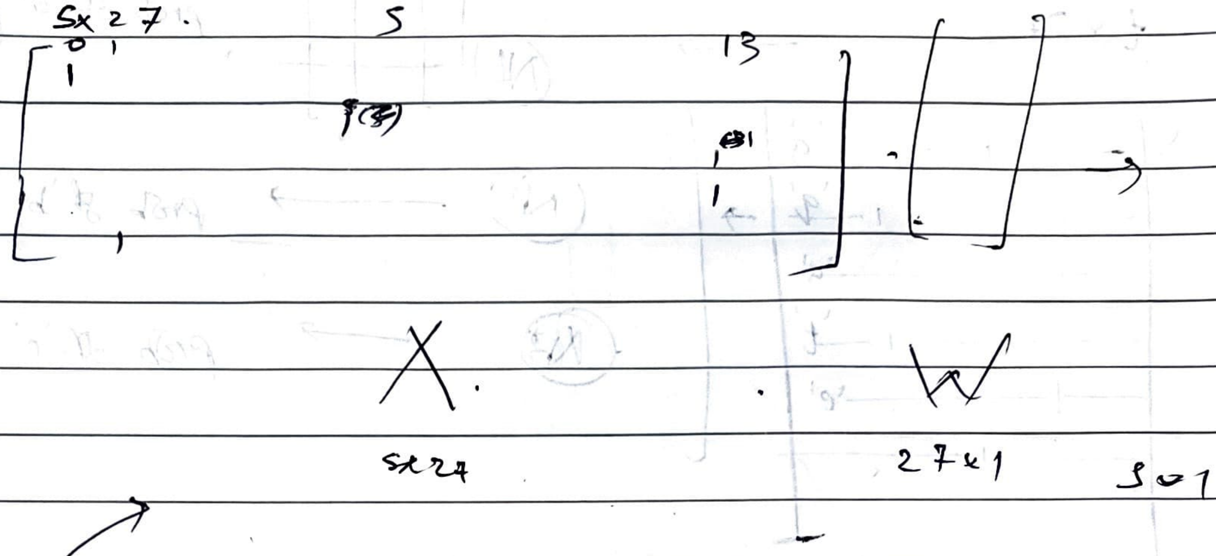
Karpathy lec-2

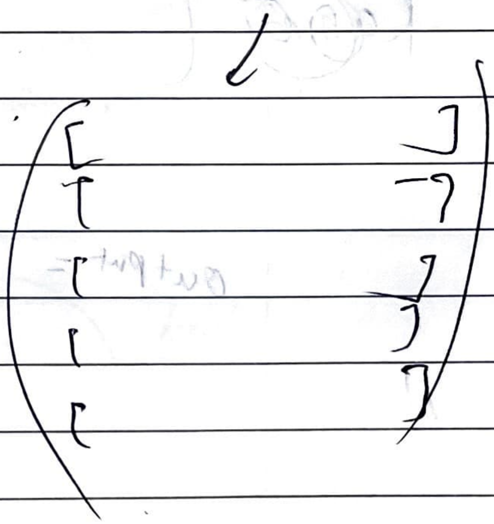
X-encoding:

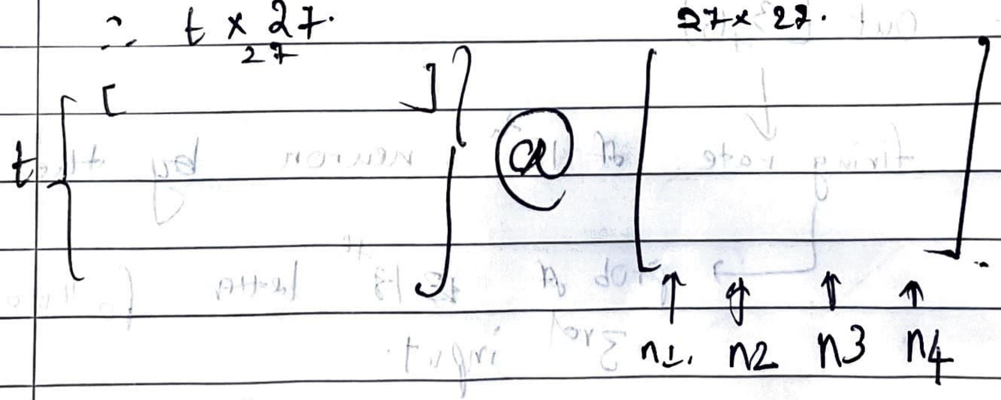
emma
= .e
em
mm
ma
a.



