

Input image

(zero-padded 3 x 4 pixels)

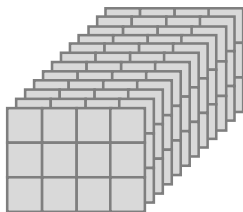
| | | | | | |
|--|---|---|----|----|--|
| | | | | | |
| | 0 | 1 | 2 | 3 | |
| | 4 | 5 | 6 | 7 | |
| | 8 | 9 | 10 | 11 | |
| | | | | | |

Output feature map

(4 x 3)

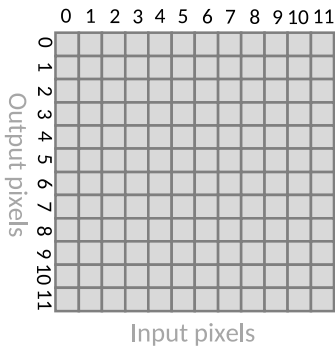
| | | | |
|---|---|----|----|
| 0 | 1 | 2 | 3 |
| 4 | 5 | 6 | 7 |
| 8 | 9 | 10 | 11 |

(a) Fully connected layer structure



Kernel

Connection weights



(b) Convolutional 3 x 3 square



Connection structure

