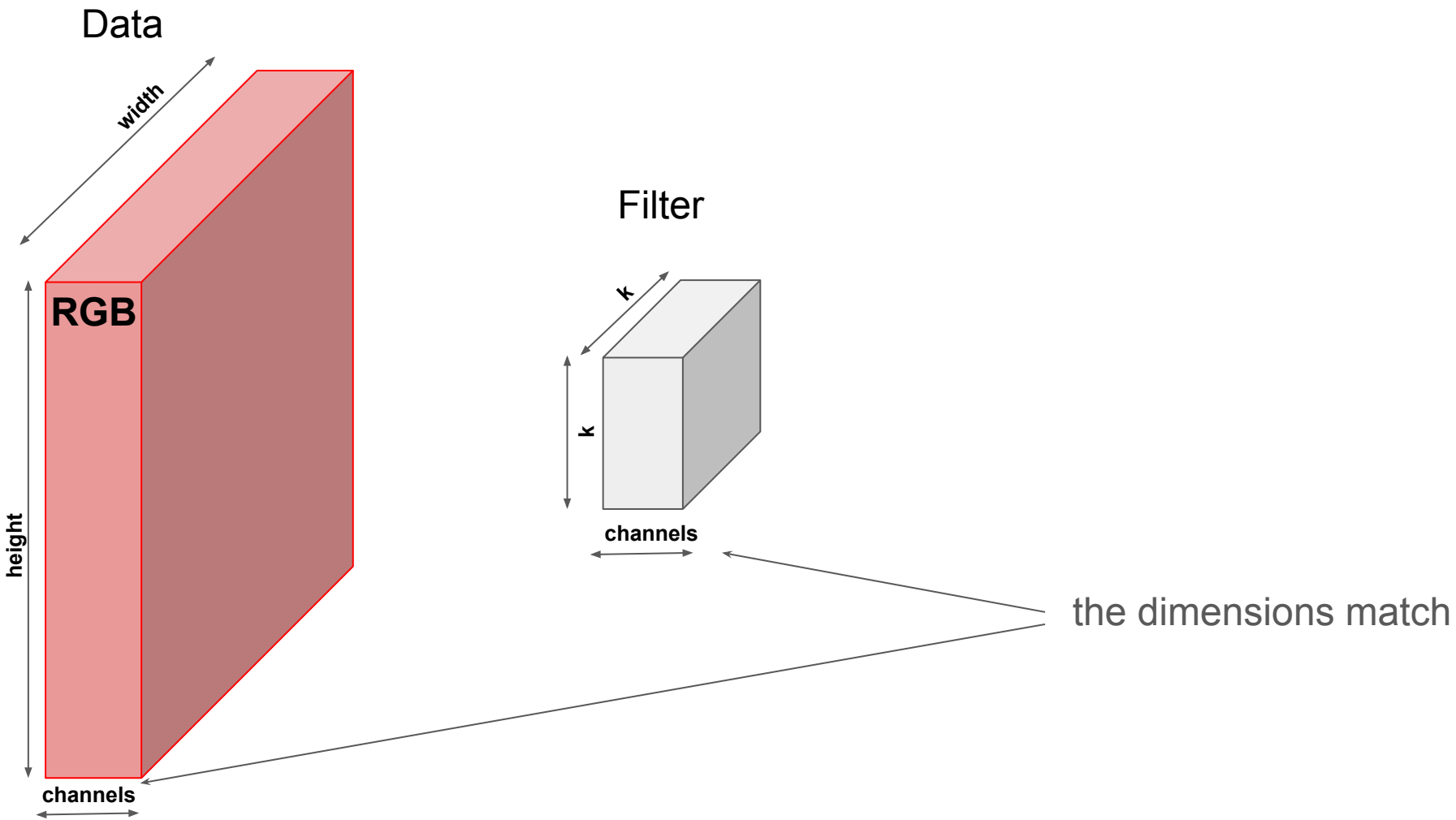
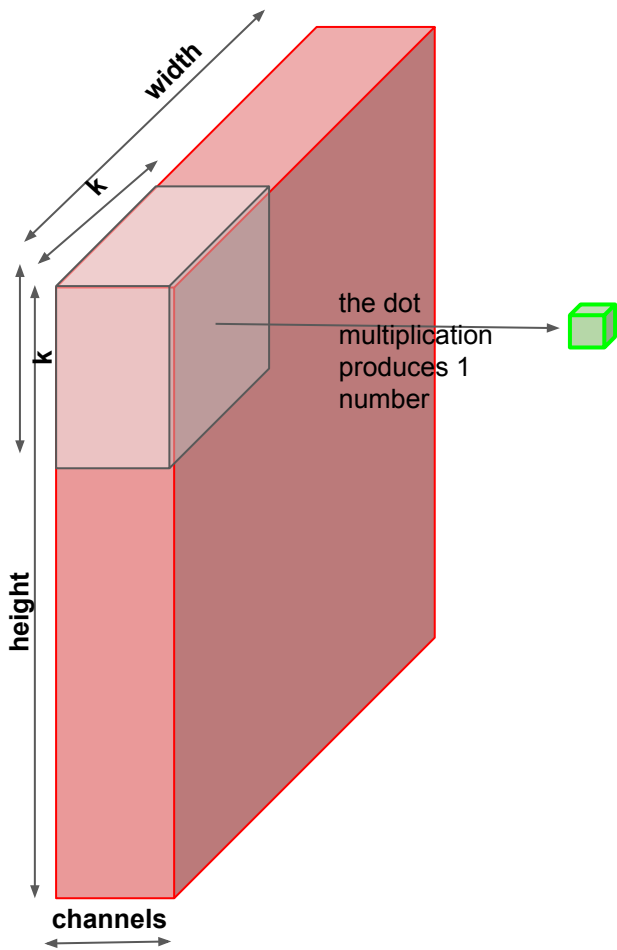


Layers

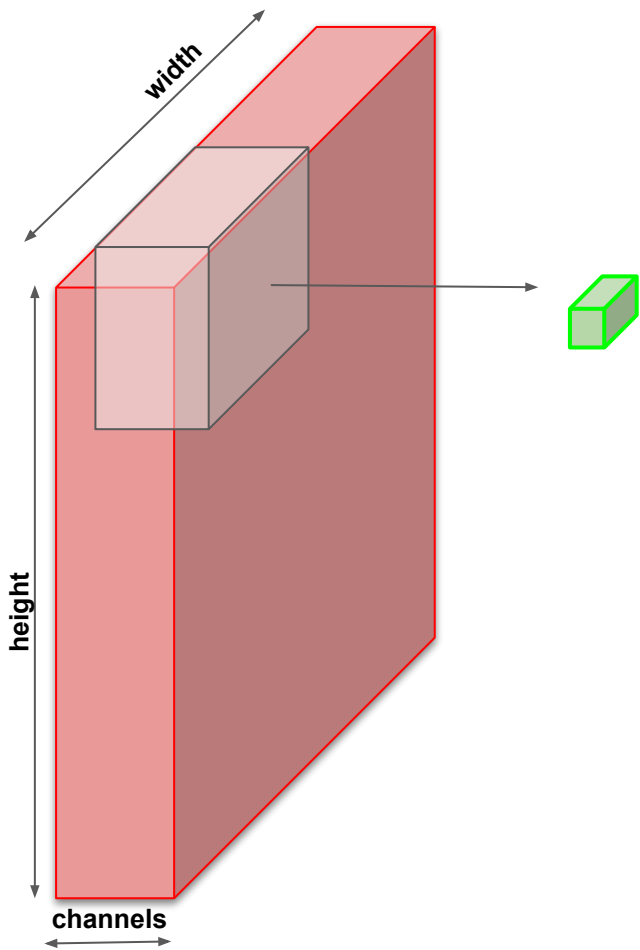
convolutional layer



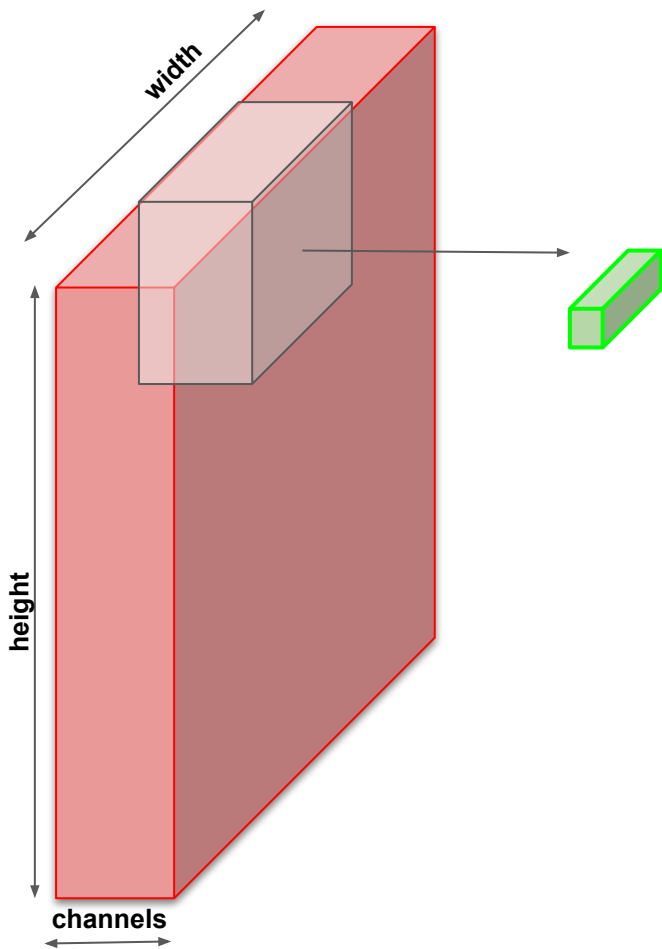
Data



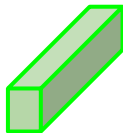
