Deep Learning : Residual Networks (ResNet)

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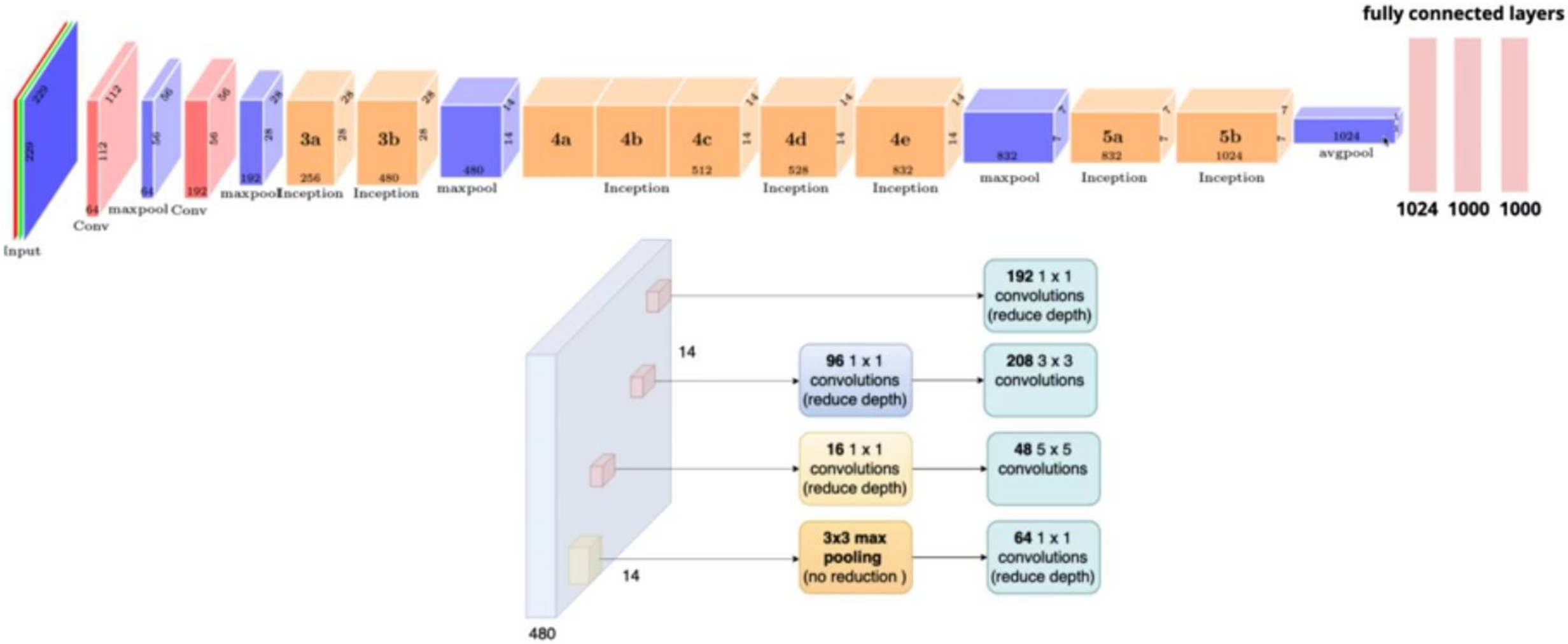
