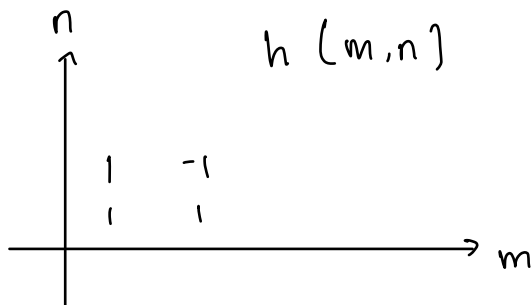
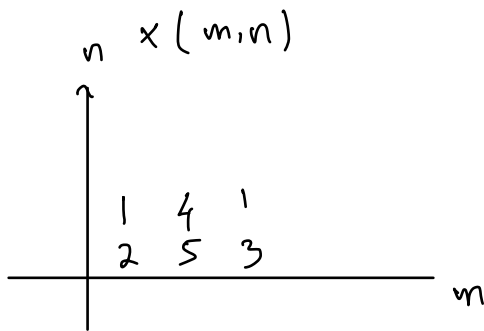


Nama: Rakan Akmal Muslim

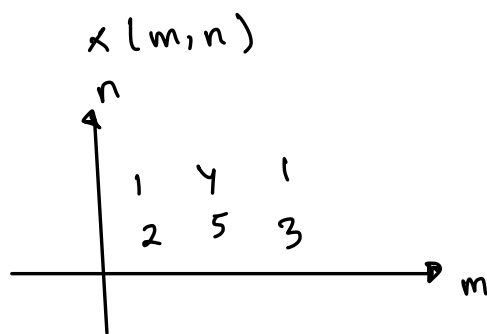
Kelas: D

NRP: 5009201016

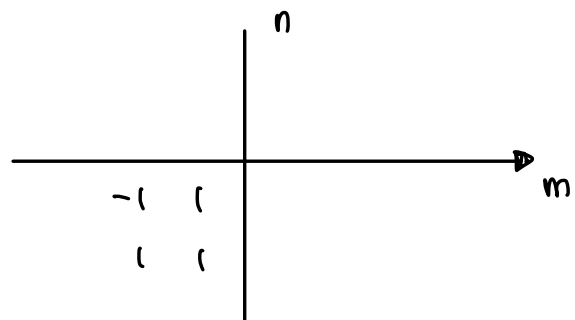


convolution:

- cari cerminan dari  $h(m,n) = h(-m,n)$



$h(-m,n)$  (TR)



- Maka

$$\begin{array}{c} 1 \quad 4 \quad 1 \\ * \quad -1 \quad (1 \cdot 2) \quad 5 \quad 3 \end{array} = -1(0) + (2) = 2$$

$$\begin{array}{c} 1 \quad 1 \\ 1 \quad 4 \quad 1 \\ * \quad (-1 \cdot 2) \quad (1 \cdot 5) \quad 3 \end{array} = -1(2) + 5 = 3$$

$$\begin{array}{c} 1 \quad 1 \\ 1 \quad 4 \quad 1 \\ * \quad 2 \quad (-1 \cdot 5) \quad (1 \cdot 3) \end{array} = -5 + 3$$

$$\begin{array}{c} 1 \quad 1 \\ 1 \quad 4 \quad 1 \\ * \quad 2 \quad 5 \quad (-1 \cdot 3) \quad 1 \end{array} = -3 + 1(0) = -3$$

$$\begin{array}{r} * \quad -1 \quad (1.1) \quad 4 \quad 1 \\ \quad \quad 1 \quad (1.2) \quad 5 \quad 3 \end{array} = 1(1) + 1(2) = 3$$

$$\begin{array}{r} * \quad (-1.1) \quad (1.4) \quad 1 \\ \quad \quad (1.2) \quad (1.5) \quad 3 \end{array} = -1 + 4 + 2 + 5 = 10$$

$$\begin{array}{r} * \quad 1 \quad (-1.4) \quad (1.1) \\ \quad \quad 2 \quad (1.5) \quad (1.3) \end{array} = -4 + 1 + 5 + 3 = 5$$

$$\begin{array}{r} * \quad 1 \quad 4 \quad (-1.1) \quad 1 \\ \quad \quad 2 \quad 5 \quad (1.3) \quad 1 \end{array} = -1 + 3 + 0 + 0 = 2$$

$$\begin{array}{r} * \quad -1 \quad 1 \\ \quad \quad 1 \quad (1.1) \quad 4 \quad 1 \\ \quad \quad \quad \quad 2 \quad 1 \quad 3 \end{array} = 1$$

$$\begin{array}{r} * \quad -1 \quad 1 \\ \quad \quad (1.1) \quad (4.1) \quad 1 \\ \quad \quad \quad \quad 2 \quad 5 \quad 3 \end{array} = 1 + 4 = 5$$

$$\begin{array}{r} * \quad 1 \quad (-1.4) \quad (1.1) \\ \quad \quad 2 \quad 5 \quad 3 \end{array} = 4 + 1 = 5$$

$$\begin{array}{r} * \quad 1 \quad 4 \quad (-1.4) \quad 1 \\ \quad \quad 2 \quad 5 \quad 3 \end{array} = 4$$

maka hasil akhirnya

$g(m,n) =$

1	5	5	4
3	10	5	2
2	3	-2	-3