Nama : Alfi Filsafalasafi

NIM : 200533628017

Image Convolutin/Filtering

H = X =

Y = H \* X =

1. (-1\*0) + (0\*0) + (1\*0) **+** (-1\*0) + (0\*2) + (3\*3) + (-3\*0) + (0\*1) + (1\*0) = 0 + 0 + 0 + 0 + 0 + 9 + 0 + 0 + 0 = 9

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2 | 3 | 1 | 0 | 2 | 2 |  |  |  |  |  |  |  |  |  | 9 |  |  |  |  |  |
| 1 | 0 | 1 | 1 | 0 | 1 |  |  |  | -1 | 0 | 1 |  |  |  |  |  |  |  |  |  |
| 1 | 2 | 0 | 2 | 3 | 1 |  | X |  | -1 | 0 | 3 |  | = |  |  |  |  |  |  |  |
| 0 | 1 | 0 | 1 | 5 | 0 |  |  |  | -3 | 0 | 1 |  |  |  |  |  |  |  |  |  |
| 1 | 2 | 3 | 0 | 3 | 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1 | 2 | 0 | 2 | 2 | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

1. (-1\*0) + (0\*0) + (1\*0) + (-1\*2) + (0\*3) + (1\*3) + (-3\*0) + (0\*0) + (1\*1) = 0 + 0 + 0 + -2 + 0 + 3 + 0 + 0 + 1 = 2

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2 | 3 | 1 | 0 | 2 | 2 |  |  |  |  |  |  |  |  |  | 9 | 2 |  |  |  |  |
| 1 | 0 | 1 | 1 | 0 | 1 |  |  |  | -1 | 0 | 1 |  |  |  |  |  |  |  |  |  |
| 1 | 2 | 0 | 2 | 3 | 1 |  | X |  | -1 | 0 | 3 |  | = |  |  |  |  |  |  |  |
| 0 | 1 | 0 | 1 | 5 | 0 |  |  |  | -3 | 0 | 1 |  |  |  |  |  |  |  |  |  |
| 1 | 2 | 3 | 0 | 3 | 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1 | 2 | 0 | 2 | 2 | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

1. (-1\*0) + (0\*0) + (1\*0) + (-1\*3) + (0\*1) + (3\*0) + (-3\*0) + (0\*1) + (1\*1) = 0 + 0 + 0 + -3 + 0 + 0 + 0 + 0 + 1 = -2

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2 | 3 | 1 | 0 | 2 | 2 |  |  |  |  |  |  |  |  |  | 9 | 2 | -2 |  |  |  |
| 1 | 0 | 1 | 1 | 0 | 1 |  |  |  | -1 | 0 | 1 |  |  |  |  |  |  |  |  |  |
| 1 | 2 | 0 | 2 | 3 | 1 |  | X |  | -1 | 0 | 3 |  | = |  |  |  |  |  |  |  |
| 0 | 1 | 0 | 1 | 5 | 0 |  |  |  | -3 | 0 | 1 |  |  |  |  |  |  |  |  |  |
| 1 | 2 | 3 | 0 | 3 | 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1 | 2 | 0 | 2 | 2 | 4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

1. (-1\* 0) + (0\*0) + (1\*0) + (-1\*1) + (0\*0) + (3\*2) + (-3\*1) + (0\*1) + (1\*0) = 0 + 0 + 0 + -1 + 0 + 6 + -3 + 0 + 0 =2

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2 | 3 | 1 | 0 | 2 | 2 |  |  |  |  |  |  |  |  |  | 9 | 2 | -2 | 2 |  |  |
| 1 | 0 | 1 | 1 | 0 | 1 |  |  |  | -1 | 0 | 1 |  |  |  |  |  |  |  |  |  |
| 1 | 2 | 0 | 2 | 3 | 1 |  | X |  | -1 | 0 | 3 |  | = |  |  |  |  |  |  |  |
| 0 | 1 | 0 | 1 | 5 | 0 |  |  |  | -3 | 0 | 1 |  |  |  |  |  |  |  |  |  |
| 1 | 2 | 3 | 0 | 3 | 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1 | 2 | 0 | 2 | 2 | 4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

1. (-1\*0) + (0\*0) + (1\*0) + (-1\*0) + (0\*2) + (3\*2) + (-3\*1) + (0\*0) + (1\*1) = 0 + 0 + 0 + 0 + 0 + 6 + -3 + 0 + 1 = 4

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2 | 3 | 1 | 0 | 2 | 2 |  |  |  |  |  |  |  |  |  | 9 | 2 | -2 | 2 | 4 |  |
| 1 | 0 | 1 | 1 | 0 | 1 |  |  |  | -1 | 0 | 1 |  |  |  |  |  |  |  |  |  |
| 1 | 2 | 0 | 2 | 3 | 1 |  | X |  | -1 | 0 | 3 |  | = |  |  |  |  |  |  |  |
| 0 | 1 | 0 | 1 | 5 | 0 |  |  |  | -3 | 0 | 1 |  |  |  |  |  |  |  |  |  |
| 1 | 2 | 3 | 0 | 3 | 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1 | 2 | 0 | 2 | 2 | 4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

