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% 1. LOAD RUSSIAN INFLECTIONAL THEORY, SHOW PATH FILES FOR NOUNS/ADJS  
%  
% TO SHOW NOUN THEOREMS, COMMENT OUT 'rusa9dec.dtr'; FOR ADJ THEOREMS  
%  
% COMMENT OUT 'rusn9dec.dtr'  
%  
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%%  
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```
#load 'ch7_rusnoms.dtr'.  
#load 'rusn9dec.dtr'. %comment out ' rusn9dec.dtr' or 'rusa9dec.dtr'  
%#load 'rusa9dec.dtr'.  
#load 'hide_deriv.dtr'.
```

%%  
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% 2 MORPHOTACTIC GENERALIZATION NODES (see page 260)  
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SUFFIXATION:  
    <stem> == "<base stem 1>" "<deriv affix>".

PREFIXATION:  
    <stem> == "<deriv affix>" "<base stem>".

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% 3. MODIFIED LFTS WITH CONDITIONS ON AFFIX SELECTION  
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% 3.1 MODIFIED PERSONAL NOUN LFT  
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LFT\_PERSON:  
    <> == NOUN  
    <gloss> ==  $\lambda x$  [ <sem feature> (x) & "<base gloss>" (x) ]  
    <sem feature> == person  
    <stem> == SUFFIXATION  
    % <deriv affix> == tel'. %replaced by conditional selection, see (39) on page 272  
    <deriv affix> == LFT\_PERSON\_AFFIX:<"<base syn cat>" "<base syn valence>">.

LFT\_PERSON\_AFFIX:  
    <v 2> == tel'  
    <n 1> == nik  
    % <adj 1> == ik %replaced to handle formal/morphological condition, page 273 (41)  
    <adj 1> == LFT\_PERSON\_AFFIX\_DEADJ:<"<base deriv affix>">.

LFT\_PERSON\_AFFIX\_DEADJ:  
    <ov> == ik  
    <n> == <ov>  
    <> == ec.





<deriv affix> == pre  
<sem feature> == extremely.

LFT\_CAT\_PRESERVING:

<> == LEXEME  
<syn> == "<base syn>"  
<gloss> == "<sem feature>" "<base gloss>" %subsecutive semantics  
<stem> == SUFFIXATION.

LFT\_HEAD\_MARKING:

<> == LFT\_CAT\_PRESERVING  
<mor> == "<deriv affix>" "<base mor>"  
<stem> == PREFIXATION.

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% 5.1 MODIFIED DIMINUTIVE NODE PLUS ADDED AFFIX ASSIGNMENT NODES,  
%  
% SEE PAGES 274-75  
%  
%  
%  
%  
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LFT\_DIMINUTIVE: %for modifications, see pages 274-275  
<> == LFT\_CAT\_PRESERVING  
<sem feature> == small  
% <deriv affix> == k %replaced to express formal condition on affix  
selection  
<deriv affix> == LFT\_DIM\_AFFIX:<"<base mor formal gender>">  
% <declensional\_class> == N\_II:<mor>. %replaced to express class as  
assigned  
<declensional\_class> == LFT\_DIM\_CLASS:<"<base mor formal gender>">.

LFT\_DIM\_AFFIX:  
<fem> == k  
<neut> == c  
<masc> == ik.

LFT\_DIM\_CLASS:

```

<fem> == N_II:<mor>
<neut> == N_IV:<mor>
<masc> == N_I:<mor>.

```

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%   6. TRANSPARENT ONLY LFT EXAMPLE
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LFT_PERSON_AČ:
  <> == LFT_PERSON
  <deriv affix> == ač.

```

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%   6. VIRTUAL SEMANTICS AND DV'IGATEL', pages 279-80
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LFT_PERSON_NEW:   %to capture 'virtual' vs actual interpretation, see
pages 279-80
  <> == NOUN
  % <gloss> == λx [ <sem feature> (x) & "<base gloss>" (x) ] %replaced
  <gloss> == <deriv gloss> %should be stated at LEXEME in the
inflectional hierarchy
  <deriv gloss> == λx [ <deriv sem feature> (x) & "<base gloss>" (x) ]
%added
  % <sem feature> == person %replaced
  <sem feature> == <deriv sem feature> %should be stated at LEXEME in the
inflectional hierarchy
  <deriv sem feature> == person %added

```

<stem> == SUFFIXATION %captures def correlation betw. person function and general op.

<deriv affix> == LFT\_PERSON\_AFFIX:<"<base syn cat>" "<base syn valence>">.

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 %         6. SAMPLE LEXICAL ENTRIES  
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Chitat':  
 <> == VERB  
 <gloss> == read  
 <root all> == chit  
 <stem> == <root all> a  
 <syn valence> == 2.    %overrides default at LEXEME

Chitatel':  
 <> == LFT\_PERSON  
 <base> == "Chitat':<>".

Dobro:  
 <> == NOUN  
 <declensional\_class> == N\_IV:<mor>  
 <gloss> == good\_deed  
 <root all> == dobr  
 <index> == 2  
 <mor pl> == undefined.

Dobrij:  
 <> == LFT\_QUAL\_ADJ  
 <base> == "Dobro:<>".

Predobrij:  
 <> == LFT\_INTENSIFIER\_ADJ  
 <base> == "Dobrij:<>".

Reshit':