5x27 @ 27x27 → 5x27

prob for next letter for each of the inputs.





each neuron gives out prob of its letter coming next

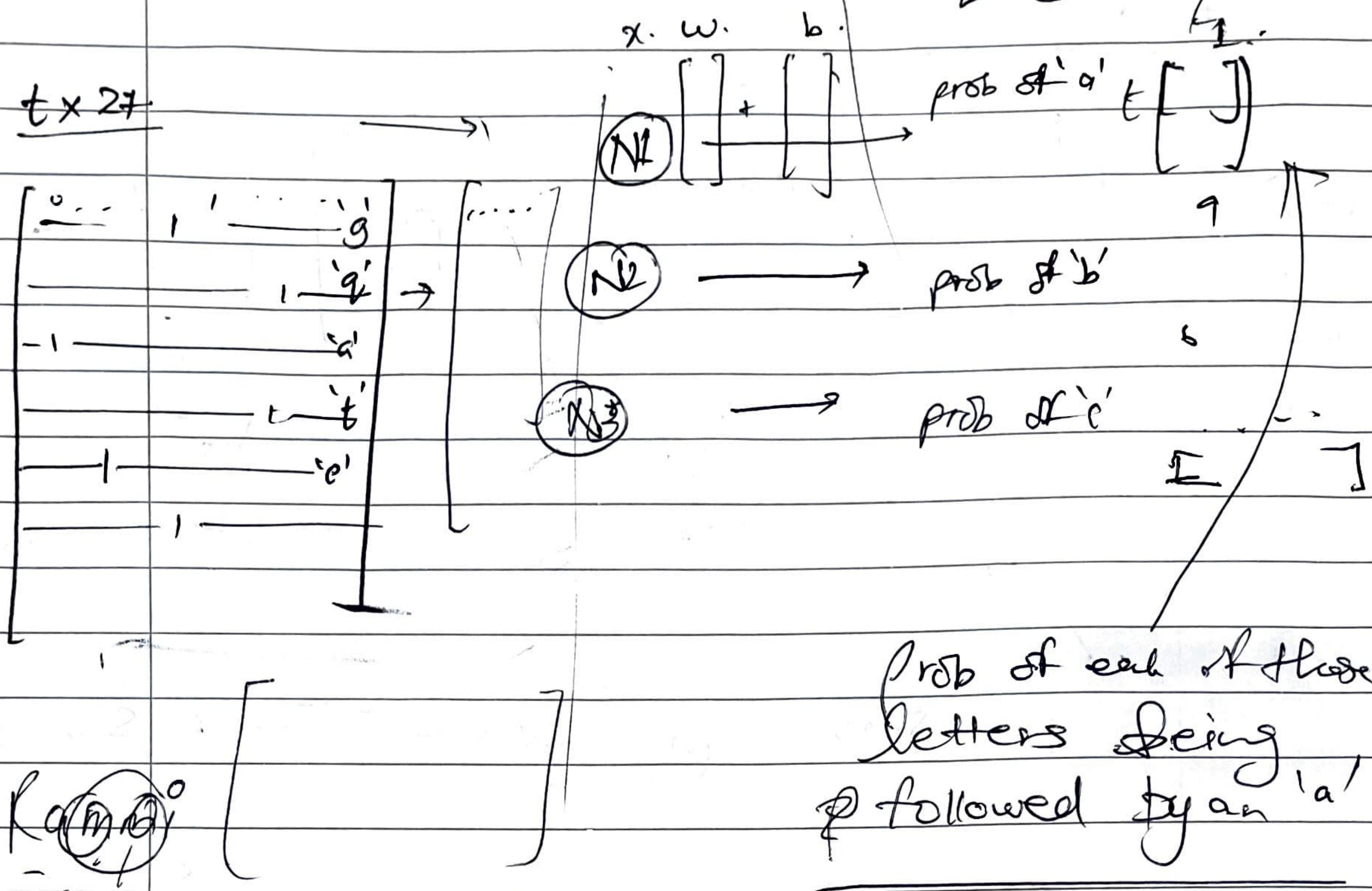
emma.

