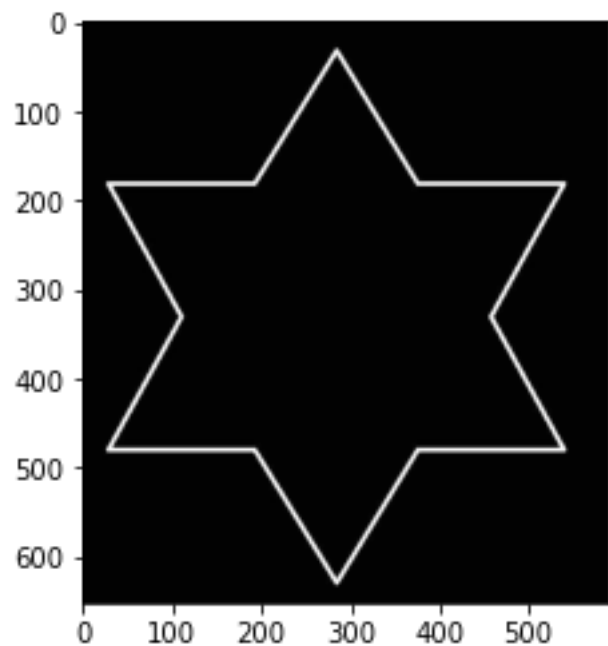
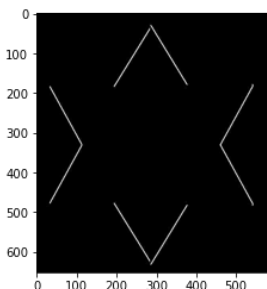


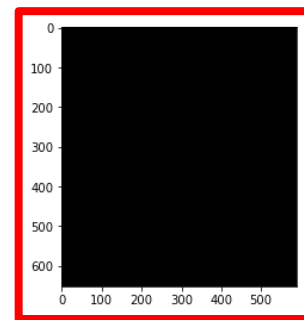
Input Image



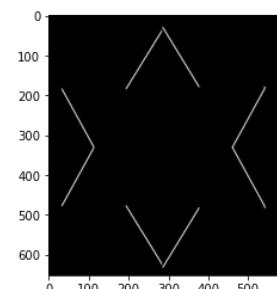
$$\text{Filter} = \begin{bmatrix} 1 & 0 & -1 \\ 1 & 0 & -1 \\ 1 & 0 & -1 \end{bmatrix}$$



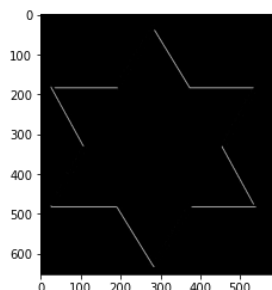
$$\text{Filter}_{\text{sym}} = \begin{bmatrix} 0 & 0 & 0 \\ 0 & 0 & 0 \\ 0 & 0 & 0 \end{bmatrix}$$



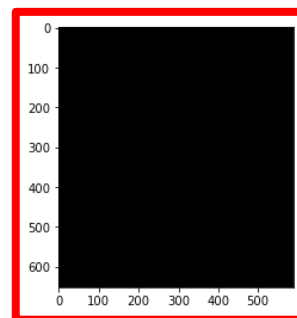
$$\text{Filter}_{\text{anti-sym}} = \begin{bmatrix} 1 & 0 & -1 \\ 1 & 0 & -1 \\ 1 & 0 & -1 \end{bmatrix}$$



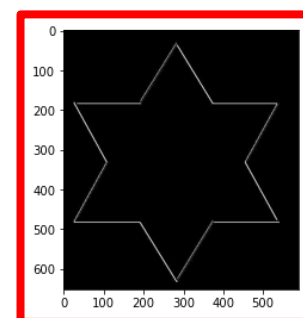
$$\text{Filter} = \begin{bmatrix} -1 & 1 & 1 \\ -1 & 0 & 1 \\ -1 & -1 & -1 \end{bmatrix}$$



