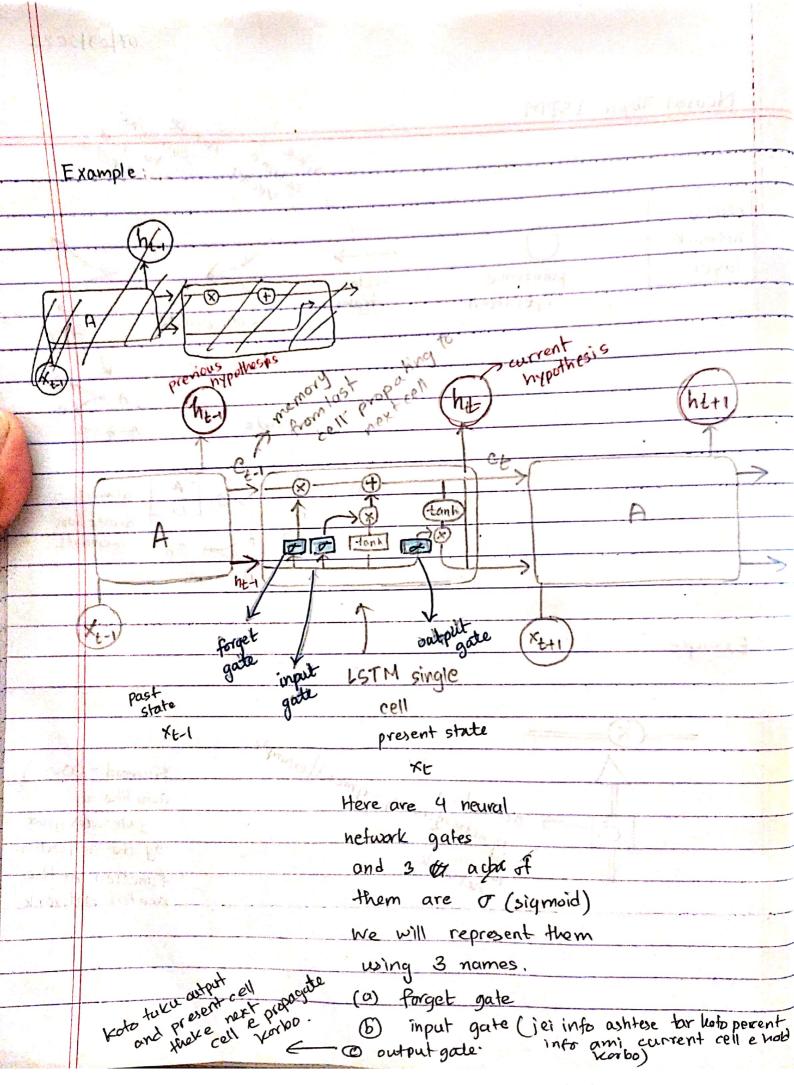
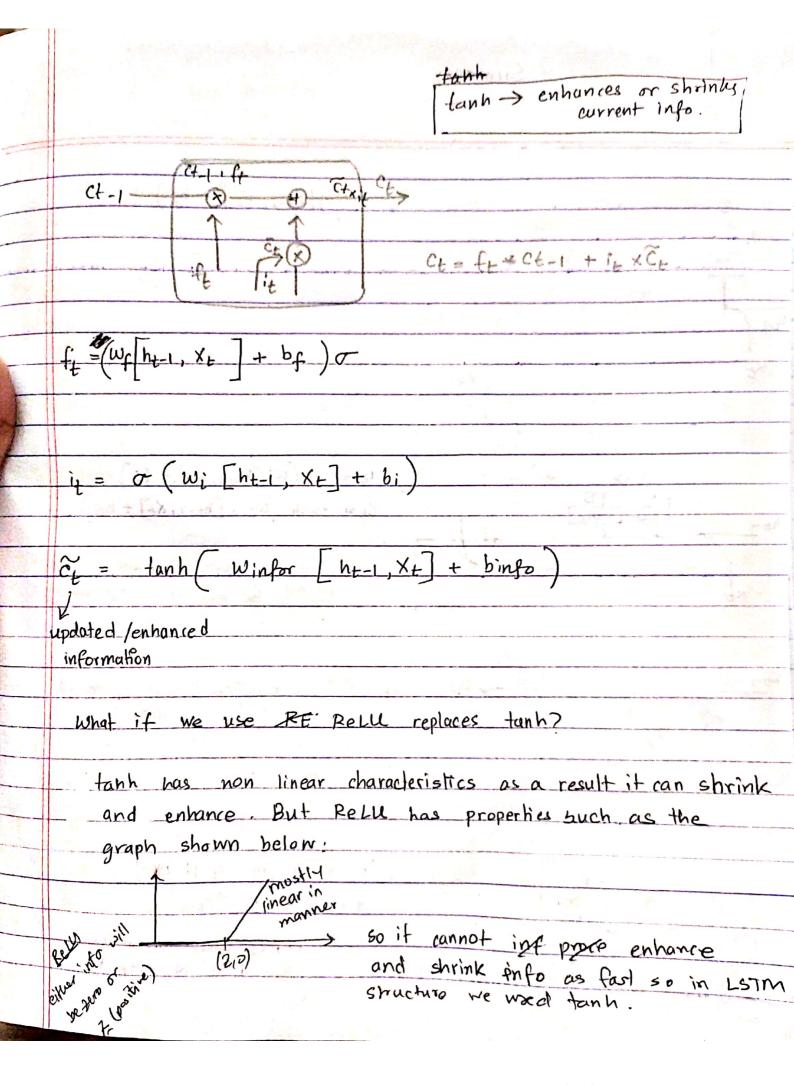
