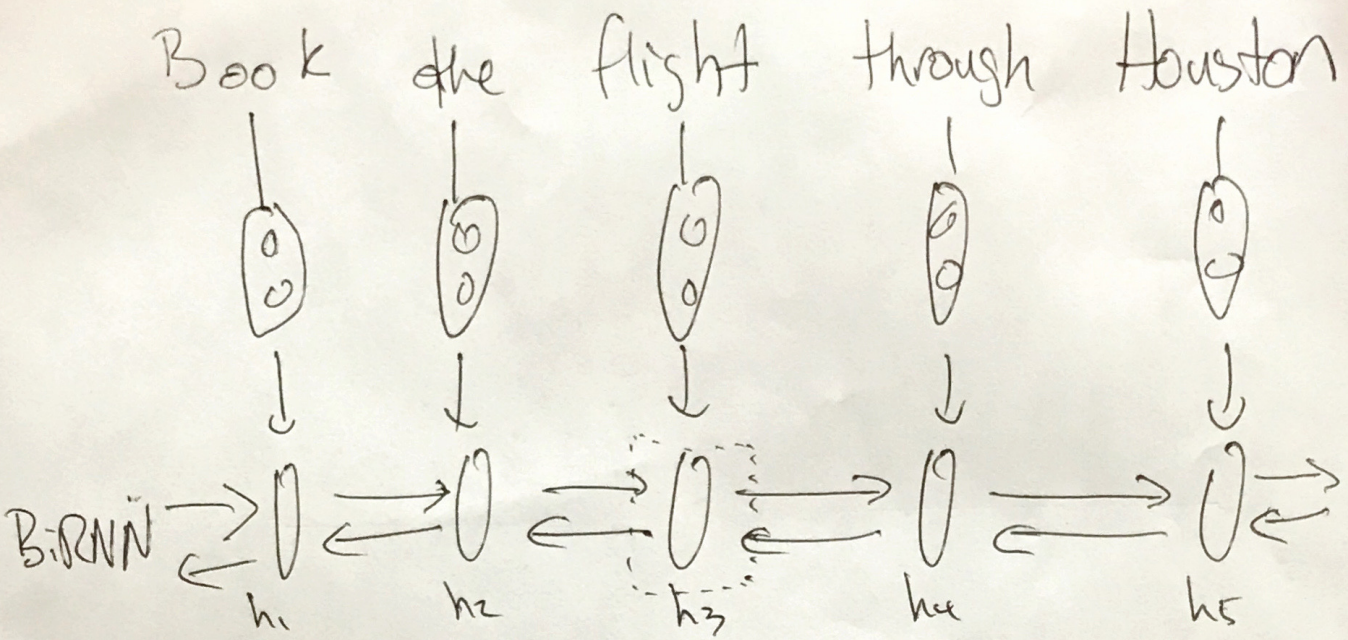
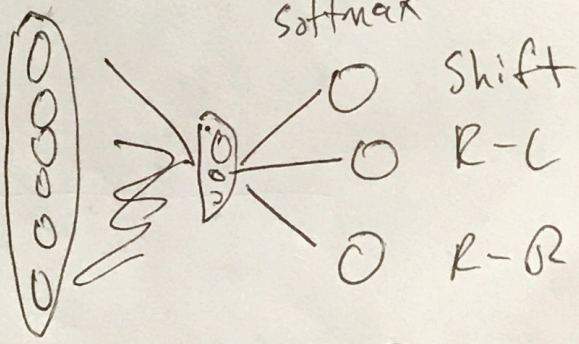


stack = [root book ~~the~~ flight] → [h2 ; h3]

the

buffer = [through Houston] → h4

[h2 ; h3 ; h4]



the horse [ran past the barn] fell

the old man the boat

[NP] VP (obj)

Part of Speech Tagging

loss fn: Hamming loss = # of wrong labels.

x = this is not a sentence .

y = Noun Verb Adv Det Noun Punct

mal = 0

$\vec{a}$ = Noun Verb Adv Det

a_1 a_2 a_{t-1} $\uparrow a^*$

$\vec{a}$ = Noun Noun Noun Det mal = 2

a_1 a_2 a_{t-1}

$\vec{a}$ = ??? ??? ??? Det

loss fn: bigram Hamming = # of wrong tag bigrams
pad w <s>, </s>

y = <s> N V ADV D N Pt </s>

$\hat{y}$ = <s> N ? ? ? ? ? </s>

l = 5

a = <s> N V N D mal = 2

hamming loss -

go over sentence twice;

a= N V Adj Det Noun Punct

N V Adv Det Noun Punct.

MAL = 0

a= N V Adj ____