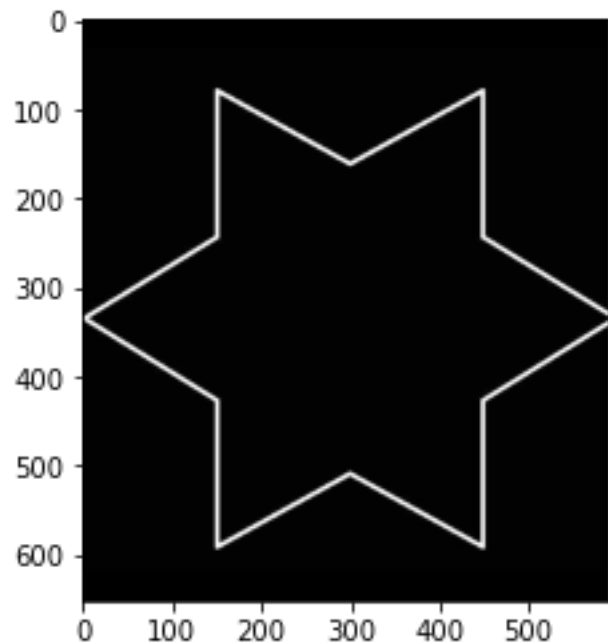
$$\text{Filter}_{\text{sym}} = \begin{bmatrix} -0.5 & 0 & -0.5 \\ 0 & 0 & 0 \\ -0.5 & 0 & -0.5 \end{bmatrix}$$



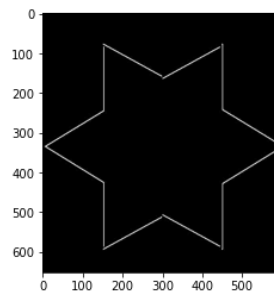
$$\text{Filter}_{\text{anti-sym}} = \begin{bmatrix} -0.5 & 1 & 1.5 \\ -1 & 0 & 1 \\ -0.5 & 0 & -0.5 \end{bmatrix}$$



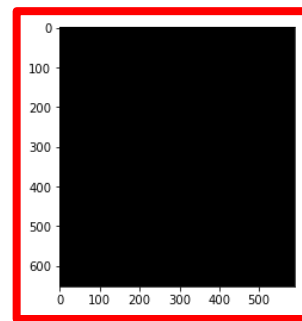
Input Image (rotated 90deg)



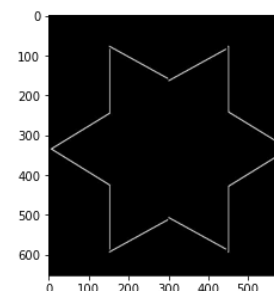
$$\text{Filter} = \begin{bmatrix} 1 & 0 & -1 \\ 1 & 0 & -1 \\ 1 & 0 & -1 \end{bmatrix}$$



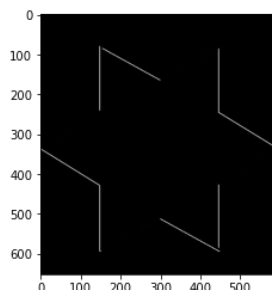
$$\text{Filter}_{\text{sym}} = \begin{bmatrix} 0 & 0 & 0 \\ 0 & 0 & 0 \\ 0 & 0 & 0 \end{bmatrix}$$



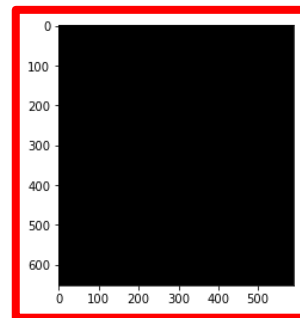
$$\text{Filter}_{\text{anti-sym}} = \begin{bmatrix} 1 & 0 & -1 \\ 1 & 0 & -1 \\ 1 & 0 & -1 \end{bmatrix}$$



$$\text{Filter} = \begin{bmatrix} -1 & 1 & 1 \\ -1 & 0 & 1 \\ -1 & -1 & -1 \end{bmatrix}$$



$$\text{Filter}_{\text{sym}} = \begin{bmatrix} -0.5 & 0 & -0.5 \\ 0 & 0 & 0 \\ -0.5 & 0 & -0.5 \end{bmatrix}$$



$$\text{Filter}_{\text{anti-sym}} = \begin{bmatrix} -0.5 & 1 & 1.5 \\ -1 & 0 & 1 \\ -0.5 & 0 & -0.5 \end{bmatrix}$$

