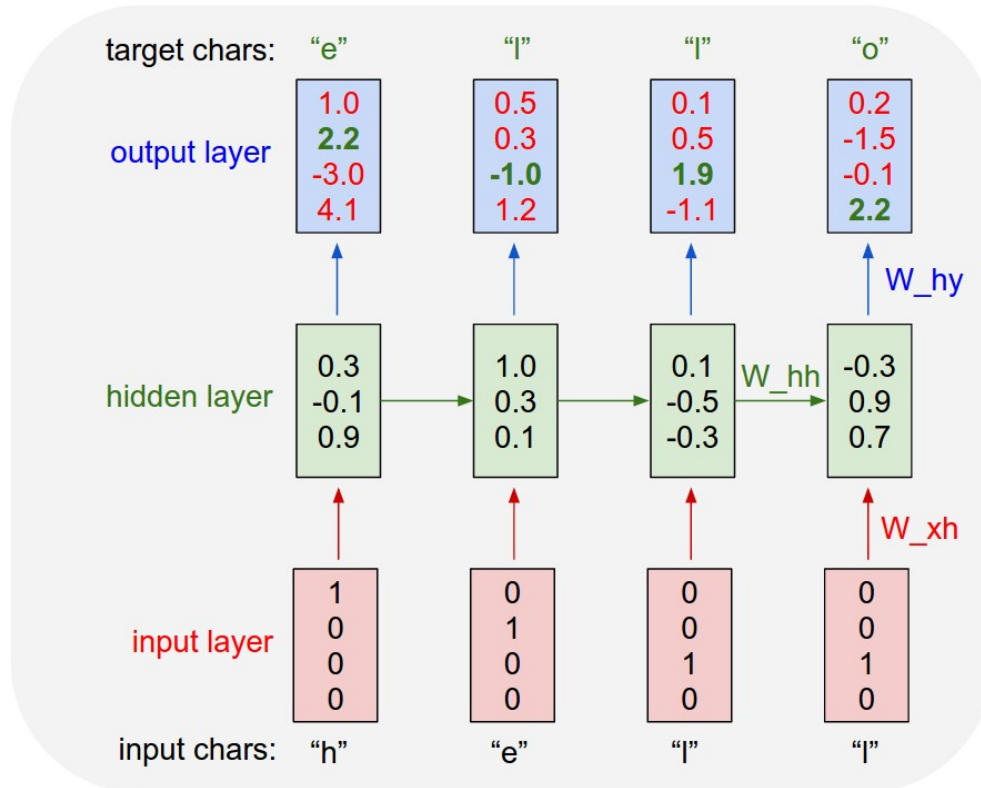


Text generation on Fernando Pessoa

In this notebook, we'll build a character-wise RNN trained on Fernando Pessoa. It'll be able to generate text from a given prompt.

This network is based off of Andrej Karpathy's [post on RNNs](#) and [implementation in Torch](#). , [Ozair](#) on GitHub. Below is the general architecture of the character-wise RNN.



```
import time
from collections import namedtuple
```

```
#!pip install numpy
import numpy as np
import tensorflow as tf
```



The default version of TensorFlow in Colab will soon switch to TensorFlow 2.x. We recommend you [upgrade](#) now or ensure your notebook will continue to use TensorFlow 1.x via `TF_FORCE_GPU_ALLOW_GROWTH=true`.

First we'll load the text file and convert it into integers for our network to use. Here I'm creating a function to convert characters to integers. Feeding the characters as integers makes it easier to use as input in the network.

