

Databases Required for Morphological parse →

- To get "cat +N +PL" after parsing of "cats" what database we require? Lexicon ^{cat} _{+N} _{+PL} (= Electronic dictionary)

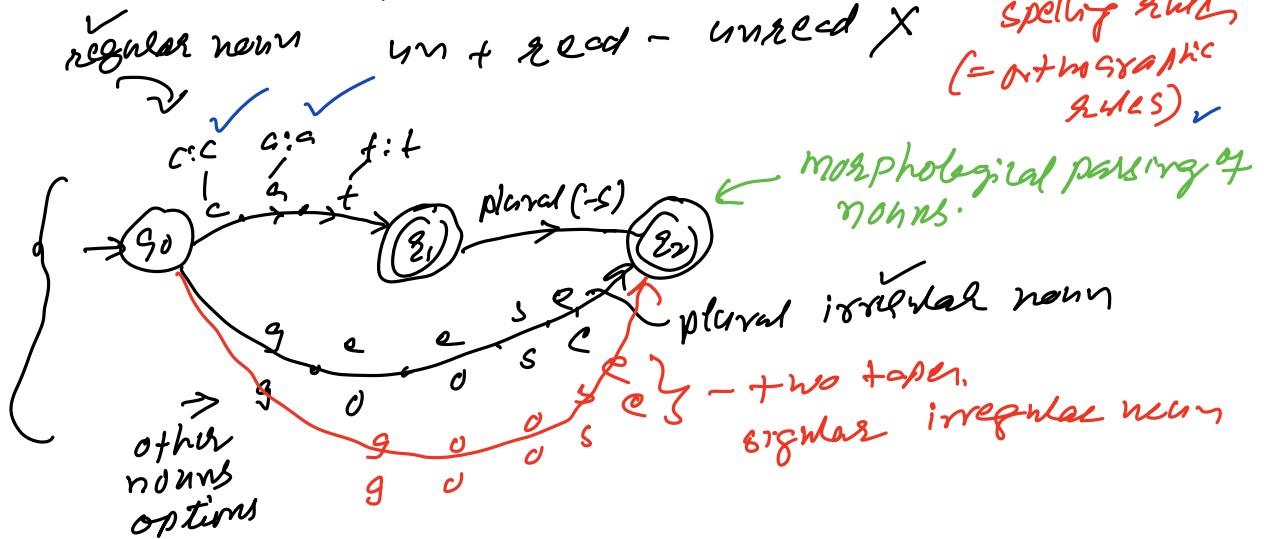
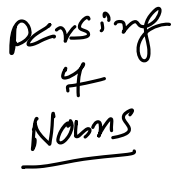
- what are the rules to add ^{+N}
-ing un- -ly ? (morphotactics -
rules)
(how to construct words
by adding suffix; prefix)

- How to combine the morphemes to get words 9. 2c. spelling rules

$u_n + \text{like} - u_n \text{like} \checkmark$

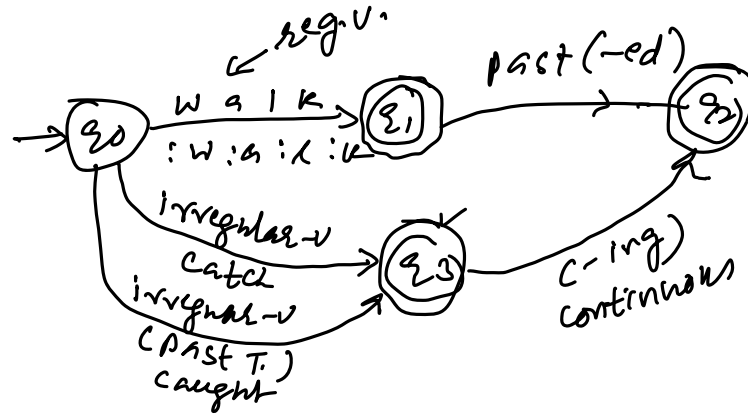
$un + read - unread \neq$

Spelling rules
(= orthographic
rules) ✓

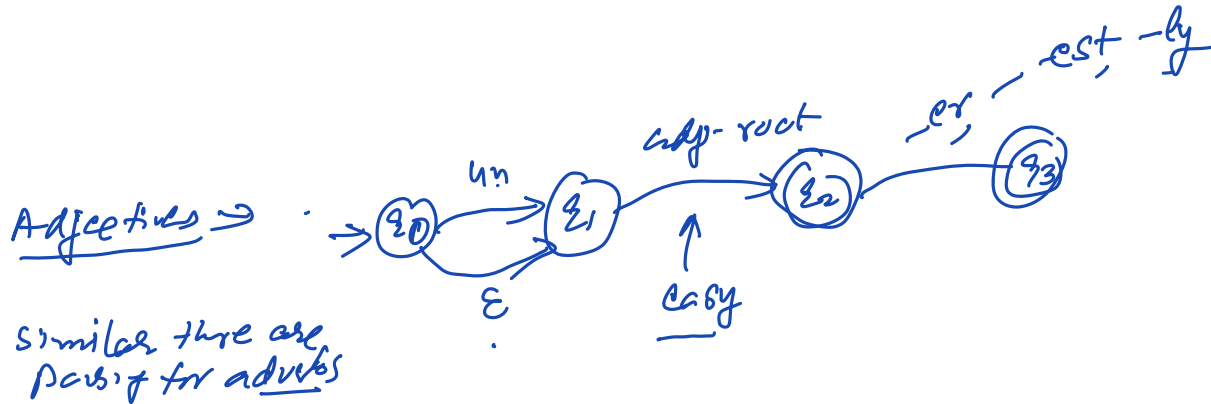


<u>Regular-N</u>	<u>Plural-N</u>	<u>Irregular-N</u>	<u>Irregular-SG N</u>
fox	foxes	goose	geese
cat	cats	sheep	sheep
dog	dogs	mouse	mice

Passing of
Verbs



Eat - regular V.
ate - irreg V.



These transducers (FST) can be used as multi-function devices:

- ✓ (1) parser (Transducer): input on "surface tape" is "cats"
and output on "lexical tape" is "cat FN + PL".
- ✓ (2) an recognizer: two tapes are used input (given)
then accept if matches,
- ✓ (3) an generator: generates two strings, that matches
- ✓ (4) an Relator: Compares the relation on the
contents of two tapes

—x—

