A. Abbreviations

1Pl — 1^{st} person, plural

1Sg — 1^{st} person, singular

2Pl — 2^{nd} person, plural

2Sg — 2^{nd} person, singular

3Pl — 3^{rd} person, plural

3Sg — 3^{rd} person, singular

Acc — Accusative

Act — Actor

Addr — Addressee

Adj — adjective

AVM — attribute-value matrix

Ben — Beneficiary

CNC — Czech National Corpus

COORD — coordination

COR, Cor — coreference, coreferential participant

Dat — Dative

Eff — Effect

Fem — feminine

FGD — Functional Generative Description

Fut — future tense

GB — Government-Binding Theory

GNRL, Gnrl — general participant

Gen — Genitive

Imp — imperative

imperf. — imperfective aspect

Inf — infinitive

Ins — Instrumental

LFG — Lexical-Functional Grammar

Loc — Locative

Masc — masculine

ML — morphemic level

Medio — mediopassive

Neg — negation

Neut — neuter

NLP — natural language processing

Nom — Nominative

Orig — Origin

Pat — Patient

PDT — Prague Dependency Treebank

perf. — perfective aspect

Pl — plural

Prtcpl — (passive) participle

RECP, Recp — reciprocity, reciprocal

Sg — singular

TL — tectogrammatical level

B. Symbols used in the dictionary

B.1. Voice

`R` — regular frame (in active voice with possible derivations)

`P` — irregular passive frame

There are three more marks which are not used in the lexicon, but they are exploited in sentence patterns generated from the frames.

`M` — construction with support verb *mít*

`D` — construction with support verb *dostat*

`T` — resultative construction with verb *mít*

B.2. Reflexivity

`--` — no reflexive particle; no reciprocity

`SE` — reflexive tantum with particle *se* (*bát se*)

`DE` — derived reflexive with particle *se* (*vlévat se*)

`se` — reflexive with optional particle *se* (*koukat se*)

`SI` — reflexive tantum with particle *si* (*stěžovat si*)

`DI` — derived reflexive with particle *si* (*vynachválit si*)

`si` — reflexive with optional particle *si* (*myslet si*)

B.3. Subject

`s` — subject; the attribute in brackets shows the type of the subject and its value points to functor which is cirrently the subject

- `i` — inherent
- `a` — raised

B.4. Functors

`1` — Actor

`2` — Patient

`3` — Addressee

`4` — Origin

`5` — Effect

`0` — no functor; used in frames of raising verbs

`A` — direction where (kAm)

`B` — Beneficiary

`C` — Cause

`D` — how long (jakDlouho)

`E` — where (kdE)

`F` — diFference

`G` — reGard

`H` — Heritage

`I` — Intent

`J` — how (Jak)

`K` — *reserved*

`L` — *reserved*

`M` — Means

`N` — Norm

`O` — from where (Odkud)

`P` — intent (Purpose, aim)

`Q` — *reserved*

`R` — compaRison

`S` — Substitution

`T` — criTerion

`U` — which way (kUdy)

`V` — accompaniment (průVod)

`W` — *reserved*

`X` — eXtent

`Y` — when (kdY)

`Z` — from when (Zekdy)

B.5. Grammatemes

`h` — 'semantic' features

- `P` — person
- `T` — thing, animal
- `S` — short reflexive pronoun *se* or *si*
- `R` — long reflexive pronoun *sebe*, *sobě*, etc.
- `Z` — interrogative pronoun *co* (what), demonstrative pronoun *to* (that), *všechno* (everything), etc.
- `G` — general participant (used in irregular passive frames and in generated sentence patterns)
- `E` — deleted (empty, erased) participant (used in generated sentence patterns)
- `C` — direct speech
- `Q` — quality (adjective)
- `M` — quantity (number, figure)
- `L` — location (adverb)

- `A` — direction where (adverb)
- `F` — direction from where (adverb)
- `D` — which way (adverb)
- `W` — when (adverb)

`c` — case

- `1` — Nominative
- `2` — Genitive
- `3` — Dative
- `4` — Accusative
- `6` — Locative
- `7` — Instrumental

`r` — preposition

`n` — number

- `S` — singular
- `P` — plural

`s` — clause

- `I` — infinitive
- `C` — conjunction *až*
- `D` — conjunction *že*
- `F` — conjunction *jestli*, *zda*
- `P` — conjunction *ať*
- `R` — relative expression *co*, *který*, *kdo*, ...
- `U` — conjunction *aby*
- `Z` — conjunction *jak*

`l` — required lemma

`e` — negation of a clause

- `A` — affirmative (default)
- `N` — negative

`x` — reciprocal coreference; the value points to a coindexed functor

`a` — subject raised to object position; the value points to the embeded clause from which the subject was raised

`q` — subject- or object-control

`p` — "patient" control

`t` — "addressee" control

`d` — diatheses of embeded infinitive; the values are identical with values of the "main" frame

`m` — modality

- `D` — debitive (*muset*)
- `H` — hortative (*mít*)
- `V` — volitive (*chtít*)
- `P` — possibilitive (*moci*)
- `R` — permissive (*smět*)
- `F` — facultative (*dovést*)

B.6. Obligatority

`[ ]` — obligatory participant

`( )` — obligatory inner participant which can be realized as general, or obligatory and deletable free modification

`< >` — optional participant

B.7. Passive and other diathesis

`%` — periphrastic passive is possible (*číst*, *stavět*)

`$` — reflexive passive is possible (*číst*, *mluvit*, *jít*)

`@` — no passive (*bát se*)

`#` — constructions with *mít* (*slíbit*)

`*` — constructions with *dostat* (*vynadat*)

`~` — constructions with resultative *mít* (*uvařit*)

C. Possible functors assigned to grammatemes

C.1. Abbreviations used in lists of possible functors

`X` — Unknown functor; mostly error in source data.

`PAT` — Any actant. The reason why we chose this abbreviation is purely technical and it was explained in footnote 7 in Chapter 5.

`KAM` — Direction 'to'.

`BEN` — Beneficiary.

`CAUSE` — Cause.

`JAKDL` — Temporal modification 'how long'.

`KDE` — Location 'where'.

`DIFF` — Difference.

`REGARD` — Regard.

`HER` — Heritage.

`INT` — Intent.

`JAK` — Manner.

`MEANS` — Means.

`NORM` — Norm.

`ODKUD` — Direction 'from'.

`PURP` — Purpose.

`COMPAR` — Comparison.

`SUBST` — Substitution.

`CRIT` — Criterion.

`KUDY` — Direction 'which way'.

`ACCOMP` — Accompaniment.

`EXTENT` — Extent.

`KDY` — Temporal modification 'when'.

`ZEKDY` — Temporal modification 'from when'.

C.2. Lists of functors attached to every surface realization

Functors in parentheses are only taken in consideration if the surface realization has no variants. For example the prepositional case Accusative+*na* is typically a surface realization of direction, but in the frame of the verb *spoléhat na koho/co* (rely on sb/st) it is Patient.

The order of surface realization is important. A realization which is higher is listed first in brackets with variants and it are taken as a "representant" of the whole frame member.

```
hPc2    PAT
hPTc2   PAT
hTc2    PAT
v{eN}hTc2       PAT
hPc4    PAT
hPTc4   PAT
hTc4    PAT
sD      PAT
sF      PAT
sP      PAT
sPeN    PAT
sR      PAT
sUeN    PAT
sZ      PAT
sI      PAT INTENT KAM
sU      PAT PURP
sC      JAKDL
hA      KAM
hF      ODKUD
hL      KDE
hM      PAT
hPc1    PAT
hPTc1   PAT
hQc1    PAT
hQc7    PAT
hPc3    PAT
hPTc3   PAT
hTc3    (PAT) PURP
hPc7    PAT JAK
hPTc7   (PAT) MEANS SUBST
hRc7    PAT
hTc7    (PAT) MEANS CAUSE
hMr{na} PAT
hMr{o}  DIFF
```

```
hMr{za} MEANS
hAr{do} KAM
hAr{na} KAM
hPc3r{vůči}     PAT
hPc4r{o}        PAT
hPc6r{o}        PAT
hPc6r{po}       PAT
hPc6r{při}      PAT
hPc6r{v}        KDE
hPc7r{mezi}     (PAT) MEANS KDE
hPc7r{za}       KAM
hPTc1r{jako}    JAK
hPTc2r{bez}     (PAT) JAK
hPTc2r{do}      (PAT) KAM
hPTc2r{místo}   SUBST
hPc2r{u}        KDE
hPTc2r{u}       (PAT) KDE
hPTc2r{vedle}   KAM
hPc2r{kolem}    KDE
hPc3r{proti}    PAT KAM BEN
hPc7r{nad}      (PAT) KDE CAUSE
hPc7r{pod}      KDE
hPc7r{před}     (PAT) KDE
hPTc2r{kolem}   KDE KUDY
hPTc2r{od}      (PAT) ODKUD
hPc2r{od}       (PAT) ODKUD
hPc2r{z}        PAT
hPTc2r{z}       (PAT) ODKUD
hPc6r{na}       PAT
hPc3r{ke}       (PAT) KAM
hPc2r{do}       PAT
hPc4r{mezi}     (PAT) KAM
hPc4r{nad}      KAM
hPc4r{na}       PAT BEN
hPc4r{před}     PAT
hPTc3r{ke}      (PAT) KAM
hPTc3r{k}       (PAT) KAM
hPc4r{za}       PAT SUBST
hPc4r{pro}      PAT BEN
hPc7r{s}        (PAT) ACCOMP
hPTc3r{kvůli}   CAUSE
hPTc3r{proti}   PAT
hPTc4r{jako}    (PAT) JAK
hPTc4r{mezi}    KAM
hPTc4r{nad}     (PAT) KAM KDE JAK
hPTc4r{na}      (PAT) KAM
```

```
hPTc4r{o}       PAT
hPTc4r{pod}     KAM
hPTc4r{pro}     PAT BEN
hPTc4r{před}    KAM
hPTc4r{přes}    KAM KUDY
hPTc4r{v}       PAT
hPTc4r{za}      (PAT) SUBST
hPTc6r{na}      (PAT) KDE
hPTc6r{o}       PAT
hPTc6r{po}      (PAT) HER KAM
hPTc6r{při}     PAT
hPTc6r{v}       (PAT) KDE
hPTc7r{mezi}    (PAT) KDE KUDY
hPTc7r{nad}     (PAT) KDE KUDY CAUSE
hPTc7r{pod}     KDE
hPTc7r{před}    (PAT) PURP
hPTc7r{s}       (PAT) ACCOMP
hPTc7r{za}      (PAT) KDE KAM
hRc2r{od}       ODKUD
hRc2r{ze}       PAT
hRc3r{k}        KAM
hRc4r{pod}      KAM
hRc4r{pro}      JAK
hRc4r{ze}       ODKUD
hRc7r{mezi}     PAT
hRc7r{před}     JAK
hRc7r{s}        JAK
hTc2r{bez}      JAK ACCOMP
hTc2r{během}    KDY
hTc2r{do}       (PAT) KAM
hTc2r{kolem}    KDE KUDY JAK
hTc2r{od}       (PAT) ODKUD JAKDL ZEKDY CAUSE
hTc2r{podle}    NORM CRIT
hTc2r{podél}    KDE KUDY
hTc2r{pomocí}   MEANS
hTc2r{u}        KDE
hTc2r{vedle}    KDE ACCOMP
hTc2r{z}        (PAT) ODKUD
hTc3r{kvůli}    CAUSE PURP
hTc3r{k}        PAT KAM PURP
hTc3r{proti}    PURP BEN
hTc3r{vzhledem k}       REGARD
hTc4r{jako}     (PAT) COMPAR JAK
hTc4r{mezi}     KAM
hTc4r{mimo}     KDE KAM
hTc4r{nad}      KAM
```

```
hTc4r{na}       (PAT) KAM PURP
hTc4r{o}        (PAT) KAM DIFF
hTc4r{pod}      KAM
hTc4r{po}       EXTENT JAKDL
hTc4r{pro}      (PAT) PURP CAUSE
hTc4r{před}     KAM
hTc4r{přes}     KAM KUDY MEANS JAK
hTc4r{skrze}    KUDY
hTc4r{skrz}     KUDY
hTc4r{v}        (PAT) KAM
hTc4r{za}       (PAT) KAM JAK CAUSE
hTc6r{jako v}   JAK
hTc6r{na}       (PAT) KDE JAK
hTc6r{o}        PAT KDY JAK
hTc6r{po}       KDY KAM KUDY JAK CRIT
hTc6r{při}      KDE KDY
hTc6r{v}        (PAT) ACCOMP KDE JAK
hTc7r{mezi}     (PAT) KUDY KDE
hTc7r{nad}      (PAT) KDE CAUSE
hTc7r{pod}      ACCOMP KDE KUDY CAUSE
hTc7r{před}     (PAT) KDY KDE KUDY
hTc7r{s}        (PAT) MEANS ACCOMP
hTc7r{za}       (PAT) KDE KAM
v{eN}hPTc4r{na} PAT
v{eN}hTc2r{do}  KAM
v{eN}hTc3r{k}   PAT
hTc6    X
hPc3r{o}        X
hTc2r{v}        X
hTc7r{v}        X
hPTc4r{do}      X
hRc4r{do}       X
hRc4r{kolem}    X
hTc3r{v}        X
hTc4r{a}        X
```