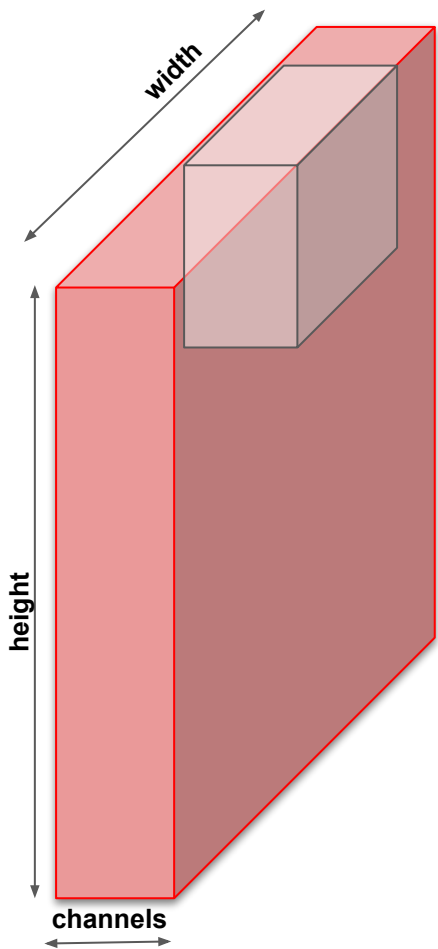
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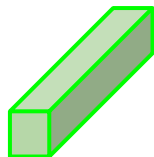
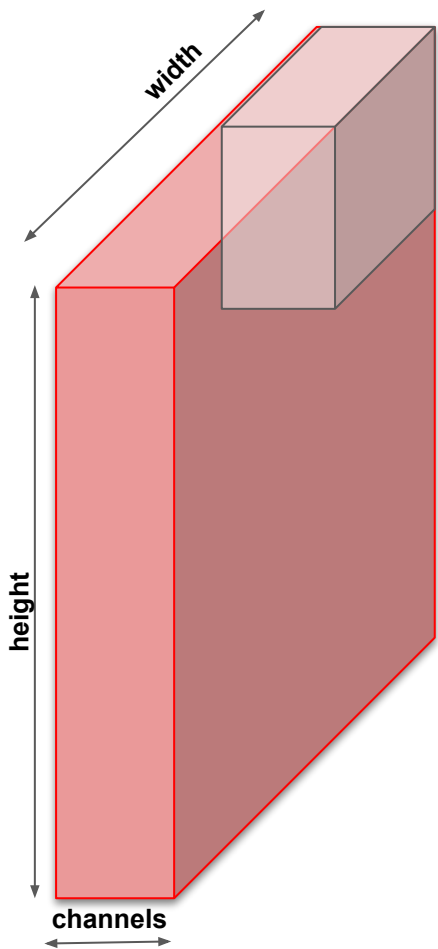
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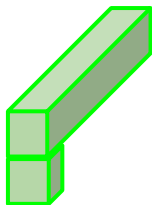