1. (-1\*0) + (0\*0) + (1\*0) + (-1\*2) + (0\*2) + (3\*0) + (-3\*0) + (0\*1) + (1\*0) = 0 + 0 + 0 + -2 + 0 + 0 + 0 + 0 + 0 = -2

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2 | 3 | 1 | 0 | 2 | 2 |  |  |  |  |  |  |  |  |  | 9 | 2 | -2 | 2 | 4 | -2 |
| 1 | 0 | 1 | 1 | 0 | 1 |  |  |  | -1 | 0 | 1 |  |  |  |  |  |  |  |  |  |
| 1 | 2 | 0 | 2 | 3 | 1 |  | X |  | -1 | 0 | 3 |  | = |  |  |  |  |  |  |  |
| 0 | 1 | 0 | 1 | 5 | 0 |  |  |  | -3 | 0 | 1 |  |  |  |  |  |  |  |  |  |
| 1 | 2 | 3 | 0 | 3 | 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1 | 2 | 0 | 2 | 2 | 4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

1. (-1\*0) + (0\*2) + (1\*3) + (-1\*0) + (0\*1) + (3\*0) + (-3\*0) + (0\*1) + (1\*2) = 0 + 0 + 3 + 0 + 0 + 0 + 0 + 0 + 2 = 5

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2 | 3 | 1 | 0 | 2 | 2 |  |  |  |  |  |  |  |  |  | 9 | 2 | -2 | 2 | 4 | -2 |
| 1 | 0 | 1 | 1 | 0 | 1 |  |  |  | -1 | 0 | 1 |  |  |  | 5 |  |  |  |  |  |
| 1 | 2 | 0 | 2 | 3 | 1 |  | X |  | -1 | 0 | 3 |  | = |  |  |  |  |  |  |  |
| 0 | 1 | 0 | 1 | 5 | 0 |  |  |  | -3 | 0 | 1 |  |  |  |  |  |  |  |  |  |
| 1 | 2 | 3 | 0 | 3 | 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1 | 2 | 0 | 2 | 2 | 4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

1. (-1\*2) + (0\*3) + (1\*1) + (-1\*1) + (0\*0) + (3\*1) + (-3\*1) + (0\*2) + (1\*0) = -2 + 0 + 1 + -1 + 0 + 3 + -3 + 0 + 0 =-2

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2 | 3 | 1 | 0 | 2 | 2 |  |  |  |  |  |  |  |  |  | 9 | 2 | -2 | 2 | 4 | -2 |
| 1 | 0 | 1 | 1 | 0 | 1 |  |  |  | -1 | 0 | 1 |  |  |  | 5 | -2 |  |  |  |  |
| 1 | 2 | 0 | 2 | 3 | 1 |  | X |  | -1 | 0 | 3 |  | = |  |  |  |  |  |  |  |
| 0 | 1 | 0 | 1 | 5 | 0 |  |  |  | -3 | 0 | 1 |  |  |  |  |  |  |  |  |  |
| 1 | 2 | 3 | 0 | 3 | 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1 | 2 | 0 | 2 | 2 | 4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

1. (-1\*3) + (0\*1) + (1\*0) + (-1\*0) + (0\*1) + (3\*1) + (-3\*2) + (0\*0) + (2\*1) = -3 + 0 + 0 + 0 + 0 + 3 + -6 + 0 + 2 = -4

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2 | 3 | 1 | 0 | 2 | 2 |  |  |  |  |  |  |  |  |  | 9 | 2 | -2 | 2 | 4 | -2 |
| 1 | 0 | 1 | 1 | 0 | 1 |  |  |  | -1 | 0 | 1 |  |  |  | 5 | -2 | -4 |  |  |  |
| 1 | 2 | 0 | 2 | 3 | 1 |  | X |  | -1 | 0 | 3 |  | = |  |  |  |  |  |  |  |
| 0 | 1 | 0 | 1 | 5 | 0 |  |  |  | -3 | 0 | 1 |  |  |  |  |  |  |  |  |  |
| 1 | 2 | 3 | 0 | 3 | 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1 | 2 | 0 | 2 | 2 | 4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

1. (-1\*1) + (0\*0) + (1\*2) + (-1\*1) + (0\*1) + (3\*0) + (-3\*0) + (0\*2) + (1\*3) = -1 + 0 + 2 + -1 + 0 + 0 + 0 + 3 = 3

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2 | 3 | 1 | 0 | 2 | 2 |  |  |  |  |  |  |  |  |  | 9 | 2 | -2 | 2 | 4 | -2 |
| 1 | 0 | 1 | 1 | 0 | 1 |  |  |  | -1 | 0 | 1 |  |  |  | 5 | -2 | -4 | 3 |  |  |
| 1 | 2 | 0 | 2 | 3 | 1 |  | X |  | -1 | 0 | 3 |  | = |  |  |  |  |  |  |  |
| 0 | 1 | 0 | 1 | 5 | 0 |  |  |  | -3 | 0 | 1 |  |  |  |  |  |  |  |  |  |
| 1 | 2 | 3 | 0 | 3 | 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1 | 2 | 0 | 2 | 2 | 4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

1. (-1\*0) + (0\*2) + (1\*2) + (-1\*1) + (0\*0) + (3\*1) + (-3\*2) + (0\*3) + (1\*1) = 0 + 0 + 2 + -1 + 0 + 3 + -6 + 0 + 1 = -3