D. Algorithm for assigning functors

D.1. Prototypical and less typical surface forms

Every participant which is in a typical form is assigned the corresponding functor (i.e. Patient, Addressee, Origin and Effect, resp.). If all participants were assigned a functor and (one) Patient is among them we have a prototypical frame, and the frame is done.

Typical forms:

Patient: `hPc2`, `hPTc2`, `hTc2`, `veNhTc2`, `hPTc4`, `hTc4`, `sD`, `sF`, `sP`, `sPeN`, `sR`, `sUeN`, `sZ`, `hM`, `hPc1`, `hPTc1`, `hQc1`, `hQc7`

Addressee: `hPc3`, `hPTc3`

Origin: `hPc2r{z}`, `hPTc2r{z}`, `hTc2r{z}`, `hPc2r{od}`, `hPTc2r{od}`, `hTc2r{od}`

Effect: `hTc4r{na}`, `hPTc4r{na}`, `hTc4r{v}`, `hPTc4r{v}`

If there are members with no assignment we check whether they are among "less typical" surface forms. Then we check again whether all participants were assigned a functor and whether Patient is among them.

Less typical forms:

Patient: `sI`, `sU`, `hPc4r{na}`, `hPc4`, `hPc6r{o}`, `hPTc6r{o}`, `hTc6r{o}`

Addressee: `hPc3r{proti}`, `hPTc3r{proti}`

Origin: `hPc6r{na}`, `hPc6r{po}`

Effect: `hTc4r{o}`, `hPTc4r{o}`, `hPc4r{o}`

The reason why we look for prototypical frames in two steps is simple. If we fail to assign the prototypical frame we have to continue with a non-protoypical frame. During the assignment of the non-protoypical frame the prototypical forms take precedence over the less typical forms.

D.2. Assigning non-prototypical frame

In Figure D.1 we can see the algorithm for assigning actants to non-prototypical frame, if the frame contains at most one form typical for Patient.

If two members have forms typical for Patient special treatment is needed. In such a case we have to decide whether the two members are Addressee and Patient (e.g. *přesvědčit koho$_{Addr}$ aby/ať$_{Pat}$*—persuade sb to do st) or Patient and Effect (e.g. *dozvědět se co$_{Eff}$ na koho/o kom$_{Pat}$*—to learn st about sb). The main criterion is animacy. If one of the members has the form hPc4 or hPTc4 it is declared Addressee. In other cases we decide between Patient and Effect: the "more animate" member is declared Patient and the other Effect.

D.3. Results

A small lexicon containing 105 most frequent verbs from CNC (Kocek et al., 2000) was extracted from the whole source dictionary for testing purposes. The testing lexicon does not contain verbs *být* (be) and modal verbs as they need special treatment. The results of the automatic procedure on this portion of the lexicon are shown below.

D.3.1. Verbs processed fully automatically

```
brát    R--s[i1]1(hPTc1)2[hPTc4|hPc4r{na}]%$
čekat   RSEs[i1]1[hPTc1]@
činit   RSIs[i1]1[hPTc1]@
činit   R--s[i1]1(hPTc1)2[hTc4]3(hPc3)%$
dát     RSEs[i1]1[hPTc1]A[sI|hPTc2r{do}|hPTc3r{ke}|hTc4r{na}]@
dát     R--s[i1]1(hPTc1)2[hPTc4]3[hPc3]%$
dát     R--s[i1]1(hPTc1)2[sP|sU|hPc4r{na}]%$
dělat   RSEs[i1]1[hPTc1]2[hTc4]4[hPc2r{z}]@
dělat   R--s[i1]1(hPTc1)A[hPTc4r{na}|hTc2r{do}]
           EJ[hTc6r{na}|hTc6r{v}]V[hPTc7r{s}|hTc6r{v}]$
dělat   R--s[i1]1(hPTc1)2[hPTc4]3(hPc3|hRc2r{ze})%$
dít     RSEs[i1]1[hPTc1]2[hPc3]A[hA]@
dít     R--s[i1]1(hPTc1)2[hTc4]3[hPc3]%$
dodat   R--s[i1]1(hPTc1)2[hTc2]3[hPTc3]%$
dodat   R--s[i1]1(hPTc1)2[hTc4]A[hTc2r{do}|hTc3r{k}]%$
dodat   R--s[i1]1(hPTc1)2[hTc4]3(hPc3|hTc3r{k})A(hTc2r{do}|hTc3r{k})
           %$
dojít   R--s[i1]1(hPTc1)2[hPTc2|hPTc4r{pro}|hTc3r{k}]
           A[hPTc3r{ke}|hPTc4r{na}|hTc3r{k}]%$
dojít   R--s[i1]1(hPTc1)2[hTc4]3[hPc3]%$
dokázat R--s[i1]1(hPTc1)2[sD|sI]%$
dosáhnout       R--s[i1]1(hPTc1)A[hTc2r{do}|hTc3r{k}|hTc4r{na}]$
```

