LSTM - HET WORKS

- -o Solve the vanishing gradient issue of LMM.
- + Thus better suited for Lon-term dependancies.
- D Weight matrices:

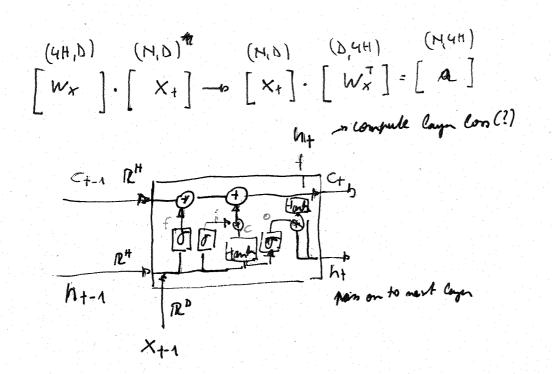
- Wf - farset gale

- Wi - untul gale

- Wo - cell state - Wo - output gate

This results in a input - to - hidden makix and a hidden to hidden mutix.

WX E R4HXD Wn & RYHXH



Jest some loss at every layer and from a preside layer (through the upstream cell state loss and hidden loss). I need to commute the toss with regards of to LSTM Barkwards Ct-1, ht-1, Wx, Wh. Wh is the sessed t-times and thus predients add un. Wx is used only the first time their it is computed only at the and.