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2 | 3 | 1 | 0 | 2 | 2 |  |  |  |  |  |  |  |  |  | 9 | 2 | -2 | 2 | 4 | -2 |
| 1 | 0 | 1 | 1 | 0 | 1 |  |  |  | -1 | 0 | 1 |  |  |  | 5 | -2 | -4 | 3 | -3 |  |
| 1 | 2 | 0 | 2 | 3 | 1 |  | X |  | -1 | 0 | 3 |  | = |  |  |  |  |  |  |  |
| 0 | 1 | 0 | 1 | 5 | 0 |  |  |  | -3 | 0 | 1 |  |  |  |  |  |  |  |  |  |
| 1 | 2 | 3 | 0 | 3 | 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1 | 2 | 0 | 2 | 2 | 4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

1. (-1\*2) + (0\*2) + (1\*0) + (-1\*0) + (0\*1) + (3\*0) + (-3\*3) + (0\*1) + (1\*0) = -2 + 0 + 0 + 0 + 0 + 0 + -9 + 0 + 0 = -11

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2 | 3 | 1 | 0 | 2 | 2 |  |  |  |  |  |  |  |  |  | 9 | 2 | -2 | 2 | 4 | -2 |
| 1 | 0 | 1 | 1 | 0 | 1 |  |  |  | -1 | 0 | 1 |  |  |  | 5 | -2 | -4 | 3 | -3 | -11 |
| 1 | 2 | 0 | 2 | 3 | 1 |  | X |  | -1 | 0 | 3 |  | = |  |  |  |  |  |  |  |
| 0 | 1 | 0 | 1 | 5 | 0 |  |  |  | -3 | 0 | 1 |  |  |  |  |  |  |  |  |  |
| 1 | 2 | 3 | 0 | 3 | 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1 | 2 | 0 | 2 | 2 | 4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

1. (-1\*0) + (0\*1) + (1\*0) + (-1\*0) + (0\*1) + (3\*2) + (-3\*0) + (0\*0) + (1\*1) = 0 + 0 + 0 + 0 + 0 + 6 + 0 + 0 + 1 = 7

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2 | 3 | 1 | 0 | 2 | 2 |  |  |  |  |  |  |  |  |  | 9 | 2 | -2 | 2 | 4 | -2 |
| 1 | 0 | 1 | 1 | 0 | 1 |  |  |  | -1 | 0 | 1 |  |  |  | 5 | -2 | -4 | 3 | -3 | -11 |
| 1 | 2 | 0 | 2 | 3 | 1 |  | X |  | -1 | 0 | 3 |  | = |  | 7 |  |  |  |  |  |
| 0 | 1 | 0 | 1 | 5 | 0 |  |  |  | -3 | 0 | 1 |  |  |  |  |  |  |  |  |  |
| 1 | 2 | 3 | 0 | 3 | 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1 | 2 | 0 | 2 | 2 | 4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

1. (-1\*1) + (0\*0) + (1\*1) + (-1\*1) + (0\*2) + (3\*0) + (-3\*0) + (0\*1) + (1\*0) = -1 + 0 + 1 + -1 + 0 + 0 + 0 + 0 + 0 = -1

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2 | 3 | 1 | 0 | 2 | 2 |  |  |  |  |  |  |  |  |  | 9 | 2 | -2 | 2 | 4 | -2 |
| 1 | 0 | 1 | 1 | 0 | 1 |  |  |  | -1 | 0 | 1 |  |  |  | 5 | -2 | -4 | 3 | -3 | -11 |
| 1 | 2 | 0 | 2 | 3 | 1 |  | X |  | -1 | 0 | 3 |  | = |  | 7 | -1 |  |  |  |  |
| 0 | 1 | 0 | 1 | 5 | 0 |  |  |  | -3 | 0 | 1 |  |  |  |  |  |  |  |  |  |
| 1 | 2 | 3 | 0 | 3 | 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1 | 2 | 0 | 2 | 2 | 4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

1. (-1\*0) + (0\*1) + (1\*1) + (-1\*2) + (0\*0) + (3\*2) + (-3\*1) + (0\*0) + (1\*1) = 0 + 0 + 1 + -2 + 0 + 6 + -3 + 0 + 1 = 3

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2 | 3 | 1 | 0 | 2 | 2 |  |  |  |  |  |  |  |  |  | 9 | 2 | -2 | 2 | 4 | -2 |
| 1 | 0 | 1 | 1 | 0 | 1 |  |  |  | -1 | 0 | 1 |  |  |  | 5 | -2 | -4 | 3 | -3 | -11 |
| 1 | 2 | 0 | 2 | 3 | 1 |  | X |  | -1 | 0 | 3 |  | = |  | 7 | -1 | 3 |  |  |  |
| 0 | 1 | 0 | 1 | 5 | 0 |  |  |  | -3 | 0 | 1 |  |  |  |  |  |  |  |  |  |
| 1 | 2 | 3 | 0 | 3 | 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1 | 2 | 0 | 2 | 2 | 4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

1. (-1\*1) + (0\*1) + (1\*0) + (-1\*0) + (0\*2) + (3\*3) + (-3\*0) + (0\*1) + (1\*5) = -1 + 0 + 0 + 0 + 0 + 9 + 0 + 0 + 5 = 13