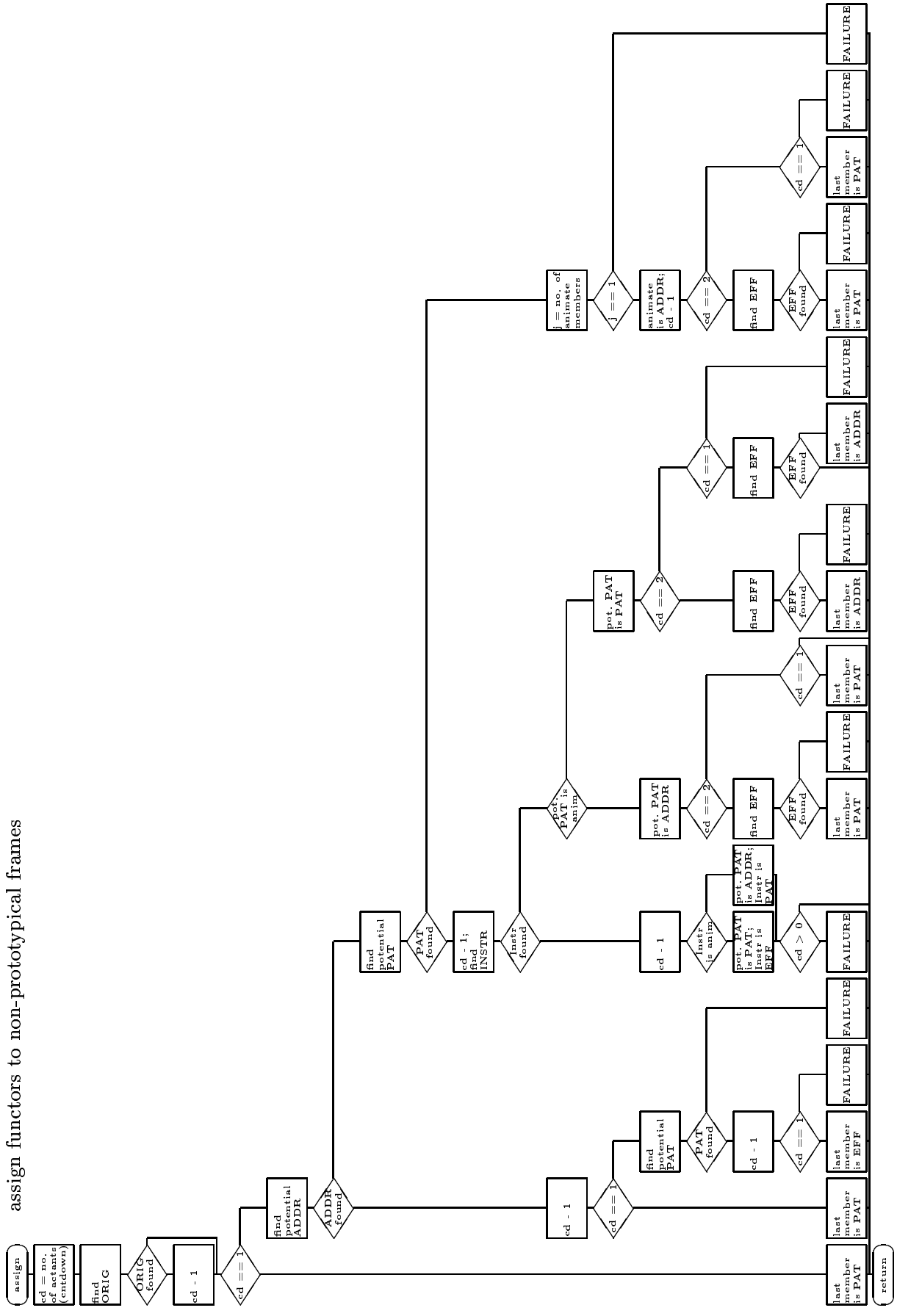

Figure D.1.: The algorithm for assigning functors to non-prototypical frame

```
dosáhnout       R--s[i1]1(hPTc1)2[hTc2]4(hPc6r{na})%$
dostat  RSEs[i1]1[hPTc1]A[hPTc3r{ke}|hPTc4r{na}|hPTc4r{přes}]@
dostat  R--s[i1]1(hPTc1)2[hPTc4|hTc4]A[hTc2r{do}|hTc4r{na}]
           O[hPTc2r{z}|hTc2r{z}]%$
existovat       R--s[i1]1(hPTc1)E[hTc2r{u}|hTc6r{na}|hTc6r{v}]$
hledat  R--s[i1]1(hPTc1)2[hPTc4]E[hPTc2r{u}|hPTc6r{v}|hTc6r{na}]
           %$
hrát    R--s[i1]1(hPTc1)2[hTc4]3(hPc3|hPc4r{pro})%$
chybět  R--s[i1]1(hPTc1)2[hPTc1]EJ[hTc6r{na}|hTc6r{v}]%$
chybět  R--s[i1]1(hPTc1)2[hPTc1]3(hPc3)EJ(hTc6r{na}|hTc6r{v})%$
chybět  R--s[i1]1(hPTc1)2[hTc4]E[hTc2r{u}]%$
informovat      R--s[i1]1(hPTc1)2(hPTc6r{o})3[hPc4]%$
jednat  RSEs[i1]1[hPTc1]2[hPTc4r{o}]@
jednat  R--s[i1]1(hPTc1)2[hPTc4]%$
mít     R--s[i1]1(hPTc1)2[hPTc4]A(hTc3r{k}|hTc4r{za})%$
nabízet R--s[i1]1(hPTc1)2[hPTc4]3(hPc3)%$
najít   RSEs[i1]1[hPTc1]E[hPc2r{u}|hTc6r{na}|hTc6r{v}]@
najít   R--s[i1]1(hPTc1)2[hTc4]4[hPc6r{na}]%$
napsat  RSEs[i1]1[hPTc1]A[hTc2r{do}|hTc4r{na}]@
napsat  RSIs[i1]1[hPTc1]2[hTc4]A(hTc2r{do}|hTc4r{na})@
nechat  RSIs[i1]1[hPTc1]2[hTc4|sI]@
nechat  R--s[i1]1(hPTc1)2[hPTc2]%$
nechat  R--s[i1]1(hPTc1)2(sI|hPc3)3[hPTc4]
           E(hPc2r{u}|hTc6r{na}|hTc6r{v})%$
nechat  R--s[i1]1(hPTc1)2[hTc4]4(hPc6r{na})%$
objevit RSEs[i1]1[hPTc1]E[hPc2r{u}|hTc6r{na}|hTc6r{při}|hTc6r{v}]
           @
objevit R--s[i1]1(hPTc1)2[hPTc4]EJ(hTc6r{na}|hTc6r{v})%$
očekávat        R--s[i1]1(hPTc1)2[hPTc4]EJ(hTc6r{na}|hTc6r{v})%$
odmítnout       R--s[i1]1(hPTc1)2[hPTc4]%$
odmítnout       R--s[i1]1(hPTc1)2[hTc4]3[hPc3]%$
otevřít RSEs[i1]1[hPTc1]2[hPTc3]@
oznámit R--s[i1]1(hPTc1)2[sD|sR|sZ]%$
patřit  RSEs[i1]1[hPTc1]2[sI|sU]@
patřit  R--s[i1]1(hPTc1)2[hPc3]
           A[hPTc3r{ke}|hPTc4r{mezi}|hPTc4r{pod}|hTc2r{do}|hTc4r{na}]%$
počítat R--s[i1]1(hPTc1)2[sD|sR|sZ]%$
podařit RSEs[i1]1[hPTc1]2[hPc3]@
podepsat        RSEs[i1]1[hPTc1]EJ[hTc6r{na}|hTc6r{v}]@
podepsat        R--s[i1]1(hPTc1)2[hPTc4]%$
podepsat        R--s[i1]1(hPTc1)2[hTc4]3[hPc3]%$
pomoci  R--s[i1]1(hPTc1)2[hPc3]A(hTc2r{do}|hTc3r{k})
           E(hTc6r{při}|hTc6r{v})O(hPTc2r{od}|hTc2r{z})%$
potřebovat      R--s[i1]1(hPTc1)2[hPTc4]AP(hTc3r{k}|hTc4r{na})%$
potřebovat      R--s[i1]1(hPTc1)2[hTc2|sI|sU]%$
potvrdit        RSEs[i1]1[hPTc1]2[sD|sR|sZ]@
```

```
potvrdit        R--s[i1]1(hPTc1)2[hPTc4|sD|sR|sZ]%$
považovat       RSIs[i1]1[hPTc1]2[hPTc2]@
považovat       R--s[i1]1(hPTc1)$
pracovat        R--s[i1]1(hPTc1)2[hPTc4r{pro}|hTc3r{k}]
           A[hPTc4r{na}|hTc3r{k}|hTc4r{přes}]
           E[hPTc2r{u}|hPTc6r{na}|hTc6r{v}]I[hTc7|hTc4r{přes}]
           J[hTc4r{jako}|hTc4r{přes}|hTc6r{v}]%$
prodat  R--s[i1]1(hPTc1)2(hPTc4)3[hPc3]
           A(hTc4r{na}|hTc4r{za}|hTc6r{po})%$
prohlásit       RSEs[i1]1[hPTc1]S[hPTc7|hPTc4r{za}]@
prohlásit       R--s[i1]1(hPTc1)2(hPTc6r{o})5[hTc4]%$
předpokládat    R--s[i1]1(hPTc1)2[sD]%$
představovat    RSIs[i1]1[hPTc1]2[sD|sR|sZ]@
přijít  RSIs[i1]1[hPTc1]A[sI|hPTc4r{na}]@
přijmout        R--s[i1]1(hPTc1)2[hPc4]J(hPTc4r{jako}|hTc4r{za})%$
přinést R--s[i1]1(hPTc1)2[hPTc4]EJ(hTc6r{na}|hTc6r{v})%$
připravit       RSIs[i1]1[hPTc1]2[hPTc4]A(hPTc4r{na}|hTc2r{do}|hTc3r{k})
           @
připravit       R--s[i1]1(hPTc1)A[hTc2r{do}|hTc3r{k}]$
připravit       R--s[i1]1(hPTc1)2[hPc4]
           A[hTc2r{do}|hTc3r{k}|hTc4r{na}|hTc4r{o}]%$
připravit       R--s[i1]1(hPTc1)2[hTc4]3(hPc3)
           A(hTc2r{do}|hTc3r{k}|hTc4r{na})%$
působit R--s[i1]1(hPTc1)2[hTc4]3[hPc3]%$
rozhodnout      R--s[i1]1(hPTc1)2[hTc4]J[hTc6r{o}|hTc6r{v}]%$
