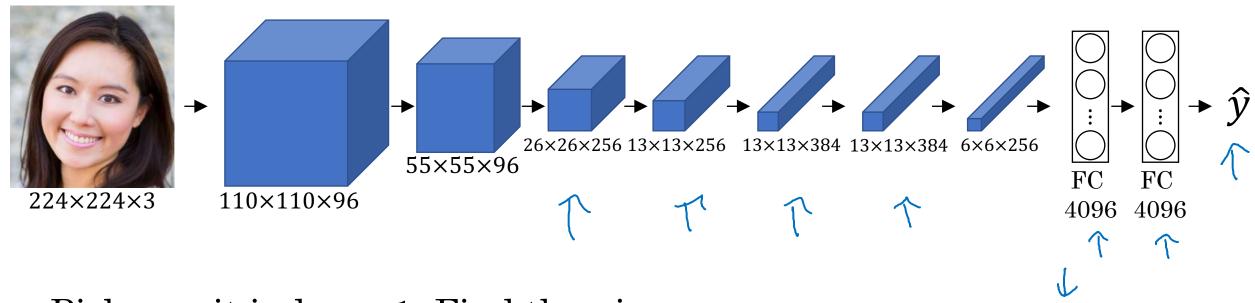


Neural Style Transfer

What are deep ConvNets learning?

Visualizing what a deep network is learning



Pick a unit in layer 1. Find the nine image patches that maximize the unit's activation.

Repeat for other units.



Visualizing deep layers



Layer 1



Layer 2



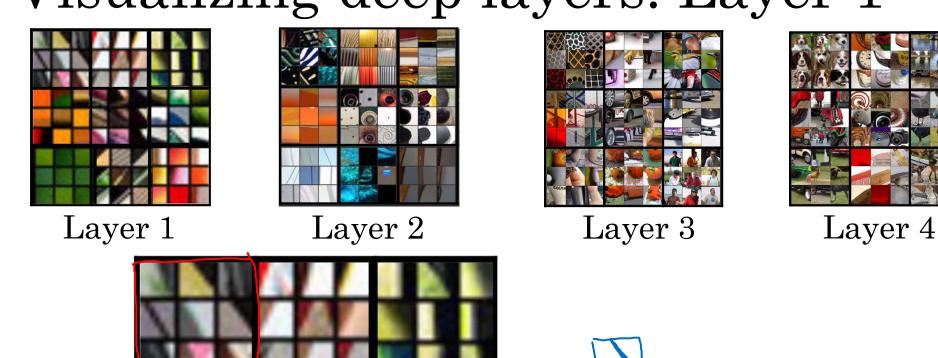
Layer 3



Layer 4



Layer 5







Layer 5











Layer 2



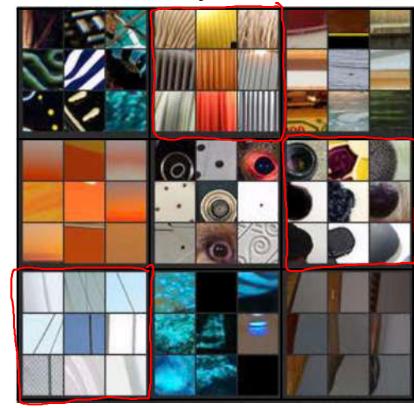
Layer 3



Layer 4



Layer 5





Layer 1



Layer 2



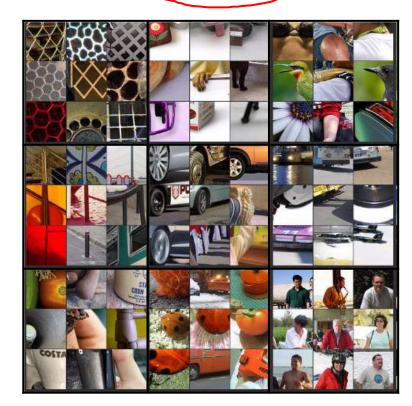
Layer 3



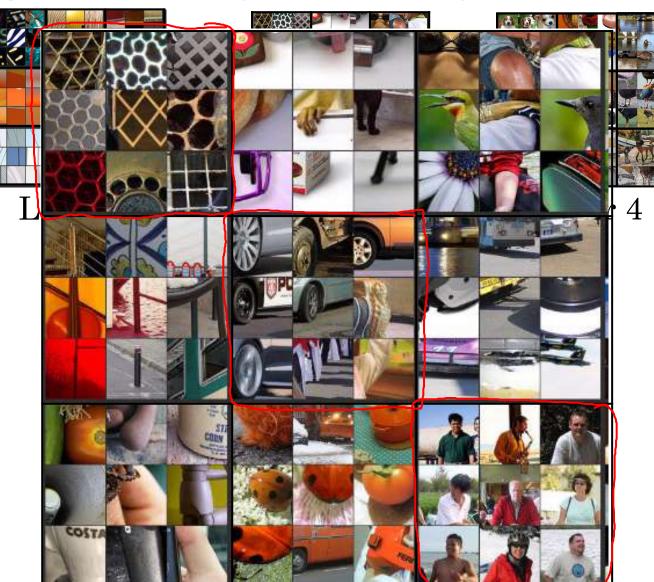
Layer 4



Layer 5









Layer 5

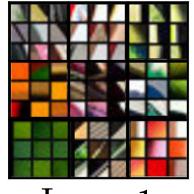




Layer 4

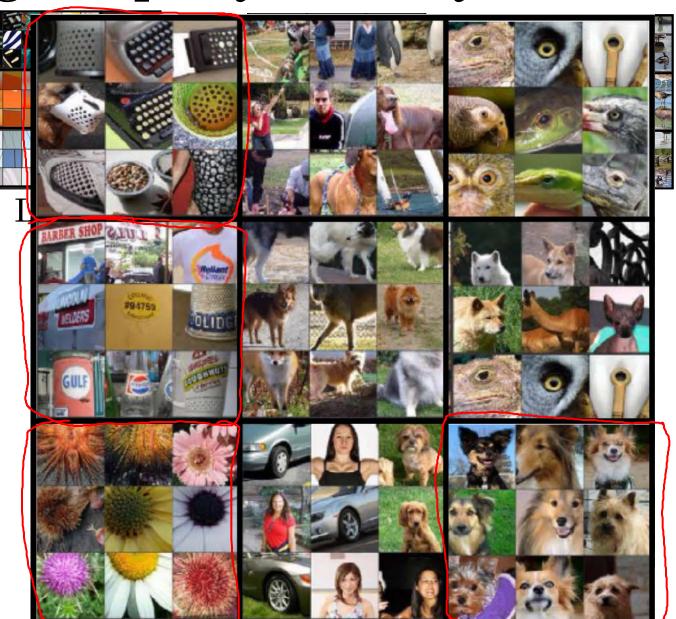


Layer 5



Layer 1







Layer 5