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2 | 3 | 1 | 0 | 2 | 2 |  |  |  |  |  |  |  |  |  | 9 | 2 | -2 | 2 | 4 | -2 |
| 1 | 0 | 1 | 1 | 0 | 1 |  |  |  | -1 | 0 | 1 |  |  |  | 5 | -2 | -4 | 3 | -3 | -11 |
| 1 | 2 | 0 | 2 | 3 | 1 |  | X |  | -1 | 0 | 3 |  | = |  | 7 | -1 | 3 | 13 |  |  |
| 0 | 1 | 0 | 1 | 5 | 0 |  |  |  | -3 | 0 | 1 |  |  |  |  |  |  |  |  |  |
| 1 | 2 | 3 | 0 | 3 | 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1 | 2 | 0 | 2 | 2 | 4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

1. (-1\*1) + (0\*0) + (1\*1) + (-1\*2) + (0\*3) + (3\*1) + (-3\*1) + (0\*5) + (1\*0) = -1 + 0 + 1 + -2 + 0 + 3 + -3 + 0 + 0 = -2

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2 | 3 | 1 | 0 | 2 | 2 |  |  |  |  |  |  |  |  |  | 9 | 2 | -2 | 2 | 4 | -2 |
| 1 | 0 | 1 | 1 | 0 | 1 |  |  |  | -1 | 0 | 1 |  |  |  | 5 | -2 | -4 | 3 | -3 | -11 |
| 1 | 2 | 0 | 2 | 3 | 1 |  | X |  | -1 | 0 | 3 |  | = |  | 7 | -1 | 3 | 13 | -2 |  |
| 0 | 1 | 0 | 1 | 5 | 0 |  |  |  | -3 | 0 | 1 |  |  |  |  |  |  |  |  |  |
| 1 | 2 | 3 | 0 | 3 | 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1 | 2 | 0 | 2 | 2 | 4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

1. (-1\*0) + (0\*1) + (1\*0) + (-1\*3) + (0\*1) + (3\*0) + (-3\*5) + (0\*0) + (1\*0) = 0 + 0 + 0 + -3 + 0 + 0 + -15 + 0 + 0 = -18

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2 | 3 | 1 | 0 | 2 | 2 |  |  |  |  |  |  |  |  |  | 9 | 2 | -2 | 2 | 4 | -2 |
| 1 | 0 | 1 | 1 | 0 | 1 |  |  |  | -1 | 0 | 1 |  |  |  | 5 | -2 | -4 | 3 | -3 | -11 |
| 1 | 2 | 0 | 2 | 3 | 1 |  | X |  | -1 | 0 | 3 |  | = |  | 7 | -1 | 3 | 13 | -2 | -18 |
| 0 | 1 | 0 | 1 | 5 | 0 |  |  |  | -3 | 0 | 1 |  |  |  |  |  |  |  |  |  |
| 1 | 2 | 3 | 0 | 3 | 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1 | 2 | 0 | 2 | 2 | 4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

1. (-1\*0) + (0\*1) + (1\*2) + (-1\*0) + (0\*0) + (3\*1) + (-3\*0) + (0\*1) + (1\*2) = 0 + 0 + 2 + 0 + 0 + 3 + 0 + 0 + 2 = 7

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2 | 3 | 1 | 0 | 2 | 2 |  |  |  |  |  |  |  |  |  | 9 | 2 | -2 | 2 | 4 | -2 |
| 1 | 0 | 1 | 1 | 0 | 1 |  |  |  | -1 | 0 | 1 |  |  |  | 5 | -2 | -4 | 3 | -3 | -11 |
| 1 | 2 | 0 | 2 | 3 | 1 |  | X |  | -1 | 0 | 3 |  | = |  | 7 | -1 | 3 | 13 | -2 | -18 |
| 0 | 1 | 0 | 1 | 5 | 0 |  |  |  | -3 | 0 | 1 |  |  |  | 7 |  |  |  |  |  |
| 1 | 2 | 3 | 0 | 3 | 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1 | 2 | 0 | 2 | 2 | 4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

1. (-1\*1) + (0\*2) + (1\*0) + (-1\*0) + (0\*1) + (3\*0) + (-3\*1) + (0\*2) + (1\*3) = -1 + 0 + 0 + 0 + 0 + 0 + -3 + 0 + 3 = -1

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2 | 3 | 1 | 0 | 2 | 2 |  |  |  |  |  |  |  |  |  | 9 | 2 | -2 | 2 | 4 | -2 |
| 1 | 0 | 1 | 1 | 0 | 1 |  |  |  | -1 | 0 | 1 |  |  |  | 5 | -2 | -4 | 3 | -3 | -11 |
| 1 | 2 | 0 | 2 | 3 | 1 |  | X |  | -1 | 0 | 3 |  | = |  | 7 | -1 | 3 | 13 | -2 | -18 |
| 0 | 1 | 0 | 1 | 5 | 0 |  |  |  | -3 | 0 | 1 |  |  |  | 7 | -1 |  |  |  |  |
| 1 | 2 | 3 | 0 | 3 | 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1 | 2 | 0 | 2 | 2 | 4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