rozhodnout      R--s[i1]1(hPTc1)2[sD|sR|sZ]%$
rozpočíst       RSEs[i1]1[hPTc1]@
říci    RSIs[i1]1[hPTc1]2(hPTc6r{o})5[hTc4]@
říci    RSIs[i1]1[hPTc1]2[sD|sR|sZ]@
říci    R--s[i1]1(hPTc1)2[hTc4]3(hPTc3|hPTc6r{o}|hTc3r{k})
           A(hPTc2r{do}|hPTc4r{na}|hTc3r{k})P(hTc3|hTc3r{k})%$
říci    R--s[i1]1(hPTc1)2[hPTc6r{o}|hTc3r{k}]5[hTc4]
           A[hPTc2r{do}|hPTc4r{na}|hTc3r{k}]P[hTc3|hTc3r{k}]%$
říci    R--s[i1]1(hPTc1)2[sD|sR|sZ]3(hPc3)%$
říci    R--s[i1]1(hPTc1)2[sP|sU]%$
říkat   RSIs[i1]1[hPTc1]2(hPTc6r{o})5[hTc4]@
říkat   RSIs[i1]1[hPTc1]2[sD|sR|sZ]@
říkat   R--s[i1]1(hPTc1)2[hTc4]3(hPTc3|hPTc6r{o}|hTc3r{k})
           A(hPTc2r{do}|hPTc4r{na}|hTc3r{k})P(hTc3|hTc3r{k})%$
říkat   R--s[i1]1(hPTc1)2[hPTc6r{o}|hTc3r{k}]5[hTc4]
           A[hPTc2r{do}|hPTc4r{na}|hTc3r{k}]P[hTc3|hTc3r{k}]%$
říkat   R--s[i1]1(hPTc1)2[sD|sR|sZ]3(hPc3)%$
říkat   R--s[i1]1(hPTc1)2[sP|sU]%$
sdělit  RSIs[i1]1[hPTc1]2[sD|sR|sZ]@
sdělit  R--s[i1]1(hPTc1)2[sD|sR|sZ]%$
skončit RSEs[i1]1[hPTc1]@
```

```
skončit R--s[i1]1(hPTc1)E[hTc2r{u}|hTc6r{na}|hTc6r{v}]
           V[hPTc7r{s}|hTc6r{v}]$
slyšet  R--s[i1]1(hPTc1)2(hPTc6r{o})5[hTc4]%$
snažit  RSEs[i1]1[hPTc1]2[sI|sU]@
stanovit        R--s[i1]1(hPTc1)2[hTc4]3(hPc3)EJ(hTc6r{na}|hTc6r{v})%$
stát    RSIs[i1]1[hPTc1]E[hTc6r{na}|hTc7r{za}]@
stát    R--s[i1]1(hPTc1)
           2[sD|hM|hPc3r{proti}|hPc6r{na}|hPTc4r{o}|hPTc6r{při}]
           A[hPc7r{za}|hPc3r{proti}|hTc4r{za}|hTc7r{za}]
           E[hPTc7r{nad}|hTc2r{kolem}|hTc2r{u}|hTc6r{v}|hTc7r{pod}|hTc7r{za}]
           P[hPTc7r{před}|hTc3r{proti}]%$
trvat   R--s[i1]1(hPTc1)EJ[hTc6r{na}|hTc6r{v}]$
tvrdit  R--s[i1]1(hPTc1)2[hTc4]3(hPc3|hPTc6r{o})%$
tvrdit  R--s[i1]1(hPTc1)2[sD]%$
udělat  RSEs[i1]1[hPTc1]EJ[hTc6r{na}|hTc6r{v}]@
udělat  RSIs[i1]1[hPTc1]2[hTc4]@
ukázat  R--s[i1]1(hPTc1)2[hPTc4]3[hPc3]%$
ukázat  R--s[i1]1(hPTc1)2[sD|sR|sZ]A[hPTc4r{na}|hTc2r{do}]%$
uvádět  R--s[i1]1(hPTc1)2[hTc4]3[hPc3]%$
uvést   R--s[i1]1(hPTc1)2[hPc4]
           A(hPc3r{ke}|hTc2r{do}|hTc4r{na}|hTc4r{v})%$
uvést   R--s[i1]1(hPTc1)2[hPTc4]EJ(hTc6r{na}|hTc6r{v})%$
uvést   R--s[i1]1(hPTc1)2[hPTc4]3(hPc3)EJ(hTc6r{na}|hTc6r{v})%$
vědět   R--s[i1]1(hPTc1)2[sD|sR|sZ]%$
věnovat RSEs[i1]1[hPTc1]2[hPTc3]@
věřit   R--s[i1]1(hPTc1)2[hTc4]3[hPc3]%$
vést    R--s[i1]1(hPTc1)2[hPTc4]%$
vrátit  R--s[i1]1(hPTc1)2[hTc4]3[hPc3]%$
vydat   R--s[i1]1(hPTc1)2[hPTc4]A(hTc4r{na}|hTc4r{v})%$
vydat   R--s[i1]1(hPTc1)2[hPTc4]3(hPTc3)A(hTc4r{na}|hTc4r{v})%$
vyhrát  R--s[i1]1(hPTc1)C[hTc7|hPTc7r{nad}]$
vyhrát  R--s[i1]1(hPTc1)2[hTc4]4[hPc6r{na}]%$
vycházet        R--s[i1]1(hPTc1)A[hTc2r{do}|hTc4r{na}]
           O[hPTc2r{z}|hTc2r{od}]$
vzít    RSIs[i1]1[hPTc1]2[hPc4]A[hTc4r{na}|hTc4r{za}]@
vzít    R--s[i1]1(hPTc1)A[hTc2r{do}|hTc3r{k}|hTc4r{na}]
           EJU[hTc2r{kolem}]$
vzít    R--s[i1]1(hPTc1)2[hPTc4]3[hPc3]%$
začínat R--s[i1]1(hPTc1)2[sI|hPTc6r{o}]O[hTc2r{od}|hTc2r{z}]%$
začít   R--s[i1]1(hPTc1)2[sI|hPTc6r{o}]O[hTc2r{od}|hTc2r{z}]%$
zdát    RSEs[i1]1[hPTc1]2[sD|sZ|hQc1|hPTc6r{o}]3(hPc3)@
získat  RSIs[i1]1[hPTc1]2[hTc4]@
zjistit RSIs[i1]1[hPTc1]2[hTc4]E(hPc2r{u}|hTc6r{na}|hTc6r{v})@
zjistit R--s[i1]1(hPTc1)2[hPTc4]%$
zjistit R--s[i1]1(hPTc1)2[hTc4]E(hPc2r{u}|hTc6r{na}|hTc6r{v})%$
změnit  RSEs[i1]1[hPTc1]A[hTc4r{na}|hTc4r{v}]@
```

```
znamenat        R--s[i1]1(hPTc1)2[hTc4|sD]%$
znát    R--s[i1]1(hPTc1)2[v{eN}hTc2|hPTc4]%$
zůstat  R--s[i1]1(hPTc1)E[hPTc2r{u}|hTc6r{na}|hTc6r{v}]$
zvýšit  R--s[i1]1(hPTc1)2[hTc4]3(hPc3)EJ(hTc6r{na}|hTc6r{v})
           F(hMr{o}|hTc4r{o})%$
žít     RSIs[i1]1[hPTc1]EJ[hTc6r{na}|hTc6r{v}]V[hPc7r{s}|hTc6r{v}]@
žít     R--s[i1]1(hPTc1)2[hTc4]%$
```

