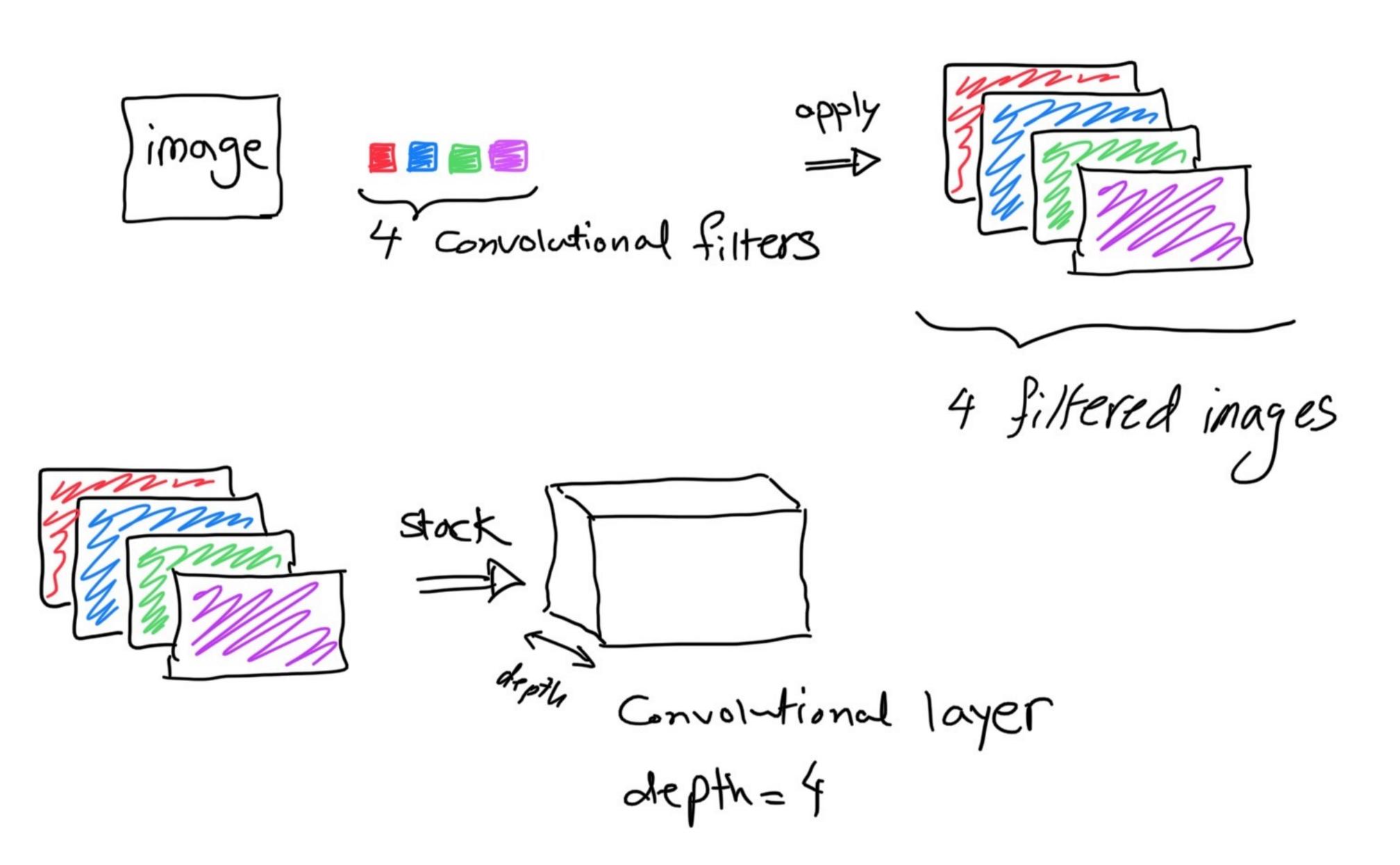
Overview of a Convolutional Layer



As we learn, our good in to find good weights for filters.

Number of Parameters in a Com layer

- · out_chamels = K
- Kernel_size = F
- last ralue in input_shape tuple = D_in

 \$ 1 for B/W

 3 for RGB

K x F x F x D_in + K parameters

weights per filter one bias term

per filter

Shape of a Conv Layer

- other than (k) and F above:
- S= Stride > depth of the layer
- · P= padding
- · W-in = height or width of previous layer

(W-in - F + 2P)/S + 1 -> spatial
we compute this For the dimentions of
final level.

a layer