Time: 12 Minutes

Given an RNN neural network with:

input_data = "this is his tie"
hidden_size = 12
time_steps = 9

Assuming that the input characters are one-hot encoded,

What is the shape of the W_xh ? _____

What is the shape of the W_hh ? _____

What is the shape of the W_hy ? _____

What is the shape of the b_h ? _____

What is the shape of the b_y ? _____