D.3.2. Verbs with ambiguous frames

```
brát    RSEs[i1]1[hPTc1]2[hPTc4r{o}]2O[hTc2r{z}]2EJV[hTc6r{v}]@
brát    RSIs[i1]1[hPTc1]2[hPc4]2ACJ(hTc4r{za})@
brát    RSIs[i1]1[hPTc1]2[hTc4]2A[hTc2r{do}]2CI(hTc7)2O(hTc2r{z})@
brát    R--s[i1]1(hPTc1)2[hPc4|hTc4]2ACJ[hTc4r{za}]%$
brát    R--s[i1]1(hPTc1)2[hTc4]2[hPc3]2O[hTc2r{z}]2ACJ[hTc4r{za}]%$
cítit   RSEs[i1]1[hPTc1]2CI[hTc7]2AP[hTc4r{na}]@
cítit   R--s[i1]1(hPTc1)2[hPTc4]2EJV(hTc6r{v})%$
cítit   R--s[i1]1(hPTc1)2[hTc4]2CI(hTc7)%$
cítit   R--s[i1]1(hPTc1)2LV[hPc7r{s}]$
čekat   R--s[i1]1(hPTc1)2A[hPTc4r{na}]$
čekat   R--s[i1]1(hPTc1)2[hPc3]2IV[hTc7r{s}]%$
čekat   R--s[i1]1(hPTc1)2[hPTc4|hTc4]2LV[hPc7r{s}]%$
čekat   R--s[i1]1(hPTc1)2[hPTc4]2LV(hPc7r{s})%$
činit   RSEs[i1]1[hPTc1]2EJV[hTc6r{v}]@
dát     RSIs[i1]1[hPTc1]2[hTc4]2IV(hTc7r{s})@
dát     R--s[i1]1(hPTc1)2A[sI]2[hPc3]%$
dát     R--s[i1]1(hPTc1)2[hPTc4]2AP[hTc4r{na}]2A[hTc2r{do}]
           A[hTc4r{před}]%$
dělat   RSEs[i1]1[hPTc1]2IS[hPTc7]2V[hPTc7r{s}]@
dělat   R--s[i1]1(hPTc1)2[hTc4]2[hM|hPc6r{po}|hPc4r{pro}]
           2IV[hTc7r{s}]E[hPc2r{u}]%$
dojít   R--s[i1]1(hPTc1)2LV[hPc7r{s}]2A(hTc2r{do})$
dokázat R--s[i1]1(hPTc1)2[hTc4]2(hPc3)2EJV(hTc6r{v})%$
dosáhnout       R--s[i1]1(hPTc1)2[hTc4]2CI(hTc7)%$
dostat  RSEs[i1]1[hPTc1]2CI[hTc7]2O(hTc2r{z})A(hTc2r{do}|hTc4r{na})
           @
dostat  RSEs[i1]1[hPTc1]2[hTc2]2A[hTc2r{do}]2(hPc3)@
dostat  R--s[i1]1(hPTc1)2CI[hTc7]%$
dostat  R--s[i1]1(hPTc1)2CI[hTc7]A(hTc2r{do}|hTc4r{na}|hTc6r{po})
           %$
dostat  R--s[i1]1(hPTc1)2[hPTc4]2O(hTc2r{z})A(hTc2r{do}|hTc4r{na})
           %$
dostat  R--s[i1]1(hPTc1)2[hTc4]2ACJ[hTc4r{za}]
           O[hPc2r{od}|hPTc2r{z}]%$
dostat  R--s[i1]1(hPTc1)2[hTc4]2O[hPTc2r{z}]%$
hovořit R--s[i1]1(hPTc1)2CI[hTc7]2A(hPc3r{ke})%$
```

```
hovořit R--s[i1]1(hPTc1)2LV[hPc7r{s}]2JY(hTc6r{o})$
hrát    RSEs[i1]1[hPTc1]2V[hPTc7r{s}]@
hrát    RSIs[i1]1[hPTc1]2A[hPTc4r{na}]2V(hPTc7r{s})@
hrát    R--s[i1]1(hPTc1)2[hPc3]2A(hTc2r{do})%$
hrát    R--s[i1]1(hPTc1)2[hPTc4]2EJV(hTc6r{v})%$
hrát    R--s[i1]1(hPTc1)2V[hPTc7r{s}]A[hTc4r{na}|hTc4r{o}]$
chodit  R--s[i1]1(hPTc1)2AF[hTc4r{o}]2CP[hTc4r{pro}]
           CP[hTc3r{kvůli}]$
chodit  R--s[i1]1(hPTc1)2A[hPc3r{ke}]A(hTc4r{na}|hTc4r{o})
           CP(hTc3r{kvůli})$
chodit  R--s[i1]1(hPTc1)2B[hPc4r{na}]2IV(hTc7r{s})
           A[hPc7r{za}|hTc4r{na}]$
chodit  R--s[i1]1(hPTc1)2B[hPc4r{pro}]2A(hTc2r{do})$
chodit  R--s[i1]1(hPTc1)2CP[hTc4r{pro}]
           A[sI|hPc3r{ke}|hPTc7r{za}|hTc4r{o}]V[hPTc7r{s}|hTc6r{v}]%$
informovat      RSEs[i1]1[hPTc1]2[hPTc6r{o}]2AP[hTc4r{na}]E[hPc2r{u}]
           @
jednat  R--s[i1]1(hPTc1)2LV[hPc7r{s}]2(hPTc6r{o})2AF(hTc4r{o})$
jet     R--s[i1]1(hPTc1)2CI[hTc7]AJTUY(hTc6r{po})%$
jet     R--s[i1]1(hPTc1)2[hTc4|hPc3|hPc4r{pro}]2E[hPTc6r{na}]
           2IV[hTc7r{s}]
           A[hPc7r{za}|hPc3r{ke}|hPTc6r{po}|hTc2r{do}|hTc4r{na}]%$
jít     R--s[i1]1(hPTc1)2A[hPc3r{ke}]CP(hTc3r{kvůli}|hTc4r{pro})$
jít     R--s[i1]1(hPTc1)2A[hPTc3r{ke}]2AF(hTc4r{o})2IV(hTc7r{s})$
jít     R--s[i1]1(hPTc1)2A[hTc2r{do}]2CP(hTc4r{pro})$
jít     R--s[i1]1(hPTc1)
           2[hTc4|sI|hPTc3r{proti}|hPTc4r{o}|hPTc4r{pro}|hTc3r{k}]
           2S[hPTc4r{za}]C[hTc7|hTc2r{od}]%$
jít     R--s[i1]1(hPTc1)2IV[hTc7r{s}]A[hPc7r{za}|hPTc4r{na}]$
mít     RSEs[i1]1[hPTc1]2A[hPTc3r{ke}]@
mít     R--s[i1]1(hPTc1)2A[sI]A(hA)%$
mít     R--s[i1]1(hPTc1)2[hTc4]2O(hTc2r{z})A(sI|hTc4r{za})
           V(hPc7r{s}|hTc6r{v})%$
mluvit  R--s[i1]1(hPTc1)2[hPc3]2A[hTc2r{do}]%$
mluvit  R--s[i1]1(hPTc1)
           2[hPTc4|hPc2r{do}|hPc4r{na}|hPTc3r{proti}|hPTc4r{pro}]
           2A[hPTc3r{ke}]2S[hPTc4r{za}]%$
mluvit  R--s[i1]1(hPTc1)2LV[hPc7r{s}]2(hPTc6r{o})$
myslit  R--s[i1]1(hPTc1)2[hPTc4|sD|hPTc6r{o}]2A[hPTc4r{na}]
           2EJV[hTc6r{v}]%$
nabízet RSEs[i1]1[hPTc1]2[hPc3]2AP(hTc3r{k})@
najít   R--s[i1]1(hPTc1)2[hPTc4]2O(hTc2r{z})EJ(hTc6r{na}|hTc6r{v})
           %$
napsat  RSIs[i1]1[hPTc1]2[hPc3]2AF(hTc4r{o})@
napsat  R--s[i1]1(hPTc1)2[hTc4]2(hPc3)2CI[hTc7]
           A(hTc2r{do}|hTc4r{na})%$
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nechat  RSEs[i1]1[hPTc1]2A[sI]@
očekávat        R--s[i1]1(hPTc1)2[hTc4]2O[hPTc2r{od}]%$
odpovídat       RSEs[i1]1[hPTc1]2[hPc3]2O(hTc2r{z})@
odpovídat       R--s[i1]1(hPTc1)2[hPc3]2ACJ(hTc4r{za})%$
odpovídat       R--s[i1]1(hPTc1)2[hPc3]2CI[hTc7]2AP[hTc4r{na}]%$
odpovídat       R--s[i1]1(hPTc1)2P[hTc3]%$
otevřít RSEs[i1]1[hPTc1]2[hPTc3]2E[hPc7r{před}]@
otevřít R--s[i1]1(hPTc1)2[hTc4]2(hPc3)2CI(hTc7)2A(hTc2r{do})%$
otevřít R--s[i1]1(hPTc1)2[hTc4]2(hPTc3)2CI(hTc7)2A(hTc2r{do})%$
oznámit R--s[i1]1(hPTc1)2[hTc4]2[hPc3]2CI(hTc7)2B(hPc4r{na})%$
pět     R--s[i1]1(hPTc1)2[hTc4]2JY(hTc6r{o})%$
platit  R--s[i1]1(hPTc1)2[hPc3]2[hTc4]2CI[hTc7]2ACJ[hTc4r{za}]%$
platit  R--s[i1]1(hPTc1)2[hPTc3]2A[hPTc4r{na}]2S[hPTc4r{za}]
           2CDOZ[hTc2r{od}]E[hPc2r{u}]%$
platit  R--s[i1]1(hPTc1)2[hPTc4]2ACJ(hTc4r{za})%$
platit  R--s[i1]1(hPTc1)2[hTc4]2B[hPTc4r{pro}]%$
počíst  RSIs[i1]1[hPTc1]2[hTc4|hTc6r{o}]2EJV[hTc6r{v}]@
počítat R--s[i1]1(hPTc1)2[hPTc4]2ACJ(hTc4r{za})%$
počítat R--s[i1]1(hPTc1)2V[hPTc7r{s}]P(hTc4r{na}|hTc4r{pro})$
podepsat        RSEs[i1]1[hPTc1]2[hPc3]2CI(hTc7)A(hTc2r{do}|hTc4r{na})@
pokračovat      R--s[i1]1(hPTc1)2CI[hTc7]
           A[hPTc3r{ke}|hTc2r{do}|hTc4r{na}]EJ[hTc6r{na}|hTc6r{v}]%$
pomoci  RSIs[i1]1[hPTc1]2CI[hTc7]2O[hPTc2r{od}]2AP[hTc3r{k}]
           E[hTc6r{při}|hTc6r{v}]V[hPTc7r{s}|hTc6r{v}]@
pomoci  R--s[i1]1(hPTc1)2[hPTc3]2CI(hTc7)%$
potvrdit        R--s[i1]1(hPTc1)2[hTc4]2[hPc3]2CI[hTc7]%$
pracovat        R--s[i1]1(hPTc1)2V[hPTc7r{s}]2EJ(hTc6r{na})$
prodat  RSEs[i1]1[hPTc1]2[hPc3]2ACJ(hTc4r{za})@
prohlásit       R--s[i1]1(hPTc1)2[hPc4]2CI(hTc7)%$
prohlásit       R--s[i1]1(hPTc1)2[hPTc4]2S(hPTc4r{za})%$
předpokládat    R--s[i1]1(hPTc1)2[hTc4]2JY(hTc6r{o})%$
představovat    RSEs[i1]1[hPTc1]2[hPc3]2CI(hTc7)@
představovat    RSIs[i1]1[hPTc1]2[hPTc4]2JR(hTc4r{jako})@
představovat    R--s[i1]1(hPTc1)2[hPTc4]2(hPc3)2CI(hTc7)
           EJ(hTc6r{na}|hTc6r{v})%$
představovat    R--s[i1]1(hPTc1)2[hTc4]2P(hTc3)%$
přijít  R--s[i1]1(hPTc1)2A[hPc3r{ke}]2B[hPc4r{na}]2IV(hTc7r{s})$
přijít  R--s[i1]1(hPTc1)2[sI|hPc3|hPTc4r{o}|hPTc4r{pro}]
           2V[hPTc7r{s}]%$
přijmout        R--s[i1]1(hPTc1)2[hPc4|hTc4]2J[hPTc4r{jako}]
           2AP[hTc4r{na}]%$
přijmout        R--s[i1]1(hPTc1)2[hPTc4]2J(hPc7)A(hTc2r{do}|hTc4r{na})
           E(hPc2r{u})%$
přijmout        R--s[i1]1(hPTc1)2[hTc4]2IV[hTc7r{s}]%$
přijmout        R--s[i1]1(hPTc1)2[hTc4]2O(hPc2r{od})2AP(hTc4r{na})%$
přijmout        R--s[i1]1(hPTc1)2J[hPTc4r{jako}]$
```

```
přinést R--s[i1]1(hPTc1)2[hPTc4]2[hPTc3]2CI[hTc7]2O[hTc2r{z}]
           A[hTc2r{do}|hTc4r{na}]%$
připravit       RSEs[i1]1[hPTc1]2CI[hTc7]2AF(hTc4r{o})@
připravit       RSEs[i1]1[hPTc1]2CI[hTc7]2EJV[hTc6r{v}]
           A[hPTc4r{na}|hTc2r{do}|hTc3r{k}]@
připravit       R--s[i1]1(hPTc1)2[hPc4]2AP(hTc3r{k})%$
psát    RSEs[i1]1[hPTc1]2JR[hTc4r{jako}]@
psát    RSIs[i1]1[hPTc1]2LV[hPc7r{s}]2JY(hTc6r{o})
           A(hTc2r{do}|hTc4r{na})@
psát    R--s[i1]1(hPTc1)2B[hPTc4r{pro}]EJ[hTc6r{na}|hTc6r{v}]$
psát    R--s[i1]1(hPTc1)2[hTc4]2A[hPTc4r{na}]%$
psát    R--s[i1]1(hPTc1)2[hTc4]2CI(hTc7)2(hPc3)2JY(hTc6r{o})%$
působit R--s[i1]1(hPTc1)2CI[hTc7]2A(hPTc4r{na})%$
