temp1_new

September 30, 2020

Question 1a.

$$S = \begin{bmatrix} 10.9 & -12.7 \\ -12.7 & 26.7 \end{bmatrix}$$

$$\begin{split} r_t &= \mathsf{sigmoid}(W_{ir}x_t + b_{ir} + W_{hr}h_{t-1} + b_{hr}) \\ z_t &= \mathsf{sigmoid}(W_{iz}x_t + b_{iz} + W_{hz}h_{t-1} + b_{hz}) \\ n_t &= \mathsf{tanh}(W_{in}x_t + b_{in} + r_t * (W_{hn}h_{t-1} + b_{hn})) \\ h_t &= (1 - z_t) * n_t + z_t + h_{t-1} \end{split}$$

[1]: mylist = [1,2,3,4] print(mylist)

[1, 2, 3, 4]

This is a formula here:

$$x^2 + y^3 + 4 * zyx$$

[2]: mylist.append(5) mylist

[2]: [1, 2, 3, 4, 5]

[3]: print("hi my name is giraffe i like to pirouette during nutracker ballet")

hi my name is giraffe i like to pirouette during nutracker ballet

$$\sum_{n=0}^{\infty} \frac{x^n}{n!}$$