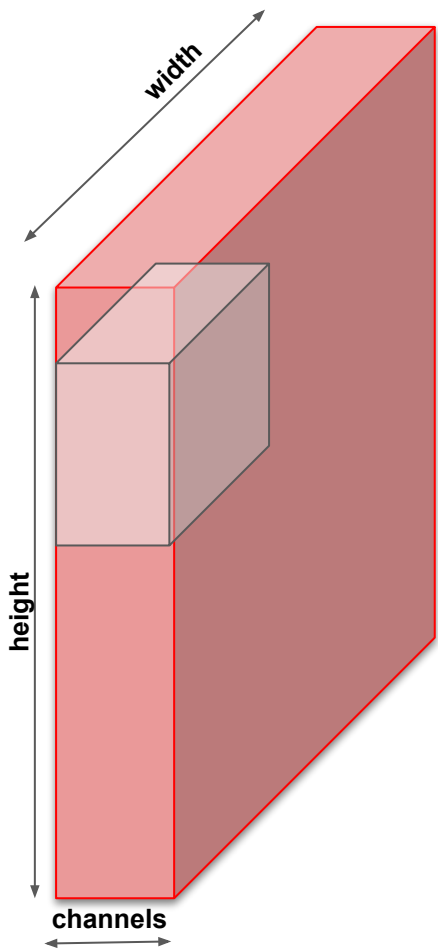
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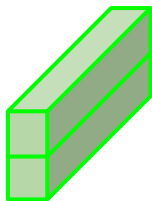
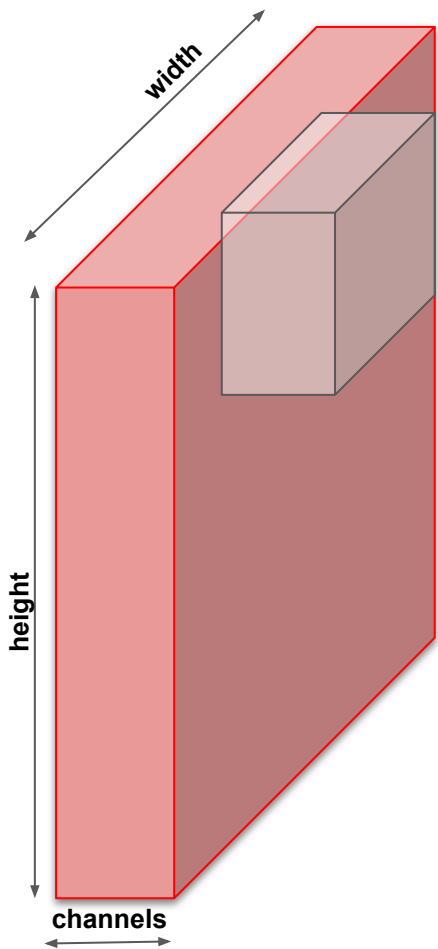
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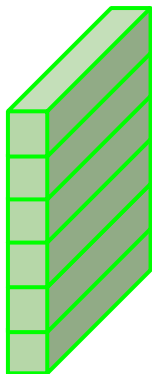