působit R--s[i1]1(hPTc1)2P[sU]2JR[hTc4r{jako}]%$
rozhodnout      RSEs[i1]1[hPTc1]
           2[sD|sR|sZ|hPTc4r{pro}|hTc3r{k}|hTc6r{o}]2EU[hPTc7r{mezi}]@
rozpočíst       R--s[i1]1(hPTc1)2CI[hTc7]%$
rozpočíst       R--s[i1]1(hPTc1)2[hTc4]2AP(hTc4r{na})%$
růst    R--s[i1]1(hPTc1)2[hPc3]2CI[hTc7]2A[hTc2r{do}]2O[hTc2r{z}]
           EJ[hTc6r{na}|hTc6r{v}]%$
říci    RSIs[i1]1[hPTc1]2[hPc3]2AF(hTc4r{o})@
říci    R--s[i1]1(hPTc1)2[sD|sR|sZ]2AF[hTc4r{o}]2[hPc3]%$
říkat   RSIs[i1]1[hPTc1]2[hPc3]2AF(hTc4r{o})@
říkat   R--s[i1]1(hPTc1)2[sD|sR|sZ]2AF[hTc4r{o}]2[hPc3]%$
sdělit  RSIs[i1]1[hPTc1]2[hTc4]2LV[hPc7r{s}]@
sdělit  R--s[i1]1(hPTc1)2[hTc4]2[hPTc3]2JY(hTc6r{o})%$
skončit R--s[i1]1(hPTc1)2[hTc4]2CI(hTc7)%$
slyšet  R--s[i1]1(hPTc1)2[hPTc4|sD|sR|sZ]2AP[hTc4r{na}]%$
smět    R--s[i1]1(hPTc1)2A[sI]%$
stačit  R--s[i1]1(hPTc1)2[hPc3]2AP(hTc3r{k})%$
stačit  R--s[i1]1(hPTc1)2[hPTc3]2CI(hTc7)2EJV(hTc6r{v})%$
stačit  R--s[i1]1(hPTc1)2IV[hTc7r{s}]A[sI|hPTc4r{na}]
           BP[hTc3r{proti}]%$
stanovit        RSIs[i1]1[hPTc1]2[hTc4]2JR(hTc4r{jako})@
stát    RSEs[i1]1[hPTc1]2[sD|hQc7|hPTc3]2IS[hPTc7]@
stát    R--s[i1]1(hPTc1)2[hPc3]2EJ(hTc6r{na})2CI(hTc7)
           AJTUY(hTc6r{po})%$
tvořit  RSEs[i1]1[hPTc1]2CI[hTc7]2O[hTc2r{z}]@
tvořit  R--s[i1]1(hPTc1)2[hTc4]2CI(hTc7)2O(hTc2r{z})%$
udělat  R--s[i1]1(hPTc1)2[hPc4]2[hQc7]2IS[hPTc7]%$
udělat  R--s[i1]1(hPTc1)2[hTc4]2CI(hTc7)2O(hPTc2r{z})2V(hPTc7r{s})
           %$
udělat  R--s[i1]1(hPTc1)2[hTc4]2[hPc3]2O[hTc2r{z}]AIJU[hTc4r{přes}]
           %$
ukázat  RSEs[i1]1[hPTc1]2[sD|sR|sZ]2P[hPTc7r{před}]
           J[hTc4r{jako}|hTc6r{na}|hTc6r{v}]@
```

```
uvádět  RSEs[i1]1[hPTc1]2CI[hTc7]EJ(hTc6r{na}|hTc6r{v})@
uvádět  R--s[i1]1(hPTc1)2[hPc4]2A(hPc3r{ke})%$
uvádět  R--s[i1]1(hPTc1)2[hPTc4]2CI(hTc7)%$
uvádět  R--s[i1]1(hPTc1)2[hPTc4]2CI(hTc7)
           A(hTc2r{do}|hTc4r{na}|hTc4r{v})%$
uvést   RSEs[i1]1[hPTc1]2CI[hTc7]2EJV[hTc6r{v}]@
uvést   R--s[i1]1(hPTc1)2[hTc4]2CI(hTc7)2A(hTc2r{do})%$
vědět   R--s[i1]1(hPTc1)2[hTc4]2O[hPc2r{od}]2[hPc4r{na}|hPTc6r{o}]
           %$
věnovat R--s[i1]1(hPTc1)2[hTc4]2[hPTc3]2A[hPTc4r{na}]%$
věřit   R--s[i1]1(hPTc1)2[sD|sR|sZ|hPTc3|hPTc4r{v}]2A[hPTc4r{na}]
           %$
vést    RSEs[i1]1[hPTc1]2[hPTc3]2LV[hPc7r{s}]@
vést    RSIs[i1]1[hPTc1]2EJV[hTc6r{v}]@
vést    R--s[i1]1(hPTc1)2CE[hPc7r{nad}]2EJV(hTc6r{v})$
vést    R--s[i1]1(hPTc1)2[hPc4]2AP[hTc3r{k}]%$
vést    R--s[i1]1(hPTc1)2[hTc4]2LV(hPc7r{s})
           A(hTc2r{do}|hTc4r{na}|hTc4r{přes})I(hTc7|hTc4r{přes})%$
vidět   RSEs[i1]1[hPTc1]2E[hPTc6r{v}]@
vidět   RSEs[i1]1[hPTc1]2LV(hPc7r{s})E[hPc2r{u}|hTc6r{na}|hTc6r{v}]
           @
vidět   R--s[i1]1(hPTc1)2[hPc3]2A[hTc2r{do}]%$
vidět   R--s[i1]1(hPTc1)2[hPc4|hPTc4]2E[hPTc6r{v}]%$
vidět   R--s[i1]1(hPTc1)2[hPTc4]2CI(hTc7)2P(hPTc7r{před})%$
vidět   R--s[i1]1(hPTc1)2[hPTc4]2E[hPTc6r{v}]%$
vidět   R--s[i1]1(hPTc1)2[hTc4]2E[hPTc6r{na}]%$
vidět   R--s[i1]1(hPTc1)2[sD|sR|sZ]2A[hPTc4r{na}]%$
vrátit  RSEs[i1]1[hPTc1]2[hPc3|hTc3r{k}]2V[hPTc7r{s}]2O[hTc2r{z}]
           A[hTc2r{do}|hTc3r{k}|hTc4r{na}]@
vrátit  R--s[i1]1(hPTc1)2[hPTc4]2O(hTc2r{z})
           A(hTc2r{do}|hTc3r{k}|hTc4r{na})P(hTc3|hTc3r{k}|hTc4r{na})%$
vydat   RSEs[i1]1[hPTc1]2[hPc3]2CI[hTc7]2S[hPTc4r{za}]2O[hTc2r{z}]
           A[hPc7r{za}|hPc3r{ke}|hTc2r{do}|hTc4r{na}|hTc4r{v}]@
vydat   R--s[i1]1(hPTc1)2[hPc4|hTc4]2S(hPTc4r{za})%$
vydat   R--s[i1]1(hPTc1)2[hTc4]2CI(hTc7)2A(hPTc4r{na})2S(hPTc4r{za})
           %$
vydat   R--s[i1]1(hPTc1)2[hTc4]2(hPc3)2CI(hTc7)2A(hPTc4r{na})
           2S(hPTc4r{za})%$
vyhrát  RSEs[i1]1[hPTc1]2EJV[hTc6r{v}]@
vyhrát  RSIs[i1]1[hPTc1]2[hTc4]2EJ[hTc6r{na}]2IV[hTc7r{s}]@
vyhrát  R--s[i1]1(hPTc1)2V[hPTc7r{s}]2EJV(hTc6r{v})$
vycházet        R--s[i1]1(hPTc1)2[hTc4]2A[hPTc4r{na}]%$
vycházet        R--s[i1]1(hPTc1)2[hTc4]2[hPc3]2EJV(hTc6r{v})%$
vycházet        R--s[i1]1(hPTc1)2IV(hTc7r{s})A[hTc2r{do}|hTc4r{na}]$
vycházet        R--s[i1]1(hPTc1)2LV[hPc7r{s}]2EJV(hTc6r{v})$
vycházet        R--s[i1]1(hPTc1)2O[hTc2r{z}]E(hTc6r{při}|hTc6r{v})$
```

```
vyjít   RSIs[i1]1[hPTc1]2[hTc4]2O[hTc2r{z}]
           A[hTc2r{do}|hTc4r{na}|hTc6r{po}]@
vyjít   R--s[i1]1(hPTc1)2[hM]2A(hPTc4r{na})$
vyjít   R--s[i1]1(hPTc1)2[hTc4|sD|hM]2AP[hTc4r{na}]2[hPc3]%$
vyjít   R--s[i1]1(hPTc1)2[hTc4]2EJV[hTc6r{v}]%$
vyjít   R--s[i1]1(hPTc1)2V[hPTc7r{s}]A[hTc2r{do}|hTc6r{po}]
           E[hPc2r{u}]O[hPTc2r{od}|hPTc2r{z}|hTc2r{z}]$
vypadat R--s[i1]1(hPTc1)2A[hPTc4r{na}]2V[hPTc7r{s}]J[hPTc1r{jako}]
           $
vytvořit        RSEs[i1]1[hPTc1]2CI[hTc7]EJ[hTc6r{na}|hTc6r{v}]@
vytvořit        R--s[i1]1(hPTc1)2[hTc4]2EJ[hTc6r{na}]%$
vytvořit        R--s[i1]1(hPTc1)2[hTc4]2[hPc3]2EJV(hTc6r{v})%$
vzít    RSEs[i1]1[hPTc1]2[hPTc4r{o}]2S[hPTc4r{za}]2O[hTc2r{z}]
           EJ[hTc6r{na}|hTc6r{v}]V[hPc7r{s}|hTc6r{v}]@
vzít    RSIs[i1]1[hPTc1]2[hPTc4]2CI[hTc7]@
vzít    RSIs[i1]1[hPTc1]2[hTc4]2O(hTc2r{z})2EJV(hTc6r{v})
           A(hTc2r{do}|hTc4r{na})@
vzít    R--s[i1]1(hPTc1)2[hPc4|hPc3]2[hPTc4]2O[hTc2r{z}]
           J[hTc2r{kolem}|hTc4r{za}]%$
vzít    R--s[i1]1(hPTc1)2[hPc4|hPc3]2(hPTc4)2O(hTc2r{z})
           2ACJ(hTc4r{za})%$
vzít    R--s[i1]1(hPTc1)2[hPc4]2CI[hTc7]AJU[hTc4r{přes}|hTc6r{po}]
           %$
vzít    R--s[i1]1(hPTc1)2[hPc4]2O(hTc2r{z})
           A(hTc2r{do}|hTc3r{k}|hTc4r{na}|hTc4r{za})
           J(hTc2r{kolem}|hTc4r{za})%$
vzít    R--s[i1]1(hPTc1)2[hTc4]2O(hTc2r{z})
           A(hPTc4r{na}|hTc2r{do}|hTc3r{k}|hTc4r{za})%$
vzít    R--s[i1]1(hPTc1)2O[hTc2r{z}]A[hTc2r{do}|hTc3r{k}|hTc4r{na}]
           EJU[hTc2r{kolem}]$
vzniknout       R--s[i1]1(hPTc1)2O[hTc2r{z}]EJ[hTc6r{na}|hTc6r{v}]$
začínat RSIs[i1]1[hPTc1]2[hTc4]2V(hPTc7r{s})@
začínat R--s[i1]1(hPTc1)2[hTc4]2CI(hTc7)2V(hPTc7r{s})%$
začít   RSIs[i1]1[hPTc1]2[hTc4]2V(hPTc7r{s})@
začít   R--s[i1]1(hPTc1)2[hTc4]2CI(hTc7)2V(hPTc7r{s})%$
zahájit R--s[i1]1(hPTc1)2[hTc4]2AP[hTc4r{na}]%$
zahájit R--s[i1]1(hPTc1)2[hTc4]2CI(hTc7)EJ(hTc6r{na}|hTc6r{v})%$
zaplatit        R--s[i1]1(hPTc1)2[hM]2CI[hTc7]%$
zaplatit        R--s[i1]1(hPTc1)2[hTc4]2[hPc3]2ACJ(hTc4r{za})%$
zdát    RSEs[i1]1[hPTc1]2[hQc7]2IS[hPTc7]@
získat  RSIs[i1]1[hPTc1]2[hPTc4]2CI(hTc7)@
získat  R--s[i1]1(hPTc1)2EJ[hTc6r{na}]$
získat  R--s[i1]1(hPTc1)2[hPTc4]2CI(hTc7)2S(hPTc4r{za})
           AP(hTc3r{k}|hTc4r{na})%$
získat  R--s[i1]1(hPTc1)2[hPTc4]2S(hPTc4r{za})
           AP(hTc3r{k}|hTc4r{na})%$
```

```
získat  R--s[i1]1(hPTc1)2[hTc4]2E[hPTc6r{na}]O[hPc2r{od}|hTc2r{z}]
           %$
získat  R--s[i1]1(hPTc1)2[hTc4]2[hPc3|hPc4r{pro}]2E[hPTc6r{na}]
           O[hPc2r{od}|hTc2r{z}]%$
změnit  R--s[i1]1(hPTc1)2[hPTc4]2AP(hTc3r{k})%$
znamenat        RSIs[i1]1[hPTc1]2[hPTc4]2A(hTc2r{do})2EJV(hTc6r{v})@
znamenat        R--s[i1]1(hPTc1)2[hPTc4]2CI[hTc7]%$
znát    RSEs[i1]1[hPTc1]2A[hPTc3r{ke}]2V[hPTc7r{s}]@
znát    R--s[i1]1(hPTc1)2[hTc4]2E[hPTc6r{na}]%$
zůstat  R--s[i1]1(hPTc1)2AP(hTc4r{na})E[hPc2r{u}]$
zůstat  R--s[i1]1(hPTc1)2A[sI]2IS[hPTc7]
           E[hTc2r{u}|hTc6r{na}|hTc6r{při}|hTc6r{v}]
           V[hPc7r{s}|hTc2r{bez}|hTc6r{v}]%$
zůstat  R--s[i1]1(hPTc1)2[hPc3]2AH(hPTc6r{po})%$
zvýšit  RSEs[i1]1[hPTc1]2CI[hTc7]2EJV[hTc6r{v}]F[hMr{o}|hTc4r{o}]
           @
žít     R--s[i1]1(hPTc1)2[hTc4|hPTc3|hPTc4r{pro}|hTc6r{o}]
           2O[hPTc2r{z}]C[hTc7|hTc4r{za}]E[hPc2r{u}|hPTc6r{v}|hTc6r{na}]
           %$
```

