- 1. Solve the following exercises from [Bis24]:
 - (a) 12.4 pg 404
 - (b) 12.6 pg 404
 - (c) 12.7 pg 404
 - (d) 12.15 pg 405
- 2. Evaluate the Associative Memory example as a classifier over the MNIST data set. Report the performance metrics over the test dataset.
- 3. Build a Keras classifier model that uses the Associative Memory layer to perform classification. Train it and evaluate its performance over the test dataset. Analyze the *key* and *value* matrices learned. Discuss the results.

References

[Bis24] Bishop, C. M. & Bishop H. Deep Learning: Foundations and Principles, Springer, 2024.