DIP A2 2019040

Saturday, 4 September 2021 1:38 PM

That Toget Making (find about 
$$G(L)$$
)

9  $p(L)$   $F(L)$   $A$   $g(L)$   $G(L)$   $g(L)$   $g(L)$ 

1  $p(L)$   $p$ 

$$\frac{2}{2} \quad \text{Image} = \begin{bmatrix} -1 & 2 & -1 \\ 3 & 0 & 1 \\ -2 & 1 & 2 \end{bmatrix} = I$$

$$\text{formula} : g(x,y) = I(x,y) * w(x,y) = \frac{2}{5} = \frac{I(1,t)}{5} w(x-3,y-t)$$

$$\text{for 2b com}.$$

$$= \text{Fitter} = \begin{bmatrix} -1 \\ 0 \\ 1 \end{bmatrix} \xrightarrow{\text{horizontally}} \begin{bmatrix} -1 \\ 0 \\ 1 \end{bmatrix} \xrightarrow{\text{restically}} \begin{bmatrix} 1 \\ 0 \\ -1 \end{bmatrix}$$

$$I * f = \begin{bmatrix} (-1)(-1) & (2)(-1) & (-1)(0) + (1)(-1) \\ (-1)(0) + (3)(-1) & (2)(1) + (0)(0) + (1)(-1) \\ (-1)(1) + (3)(0) + (-2)(-1) & (-1)(1) + (1)(0) \\ (3)(1) + (-2)(0) & (0)(1) + (1)(0) \\ (-2)(1) & (1)(1) & (2)(1) \end{bmatrix}$$