E. Classification of Czech frames

E.1. Automatically processed frames

These are frames where all inner participants got only one functor. They were processed fully automatically. There are 1312 such classes and they contain 7429 frames.

We list here classes which contain at least ten verbs. The number in the first column shows the frequency of the frame in the dictionary.

```
1435 R--s[i1]1(hPTc1)2[hTc4]%$
1000 R--s[i1]1(hPTc1)2[hPTc4]%$
348 R--s[i1]1(hPTc1)2[hTc4]3[hPc3]%$
238 R--s[i1]1(hPTc1)2[hTc4]3(hPc3)%$
181 R--s[i1]1(hPTc1)$
159 R--s[i1]1(hPTc1)2[hPc4]%$
140 RSEs[i1]1[hPTc1]@
106 RSEs[i1]1[hPTc1]EJ[hTc6r{na}|hTc6r{v}]@
99 RSIs[i1]1[hPTc1]2[hTc4]@
71 R--s[i1]1(hPTc1)EJ[hTc6r{na}|hTc6r{v}]$
68 R--s[i1]1(hPTc1)2[hTc4]EJ(hTc6r{na}|hTc6r{v})%$
61 R--s[i1]1(hPTc1)2[hPc3]%$
56 R--s[i1]1(hPTc1)2[hTc4]A(hTc2r{do}|hTc4r{na})%$
55 R--s[i1]1(hPTc1)2[hPTc4]EJ(hTc6r{na}|hTc6r{v})%$
52 RSEs[i1]1[hPTc1]2[hTc2]@
51 RSEs[i1]1[hPTc1]A[hTc2r{do}|hTc4r{na}]@
50 R--s[i1]1(hPTc1)2[sD|sR|sZ]%$
48 R--s[i1]1(hPTc1)2[hPTc4]A(hTc2r{do}|hTc4r{na})%$
45 R--s[i1]1(hPTc1)2[hTc2|hTc4]%$
39 RSEs[i1]1[hPTc1]2[hPc3]@
36 R--s[i1]1(hPTc1)2[hTc2]%$
29 R--s[i1]1(hPTc1)2[sD]%$
27 RSIs[i1]1[hPTc1]2[hPTc4]@
27 R--s[i1]1(hPTc1)2[hPTc4]3(hPc3)%$
25 R--s[i1]1(hPTc1)2[hPTc3]%$
23 RSEs[i1]1[hPTc1]2[hPTc2]@
20 R--s[i1]1(hPTc1)A[hTc2r{do}|hTc4r{na}]$
20 R--s[i1]1(hPTc1)2[hPTc4]A(hTc2r{do}|hTc3r{k}|hTc4r{na})%$
```

```
19 RSEs[i1]1[hPTc1]2[hPTc3]@
19 R--s[i1]1(hPTc1)2[hTc4|hPc3]%$
18 RSEs[i1]1[hPTc1]C[hTc7|hTc2r{od}]@
18 R--s[i1]1(hPTc1)2[hPTc4]3[hPc3]%$
17 R--s[i1]1(hPTc1)AJTUY[hTc6r{po}]$
17 R--s[i1]1(hPTc1)2[hTc4]3(hPc3)EJ(hTc6r{na}|hTc6r{v})%$
17 R--s[i1]1(hPTc1)2[hPTc4]AP(hTc3r{k}|hTc4r{na})%$
16 RSIs[i1]1[hPTc1]2[hTc2|hTc4]@
16 R--s[i1]1(hPTc1)2[hPc4]A(hTc2r{do}|hTc4r{na})%$
15 RSIs[i1]1[hPTc1]2[sD|sR|sZ]@
15 RSEs[i1]1[hPTc1]A[hPTc3r{ke}|hTc2r{do}|hTc4r{na}]@
15 R--s[i1]1(hPTc1)2[hTc4]EJ[hTc6r{na}|hTc6r{v}]%$
15 R--s[i1]1(hPTc1)2[hTc4]AP(hTc3r{k}|hTc4r{na})%$
14 RSEs[i1]1[hPTc1]J[hTc6r{na}|hTc6r{po}|hTc6r{v}]@
13 R--s[i1]1(hPTc1)2[hTc2|hTc4]3[hPc3]%$
13 R--s[i1]1(hPTc1)2[hPTc4|sD|sR|sZ]%$
12 RSIs[i1]1[hPTc1]2[hTc4]EJ(hTc6r{na}|hTc6r{v})@
12 RSIs[i1]1[hPTc1]2[hPc4]@
12 RSEs[i1]1[hPTc1]E[hPc2r{u}|hTc6r{na}|hTc6r{v}]@
12 RSEs[i1]1[hPTc1]AP[hTc3r{k}|hTc4r{na}]@
12 RSEs[i1]1[hPTc1]2[sD|sR|sZ]@
12 R--s[i1]1(hPTc1)A[hPTc4r{na}|hTc2r{do}]$
12 R--s[i1]1(hPTc1)2[hTc2|hPTc4]%$
12 R--s[i1]1(hPTc1)2[hPTc2]%$
11 RSEs[i1]1[hPTc1]A[hTc2r{do}|hTc3r{k}]@
11 R--s[i1]1(hPTc1)E[hPc2r{u}|hTc6r{na}|hTc6r{v}]$
11 R--s[i1]1(hPTc1)A[hPTc3r{ke}|hTc2r{do}|hTc4r{na}]$
11 R--s[i1]1(hPTc1)2[hTc4]A(hTc2r{do}|hTc3r{k})%$
10 RSIs[i1]1[hPTc1]@
10 R--s[i1]1(hPTc1)V[hTc6r{v}|hTc7r{s}]$
10 R--s[i1]1(hPTc1)J[hTc6r{na}|hTc6r{po}]$
10 R--s[i1]1(hPTc1)2[hTc4]O(hTc2r{od}|hTc2r{z})%$
10 R--s[i1]1(hPTc1)2[hTc4]A(hTc2r{do}|hTc3r{k}|hTc4r{na})%$
10 R--s[i1]1(hPTc1)2[hPTc4]A(hTc2r{do}|hTc4r{v})%$
10 R--s[i1]1(hPTc1)2[hPTc4]A(hTc2r{do}|hTc3r{k})%$
```

