

## 2.- Entropy - Language Models

Complete the `entrop.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): 
$$H = - \sum_x p(x) \sum_y p(y|x) \sum_z p(z|xy) \log p(z|xy)$$