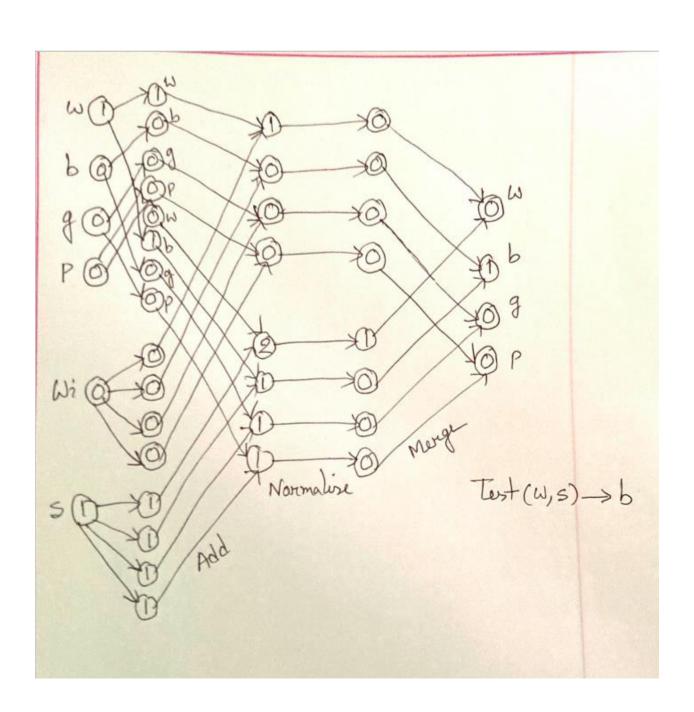
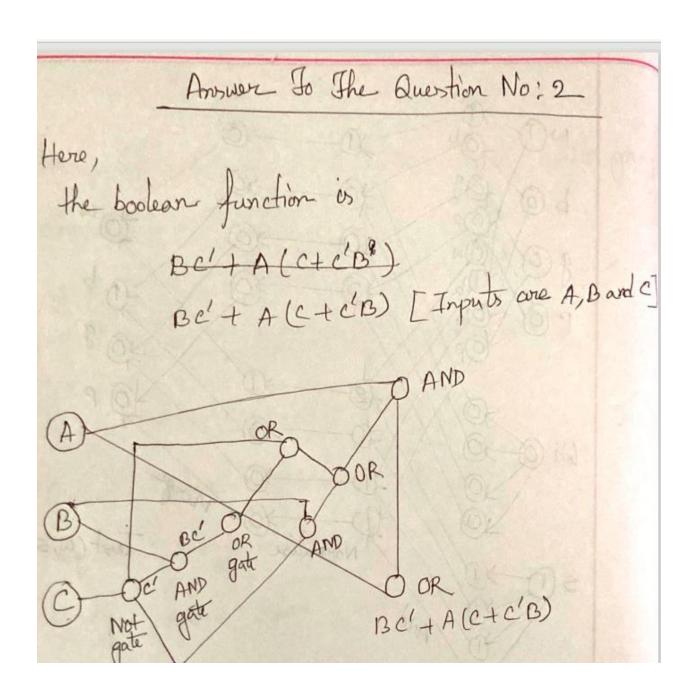
Answer To The Question No: 1 Here, different color of clothes black, white, gray 2 type singuits: color -> { black, white, gray, pinh y weather > 2 sunny, windy Output: color -> { black, white , gray, pinky Sequence: W > b -> g -> P windy: same color; surony: different.





Answer to the Question No: 3

The core difference of RNN, peophole-LSTM and GIRU is that standard RNN suffer forom varistion and emploting gradient problem. LSTMs handles there problems by introducing new gates. For example input and forget gates which allows for the good control over the gradient flow and enable better preservation of long range depudencies. Long Mange dependecy in RNN can be resolved by using increase number of dependency in replaceding number layor in LISTM. RNN's dond have a cell state, But they only have hidden states and these hidden states works as the memory for RNNS. GIRU is easy to modify and it down it require memory units. So, training speed is faster than LSTM. Marcova GRU has two Loars where LISTM has three

while GIRU has only one activation function The basic difference between LSTM farget gate decide how me much information from the prierious state should kept and forget remaining the cell are output to the hidden state which also determine what the next hidden state will be. The Matrin workflow of LISTM ht = 20 tanh (ct) yt = O(Wh')