

Convolutional Neural Networks (CNNs)

↳ Sparse MLPs

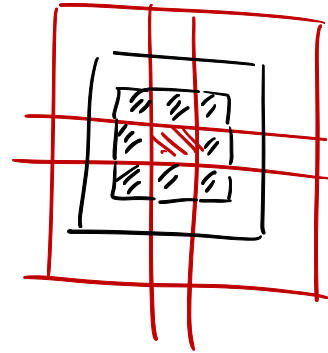
(FFN)

Feed Forward Networks

↳ Exploit ^{spatial} locality

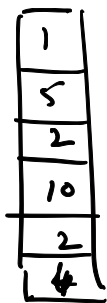
↳ in sequence (1D)

↳ sub-image (2D)



1D Convolution

element-wise multiplication



input
X

⊗



k=3 (kernel size)