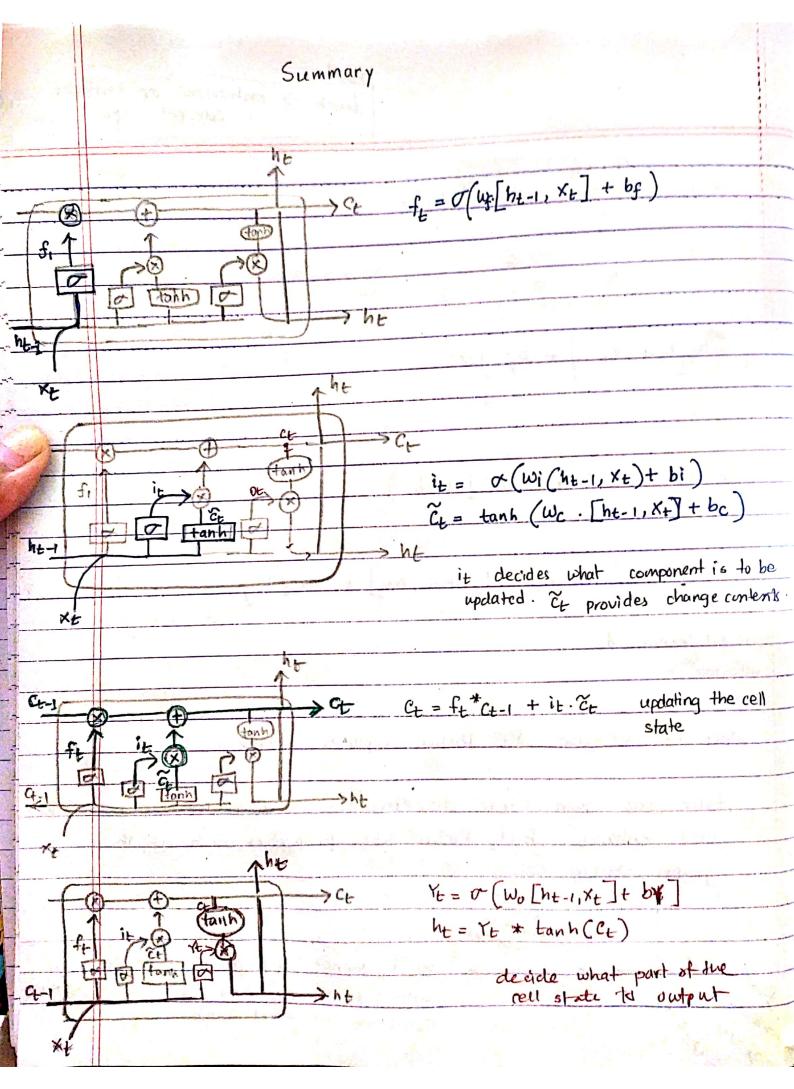
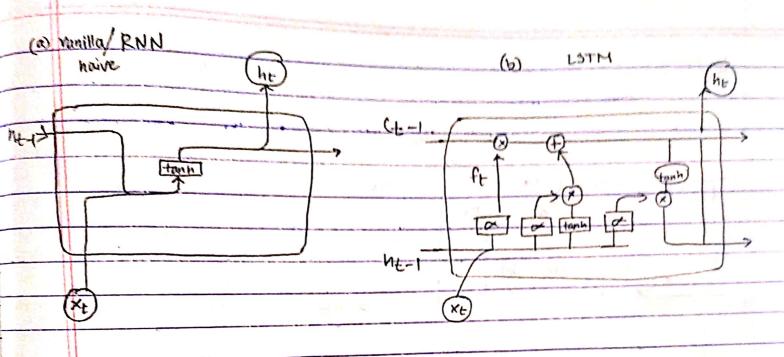


