1. There are multiple ResNet with different numbers of layers residual nets. There are ResNet-18. ResNet-34, ResNet-50, ResNet-101, ResNet-152, ResNet-1202.

From the code, besides different models with different layers of residual nets, I can see that there are ResNet, wide ResNet, and ResNet\_weights. The wide ResNet used a wider layer, and the ResNet\_weights used an existed parameter set to initialize the model.

1. ResNet uses deeper residual nets with lower complexity.
2. The input size of the images for ResNet-50 is 224x224.