



Parameters: W_{hy} , W_{xh} , W_{hh}

1. Complete the following:

$$h_1 =$$

$$h_2 =$$

$$\hat{y}_1 =$$

$$\hat{y}_2 =$$

2. Write down the training set using one-hot encoding if the ~~input~~ input sequence is **abbbab**

3.

3. Complete the following:

$$P(X_3 = "b") = \hat{y}_{-3}$$

4. The cost associated with \hat{y}_2 is
(N.B., the training sequence is abbbcb)

5. The total cost is the sum of the costs associated with $\hat{y}_0, \hat{y}_1, \hat{y}_2, \dots, \hat{y}_n$.
Write it down