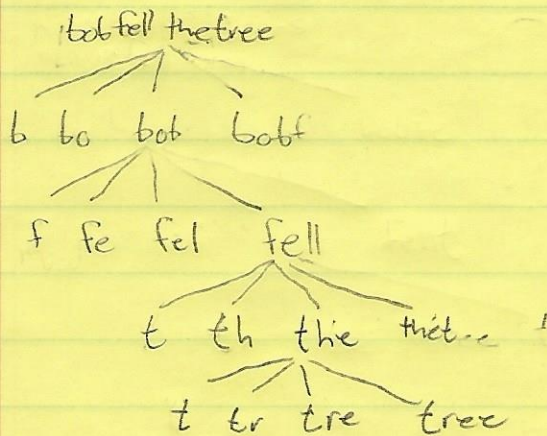
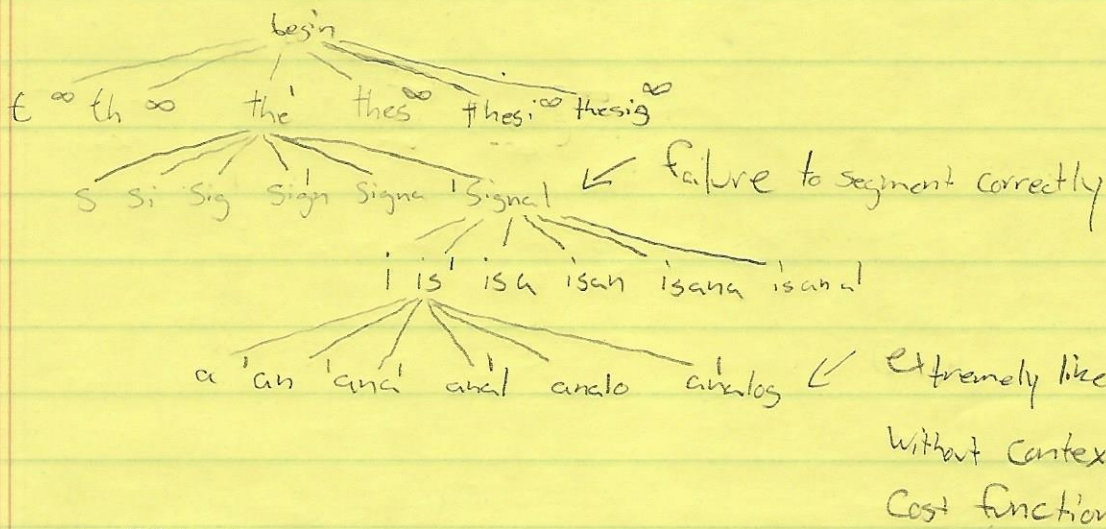


1(a) Word Segmentation

Unigram model with a binary cost function $c(w_i) = \begin{cases} w_i \text{ in dictionary} = 0 \\ w_i \text{ not in dictionary} = \infty \end{cases}$

Query = "thesignalanalog"



= bob fell the tree

2(a)

Vowel Insertion

the mood is bright

th md s brght

(the) (mad, med, mud, meed, mead, mood)

mood < (as, is, us)

is (bright, brought)

the mood is bright