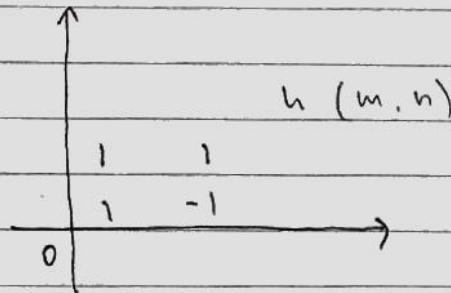
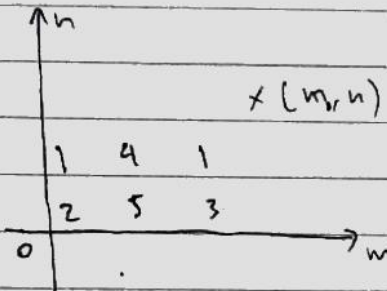
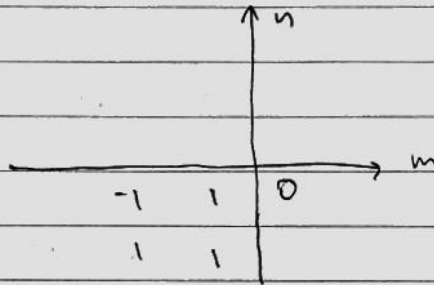


Latihan Soal Convolution



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

→ Langkah pertama, refleksi $h(m, n)$ terhadap titik 0



Sehingga konvolusikan sinyal sebagai berikut :

$$\left(\begin{array}{cc|cc} & 1 & 4 & 1 \\ (-1 \ 1 \ 2) & 5 & 3 & \langle \Xi \rangle -1(0) + (2) \Xi 2 \\ 1 & 1 & & \end{array} \right.$$

$$\left(\begin{array}{cc|cc} & 1 & 4 & 1 \\ (-1 \ 2) \ (1 \ 5) & 3 & \langle \Xi \rangle -1(2) + 5 \Xi 3 \\ 1 & 1 & & \end{array} \right.$$

↳ Lanjutan dari halaman
Sebelumnya

No
Date

$$1 \quad 4 \quad 1$$

$$2 \quad \begin{pmatrix} (-1.5) & (1.3) \\ 1 & 1 \end{pmatrix} \quad \langle \Xi \rangle \quad -5 + 3 = -2$$

$$1 \quad 4 \quad 1$$

$$2 \quad 5 \quad \begin{pmatrix} (-1.3) & 1 \\ 1 & 1 \end{pmatrix} \quad \langle \Xi \rangle \quad -3 + 1(0) = -3$$

$$\begin{pmatrix} -1 & (1.1) \\ 1 & (1.2) \end{pmatrix} \quad 4 \quad 1 \quad \langle \Xi \rangle \quad 1(1) + 1(2) = 3$$

$$\begin{pmatrix} (-1.1) & (1.4) \\ (1.2) & (1.5) \end{pmatrix} \quad 1 \quad \langle \Xi \rangle \quad -1 + 4 + 2 + 5 = 10$$

$$1 \quad (-1.4) \quad (1.1) \quad \langle \Xi \rangle \quad -4 + 1 + 5 + 3 = 5$$

$$2 \quad (1.5) \quad (1.3)$$

$$1 \quad 4 \quad (-1.1) \quad 1 \quad \langle \Xi \rangle \quad -1 + 3 + 0 + 0 = 2$$

$$2 \quad 5 \quad (1.3) \quad 1$$

$$-1 \quad 1$$

$$1 \quad (1.1) \quad 4 \quad 1 \quad \langle \Xi \rangle \quad 1$$

$$2 \quad 5 \quad 3$$

$$-1 \quad 1$$

$$(1.1) \quad (4.1) \quad 1 \quad \langle \Xi \rangle \quad 1 + 4 = 5$$

$$2 \quad 5 \quad 3$$

↳ Lanjutan di halaman selanjutnya

$$\begin{array}{ccccc}
 & -1 & 1 & & \\
 1 & (1.4) & (1.1) & \langle \Xi \rangle & 4 + 1 \Xi 5 \\
 2 & 5 & 3 & &
 \end{array}$$

$$\begin{array}{ccccc}
 & -1 & 1 & & \\
 1 & 4 & (1.9) & 1 & \langle \Xi \rangle 4 \\
 2 & 5 & 3 & &
 \end{array}$$

