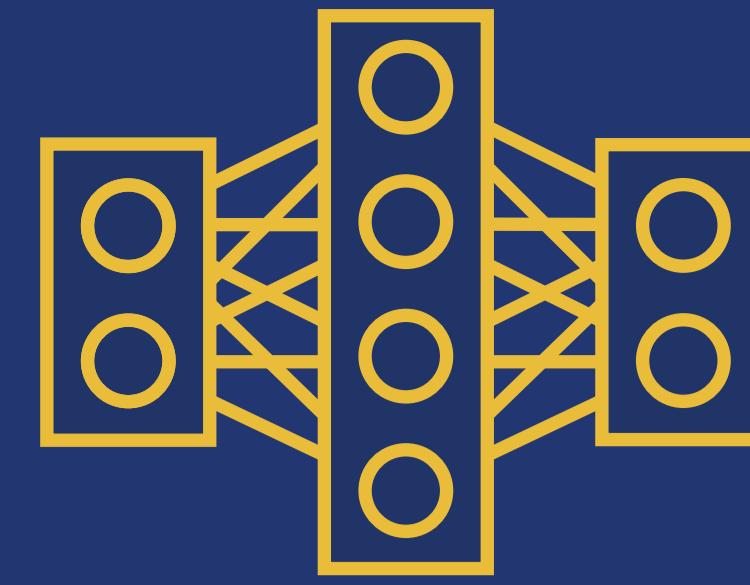


# MANIMML



## Communicating ML Architectures with Animation

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An open-source Python  library to generate animations of ML algorithms.

