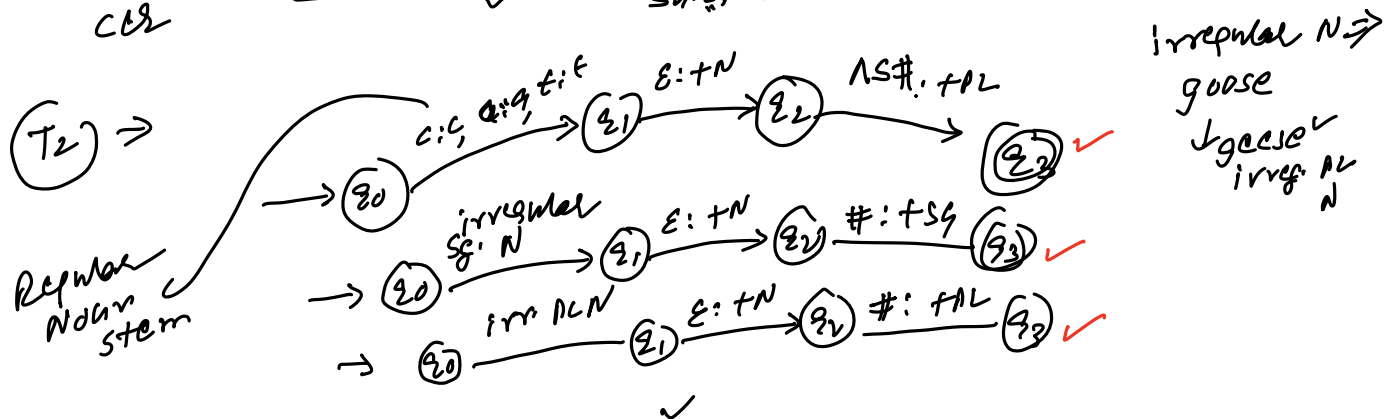
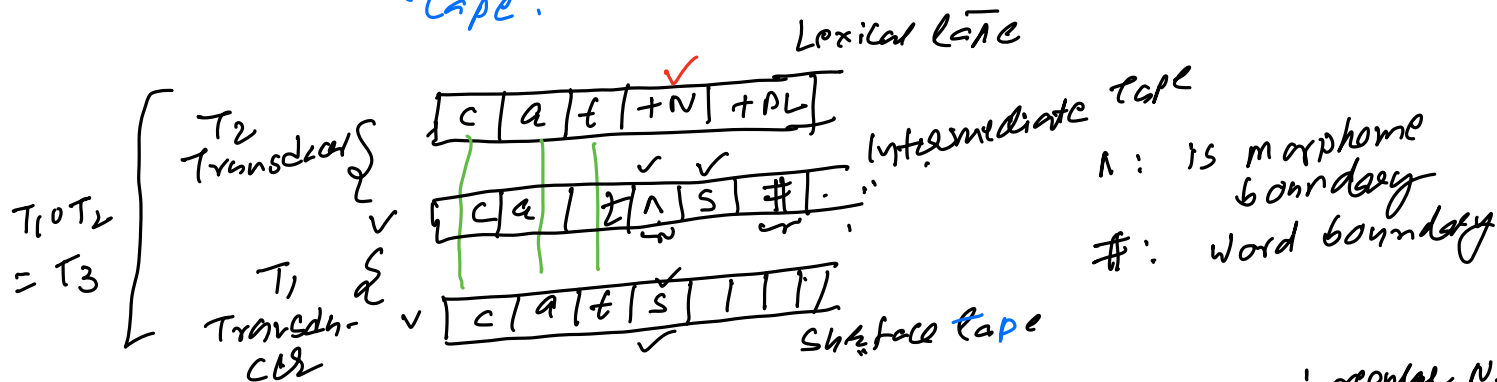


