

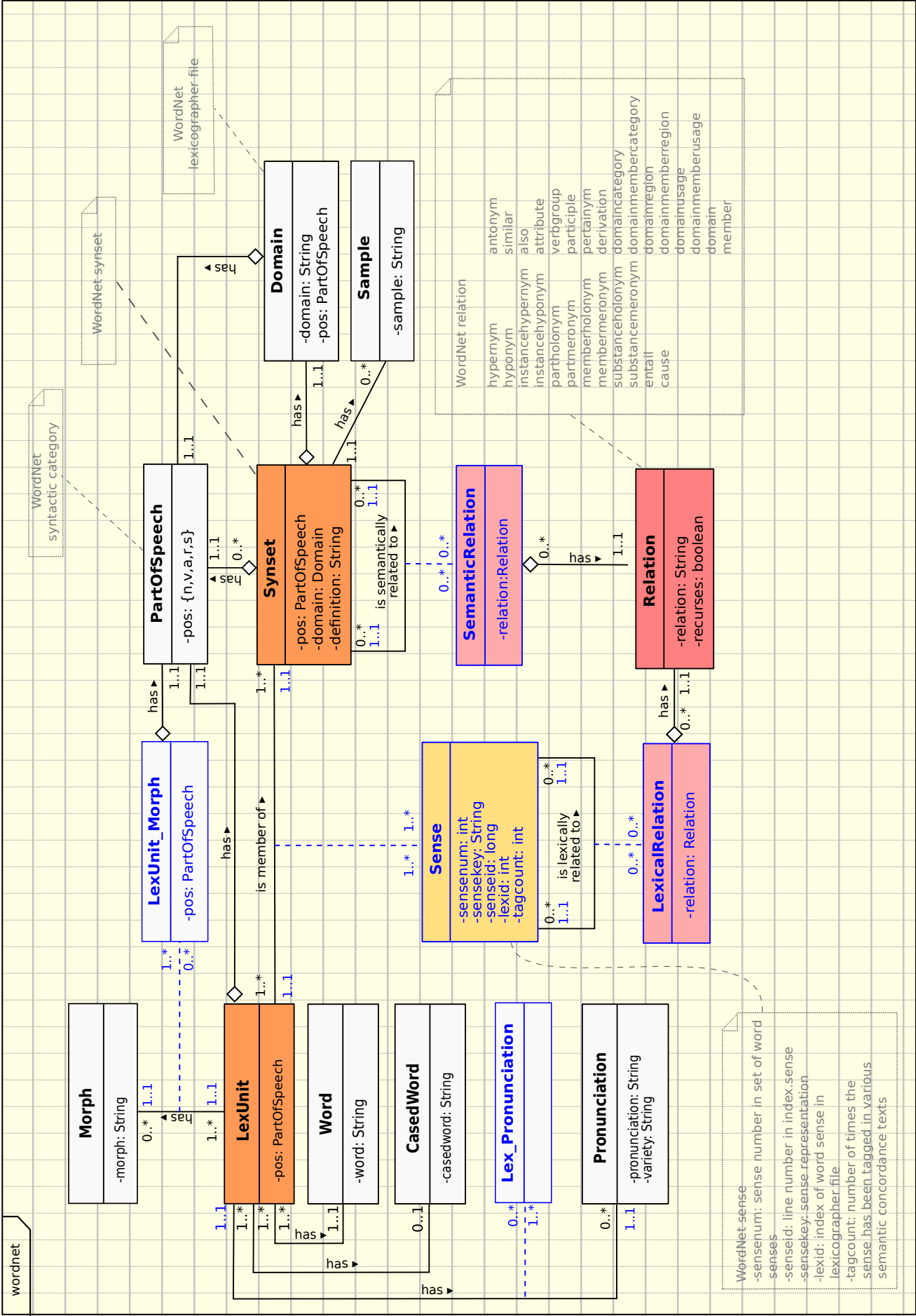


