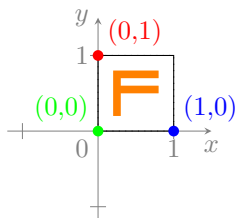


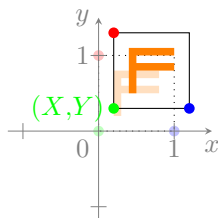
Aucun changement

$$\begin{bmatrix} 1 & 0 & 0 \\ 0 & 1 & 0 \\ 0 & 0 & 1 \end{bmatrix}$$



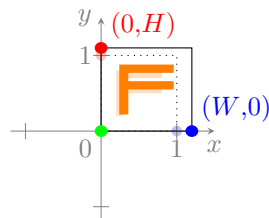
Translation

$$\begin{bmatrix} 1 & 0 & X \\ 0 & 1 & Y \\ 0 & 0 & 1 \end{bmatrix}$$



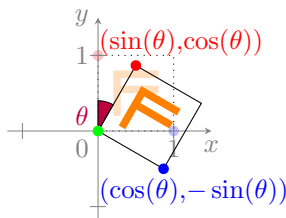
Homothétie selon l'origine

$$\begin{bmatrix} W & 0 & 0 \\ 0 & H & 0 \\ 0 & 0 & 1 \end{bmatrix}$$



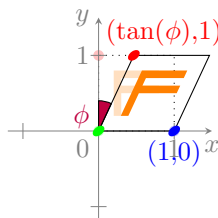
Rotation selon l'origine

$$\begin{bmatrix} \cos(\theta) & \sin(\theta) & 0 \\ -\sin(\theta) & \cos(\theta) & 0 \\ 0 & 0 & 1 \end{bmatrix}$$



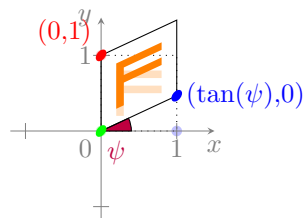
Transvection selon

$$\begin{matrix} \text{l'axe des } x \\ \begin{bmatrix} 1 & \tan(\phi) & 0 \\ 0 & 1 & 0 \\ 0 & 0 & 1 \end{bmatrix} \end{matrix}$$



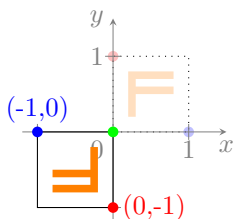
Transvection selon

$$\begin{matrix} \text{l'axe des } y \\ \begin{bmatrix} 1 & 0 & 0 \\ \tan(\psi) & 1 & 0 \\ 0 & 0 & 1 \end{bmatrix} \end{matrix}$$



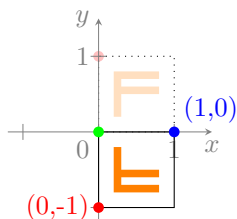
Réflexion selon l'origine

$$\begin{bmatrix} -1 & 0 & 0 \\ 0 & -1 & 0 \\ 0 & 0 & 1 \end{bmatrix}$$



Réflexion selon

$$\begin{matrix} \text{l'axe des } x \\ \begin{bmatrix} 1 & 0 & 0 \\ 0 & -1 & 0 \\ 0 & 0 & 1 \end{bmatrix} \end{matrix}$$



Réflexion selon

$$\begin{matrix} \text{l'axe des } y \\ \begin{bmatrix} -1 & 0 & 0 \\ 0 & 1 & 0 \\ 0 & 0 & 1 \end{bmatrix} \end{matrix}$$

