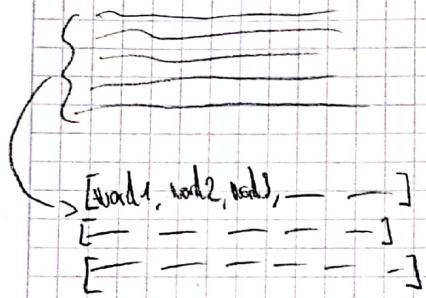


SHAKESPEARE TRAIN

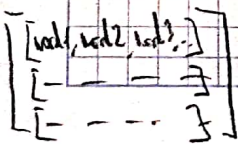


Every word in the sentence are stored with an ID.  $ID = \begin{pmatrix} \text{word1: } ID1 \\ \text{word2: } ID2 \\ \text{word3: } ID3 \\ \vdots \end{pmatrix}$

romanceso train data

Creation of batches of n elements (from the vocabulary)

During one epoch, it iterates every word in the batch.



INPUT: "word1" "word2" "word3"

[ID1] [ID2] [ID3]

Embedding heights

[hidden layer 1] [hidden layer 2] [hidden layer 3]

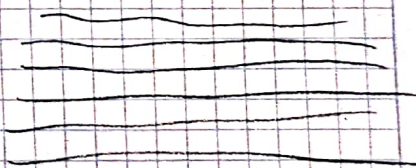
heights

Un-embedding heights

[model]

romanceso sample

SAMPLE.TXT



where every sentence is a word composed of word n and ID n.