Computational Linguistics (CL3.101)

Summer 2021, IIIT Hyderabad

23 June, Wednesday (Lecture 13) – Morph Analysis 5

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Paradigm Based Morphological Analysers

Paradigm Tables and Classes

A paradigm table represents the inflected forms of a particular lexeme. For example, for PLAY, we have

```
play, plays, played, played, playing
```

A paradigm class is a set of paradigms consisting of a prototypical root and all roots that follow the same paradigm. For example, the following sets of verbs form paradigm classes:

```
mince, minces, minced, minced, mincing
dance, dances, danced, danced, dancing

shake, shakes, shook, shaken, shaking
take, takes, took, taken, taking

play, plays, played, played, playing
walk, walks, walked, walked, walking
```

and the following sets of nouns:

```
girl, girls
house, houses
book, books
pencil, pencils
flower, flowers

dish, dishes
beach, beaches
```