Scanned with CamScanner









ht = tanh (WR F. Ht-1, X+]+ BR)

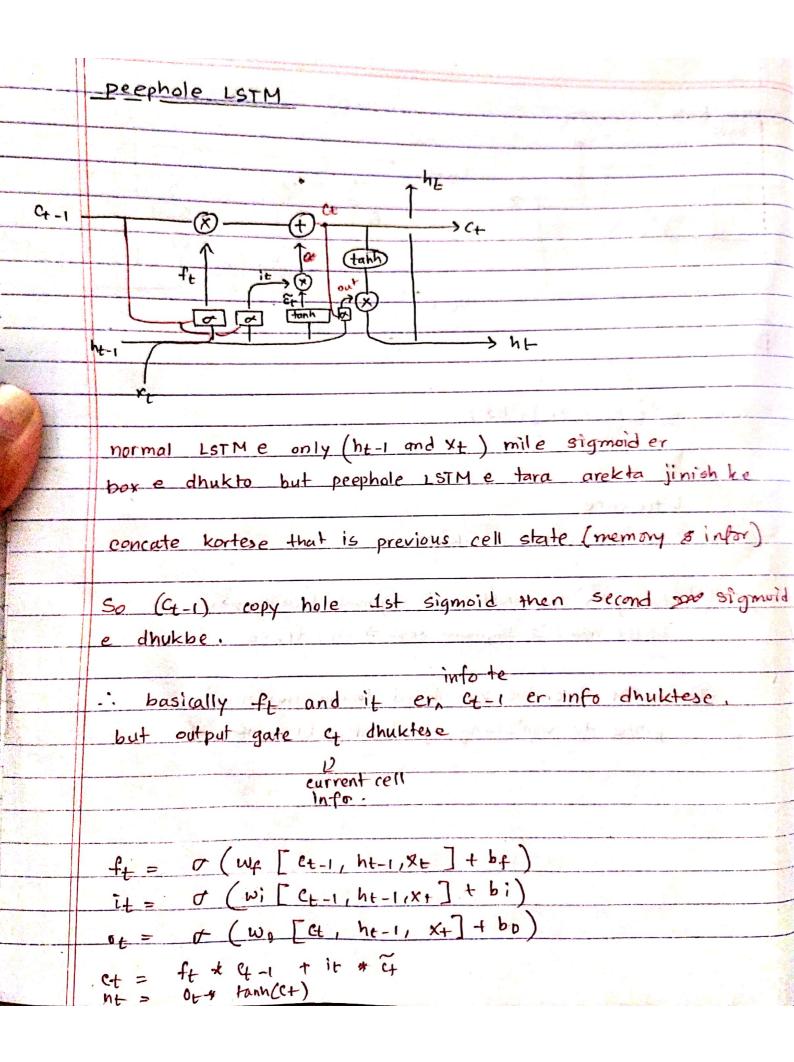
Difference

- 1) no cell state in RNN.
- 2 No gates in RNN, no sigmoid locking key.

 LSTM has 3 sigmoid keys > it, ft, ot
- 3 LSTM expensive, kan hold longer memony.

 prone to vanishing gradient problem. He.

regultes better flow of info



ot is ct-1 added by something jedi cell info onk taratari update hei taile tar shathe a and ct then current cell state only fast update hobe so it can hold longer manay: -> ht and ht -1 can be different.