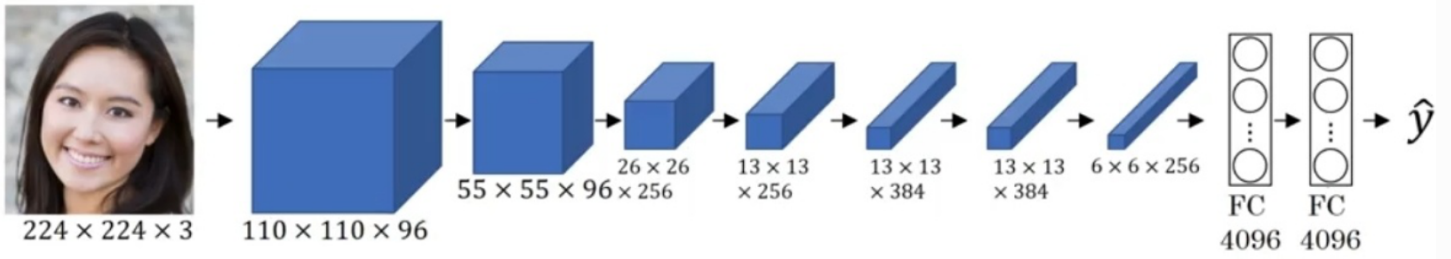
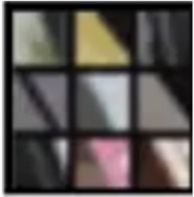


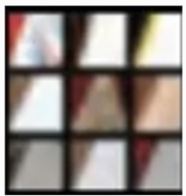
Visualizing what a deep network is learning



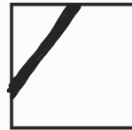
- Layer 1 example:



→ activates if it detects a diagonal



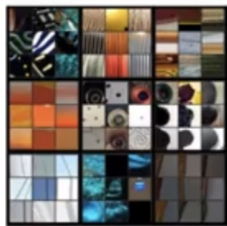
→ activates with



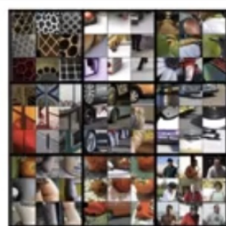
→ activates with orange-like pixels



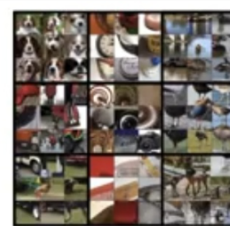
Layer 1



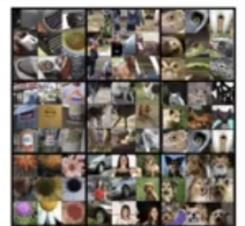
Layer 2



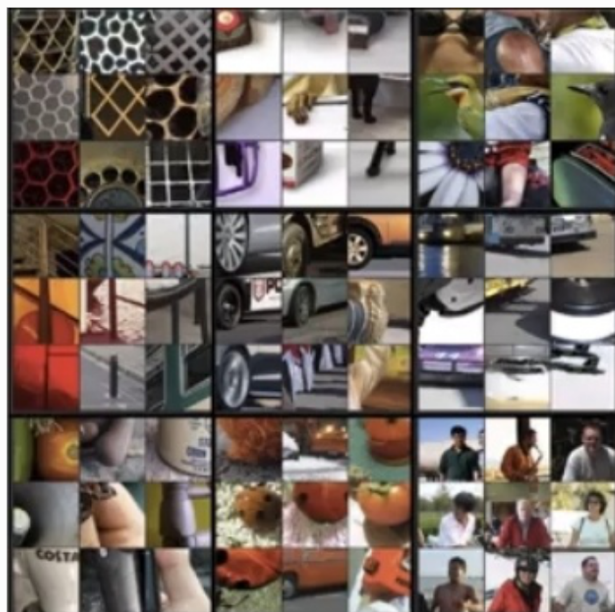
Layer 3



Layer 4



Layer 5



We see that each hidden unit learns to detect a class, and, as we have more layers, we can get more clear vision.