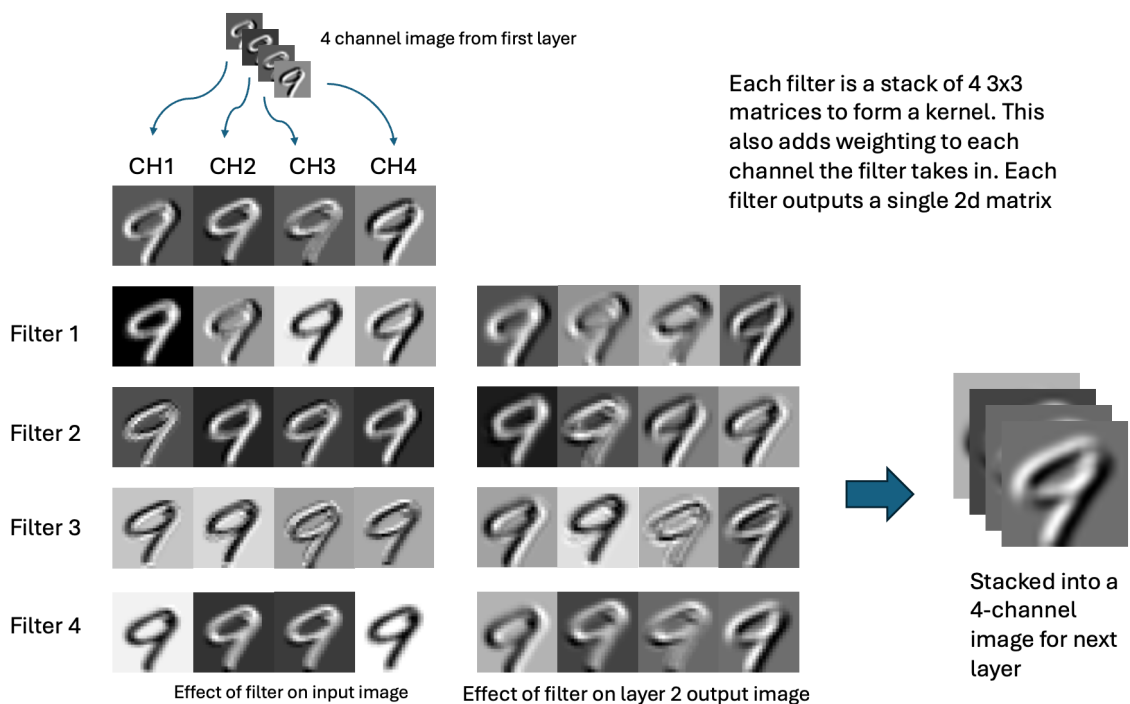
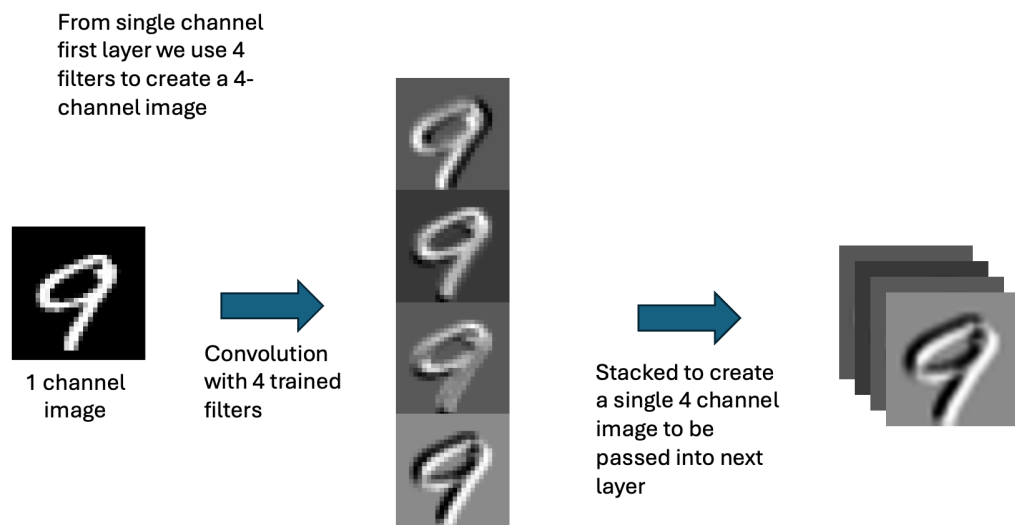


We start with a single input image with 1 channel (1 colour)



The 4 channel stack can then be passed into another convolutional layer or a linear layer that leads to a 0-9 prediction.

When defining a layer like : `layer = nn.Conv2d(in_channels, out_channels, kernel_size)`

This will lead to `out_channels` number of `kernel_size x kernel_size x in_channels` sized kernels.

ANY input number and output number is valid.