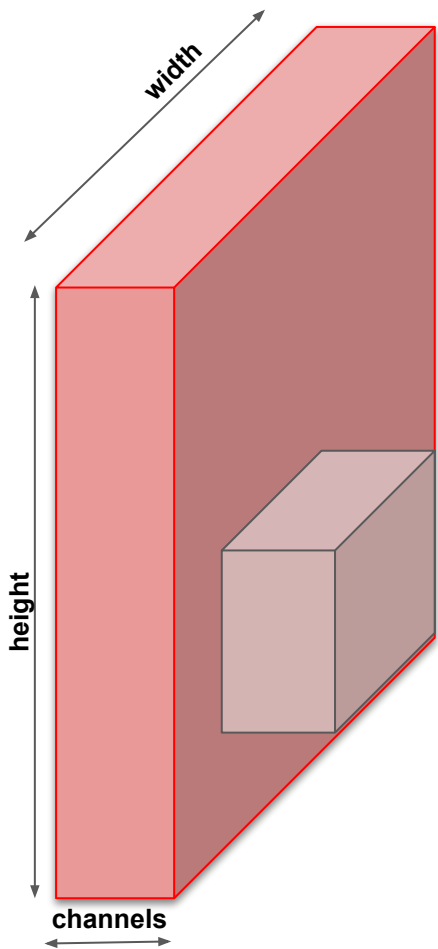
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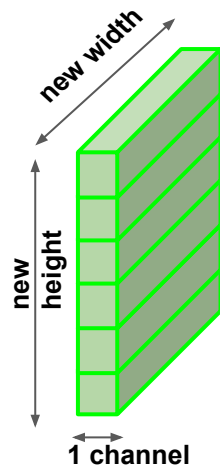
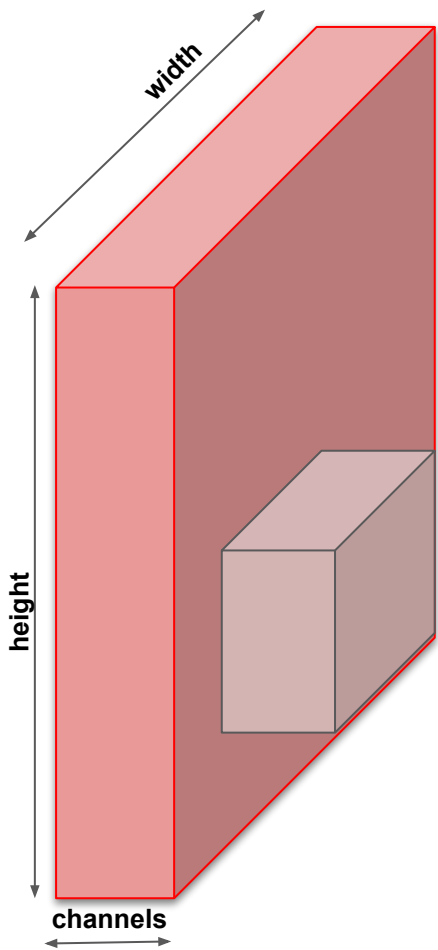
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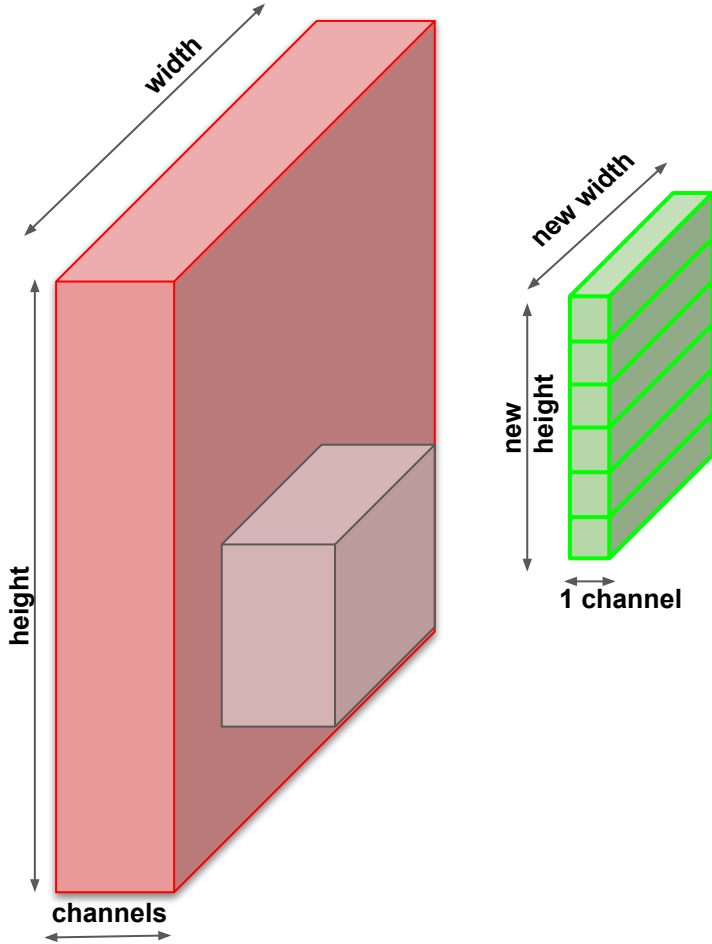
