

## Assignment Sheet Nr. 5

Test set: Average loss: 0.0000, Accuracy: 1498/1506(99%) Best accuracy (val): 99.46879150066401. This results differs from the shown result on the Leaderboard: 99.3.

1. architecture: a CNN with 3 Conv2d layers activated with ReLU, 3 pool layers, fully connected layer and sigmoid for the classification.

```
self.model = nn.Sequential(
    nn.Conv2d(3, 11, 5),
    nn.ReLU(),
    nn.MaxPool2d(3),
    nn.Conv2d(11,13, 5),
    nn.ReLU(),
    nn.MaxPool2d(3),
    nn.Conv2d(13,15,5),
    nn.ReLU(),
    nn.ReLU(),
    nn.Relu(),
    nn.HaxPool2d(3),
    nn.Flatten(),
    nn.Linear(150, 1),
)
```

- 2. optimizer: Same as source code.
- 3. hyperparameters: lr same as source code.
- 4. data augmentation: RandomVerticalFlip and RandomHorizontalFlip.

5. normalization: same as source code.