1. (-1\*2) + (0\*0) + (1\*2) + (-1\*1) + (0\*0) + (3\*1) + (-3\*2) + (0\*3) + (1\*0) = -2 + 0 + 2 + -1 + 0 + 3 + -6 + 0 + 0 = -4

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2 | 3 | 1 | 0 | 2 | 2 |  |  |  |  |  |  |  |  |  | 9 | 2 | -2 | 2 | 4 | -2 |
| 1 | 0 | 1 | 1 | 0 | 1 |  |  |  | -1 | 0 | 1 |  |  |  | 5 | -2 | -4 | 3 | -3 | -11 |
| 1 | 2 | 0 | 2 | 3 | 1 |  | X |  | -1 | 0 | 3 |  | = |  | 7 | -1 | 3 | 13 | -2 | -18 |
| 0 | 1 | 0 | 1 | 5 | 0 |  |  |  | -3 | 0 | 1 |  |  |  | 7 | -1 | -4 |  |  |  |
| 1 | 2 | 3 | 0 | 3 | 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1 | 2 | 0 | 2 | 2 | 4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

1. (-1\*0) + (0\*2) + (1\*3) + (-1\*0) + (0\*1) + (3\*5) + (-3\*3) + (0\*0) + (1\*3) = 0 + 0 + 3 + 0 + 0 + 15 + -9 + 0 + 3 = 12

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2 | 3 | 1 | 0 | 2 | 2 |  |  |  |  |  |  |  |  |  | 9 | 2 | -2 | 2 | 4 | -2 |
| 1 | 0 | 1 | 1 | 0 | 1 |  |  |  | -1 | 0 | 1 |  |  |  | 5 | -2 | -4 | 3 | -3 | -11 |
| 1 | 2 | 0 | 2 | 3 | 1 |  | X |  | -1 | 0 | 3 |  | = |  | 7 | -1 | 3 | 13 | -2 | -18 |
| 0 | 1 | 0 | 1 | 5 | 0 |  |  |  | -3 | 0 | 1 |  |  |  | 7 | -1 | -4 | 12 |  |  |
| 1 | 2 | 3 | 0 | 3 | 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1 | 2 | 0 | 2 | 2 | 4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

1. (-1\*2) + (0\*3) + (1\*1) + (-1\*1) + (0\*5) + (3\*0) + (-3\*0) + (0\*3) + (1\*1) = -2 + 0 + 1 + -1 + 0 + 0 + 0 + 0 + 1 = -3

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2 | 3 | 1 | 0 | 2 | 2 |  |  |  |  |  |  |  |  |  | 9 | 2 | -2 | 2 | 4 | -2 |
| 1 | 0 | 1 | 1 | 0 | 1 |  |  |  | -1 | 0 | 1 |  |  |  | 5 | -2 | -4 | 3 | -3 | -11 |
| 1 | 2 | 0 | 2 | 3 | 1 |  | X |  | -1 | 0 | 3 |  | = |  | 7 | -1 | 3 | 13 | -2 | -18 |
| 0 | 1 | 0 | 1 | 5 | 0 |  |  |  | -3 | 0 | 1 |  |  |  | 7 | -1 | -4 | 12 | -3 |  |
| 1 | 2 | 3 | 0 | 3 | 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1 | 2 | 0 | 2 | 2 | 4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

1. (-1\*3) + (0\*1) + (1\*0) + (-1\*5) + (0\*0) + (3\*0) + (-3\*3) + (0\*1) + (1\*0) = -3 + 0 + 0 + -5 + 0 + 0 + -9 + 0 + 0 = -17

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2 | 3 | 1 | 0 | 2 | 2 |  |  |  |  |  |  |  |  |  | 9 | 2 | -2 | 2 | 4 | -2 |
| 1 | 0 | 1 | 1 | 0 | 1 |  |  |  | -1 | 0 | 1 |  |  |  | 5 | -2 | -4 | 3 | -3 | -11 |
| 1 | 2 | 0 | 2 | 3 | 1 |  | X |  | -1 | 0 | 3 |  | = |  | 7 | -1 | 3 | 13 | -2 | -18 |
| 0 | 1 | 0 | 1 | 5 | 0 |  |  |  | -3 | 0 | 1 |  |  |  | 7 | -1 | -4 | 12 | -3 | -17 |
| 1 | 2 | 3 | 0 | 3 | 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1 | 2 | 0 | 2 | 2 | 4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

1. (-1\*0) + (0\*0) + (1\*1) + (-1\*0) + (0\*1) + (3\*2) + (-3\*0) + (0\*1) + (1\*2) = 0 + 0 + 1 + 0 + 0 + 6 + 0 + 0 + 2 = 9

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2 | 3 | 1 | 0 | 2 | 2 |  |  |  |  |  |  |  |  |  | 9 | 2 | -2 | 2 | 4 | -2 |
| 1 | 0 | 1 | 1 | 0 | 1 |  |  |  | -1 | 0 | 1 |  |  |  | 5 | -2 | -4 | 3 | -3 | -11 |
| 1 | 2 | 0 | 2 | 3 | 1 |  | X |  | -1 | 0 | 3 |  | = |  | 7 | -1 | 3 | 13 | -2 | -18 |
| 0 | 1 | 0 | 1 | 5 | 0 |  |  |  | -3 | 0 | 1 |  |  |  | 7 | -1 | -4 | 12 | -3 | -17 |
| 1 | 2 | 3 | 0 | 3 | 1 |  |  |  |  |  |  |  |  |  | 9 |  |  |  |  |  |
| 1 | 2 | 0 | 2 | 2 | 4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

