***MNIST Database***

***Laboratory 12***

*Neural Networks*

Miguel Fernández Carratalá

Computer Science

Politechnika Krakowska

2019/20

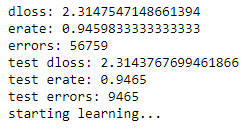
***Index***

Softmax Linear….………………………………………..……………3,4

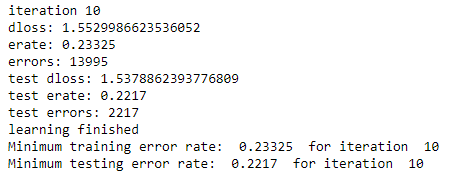
Softmax 1HL.…………………….…………………….………...……5,6

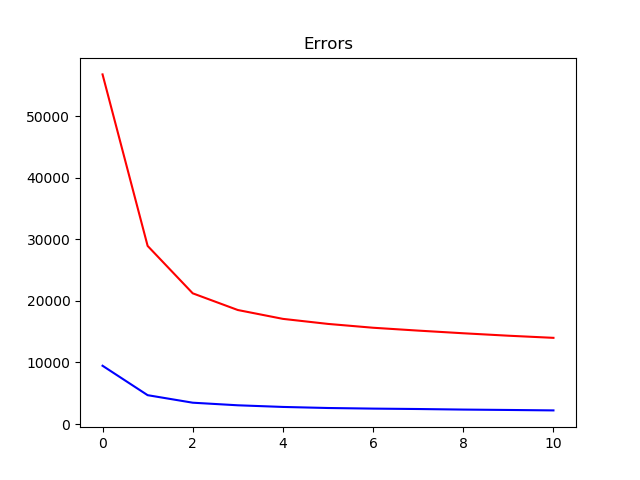
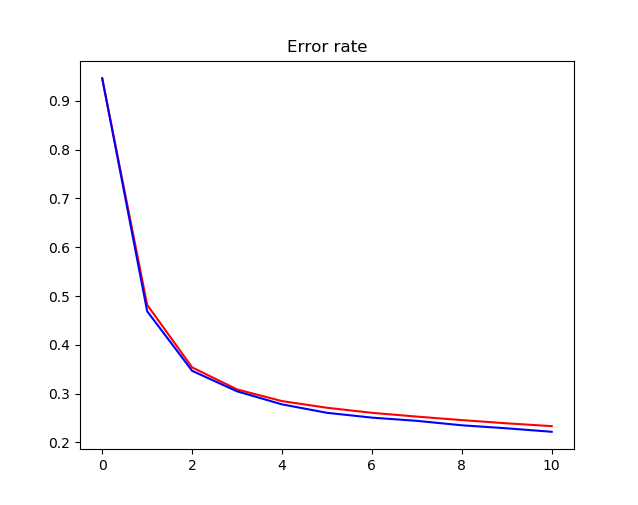
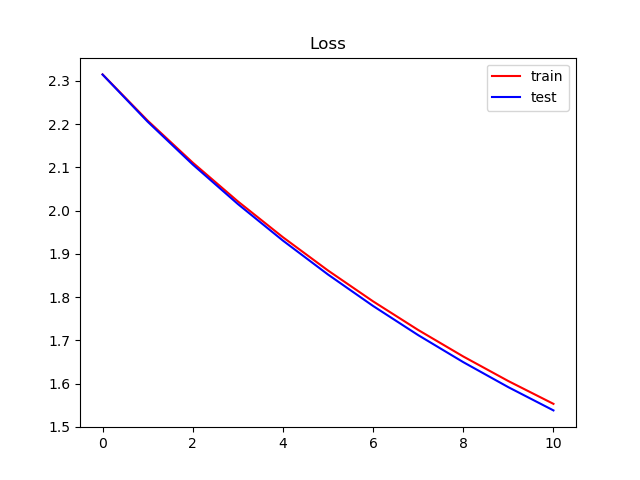
Softmax 2HL (with Regularization)..….…….………………………7,8