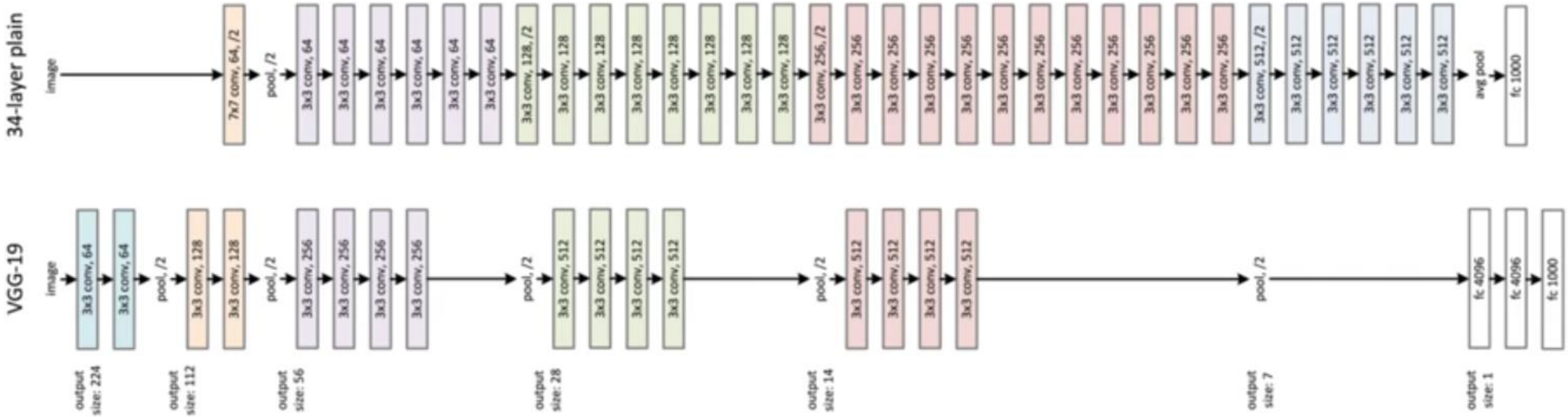
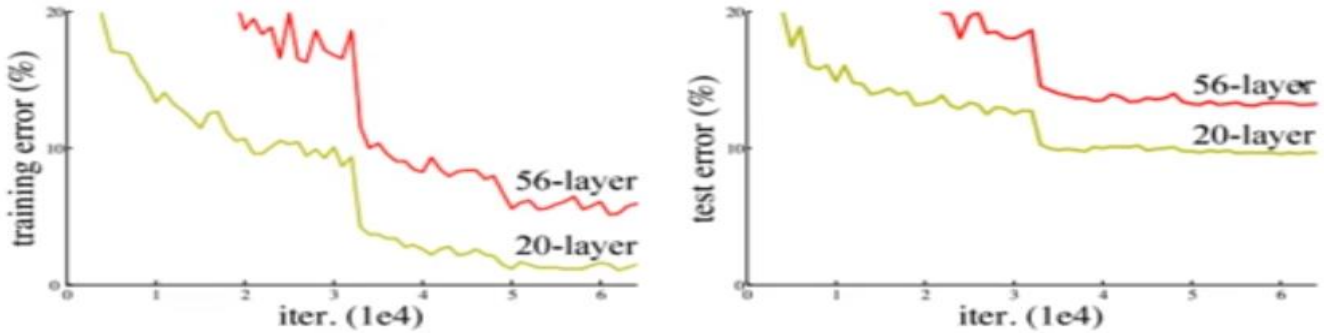
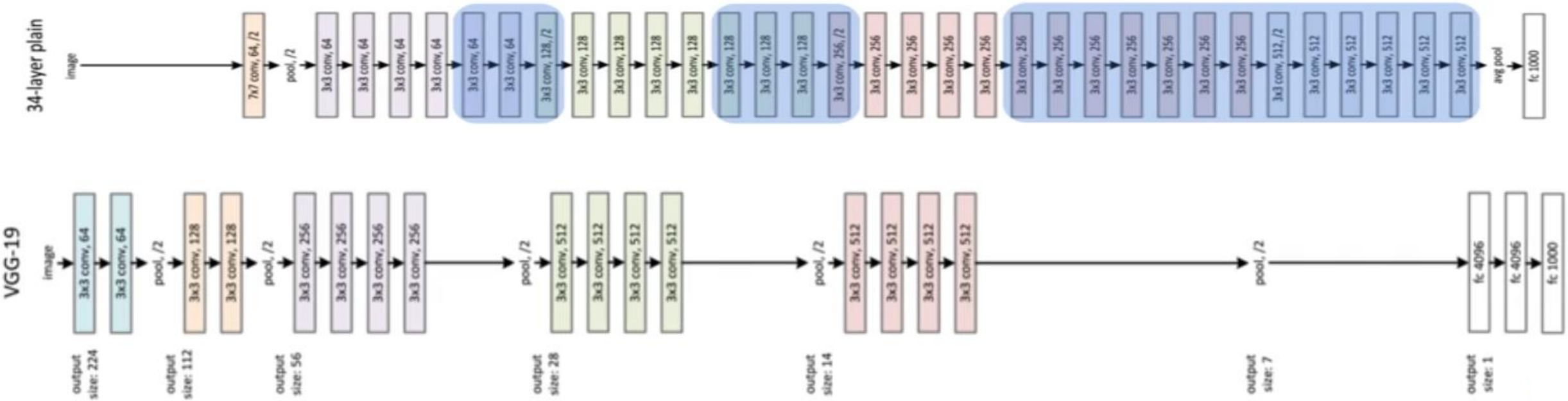


