Université de Genève

Département d'informatique

UNIVERSITÉ DE GENÈVE
CENTRE UNIVERSITAIRE D'INFORMATIQUE

1 Implement in Python

There is given a data set of binary codes. This data set has two sub-sets:

a) a sub-set of the original codes *"original"*;

b) a sub-set of the corresponding modified codes *"modified"*.

Implement in Python a Deep Net binary mapper that will map the modified codes into the originals.

Calculate the regeneration accuracy of your mapper with respect to the original codes.

2 Additional information:

Each binary symbol is formed by 6×6 pixels.

3 Submission:

Your submission should include:

- The code written in Python.
- The trained filters of your mapper.
- README file that induces:
  - the list of the required libraries;
  - the explanation how to run the training process;
  - the explanation how to run the test process;
  - *(desirable)* the explanation how to run your code on the GPU;

Please archive your codes in "Name_Surname.zip" (replace "Name" and "Surname" with your real name), and send to <Olga.Taran@unige.ch>.