The file **mini\_ImageNet** contains the training and corresponding testing code for the neural network. The file **Layer\_graph** contains the network to be trained in this task. Before running **mini\_ImageNet**, we need to replace the train function in the file **Trainer** with the train function in the file **train**. The file **Trainer** is usually located in the toolbox folder that comes with Matlab (the specific location is as follows: toolbox\nnet\cnn\+nnet\+internal\+cnn\Trainer.m).

The files **imagenet\_train** and **imagenet**\_**val** contains the network to be trained in this task.

The files **train\_set** and **val\_set** show how to partition the original dataset.

The file **net\_pretrain** contains a neural network trained using the LEM algorithm (our method) for your reference and testing.