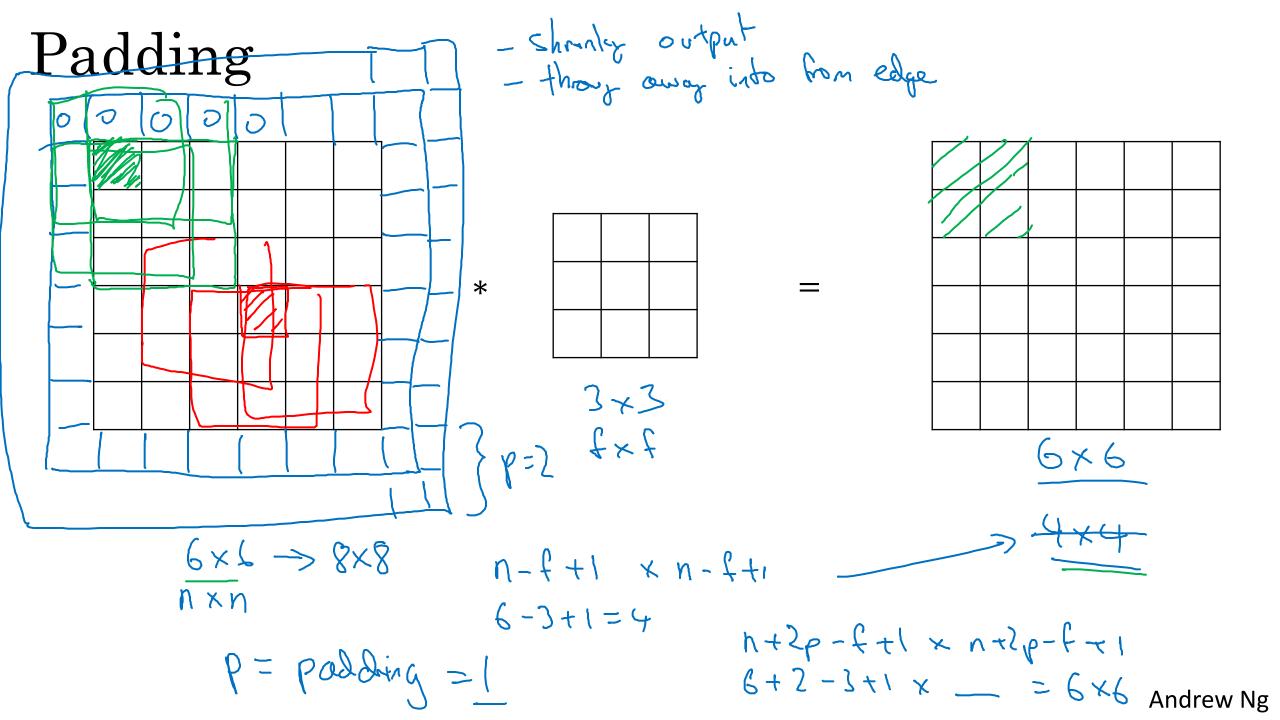


Convolutional Neural Networks

Padding



Valid and Same convolutions

"Valid":
$$n \times n$$
 \times $f \times f$ \longrightarrow $\frac{n-f+1}{4} \times n-f+1$ $6 \times 6 \times 3 \times 3 \times 3 \longrightarrow 4 \times 4$

"Same": Pad so that output size is the <u>same</u> as the input size.