***Softmax Linear***

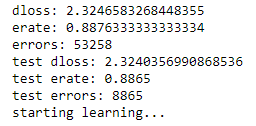


Best test error rate: 22.17%

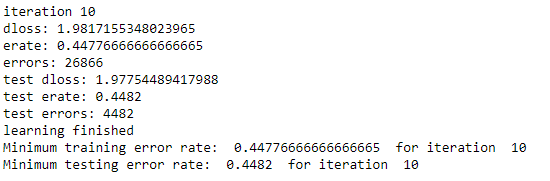


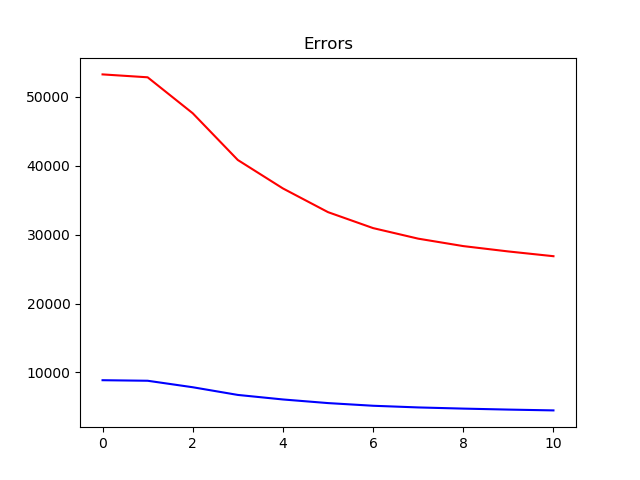
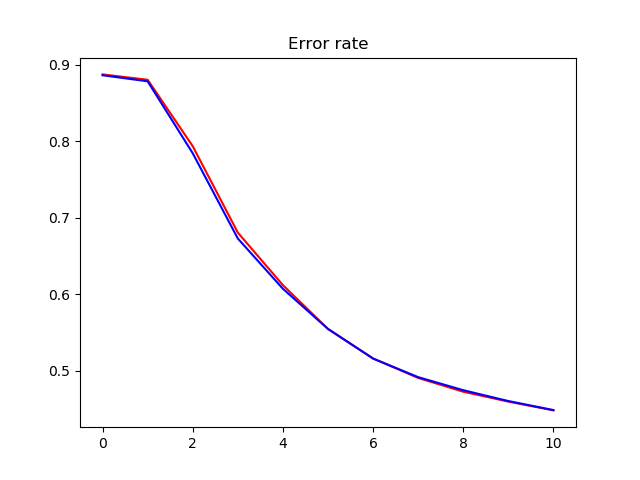
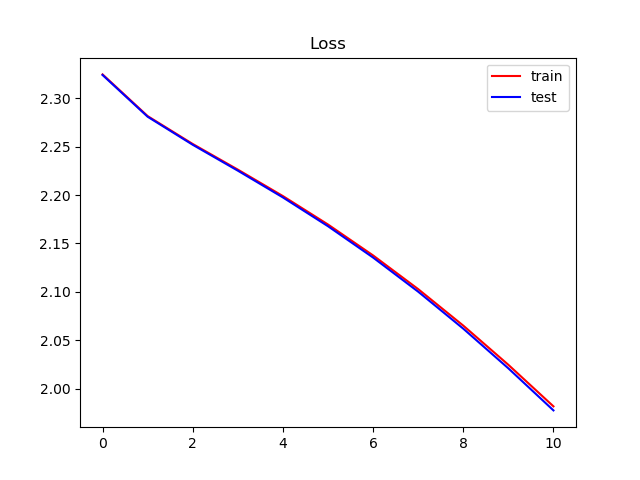


***Softmax1HL***

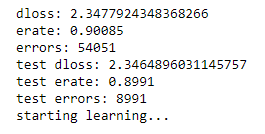


Best test error rate: 44.82%





***Softmax2HL with Regularization***



Best test error rate: 89.91%