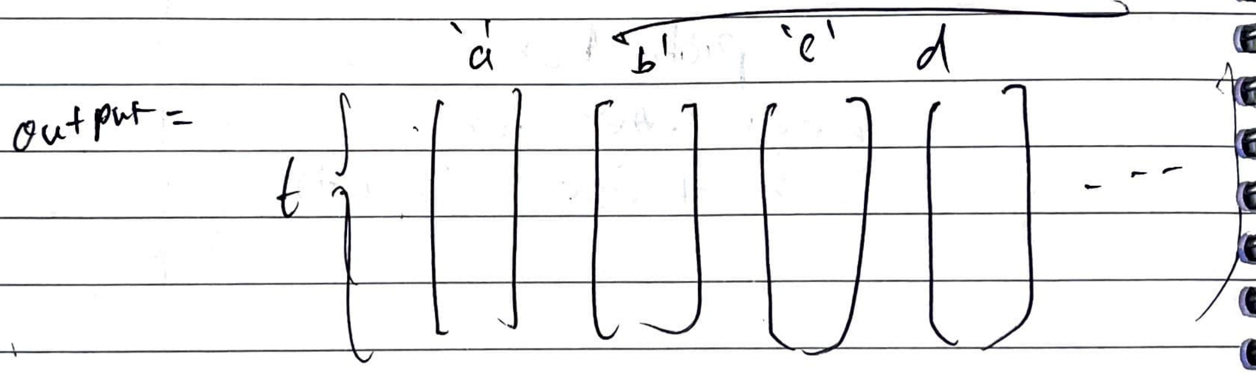
mm → 1
ma → 1

[0.19 0.04 ... 0.45]

0.19 → 1

~~prob of each of those letters being follo~~





∴ out[3,13]

↓

firing rate of 13^{th} neuron by the 3 input.

→ prob of 13^{th} letter following the 3^{rd} input.

a

<S> e → 0.1 → -0.4

e → 0.5

m → 0.7

m -7.5

a

l

loss = nl.sum

-3.2

-4

w.data -= w.grad * 0.01

[0 0 0 ... 1 0 0 0]

w

w

w + b tah

27, 100

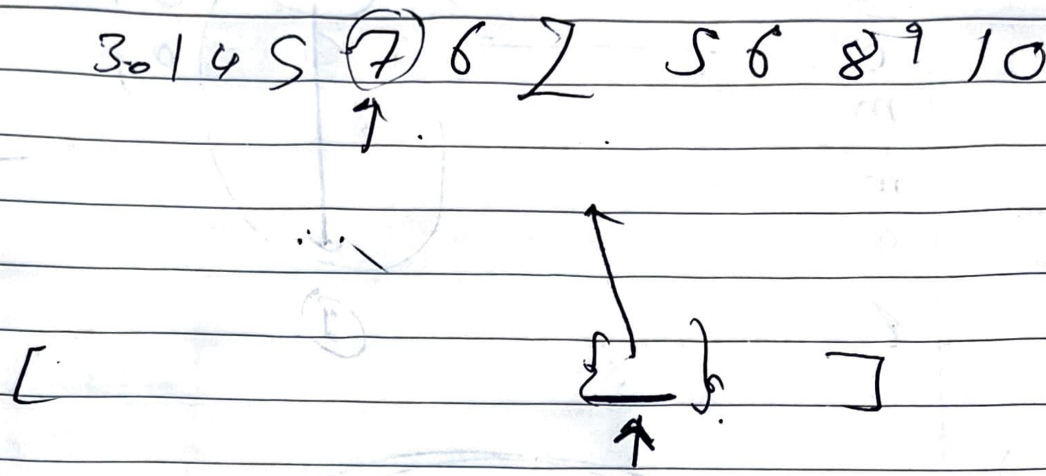
0.55

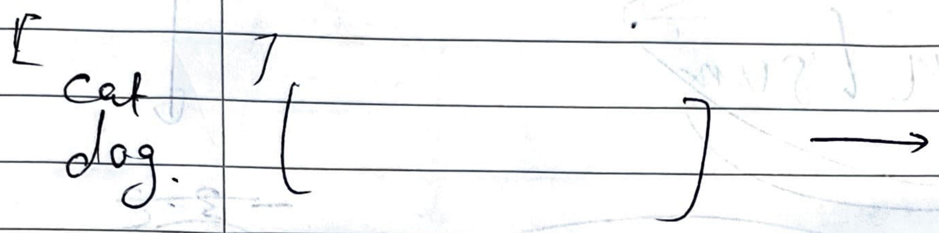
[100, 50]

[50, 27]

__/__/____

Seed.





e m m a.

ix = 5