Image Classification with Convolutional Networks

36 input nodes

too many weights to be computed, this method does not scale well!

6×6 pixels
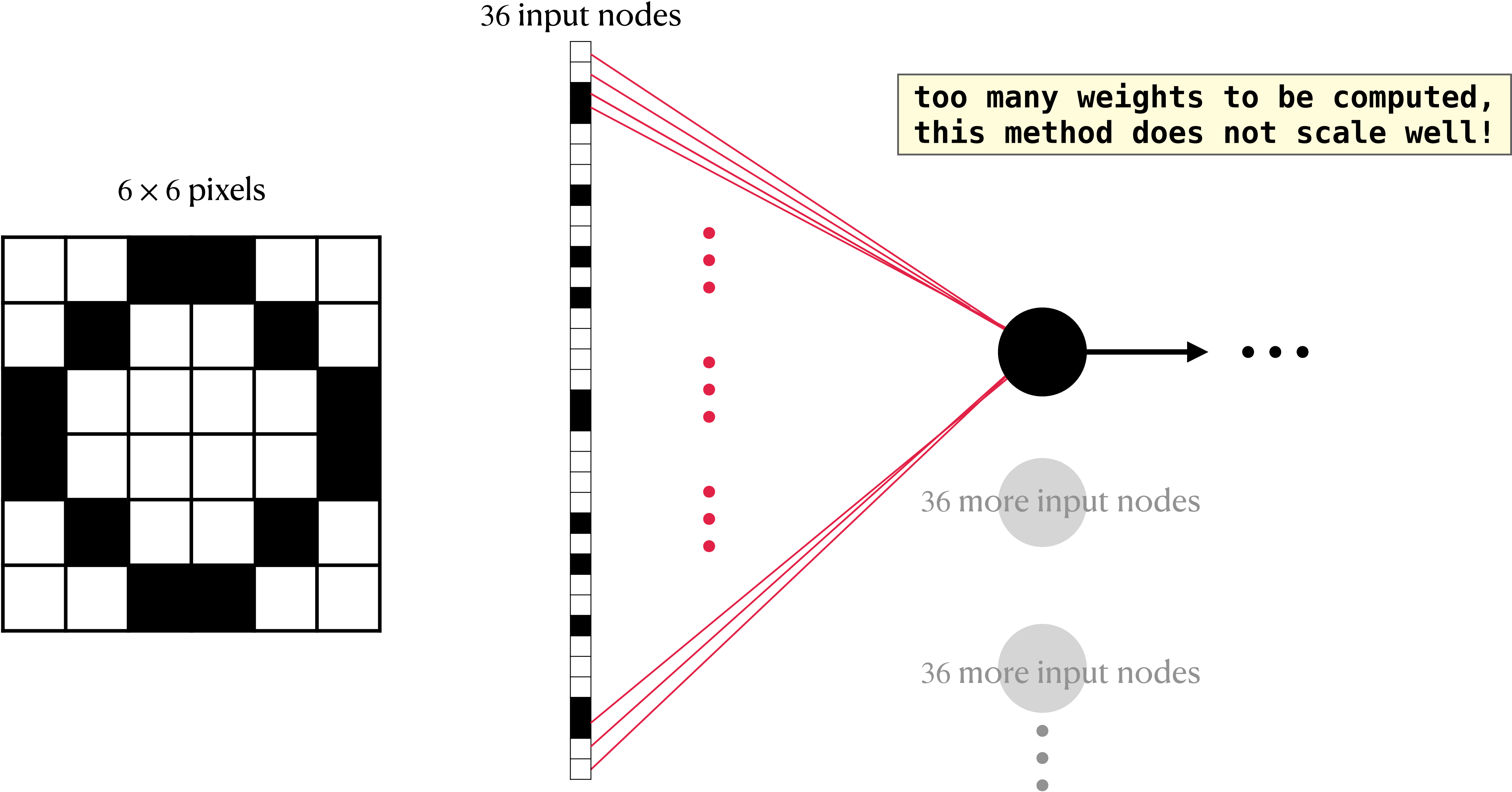
36 more input nodes

36 more input nodes

Image Classification with Convolutional Networks

Convolutional networks will

- reduces number of input nodes

- tolerate pixel shifts in image

- take advantage of pixel correlations