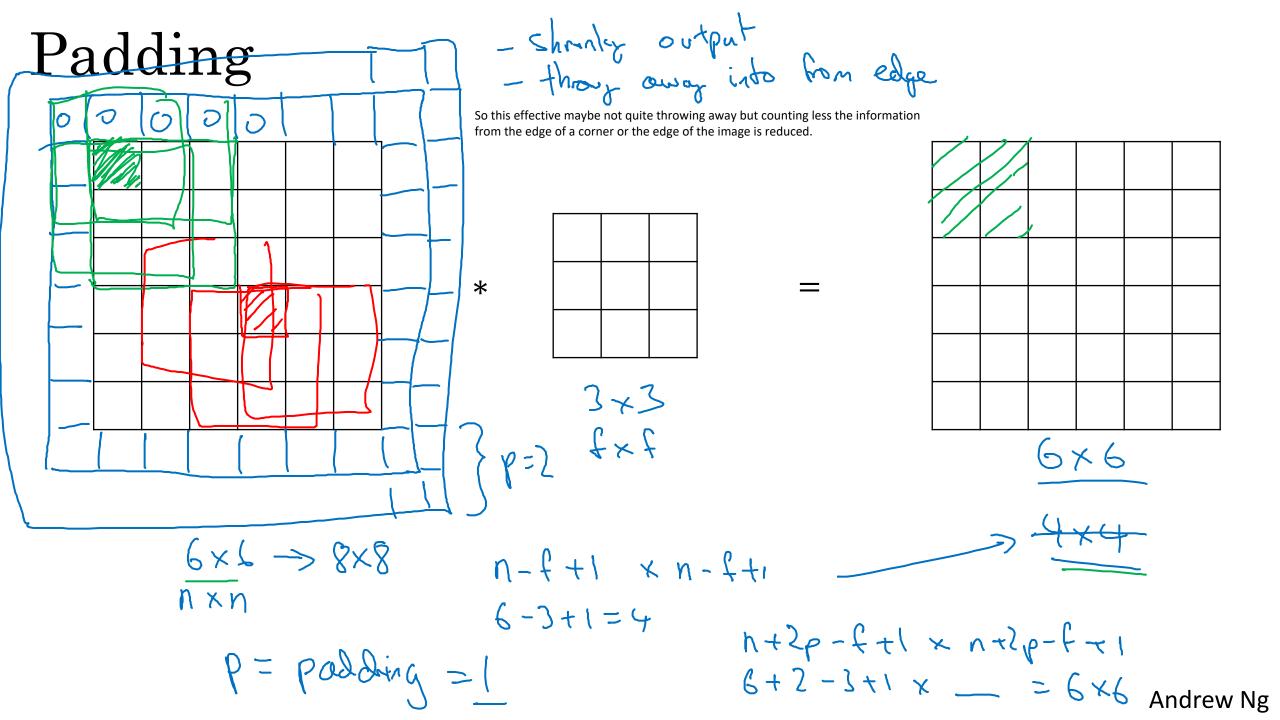


Convolutional Neural Networks

Padding



Valid and Same convolutions

How to pad

"Valid":
$$n \times n \rightarrow \frac{n-f+1}{4} \times n-f+1$$

$$6 \times 6 \rightarrow 3+3 \rightarrow 4 \times 4$$

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