E.2. Ambiguous frames

These are frames where some participants are ambiguous between an actant and a free modification. There are 2666 ambiguous classes and they contain 11200 frames.

```
685 R--s[i1]1(hPTc1)2[hPTc4]2CM(hTc7)%$
442 R--s[i1]1(hPTc1)2[hTc4]2CM(hTc7)%$
294 RSEs[i1]1[hPTc1]2CM[hTc7]@
284 R--s[i1]1(hPTc1)2[hPc4]2CM(hTc7)%$
```

```
170 R--s[i1]1(hPTc1)2CM[hTc7]%$
169 R--s[i1]1(hPTc1)2[hTc4]2O(hTc2r{z})%$
131 RSEs[i1]1[hPTc1]2EJV[hTc6r{v}]@
125 R--s[i1]1(hPTc1)2[hTc4]2EJV(hTc6r{v})%$
120 RSEs[i1]1[hPTc1]2CM[hTc7]2EJV[hTc6r{v}]@
119 R--s[i1]1(hPTc1)2[hTc4]2A(hTc2r{do})%$
98 R--s[i1]1(hPTc1)2[hTc4]2(hPc3)2CM(hTc7)%$
97 R--s[i1]1(hPTc1)2[hPTc4]2CM(hTc7)2EJV(hTc6r{v})%$
94 R--s[i1]1(hPTc1)2EJV[hTc6r{v}]$
83 R--s[i1]1(hPTc1)2[hPTc4]2EJV(hTc6r{v})%$
82 R--s[i1]1(hPTc1)2[hPTc4]2A(hTc2r{do})%$
78 RSEs[i1]1[hPTc1]2O[hTc2r{z}]@
73 R--s[i1]1(hPTc1)2[hTc4]2AP(hTc4r{na})%$
66 RSEs[i1]1[hPTc1]2A[hTc2r{do}]@
64 R--s[i1]1(hPTc1)2A[hPTc4r{na}]$
57 R--s[i1]1(hPTc1)2[hTc4]2CM[hTc7]%$
55 RSEs[i1]1[hPTc1]2V[hPTc7r{s}]@
54 R--s[i1]1(hPTc1)2[hTc4]2CM(hTc7)2EJV(hTc6r{v})%$
54 R--s[i1]1(hPTc1)2CM[hTc7]2EJV[hTc6r{v}]%$
53 R--s[i1]1(hPTc1)2[hPTc4]2O(hTc2r{z})%$
48 RSEs[i1]1[hPTc1]2CM[hTc7]EJ[hTc6r{na}|hTc6r{v}]@
47 RSEs[i1]1[hPTc1]2CM[hTc7]2O[hTc2r{z}]@
47 R--s[i1]1(hPTc1)2[hTc4]2V(hPc7r{s})%$
43 R--s[i1]1(hPTc1)2AP[hTc4r{na}]$
41 RSEs[i1]1[hPTc1]2[hPc3]2CM(hTc7)@
41 RSEs[i1]1[hPTc1]2V[hPc7r{s}]@
41 R--s[i1]1(hPTc1)2[hTc4]2(hPc3)2O(hTc2r{z})%$
38 R--s[i1]1(hPTc1)2[hPTc4]2AP(hTc4r{na})%$
38 R--s[i1]1(hPTc1)2[hPc3]2EJV(hTc6r{v})%$
37 R--s[i1]1(hPTc1)2[hPc3]2CM(hTc7)%$
35 RSEs[i1]1[hPTc1]2AP[hTc4r{na}]@
35 R--s[i1]1(hPTc1)2[hTc4]2AP(hTc3r{k})%$
35 R--s[i1]1(hPTc1)2[hPTc4]2O[hTc2r{z}]%$
34 R--s[i1]1(hPTc1)2[hTc4]2(hPc3)2EJV(hTc6r{v})%$
33 R--s[i1]1(hPTc1)2[hTc4]2AP[hTc4r{na}]%$
33 R--s[i1]1(hPTc1)2[hTc4]2A(hTc2r{do})2O(hTc2r{z})%$
33 R--s[i1]1(hPTc1)2[hTc4]2(hPc3)2A(hTc2r{do})%$
33 R--s[i1]1(hPTc1)2[hPTc4]2CM[hTc7]%$
32 R--s[i1]1(hPTc1)2[hPTc4]2CM(hTc7)2AP(hTc4r{na})%$
32 R--s[i1]1(hPTc1)2[hPc4]2A(hTc2r{do})%$
32 R--s[i1]1(hPTc1)2CM[hTc7]2O[hTc2r{z}]%$
32 R--s[i1]1(hPTc1)2A[hTc2r{do}]$
31 RSEs[i1]1[hPTc1]2A[hTc2r{do}]2EJV[hTc6r{v}]@
31 RSEs[i1]1[hPTc1]2A[hPTc4r{na}]@
31 R--s[i1]1(hPTc1)2[hTc4]2CM(hTc7)2A(hTc2r{do})%$
31 R--s[i1]1(hPTc1)2O[hTc2r{z}]$
```

```
30 R--s[i1]1(hPTc1)2[hTc4]2[hPc3]2CM(hTc7)%$
30 R--s[i1]1(hPTc1)2[hPTc4]2CM(hTc7)2A(hTc2r{do})%$
30 R--s[i1]1(hPTc1)2[hPc4]2O(hTc2r{z})%$
29 R--s[i1]1(hPTc1)2[hTc4]2EJ(hTc6r{na})%$
29 R--s[i1]1(hPTc1)2[hTc4]2A(hTc2r{do})2EJV(hTc6r{v})%$
28 RSIs[i1]1[hPTc1]2[hTc4]2CM(hTc7)@
28 R--s[i1]1(hPTc1)2[hTc4]2B(hPc4r{na})%$
28 R--s[i1]1(hPTc1)2[hTc4]2A[hTc2r{do}]%$
28 R--s[i1]1(hPTc1)2[hPTc4]2AP(hTc3r{k})%$
27 R--s[i1]1(hPTc1)2[hTc4]2[hPc3]2O(hTc2r{z})%$
27 R--s[i1]1(hPTc1)2V[hPTc7r{s}]$
27 R--s[i1]1(hPTc1)2V[hPc7r{s}]2JY(hTc6r{o})$
26 R--s[i1]1(hPTc1)2[hTc4]2(hPc3)2AP(hTc4r{na})%$
26 R--s[i1]1(hPTc1)2B[hPc4r{na}]$
24 R--s[i1]1(hPTc1)2[hTc4]2O[hTc2r{z}]%$
24 R--s[i1]1(hPTc1)2[hPTc4]2O(hTc2r{z})A(hTc2r{do}|hTc4r{na})%$
24 R--s[i1]1(hPTc1)2V[hPc7r{s}]$
24 R--s[i1]1(hPTc1)2MS[hPTc7]%$
23 R--s[i1]1(hPTc1)2AP[hTc3r{k}]$
22 RSEs[i1]1[hPTc1]2[hPc3]2EJV(hTc6r{v})@
22 R--s[i1]1(hPTc1)2[hPc4]2AP(hTc3r{k})%$
21 R--s[i1]1(hPTc1)2[hTc4]2A[hPTc4r{na}]%$
21 R--s[i1]1(hPTc1)2[hPTc4]2A[hTc2r{do}]%$
21 R--s[i1]1(hPTc1)2[hPc4]2EJV(hTc6r{v})%$
21 R--s[i1]1(hPTc1)2[hPc3]2AP(hTc4r{na})%$
20 RSEs[i1]1[hPTc1]2O[hTc2r{z}]A[hTc2r{do}|hTc4r{na}]@
20 RSEs[i1]1[hPTc1]2CM[hTc7]2EJ[hTc6r{na}]@
20 RSEs[i1]1[hPTc1]2AP[hTc3r{k}]@
20 R--s[i1]1(hPTc1)2[hTc4]2O(hTc2r{z})2EJV(hTc6r{v})%$
20 R--s[i1]1(hPTc1)2[hTc4]2O(hTc2r{z})2EJ(hTc6r{na})%$
20 R--s[i1]1(hPTc1)2[hTc4]2EJV[hTc6r{v}]%$
20 R--s[i1]1(hPTc1)2[hTc4]2A(hPTc4r{na})%$
20 R--s[i1]1(hPTc1)2[hPTc4]2CM(hTc7)2O(hTc2r{z})%$
19 RSEs[i1]1[hPTc1]2CM[hTc7]2A[hTc2r{do}]@
19 R--s[i1]1(hPTc1)2[hTc4]2[hPc3]2A(hTc2r{do})%$
19 R--s[i1]1(hPTc1)2[hTc4]2O[hPTc2r{z}]%$
19 R--s[i1]1(hPTc1)2[hPTc4]2A(hTc2r{do})2O(hTc2r{z})%$
19 R--s[i1]1(hPTc1)2[hPc4]2CM[hTc7]%$
19 R--s[i1]1(hPTc1)2MV[hTc7r{s}]$
18 R--s[i1]1(hPTc1)2[hPTc4]2CM(hTc7)EJ(hTc6r{na}|hTc6r{v})%$
18 R--s[i1]1(hPTc1)2[hPc3]2A(hTc2r{do})%$
18 R--s[i1]1(hPTc1)2CM[hTc7]2EJV(hTc6r{v})%$
17 RSEs[i1]1[hPTc1]2EJ[hTc6r{na}]@
17 RSEs[i1]1[hPTc1]2A[hTc2r{do}]2O[hTc2r{z}]@
17 RSEs[i1]1[hPTc1]2A[hPTc3r{ke}]@
17 R--s[i1]1(hPTc1)2[hTc4]2CM(hTc7)2O(hTc2r{z})%$
```

```
17 R--s[i1]1(hPTc1)2[hTc4]2CDOZ(hTc2r{od})%$
17 R--s[i1]1(hPTc1)2[hPTc4]2V[hPTc7r{s}]%$
17 R--s[i1]1(hPTc1)2EJ[hTc6r{na}]$
17 R--s[i1]1(hPTc1)2CM[hTc7]EJ[hTc6r{na}|hTc6r{v}]%$
16 RSEs[i1]1[hPTc1]2O[hTc2r{z}]2AP[hTc4r{na}]@
16 R--s[i1]1(hPTc1)2[hTc4]2[hPc3]2A[hTc2r{do}]%$
16 R--s[i1]1(hPTc1)2[hTc4]2O(hTc2r{z})A(hTc2r{do}|hTc4r{na})%$
16 R--s[i1]1(hPTc1)2[hTc4]2CM(hTc7)2AP(hTc4r{na})%$
16 R--s[i1]1(hPTc1)2[hPTc4]2A(hTc2r{do})2EJV(hTc6r{v})%$
16 R--s[i1]1(hPTc1)2CM[hTc7]2AP(hTc4r{na})%$
15 RSEs[i1]1[hPTc1]2[hPc3]2O[hTc2r{z}]@
15 RSEs[i1]1[hPTc1]2CM[hTc7]2A(hTc2r{do})@
15 R--s[i1]1(hPTc1)2[hTc4]2O(hPTc2r{z})%$
15 R--s[i1]1(hPTc1)2[hPTc3]2CM(hTc7)%$
15 R--s[i1]1(hPTc1)2[hPc4]2ACJ(hTc4r{za})%$
15 R--s[i1]1(hPTc1)2CM[hTc7]2A(hTc2r{do})%$
15 R--s[i1]1(hPTc1)2A[hTc2r{do}]2O[hTc2r{z}]$
14 RSIs[i1]1[hPTc1]2[hTc4]2EJV(hTc6r{v})@
14 R--s[i1]1(hPTc1)2[hTc4]2[hPc3]2O[hTc2r{z}]%$
14 R--s[i1]1(hPTc1)2[hTc4]2CM(hTc7)2EJ(hTc6r{na})%$
14 R--s[i1]1(hPTc1)2[hPTc4]2MS(hPTc7)%$
14 R--s[i1]1(hPTc1)2[hPc3]2O(hTc2r{z})%$
14 R--s[i1]1(hPTc1)2CM[hTc7]2AP[hTc4r{na}]%$
13 RSEs[i1]1[hPTc1]2[hPc3]2CM[hTc7]@
13 RSEs[i1]1[hPTc1]2A[hPTc2r{do}]@
13 R--s[i1]1(hPTc1)2[hPTc4]2CDOZ(hTc2r{od})%$
13 R--s[i1]1(hPTc1)2[hPTc4]2ACJ(hTc4r{za})%$
13 R--s[i1]1(hPTc1)2[hPTc3]2EJV(hTc6r{v})%$
13 R--s[i1]1(hPTc1)2[hPc4]2A[hTc2r{do}]%$
13 R--s[i1]1(hPTc1)2CM[hTc7]2B(hPc4r{na})%$
13 R--s[i1]1(hPTc1)2A[hPTc2r{do}]$
13 R--s[i1]1(hPTc1)2AI[sI]%$
12 RSEs[i1]1[hPTc1]2[hPTc3]2CM(hTc7)2EJV(hTc6r{v})@
12 RSEs[i1]1[hPTc1]2[hPc3]2O(hTc2r{z})@
12 RSEs[i1]1[hPTc1]2O[hTc2r{z}]2EJV[hTc6r{v}]@
12 RSEs[i1]1[hPTc1]2O[hPTc2r{od}]@
12 RSEs[i1]1[hPTc1]2MV[hTc7r{s}]@
12 R--s[i1]1(hPTc1)2[hTc4]2MV[hTc7r{s}]%$
12 R--s[i1]1(hPTc1)2[hPTc4]2V(hPTc7r{s})%$
12 R--s[i1]1(hPTc1)2[hPTc3]2CM(hTc7)2EJV(hTc6r{v})%$
12 R--s[i1]1(hPTc1)2[hPc4]2O[hTc2r{z}]%$
12 R--s[i1]1(hPTc1)2[hPc4]2CM(hTc7)2AP(hTc3r{k})%$
12 R--s[i1]1(hPTc1)2[hPc4]2AF(hTc4r{o})%$
12 R--s[i1]1(hPTc1)2[hPc3]2EJ(hTc6r{na})%$
12 R--s[i1]1(hPTc1)2O[hTc2r{z}]2EJV[hTc6r{v}]$
12 R--s[i1]1(hPTc1)2AH[hPTc6r{po}]$
```

```
11 RSIs[i1]1[hPTc1]2V[hPc7r{s}]2JY(hTc6r{o})@
11 R--s[i1]1(hPTc1)2[hTc4]2MV(hTc7r{s})%$
11 R--s[i1]1(hPTc1)2[hTc4]2(hPc3)2EJ(hTc6r{na})%$
11 R--s[i1]1(hPTc1)2[hTc4]2(hPc3)2CM(hTc7)2EJV(hTc6r{v})%$
11 R--s[i1]1(hPTc1)2[hPc4]2V(hPc7r{s})%$
11 R--s[i1]1(hPTc1)2[hPc4]2CM(hTc7)2EJV(hTc6r{v})%$
11 R--s[i1]1(hPTc1)2[hPc4]2AP[hTc3r{k}]%$
11 R--s[i1]1(hPTc1)2[hPc3]2EJV[hTc6r{v}]%$
11 R--s[i1]1(hPTc1)2[hPc3]2A[hTc2r{do}]%$
11 R--s[i1]1(hPTc1)2O[hTc2r{z}]2AP[hTc4r{na}]$
11 R--s[i1]1(hPTc1)2CM[hTc7]2B[hPc4r{na}]%$
10 RSIs[i1]1[hPTc1]2[hTc4]2O(hTc2r{z})@
10 RSIs[i1]1[hPTc1]2A[hPTc4r{na}]@
10 RSEs[i1]1[hPTc1]2[hPTc3]2EJV(hTc6r{v})@
10 RSEs[i1]1[hPTc1]2V[hPTc7r{s}]EJ(hTc6r{na}|hTc6r{v})@
10 RSEs[i1]1[hPTc1]2V[hPTc7r{s}]2EJV(hTc6r{v})@
10 RSEs[i1]1[hPTc1]2CM[hTc7]2AP[hTc4r{na}]@
10 RSEs[i1]1[hPTc1]2AP[hTc4r{na}]2EJV[hTc6r{v}]@
10 R--s[i1]1(hPTc1)2[hTc4]2O(hPc2r{od})%$
10 R--s[i1]1(hPTc1)2[hTc4]2JY(hTc6r{o})%$
10 R--s[i1]1(hPTc1)2[hTc4]2EJ(hTc6r{na})2EJV(hTc6r{v})%$
10 R--s[i1]1(hPTc1)2[hTc4]2E(hPTc6r{v})%$
10 R--s[i1]1(hPTc1)2[hTc4]2E(hPc7r{před})%$
10 R--s[i1]1(hPTc1)2[hTc4]2B[hPc4r{na}]%$
10 R--s[i1]1(hPTc1)2[hTc4]2A[hPTc2r{do}]%$
10 R--s[i1]1(hPTc1)2[hPTc4]2O(hTc2r{z})2EJV(hTc6r{v})%$
10 R--s[i1]1(hPTc1)2[hPTc4]2O(hPTc2r{od})%$
10 R--s[i1]1(hPTc1)2[hPc3]2AP(hTc3r{k})%$
10 R--s[i1]1(hPTc1)2MS[hPTc7]2V[hPTc7r{s}]%$
10 R--s[i1]1(hPTc1)2AF[hTc4r{o}]$
```