

## 2.- Entropy - Language Models

Complete the `entro.py` python program to estimate the entropy of a language from a given input text, using :

a) Order zero (unigrams):  $H = - \sum_x p(x) \log p(x)$

b) Order 1 (bigrams):  $H = - \sum_x p(x) \sum_y p(y|x) \log p(y|x)$

c) Order 2 (trigrams):  $H = - \sum_x p(x) \sum_y p(y|x) \sum_z p(z|xy) \log p(z|xy)$