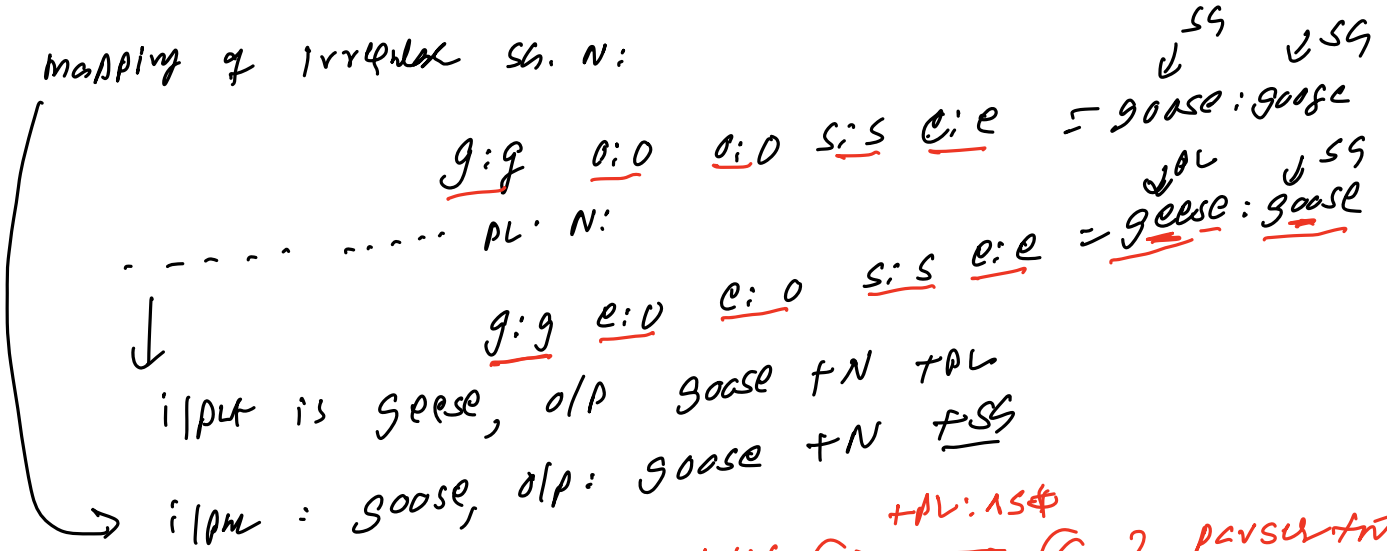
Morphological parsing using PST

(parsing of words)

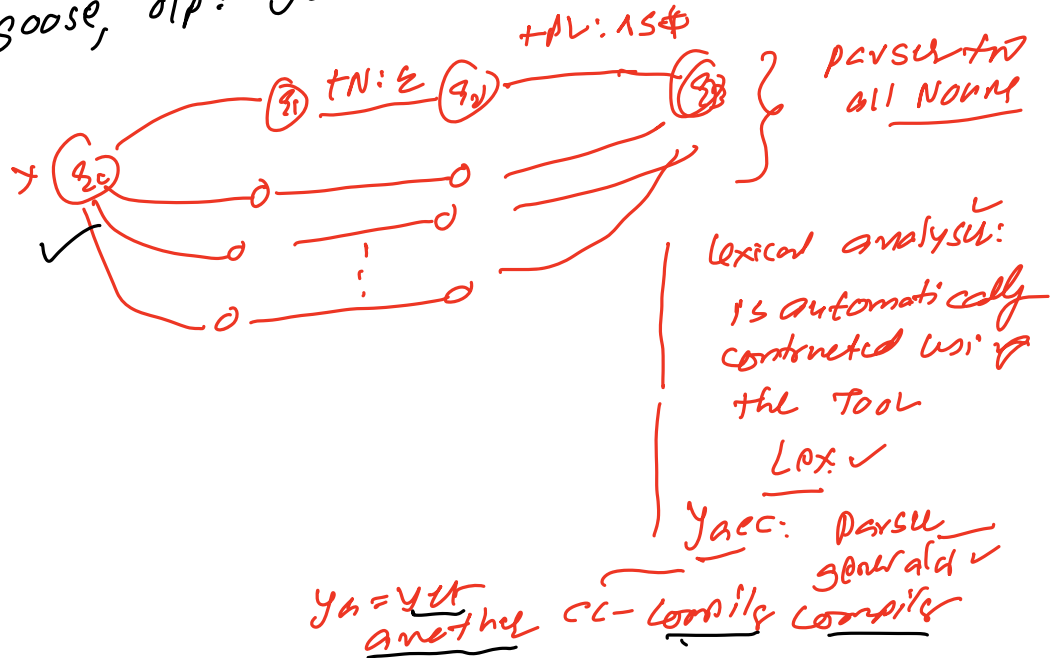
objective: given the word, like, "cats" on surface tape produce the lexicons: "cat +N +PL" on Lexical tape.