GoogLeNet
(What does the full network look like?)



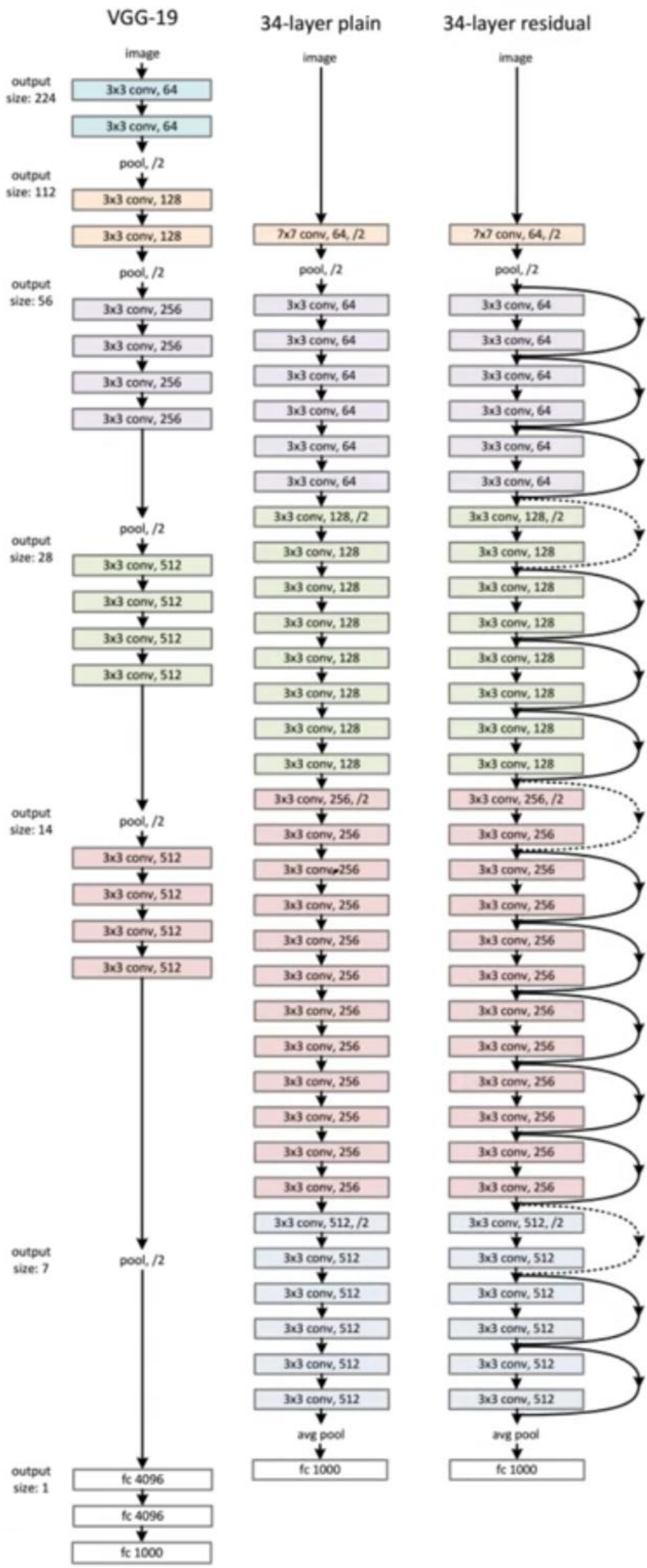
What happens when you increase the depth of the network with a very large amount?

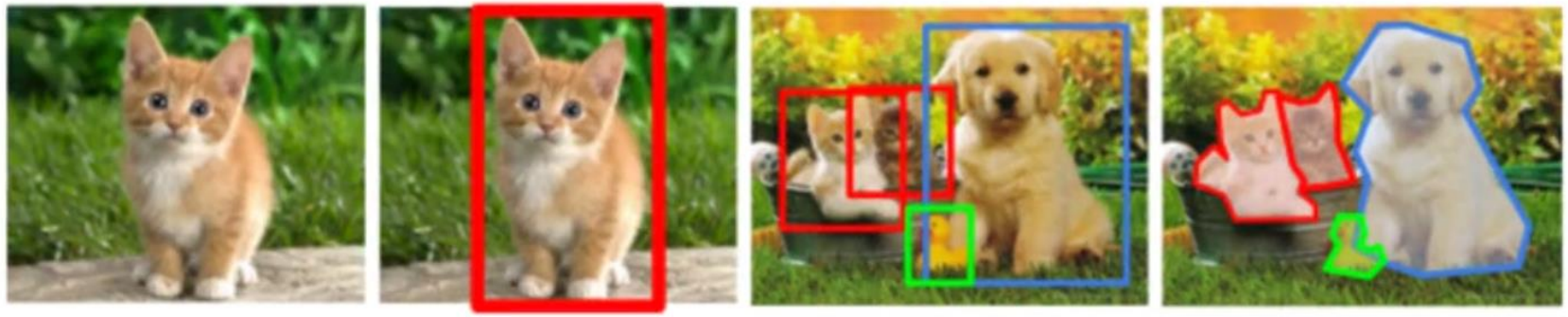




What happens when you increase the depth of the network with a very large amount?

Residual Network (Passing the input again)





Winner on the 5 main tasks:

- ImageNet Classification
- ImageNet Localization*
- ImageNet Detection*
- Coco Detection*
- Coco Segmentation*

*101-layered ResNet (2015)

How does it perform across tasks?