1. (-1\*0) + (0\*1) + (1\*0) + (-1\*1) + (0\*2) + (3\*3) + (-3\*1) + (0\*2) + (1\*0) = 0 + 0 + 0 + -1 + 0 + 3 + -3 + 0 + 0 = -1

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2 | 3 | 1 | 0 | 2 | 2 |  |  |  |  |  |  |  |  |  | 9 | 2 | -2 | 2 | 4 | -2 |
| 1 | 0 | 1 | 1 | 0 | 1 |  |  |  | -1 | 0 | 1 |  |  |  | 5 | -2 | -4 | 3 | -3 | -11 |
| 1 | 2 | 0 | 2 | 3 | 1 |  | X |  | -1 | 0 | 3 |  | = |  | 7 | -1 | 3 | 13 | -2 | -18 |
| 0 | 1 | 0 | 1 | 5 | 0 |  |  |  | -3 | 0 | 1 |  |  |  | 7 | -1 | -4 | 12 | -3 | -17 |
| 1 | 2 | 3 | 0 | 3 | 1 |  |  |  |  |  |  |  |  |  | 9 | -1 |  |  |  |  |
| 1 | 2 | 0 | 2 | 2 | 4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

1. (-1\*1) + (0\*0) + (1\*1) + (-1\*2) + (0\*3) + (3\*0) + (-3\*2) + (0\*0) + (1\*2) = -1 + 0 + 1 + -2 + 0 + 0 + -6 + 0 + 2 = 6

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2 | 3 | 1 | 0 | 2 | 2 |  |  |  |  |  |  |  |  |  | 9 | 2 | -2 | 2 | 4 | -2 |
| 1 | 0 | 1 | 1 | 0 | 1 |  |  |  | -1 | 0 | 1 |  |  |  | 5 | -2 | -4 | 3 | -3 | -11 |
| 1 | 2 | 0 | 2 | 3 | 1 |  | X |  | -1 | 0 | 3 |  | = |  | 7 | -1 | 3 | 13 | -2 | -18 |
| 0 | 1 | 0 | 1 | 5 | 0 |  |  |  | -3 | 0 | 1 |  |  |  | 7 | -1 | -4 | 12 | -3 | -17 |
| 1 | 2 | 3 | 0 | 3 | 1 |  |  |  |  |  |  |  |  |  | 9 | -1 | 6 |  |  |  |
| 1 | 2 | 0 | 2 | 2 | 4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

1. (-1\*0) + (0\*1) + (1\*5) + (-1\*3) + (0\*0) + (3\*3) + (-3\*0) + (0\*2) + (1\*2) = 0 + 0 + 5 + -3 + 0 + 9 + 0 + 0 + 2 = 13

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2 | 3 | 1 | 0 | 2 | 2 |  |  |  |  |  |  |  |  |  | 9 | 2 | -2 | 2 | 4 | -2 |
| 1 | 0 | 1 | 1 | 0 | 1 |  |  |  | -1 | 0 | 1 |  |  |  | 5 | -2 | -4 | 3 | -3 | -11 |
| 1 | 2 | 0 | 2 | 3 | 1 |  | X |  | -1 | 0 | 3 |  | = |  | 7 | -1 | 3 | 13 | -2 | -18 |
| 0 | 1 | 0 | 1 | 5 | 0 |  |  |  | -3 | 0 | 1 |  |  |  | 7 | -1 | -4 | 12 | -3 | -17 |
| 1 | 2 | 3 | 0 | 3 | 1 |  |  |  |  |  |  |  |  |  | 9 | -1 | 6 | 13 |  |  |
| 1 | 2 | 0 | 2 | 2 | 4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

1. (-1\*1) + (0\*5) + (1\*0) + (-1\*0) + (0\*3) + (3\*1) + (-3\*2) + (0\*2) + (1\*4) = -1 + 0 + 0 + 0 + 0 + 3 + -6 + 0 + 4 = 0

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2 | 3 | 1 | 0 | 2 | 2 |  |  |  |  |  |  |  |  |  | 9 | 2 | -2 | 2 | 4 | -2 |
| 1 | 0 | 1 | 1 | 0 | 1 |  |  |  | -1 | 0 | 1 |  |  |  | 5 | -2 | -4 | 3 | -3 | -11 |
| 1 | 2 | 0 | 2 | 3 | 1 |  | X |  | -1 | 0 | 3 |  | = |  | 7 | -1 | 3 | 13 | -2 | -18 |
| 0 | 1 | 0 | 1 | 5 | 0 |  |  |  | -3 | 0 | 1 |  |  |  | 7 | -1 | -4 | 12 | -3 | -17 |
| 1 | 2 | 3 | 0 | 3 | 1 |  |  |  |  |  |  |  |  |  | 9 | -1 | 6 | 13 | 0 |  |
| 1 | 2 | 0 | 2 | 2 | 4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