mapping of irregular sh. N:



In general:



How to handle the words like:

box & boxes
boss & bosses
buzz & buzzes

To plural, the words
ending with x, s, and z
insert 'e' at the
end of morpheme boundary
then put s as usual.

So Rule is: $a \rightarrow b/c-d$

write b in place of a (replace a by b)
when it occurs between c & d.

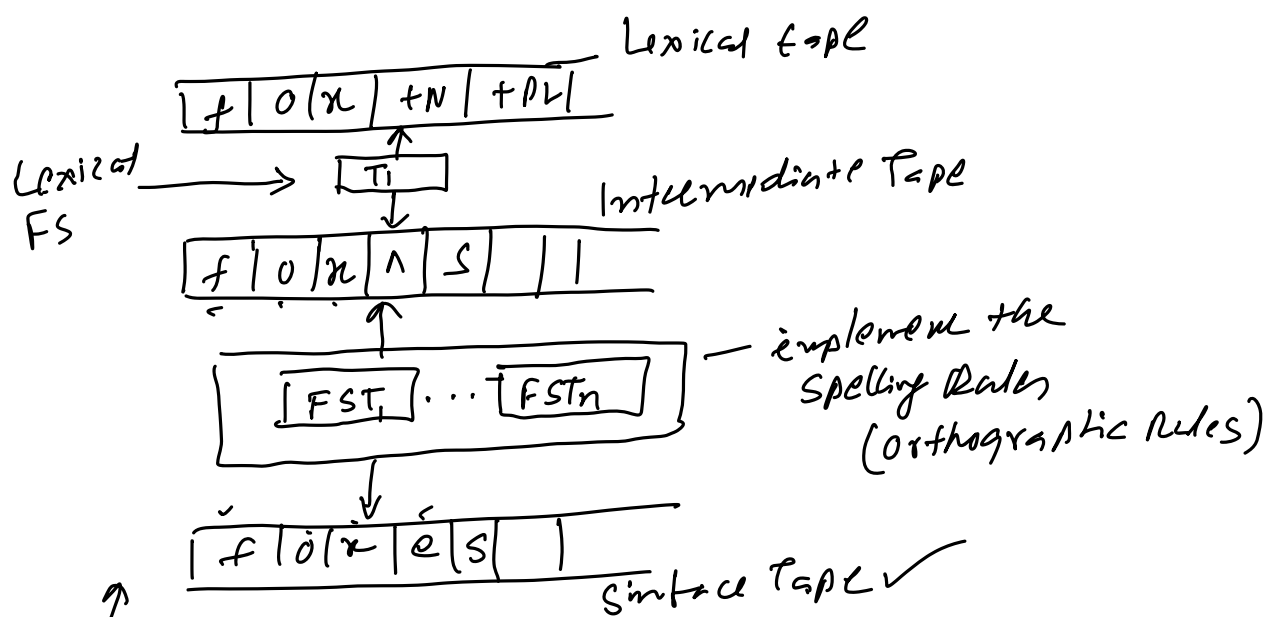
Insert "e" means replace
"x" by "e".

x	and	s	1st example
s	"	s	2nd
z	"	s	3rd
-		.	

Rule

$e \rightarrow e / \left\{ \begin{matrix} x \\ s \\ z \end{matrix} \right\} \wedge \text{ } s\# \leftarrow \text{SPELLING RULE for SPELLING CASE}$

↑ CHOMSKY & HALL RULE
(CH)



3-tape morphological parsing.