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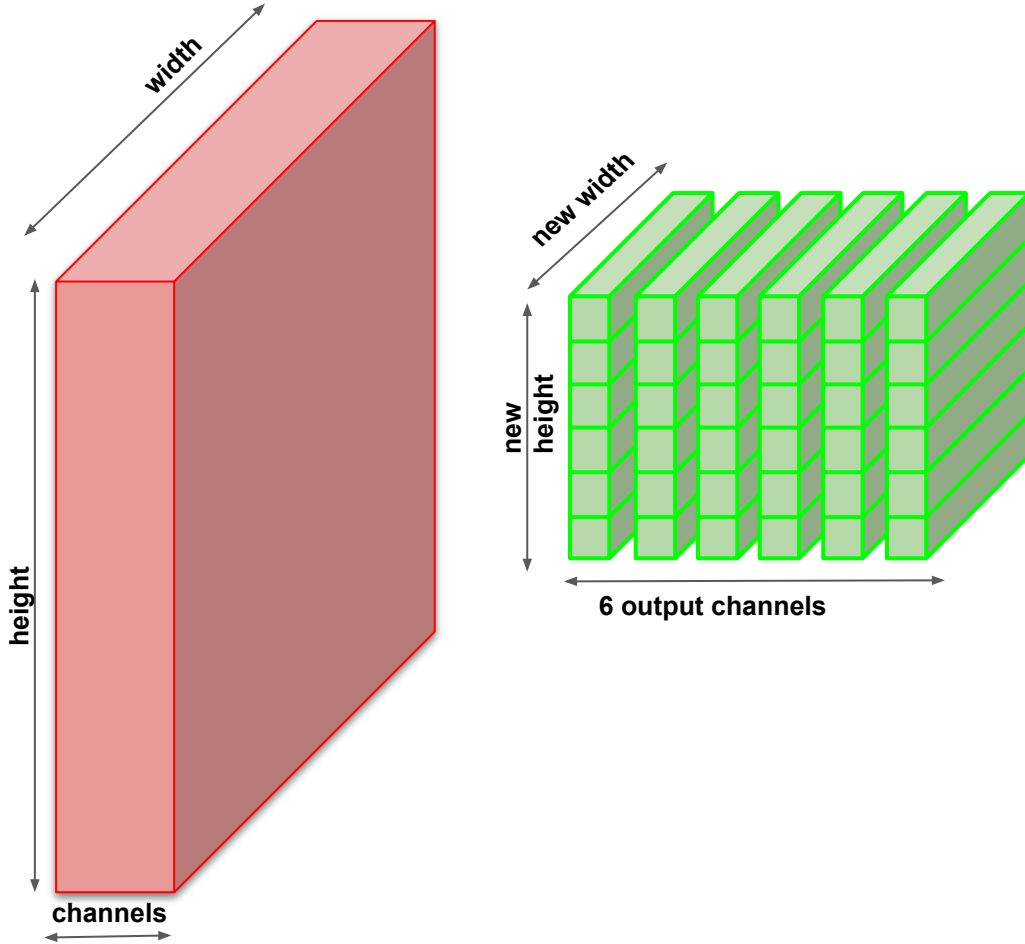
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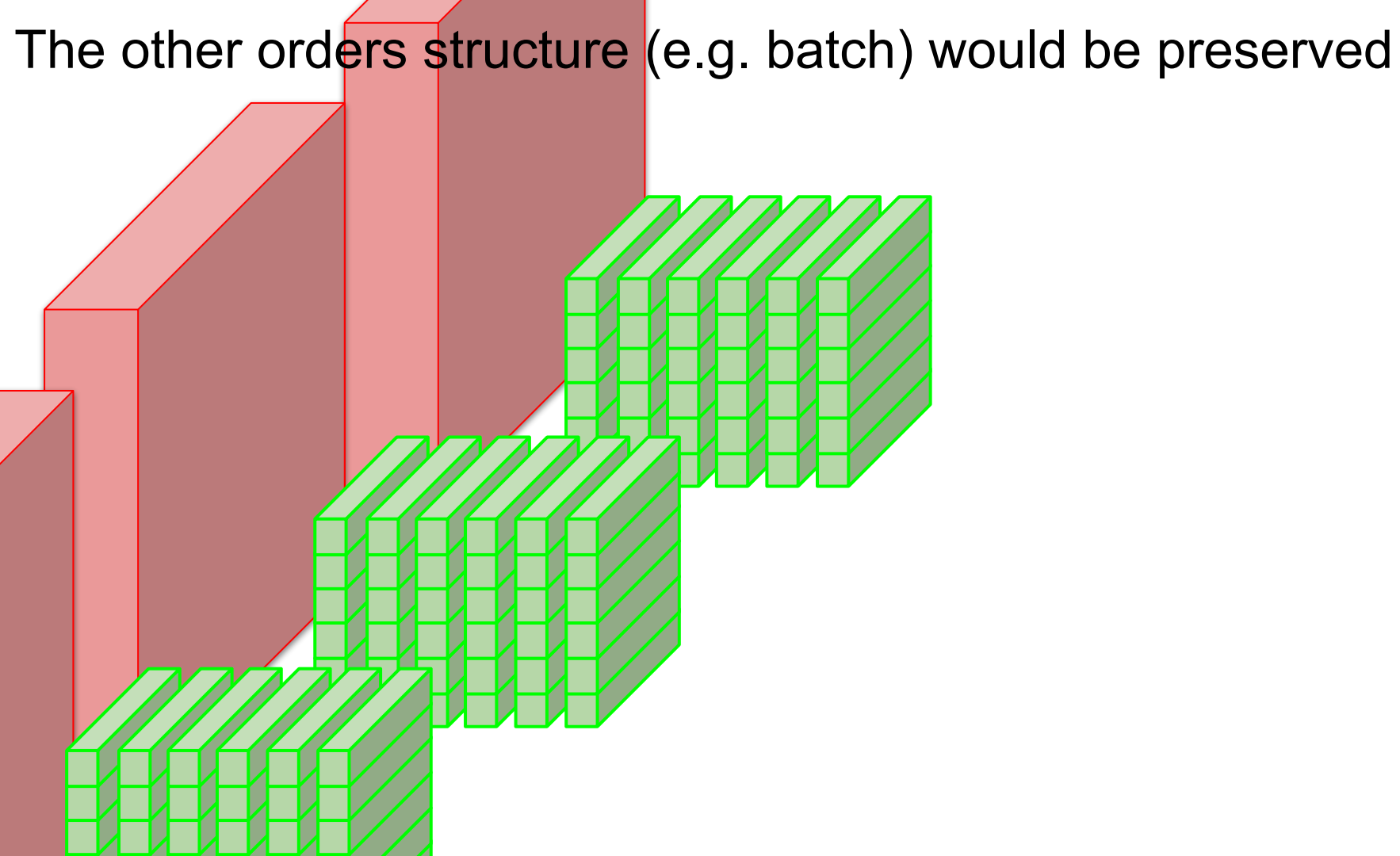


Convolutional layers typically have more filters



Convolutional layers typically have more filters





Convolutional Layer - Takeaways

- Dot product multiplication with a filter acts on (usually) three last orders: width, height and throughout all channels
- The filter is convoluted across the width and height orders
- The order structure is preserved, but the dimensionality may be changed for the last three orders: a new width and a new height dimension is produced, and the new channels dimension is equal to the number of filters used