mathbf{A} = \begin{pmatrix} -1 & -3 \\ -2 & 5 \end{pmatrix}$ and $\mathbf{B} = \begin{pmatrix} 5 & -3 \\ 3 & -2 \end{pmatrix}$, $\mathbf{B}^{-1}\mathbf{A}^{-1} = \begin{pmatrix} \Box & \Box \\ \Box & -4 \end{pmatrix}$

To get the three-digit code, add together all the numbers in the boxes.