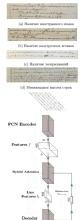
Decoding of handwritten diaries A.V. Sukhovo-Kobylin

Morozov Ivan Dmitrievich, group 417
Supervisor: Doctor of Technical Sciences Leonid Moiseevich Mestetsky

Lomonosov Moscow State University Faculty of Computational Mathematics and Cybernetics Department of Mathematical Forecasting Methods

2024 г.

Recognition of manuscripts by A. V. Sukhovo-Kobylin



Probs p.

Архитектура VAN

The main goal:

ullet Transcription of manuscripts (pprox 10000 pages) with a Character Error Rate of less than 5%

An alternative goal:

 To develop an algorithm for highlighting keywords based on weak decoding

Key features of the solution:

- Data preprocessing. Preparation and markup of the dataset.
- 2 Using CTC-loss. Use to work with gaps and unevenness.
- Vertical Attention Network architecture. Analysis of handwritten pages with vertical attention.