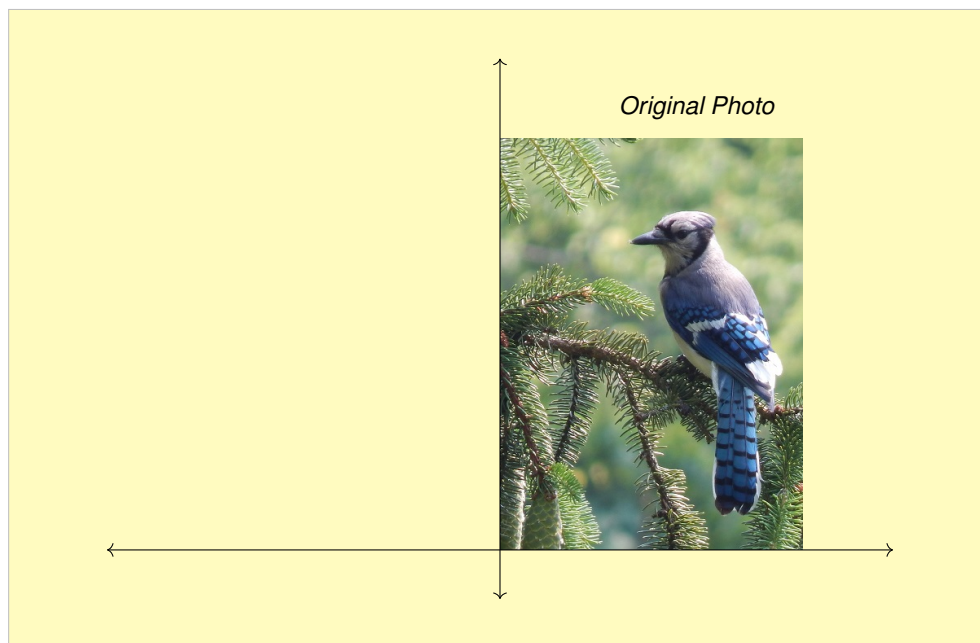

Exercise 1 Let

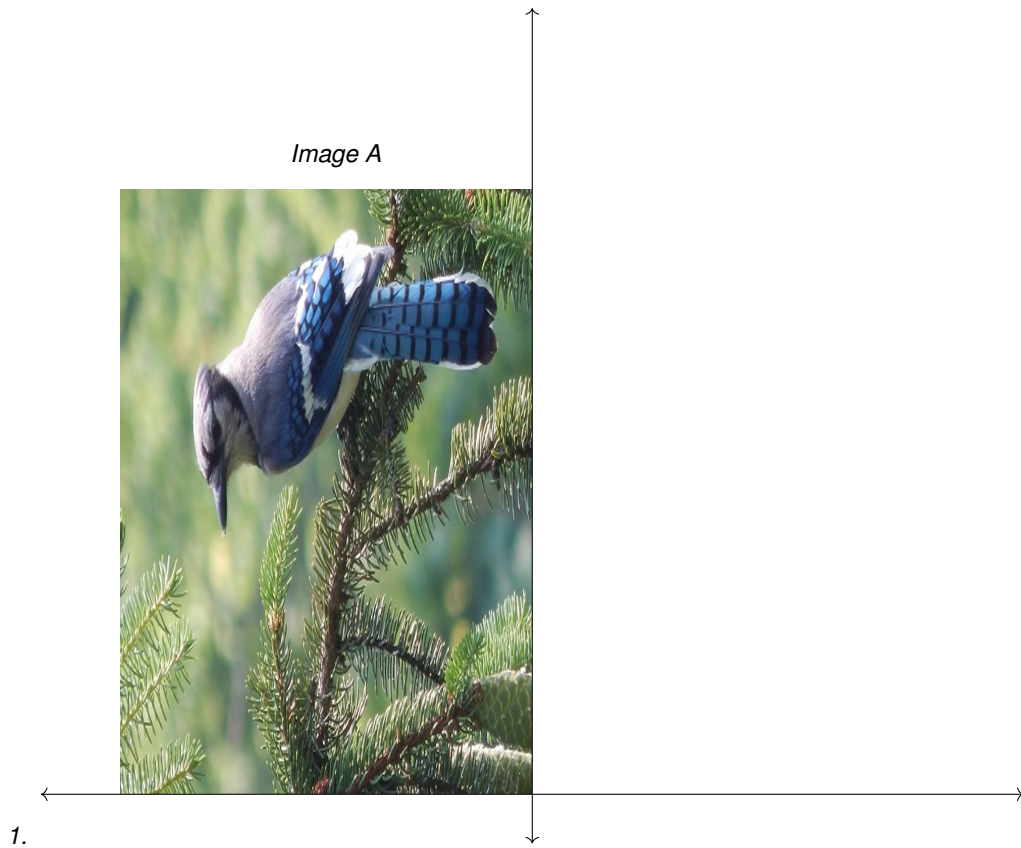
$$M = \begin{bmatrix} 1 & 0 \\ 0 & 2 \end{bmatrix} \begin{bmatrix} 0 & -1 \\ 1 & 0 \end{bmatrix}$$

Consider the linear transformation $T_M : \mathbb{R}^2 \rightarrow \mathbb{R}^2$ induced by M . What is the image of the photograph below under T_M ?



Click on the picture to select the correct image from the four choices below.

Multiple Choice:



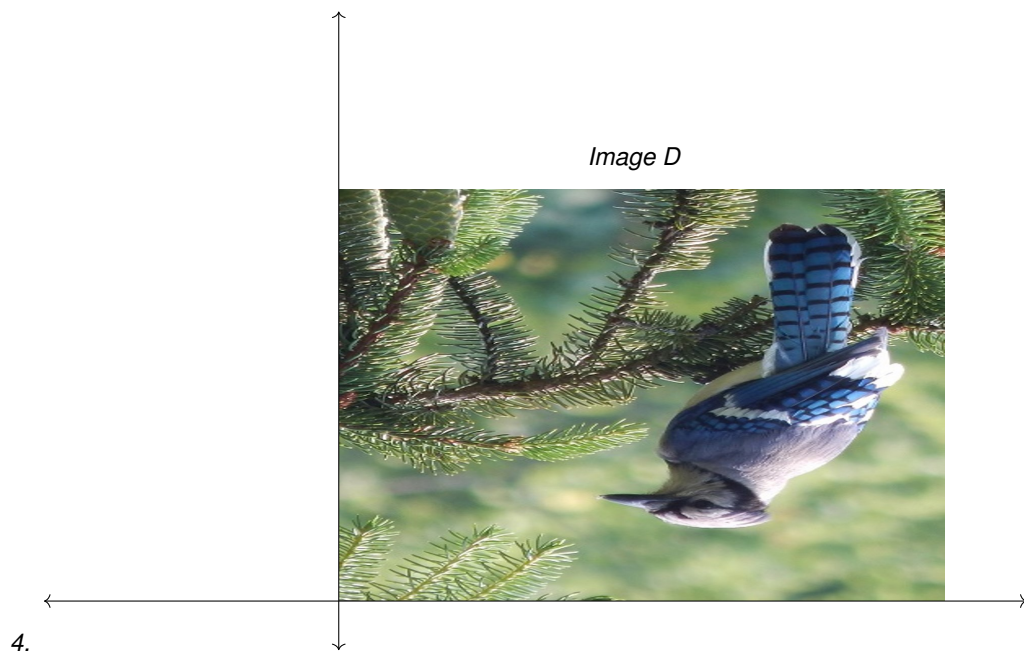


Photo Credit

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