1. (-1\*5) + (0\*0) + (1\*0) + (-1\*3) + (0\*1) + (3\*0) + (-3\*2) + (0\*4) + (1\*0) = -5 + 0 + 0 + -3 + 0 + 0 + -6 + 0 + 0 = -14

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2 | 3 | 1 | 0 | 2 | 2 |  |  |  |  |  |  |  |  |  | 9 | 2 | -2 | 2 | 4 | -2 |
| 1 | 0 | 1 | 1 | 0 | 1 |  |  |  | -1 | 0 | 1 |  |  |  | 5 | -2 | -4 | 3 | -3 | -11 |
| 1 | 2 | 0 | 2 | 3 | 1 |  | X |  | -1 | 0 | 3 |  | = |  | 7 | -1 | 3 | 13 | -2 | -18 |
| 0 | 1 | 0 | 1 | 5 | 0 |  |  |  | -3 | 0 | 1 |  |  |  | 7 | -1 | -4 | 12 | -3 | -17 |
| 1 | 2 | 3 | 0 | 3 | 1 |  |  |  |  |  |  |  |  |  | 9 | -1 | 6 | 13 | 0 | -14 |
| 1 | 2 | 0 | 2 | 2 | 4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

1. (-1\*0) + (0\*1) + (1\*2) + (-1\*0) + (0\*1) + (3\*2) + (-3\*0) + (0\*0) + (1\*0) = 0 + 0 + 2 + 0 + 0 + 6 + 0 + 0 + 0 = 8

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2 | 3 | 1 | 0 | 2 | 2 |  |  |  |  |  |  |  |  |  | 9 | 2 | -2 | 2 | 4 | -2 |
| 1 | 0 | 1 | 1 | 0 | 1 |  |  |  | -1 | 0 | 1 |  |  |  | 5 | -2 | -4 | 3 | -3 | -11 |
| 1 | 2 | 0 | 2 | 3 | 1 |  | X |  | -1 | 0 | 3 |  | = |  | 7 | -1 | 3 | 13 | -2 | -18 |
| 0 | 1 | 0 | 1 | 5 | 0 |  |  |  | -3 | 0 | 1 |  |  |  | 7 | -1 | -4 | 12 | -3 | -17 |
| 1 | 2 | 3 | 0 | 3 | 1 |  |  |  |  |  |  |  |  |  | 9 | -1 | 6 | 13 | 0 | -14 |
| 1 | 2 | 0 | 2 | 2 | 4 |  |  |  |  |  |  |  |  |  | 8 |  |  |  |  |  |

1. (-1\*1) + (0\*2) + (1\*3) + (-1\*1) + (0\*2) + (3\*0) + (-3\*0) + (0\*0) + (1\*0) = -1 + 0 + 3 + -1 + 0 + 0 + 0 + 0 + 0 = 1

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2 | 3 | 1 | 0 | 2 | 2 |  |  |  |  |  |  |  |  |  | 9 | 2 | -2 | 2 | 4 | -2 |
| 1 | 0 | 1 | 1 | 0 | 1 |  |  |  | -1 | 0 | 1 |  |  |  | 5 | -2 | -4 | 3 | -3 | -11 |
| 1 | 2 | 0 | 2 | 3 | 1 |  | X |  | -1 | 0 | 3 |  | = |  | 7 | -1 | 3 | 13 | -2 | -18 |
| 0 | 1 | 0 | 1 | 5 | 0 |  |  |  | -3 | 0 | 1 |  |  |  | 7 | -1 | -4 | 12 | -3 | -17 |
| 1 | 2 | 3 | 0 | 3 | 1 |  |  |  |  |  |  |  |  |  | 9 | -1 | 6 | 13 | 0 | -14 |
| 1 | 2 | 0 | 2 | 2 | 4 |  |  |  |  |  |  |  |  |  | 8 | 1 |  |  |  |  |

1. (-1\*2) + (0\*3) + (1\*0) + (-1\*2) + (0\*0) + (3\*2) + (-3\*0) + (0\*0) + (1\*0) = -2 + 0 + 0 + -2 + 0 + 6 + 0 + 0 + 0 = 2

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2 | 3 | 1 | 0 | 2 | 2 |  |  |  |  |  |  |  |  |  | 9 | 2 | -2 | 2 | 4 | -2 |
| 1 | 0 | 1 | 1 | 0 | 1 |  |  |  | -1 | 0 | 1 |  |  |  | 5 | -2 | -4 | 3 | -3 | -11 |
| 1 | 2 | 0 | 2 | 3 | 1 |  | X |  | -1 | 0 | 3 |  | = |  | 7 | -1 | 3 | 13 | -2 | -18 |
| 0 | 1 | 0 | 1 | 5 | 0 |  |  |  | -3 | 0 | 1 |  |  |  | 7 | -1 | -4 | 12 | -3 | -17 |
| 1 | 2 | 3 | 0 | 3 | 1 |  |  |  |  |  |  |  |  |  | 9 | -1 | 6 | 13 | 0 | -14 |
| 1 | 2 | 0 | 2 | 2 | 4 |  |  |  |  |  |  |  |  |  | 8 | 1 | 2 |  |  |  |