```
<> == VERB
<gloss> == decide
<root all> == resh
<stem> == <root all>
<syn case_assign> == instrumental.
```

Reshenijo:

```
<> == LFT_NOMINALIZATION
<base> == "Reshit':<>".
```

%Gramotnij:

```
% <> == ADJ %replaced by derived lexical entry Gramot-n-ij
% <gloss> == literate %inheriting from Gramota
% <stem> == gramotn.
```

Gramota:

```
<> == NOUN
<declensional_class> == N_II:<mor>
<gloss> == reading_writing
<root all> == gramot.
```

Gramotnij:

```
<> == LFT_ADJ
<base> == "Gramota:<>"
<gloss> == LFT_QUAL_ADJ.
```

Negramotnij:

```
<> == LFT_NEG_ADJ
<base> == "Gramotnij:<>".
```

Rabota:

```
<> == NOUN
<declensional_class> == N_II:<mor>
<gloss> == work
<root all> == rabot.
```

Rabotka:

```
<> == LFT_DIMINUTIVE
<base> == "Rabota:<>".
```

Dom:

```
<> == NOUN
% <declensional_class> == N_I:<mor> %declension class default testing
<gloss> == house
<root all> == dom.
```

Dom'ischcho:

<> == LFT\_AUGMENTATIVE

<base> == "Dom:<>".

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%           6.1   ADDED ENTRIES TO DEMONSTRATE CONDITIONED AFFIX SELECTION  
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Atom:

<> == NOUN

% <declensional\_class> == N\_I:<mor> %declension class default testing

<gloss> == atom

<root all> == atom.

Atomnik:

<> == LFT\_PERSON

<base> == "Atom:<>".

Gorlo:

<> == NOUN

<declensional\_class> == N\_IV:<mor>

<gloss> == throat

<root all> == gorl

<sem feature> == undefined.

Gorlovoj:

<> == LFT\_REL\_ADJ

<base> == "Gorlo:<>".

Gorlovik:

<> == LFT\_PERSON

<base> == "Gorlovoj:<>".

Avtor:

<> == NOUN  
<sem feature> == person %implies gender, animacy, infl class  
<gloss> == author  
<root all> == avtor.

Avtorskij:

<> == LFT\_REL\_ADJ  
<base> == "Avtor:<>".

Sezon:

<> == NOUN  
<declensional\_class> == N\_I:<mor>  
<gloss> == season  
<root all> == sezon.

Sezonnij:

<> == LFT\_ADJ  
<base> == "Sezon:<base>"  
<gloss> == LFT\_REL\_ADJ.

Sezonnik:

<> == LFT\_PERSON  
<base> == "Sezonnij:<>".

Chornij:

<> == ADJ  
<gloss> == black  
<root all> == chorn.

Chornec:

<> == LFT\_PERSON  
<base> == "Chornij:<>".

Skupoj:

<> == ADJ  
<gloss> == stingy  
<root all> == skup.

Skupec:

<> == LFT\_PERSON  
<base> == "Skupoj:<>".

Pobelit':

<> == VERB  
<gloss> == whitewash

<root all> == pobel  
<stem> == <root all>.

Domik:

<> == LFT\_DIMINUTIVE  
<base> == "Dom:<>".

Zoloto:

<> == NOUN  
<declensional\_class> == N\_IV:<mor>  
<gloss> == gold  
<root all> == zolot.

Zolotco:

<> == LFT\_DIMINUTIVE  
<base> == "Zoloto:<>".

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%           6.2   ADDED ENTRIES TO DEMONSTRATE TRANSPARENT AND NO-TRANSPARENT  
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Riba:

<> == NOUN  
<declensional\_class> == N\_II:<mor>  
<gloss> == fish  
<syn animacy> == animate  
<root all> == rib.

Ribač:

<> == LFT\_PERSON\_AČ  
<base> == "Riba:<>".

Dvigat':

<> == VERB  
<stem> == dviga  
<syn valence> == 2  
<gloss> == move.

Dvigatel':

```
% <> == LFT_PERSON
  <> == LFT_PERSON_NEW %for virtual semantics, see pages 279-80
  <base> == "Dvigat':<>"
  <sem feature> == object %have to correlate inanimate with object;
stipulate decl class
%   <declensional_class> == N_I:<mor>
  <syn animacy> == inanimate
  <gloss> == engine.
```

Dvigatel'\_2: %with original interpretation

```
<> == LFT_PERSON
<base> == "Dvigat':<>".
```

Dvigatel'\_Dal': %see page 280 example (49)

```
<> == LFT_PERSON_NEW
<base> == "Dvigat':<>".
```

```
%#show <deriv sem feature>.
```