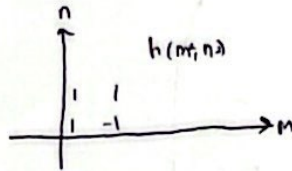
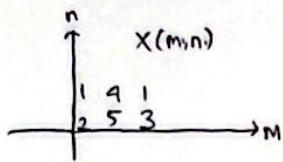
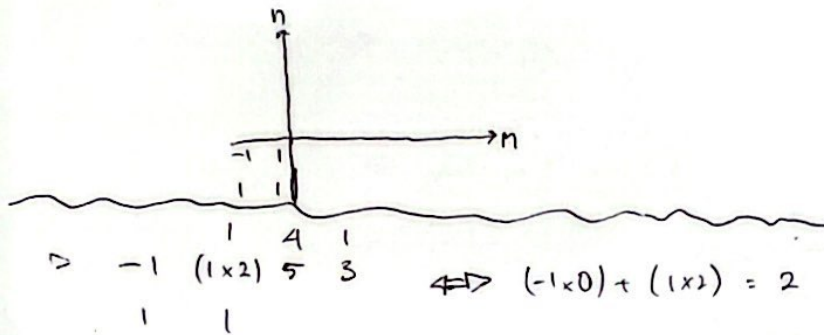


Diketahui:



$$g(m,n) = \sum_{k_1=-\infty}^{\infty} \sum_{k_2=-\infty}^{\infty} x(k_1, k_2) h(m_1 - k_1, m_2 - k_2)$$

hasil $h(m_2, n_2)$ dicerminkan terhadap origin



$$\Rightarrow \begin{matrix} 1 & 4 & 1 \\ (-1 \times 2) & (1 \times 5) & 3 \\ 1 & 1 & \end{matrix} \Leftrightarrow (-1 \times 2) + (1 \times 5) = 3$$

$$\Rightarrow \begin{matrix} 1 & 4 & 1 \\ 2 & (-1 \times 5) & (1 \times 3) \\ 1 & 1 & \end{matrix} \Leftrightarrow (-1 \times 5) + (1 \times 3) = -2$$

$$\Rightarrow \begin{matrix} 1 & 4 & 1 \\ 2 & 5 & (-1 \times 3) \\ 1 & 1 & \end{matrix} \Leftrightarrow (-1 \times 3) + (1 \times 0) = -3$$

$$\left(\begin{matrix} 2 \\ 3 \\ -2 \\ -3 \end{matrix} \right)$$

$$\Rightarrow \begin{matrix} -1 & (1 \times 1) & 4 & 1 \\ 1 & (1 \times 2) & 5 & 3 \end{matrix} \Leftrightarrow (1 \times 1) + (1 \times 2) = 3$$

$$\Rightarrow \begin{matrix} (-1 \times 1) & (1 \times 4) & 1 \\ (1 \times 2) & (1 \times 5) & 3 \end{matrix} \Leftrightarrow (-1) + 4 + 2 + 5 = 10$$

$$\Rightarrow \begin{matrix} 1 & (-1 \times 4) & (1 \times 1) \\ 2 & (1 \times 5) & (1 \times 3) \end{matrix} \Leftrightarrow (-4) + 1 + 5 + 3 = 5$$

$$\Rightarrow \begin{matrix} 1 & 4 & (-1 \times 1) & 1 \\ 2 & 5 & (1 \times 3) & 1 \end{matrix} \Leftrightarrow (-1) + 3 + 0 + 0 = 2$$

$$\left(\begin{matrix} 3 \\ 10 \\ 5 \\ 2 \end{matrix} \right)$$

$$\triangleright \begin{array}{ccc} -1 & 1 & \\ 1 & (1 \times 1) & 4 \quad 1 \\ & 2 & 5 \quad 3 \end{array} \Leftrightarrow 1$$

$$\triangleright \begin{array}{ccc} -1 & 1 & \\ (1 \times 1) & (1 \times 4) & 1 \\ & 2 & 5 \quad 3 \end{array} \Leftrightarrow 1 + 4 = 5$$

$$\triangleright \begin{array}{ccc} -1 & 1 & \\ 1 & (1 \times 4) & (1 \times 1) \\ & 2 & 5 \quad 3 \end{array} \Leftrightarrow 4 + 1 = 5$$

$$\triangleright \begin{array}{ccc} -1 & 1 & \\ 1 & 4 & (1 \times 1) \\ & 2 & 5 \quad 3 \end{array} \Leftrightarrow 1$$

$$\left(\begin{array}{c} 1 \\ 5 \\ 5 \\ 1 \end{array} \right)$$

$$g_{(m,n)} = \begin{array}{c|cccc} & 1 & 5 & 5 & 1 \\ \hline & 3 & 10 & 5 & 2 \\ & 2 & 3 & -2 & -3 \end{array}$$