Extensible  Pytorch-like  Animations 

**GitHub**  
1.4k+★

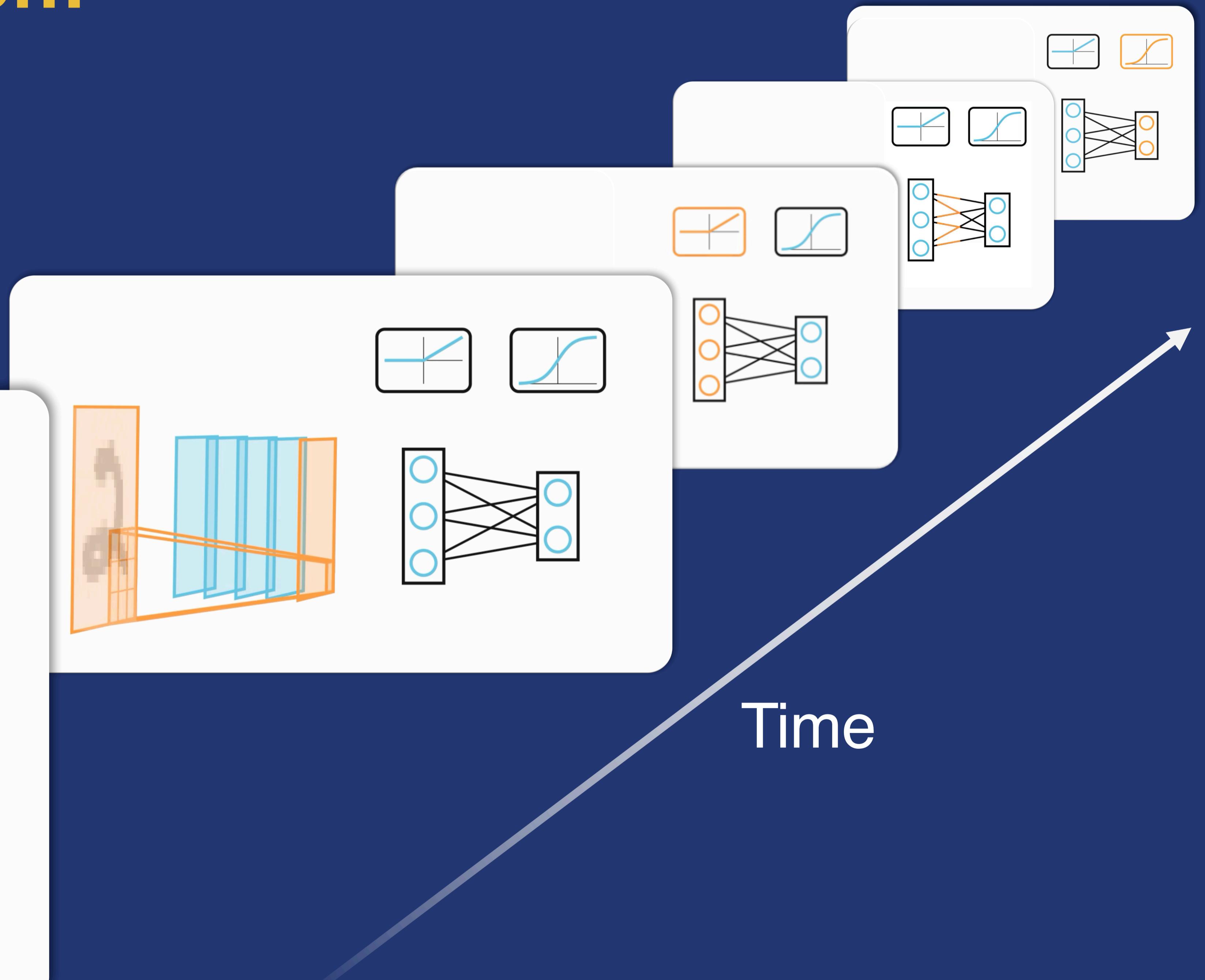
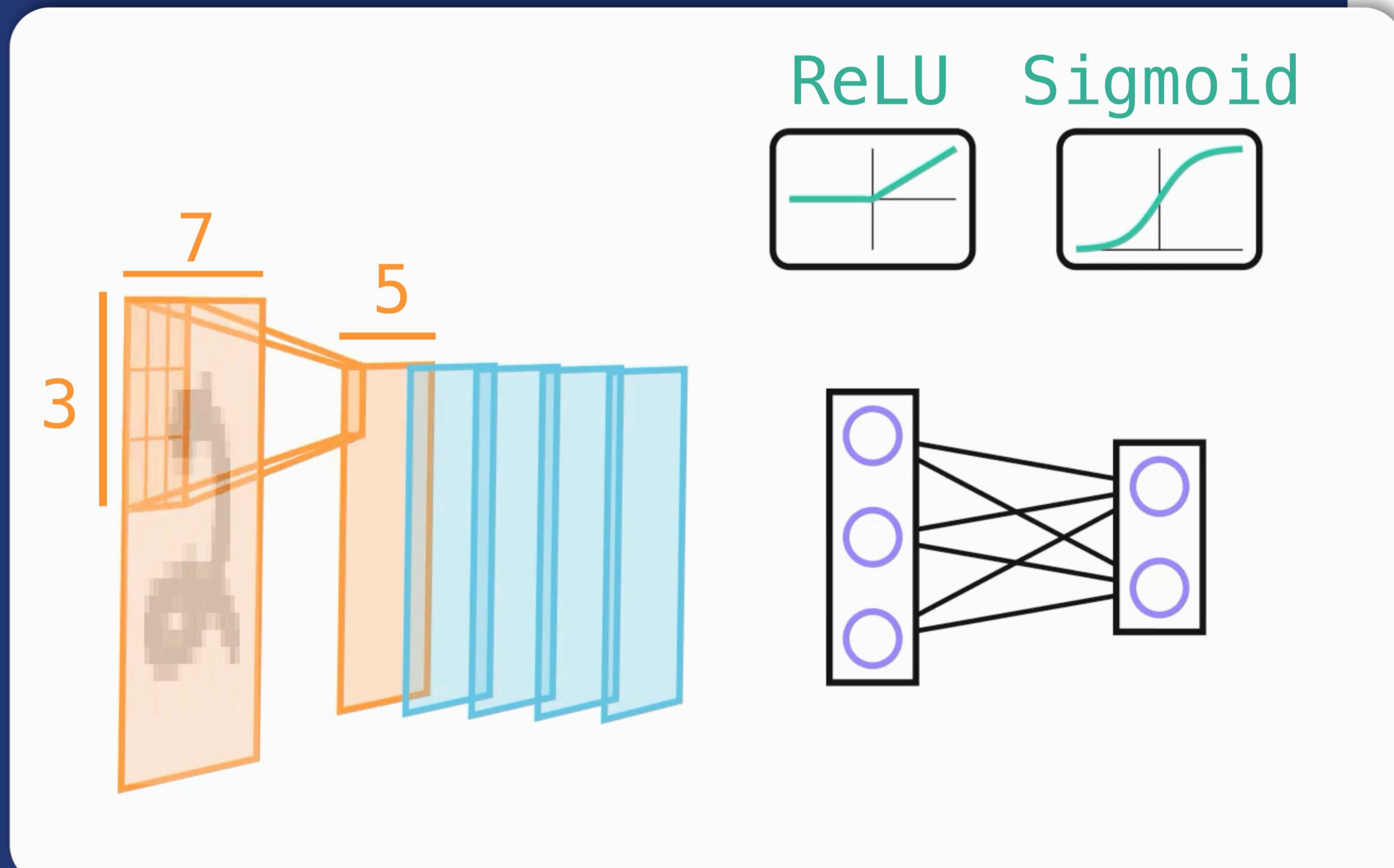


### Step 1 Specify Architecture with Code

```
model = NeuralNetwork([
    ImageLayer(image),
    Convolutional2DLayer(num_feature_maps=1, feature_map_size=7),
    Convolutional2DLayer(num_feature_maps=5, feature_map_size=5, filter_size=3),
    FeedForwardLayer(num_nodes=3, activation_function="ReLU"),
    FeedForwardLayer(num_nodes=2, activation_function="Sigmoid"),
])
self.add(model)
```

### Step 2 Play the Animation!

```
self.play(
    ForwardPass(model)
)
```



### Coming Soon!

More model classes  
e.g., decision trees

More algorithms, e.g.,  
neural net weight updates

Animations for transformers,  
diffusion models, etc.