

Name:

Student ID:

Quiz 9

1. Please sketch the architecture of the "Basic" and "Bottleneck" Residual blocks.
2. Please compare their flops and provide a reason of using the Bottleneck Residual block.

Hint. Please see Lecture-09 pp.92–94.

3. Please sketch the architecture of the “Pre-Activation” ResNet Block.

Hint. Please see Lecture-09 p.100.

He et al, “Identity mappings in deep residual networks”, ECCV 2016, <https://arxiv.org/abs/1603.05027>.

4. Please sketch the architecture of the global average pooling used at the end of Residual Network.
Hint. Please see Lecture-09 p.87.