PARSEME Shared Task and Prague Dependency Treebank: Comparison and Data Conversion

WG4

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WORK IN PROGRESS

PARSEME Shared Task

- 2015 -- 2017
- MWEs study + their annotation in treebanks
- automatic detection of verbal MWEs
- set of standardized annotation principles
- 20 languages: Czech among others
- 5 groups of MWEs + language specific

Verbal MWE types for Czech

- ID: idiom
- LVC: light verb construction
- IReflV: inherently reflexive verbs
- OTH: other types
- *neither VPC (verb-particle combination) nor language specific category for Czech*

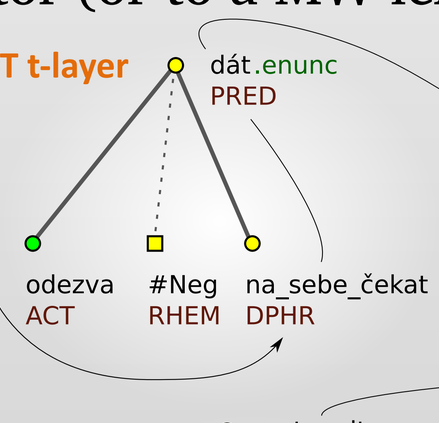
To minimize annotation work, it should be transformed from PDT data.

ID ...corresponds to a DPHR functor (or to a MW lexeme)

1. Input text

Odezva **na** sebe nedala čekat.
Reaction on itself not-gave wait.
The reaction didn't keep us waiting.

2. PDT t-layer



3. Output annotation

<MWE category="ID">
Odezva na sebe nedala čekat.
didn't keep us waiting

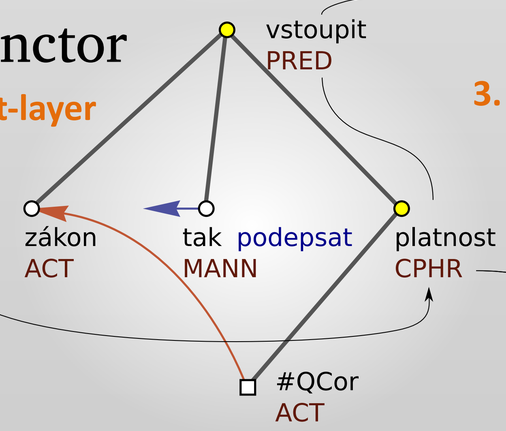
Condition: DPHR node
Range: all words mentioned in DPHR node + its governing verb node

LVC ...corresponds to a CPHR functor

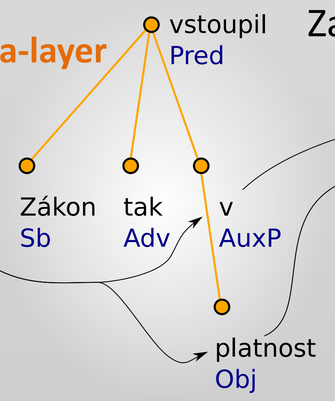
1. Input text

Zákon tak vstoupil v **platnost**.
Law so came into force.
By that the law has come into force.

2. PDT t-layer



3. PDT a-layer



4. Output annotation

<MWE category="LVC">
Zákon tak vstoupil v platnost.
has come into force

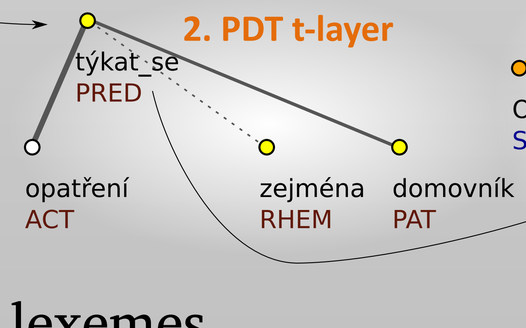
Condition: CPHR node
Range: noun in DPHR node + its governing verb node + a preposition, if exists with the noun

IReflV ...corresponds to a reflexive t-lemma

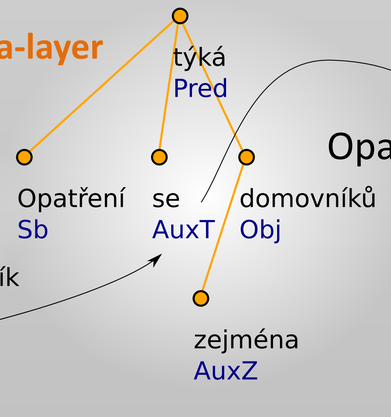
1. Input text

Opatření **se** týká zejména domovníků.
The meassure involves chiefly housekeepers.

2. PDT t-layer



3. PDT a-layer



4. Output annotation

<MWE category="IReflV">
Opatření se týká zejména domovníků.
involves

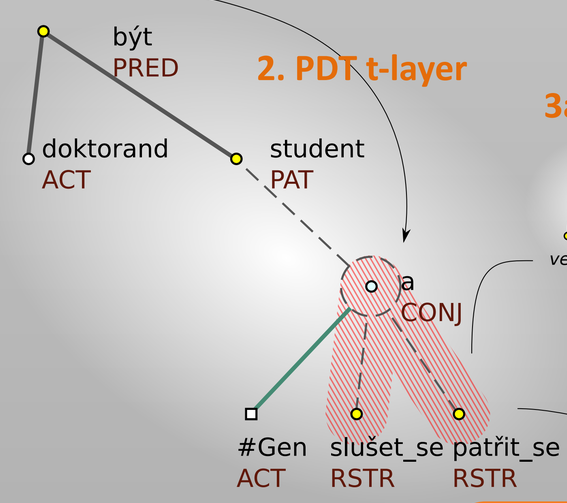
Condition: t-lemma with a reflexive particle + the particle's type is AuxT
Range: verb + reflexive particle

OTH ...corresponds to **verbal** MW lexemes

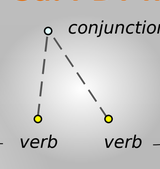
1. Input text

Doktorand je studentem, jak se **sluší** a patří.
PhD-student is student, as <REFL> suits and befits.
A PhD student is a student, as he should be.

2. PDT t-layer



3a. PDT m-layer



3b. SemLex

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...
BASIC_FORM:     jak se sluší a patří
LEMMATIZED:     jak se slušet a patřit
MORPHO_TAGS:    RB  RFL  VBZ  CC  VBZ
PDT_FREQ:       1
POS:            verb
...
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4. Output annotation

<MWE category="OTH">
Doktorand je studentem, jak se sluší a patří.
as he should be

Condition: MWE, type 'lexeme'
+ neither idiom nor LVC + head is not a verb
+ it contains verb or is marked as verb in lexicon
Range: contents words are listed in MWE + auxiliary words -- to be done

LINDAT CLARIN

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