1. (-1\*3) + (0\*0) + (1\*3) + (-1\*0) + (0\*2) + (3\*2) + (-3\*0) + (0\*0) + (1\*0) = -3 + 0 + 3 + 0 + 0 + 6 + 0 + 0 + 0 = 6

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2 | 3 | 1 | 0 | 2 | 2 |  |  |  |  |  |  |  |  |  | 9 | 2 | -2 | 2 | 4 | -2 |
| 1 | 0 | 1 | 1 | 0 | 1 |  |  |  | -1 | 0 | 1 |  |  |  | 5 | -2 | -4 | 3 | -3 | -11 |
| 1 | 2 | 0 | 2 | 3 | 1 |  | X |  | -1 | 0 | 3 |  | = |  | 7 | -1 | 3 | 13 | -2 | -18 |
| 0 | 1 | 0 | 1 | 5 | 0 |  |  |  | -3 | 0 | 1 |  |  |  | 7 | -1 | -4 | 12 | -3 | -17 |
| 1 | 2 | 3 | 0 | 3 | 1 |  |  |  |  |  |  |  |  |  | 9 | -1 | 6 | 13 | 0 | -14 |
| 1 | 2 | 0 | 2 | 2 | 4 |  |  |  |  |  |  |  |  |  | 8 | 1 | 2 | 6 |  |  |

1. (-1\*0) + (0\*3) + (1\*1) + (-1\*2) + (0\*2) + (3\*4) + (-3\*0) + (0\*0) + (1\*0) = 0 + 0 + 1 + -2 + 0 + 12 + 0 + 0 + 0 = 11

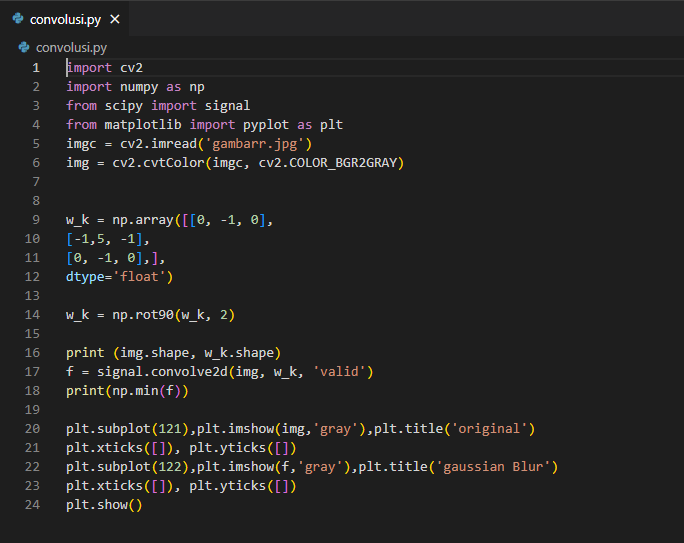
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2 | 3 | 1 | 0 | 2 | 2 |  |  |  |  |  |  |  |  |  | 9 | 2 | -2 | 2 | 4 | -2 |
| 1 | 0 | 1 | 1 | 0 | 1 |  |  |  | -1 | 0 | 1 |  |  |  | 5 | -2 | -4 | 3 | -3 | -11 |
| 1 | 2 | 0 | 2 | 3 | 1 |  | X |  | -1 | 0 | 3 |  | = |  | 7 | -1 | 3 | 13 | -2 | -18 |
| 0 | 1 | 0 | 1 | 5 | 0 |  |  |  | -3 | 0 | 1 |  |  |  | 7 | -1 | -4 | 12 | -3 | -17 |
| 1 | 2 | 3 | 0 | 3 | 1 |  |  |  |  |  |  |  |  |  | 9 | -1 | 6 | 13 | 0 | -14 |
| 1 | 2 | 0 | 2 | 2 | 4 |  |  |  |  |  |  |  |  |  | 8 | 1 | 2 | 6 | 11 |  |

1. (-1\*3) + (0\*1) + (1\*0) + (-1\*2) + (0\*4) + (3\*0) + (-3\*0) + (0\*0) + (1\*0) = -3 + 0 + 0 + -2 + 0 + 0 + 0 + 0 = -5

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2 | 3 | 1 | 0 | 2 | 2 |  |  |  |  |  |  |  |  |  | 9 | 2 | -2 | 2 | 4 | -2 |
| 1 | 0 | 1 | 1 | 0 | 1 |  |  |  | -1 | 0 | 1 |  |  |  | 5 | -2 | -4 | 3 | -3 | -11 |
| 1 | 2 | 0 | 2 | 3 | 1 |  | X |  | -1 | 0 | 3 |  | = |  | 7 | -1 | 3 | 13 | -2 | -18 |
| 0 | 1 | 0 | 1 | 5 | 0 |  |  |  | -3 | 0 | 1 |  |  |  | 7 | -1 | -4 | 12 | -3 | -17 |
| 1 | 2 | 3 | 0 | 3 | 1 |  |  |  |  |  |  |  |  |  | 9 | -1 | 6 | 13 | 0 | -14 |
| 1 | 2 | 0 | 2 | 2 | 4 |  |  |  |  |  |  |  |  |  | 8 | 1 | 2 | 6 | 11 | -5 |

Mengimplementasikan dalam bentuk Codingan

Menggunakan Gaussian Blur



Hasil

