## Input volume I

### I[0, :, :]

| 0 | 0 | 0 | 0 | 0 | 0 |
|---|---|---|---|---|---|
| 0 | 3 | 1 | 2 | 4 | 0 |
| 0 | 2 | 3 | 3 | 4 | 0 |
| 0 | 1 | 2 | 3 | 4 | 0 |
| 0 | 5 | 1 | 3 | 4 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 |

### I[1, :, :]

| 0 | 0 | 0 | 0 | 0 | 0 |
|---|---|---|---|---|---|
| 0 | 1 | 3 | 0 | 2 | 0 |
| 0 | 1 | 2 | 2 | 4 | 0 |
| 0 | 3 | 3 | 3 | 1 | 0 |
| 0 | 5 | 0 | 3 | 2 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 |

## Filter F

### F[0, :, :]

| 1 | 0 | 1 |
|---|---|---|
| 0 | -1 | -1 |
| 1 | -1 | 1 |

### F[0, :, :]

| 0 | -1 | -1 |
|---|---|---|
| 1 | 1 | 0 |
| -1 | -1 | 1 |

## Output volume O

### O[0, :, :]

| -3 | -1 | -2 | -5 |
|----|----|----|----|
| -3 | 1 | 1 | -3 |
| -4 | 7 | 2 | -2 |
| -4 | 0 | -1 | -1 |

### O[1, :, :]

| 2 | 3 | 3 | -4 |
|---|---|---|----|
| -3 | -3 | -3 | 0 |
| -5 | 0 | -1 | -5 |
| -1 | -1 | -1 | 4 |