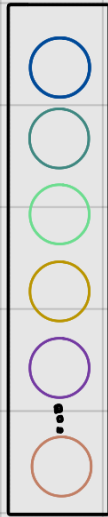


Convolutional Layer



9 units

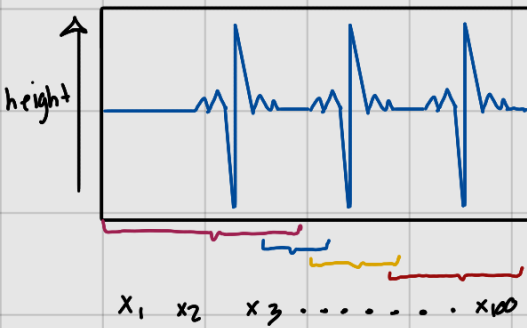
Each neuron only looks at part of the previous layer's outputs

Why?

- Faster computation
- Need less training data (less prone to overfitting)

Convolutional Neural Network

EKG



$$x_1 - x_{20}$$

$$x_{11} - x_{30}$$

$$x_{21} - x_{40}$$

$$\vdots$$

$$x_{91} - x_{100}$$

