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Document with previous suggestion:

<https://docs.google.com/document/d/1wybx2_U0EcqmefRRiAABha-cFII6H2rZBtlgTcjLYjg/edit?usp=sharing>

# Morph generation definitions (refined)

## Classes

### morph:Paradigm

A class that represents a theoretically motivated type of declination, e.g.:

* “a” stem declension in Latin
* First declension in Russian

*May* contain metadata information about this type of declination.

**Book analogy**: a full paradigm table with possible allomorphy/alternative variants

### morph:SubParadigm

A class that represents a single slot for a single grammatical category for all its possible values (e.g. all the cases). There’s no possible allomorphy on this level (even orthographic variants).

**Book analogy**: a column from a paradigm table without allomorphy/alternative variants for just a single morpheme

### morph:Rule

A class containing necessary information to add one morpheme to all the word forms inflecting according to a SubParadigm. It must contain either morph:prototype or morph:replacement (or both). “Tabular” value of a morpheme must be stored in rdfs:label (e.g. “-s”@en for usual PL in English)

### morph:Replacement

A class that contains a source and a target for replacement.

## Properties

### morph:paradigm

**Domain**: morph:SubParadigm

**Range**: morph:Paradigm

A link to the paradigm for the inflection type

### morph:prototype

**Domain**: morph:Rule

**Range**: string literal

A single generated form that was generated using this rule

### morph:next

**Domain**: morph:SubParadigm

**Range**: morph:SubParadigm

Links two consecutive inflection types (“slots”), e.g. number and case in Finnish

### morph:inflects

rdfs:subPropertyOf ontolex:morphologicalPattern

**Domain**: ontolex:Word

**Range**: morph:SubParadigm

A link to the first “slot” (inflection type), e.g. an inflection type for number for English nouns

### morph:subParadigm (or morph:inflectsAs?)

**Domain**: morph:Rule

**Range**: morph:SubParadigm

### morph:replacement

**Domain**: morph:Rule

**Range**: morph:Replacement

### morph:inflectsFor

**Domain**: morph:Rule

**Range**: unrestricted?

### morph:generatedBy

**Domain**: ontolex:Form, morph:Morph, ontolex:LexicalEntry (?)

**Range**: morph:Rule

For the next telco:

Examples, proposals for modelling the generation of analytic word-forms:

Bettina: MMoOn example