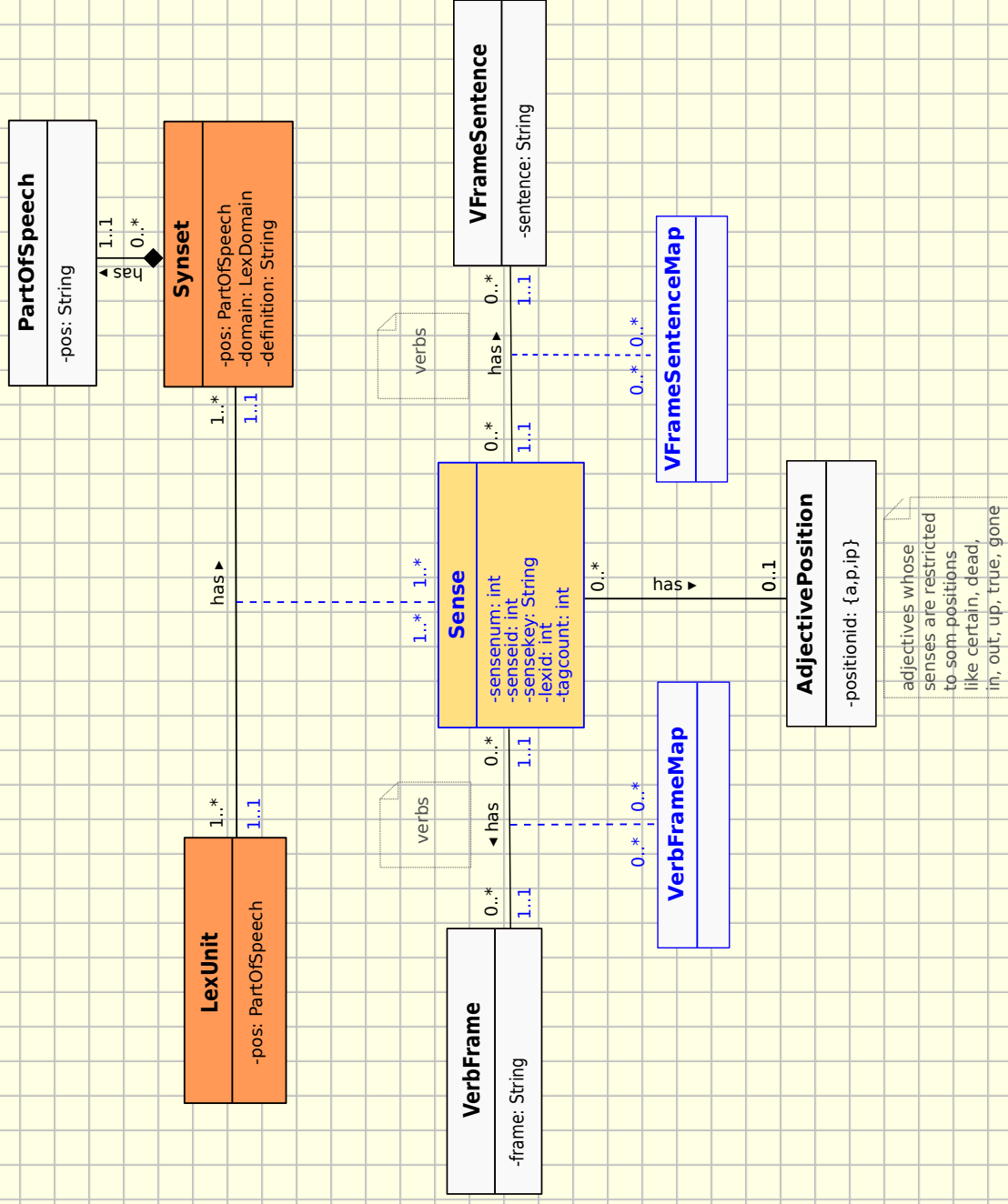
SQL-UNET DESIGN

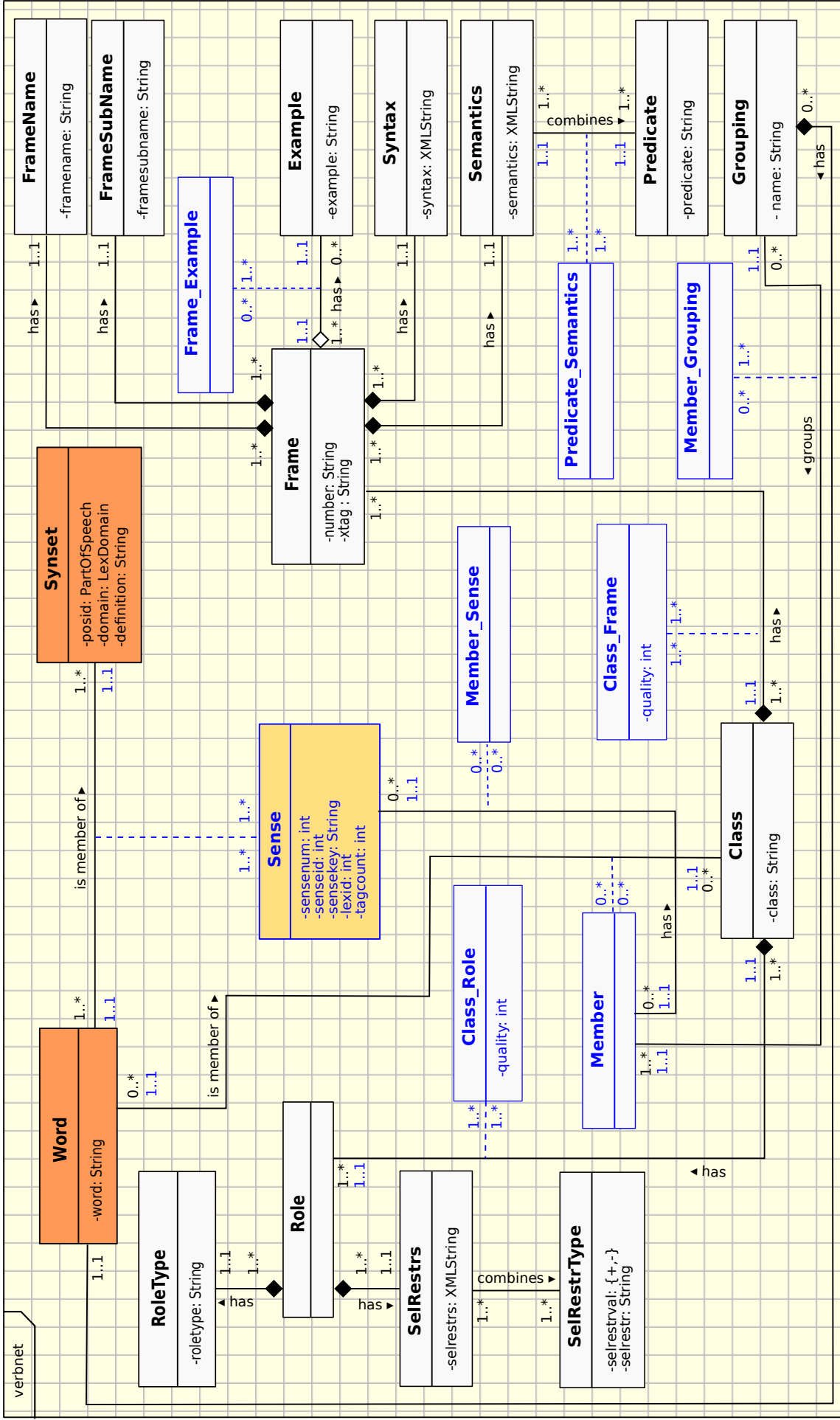
sqlunet 2.0
version 6.0.0
September 2022

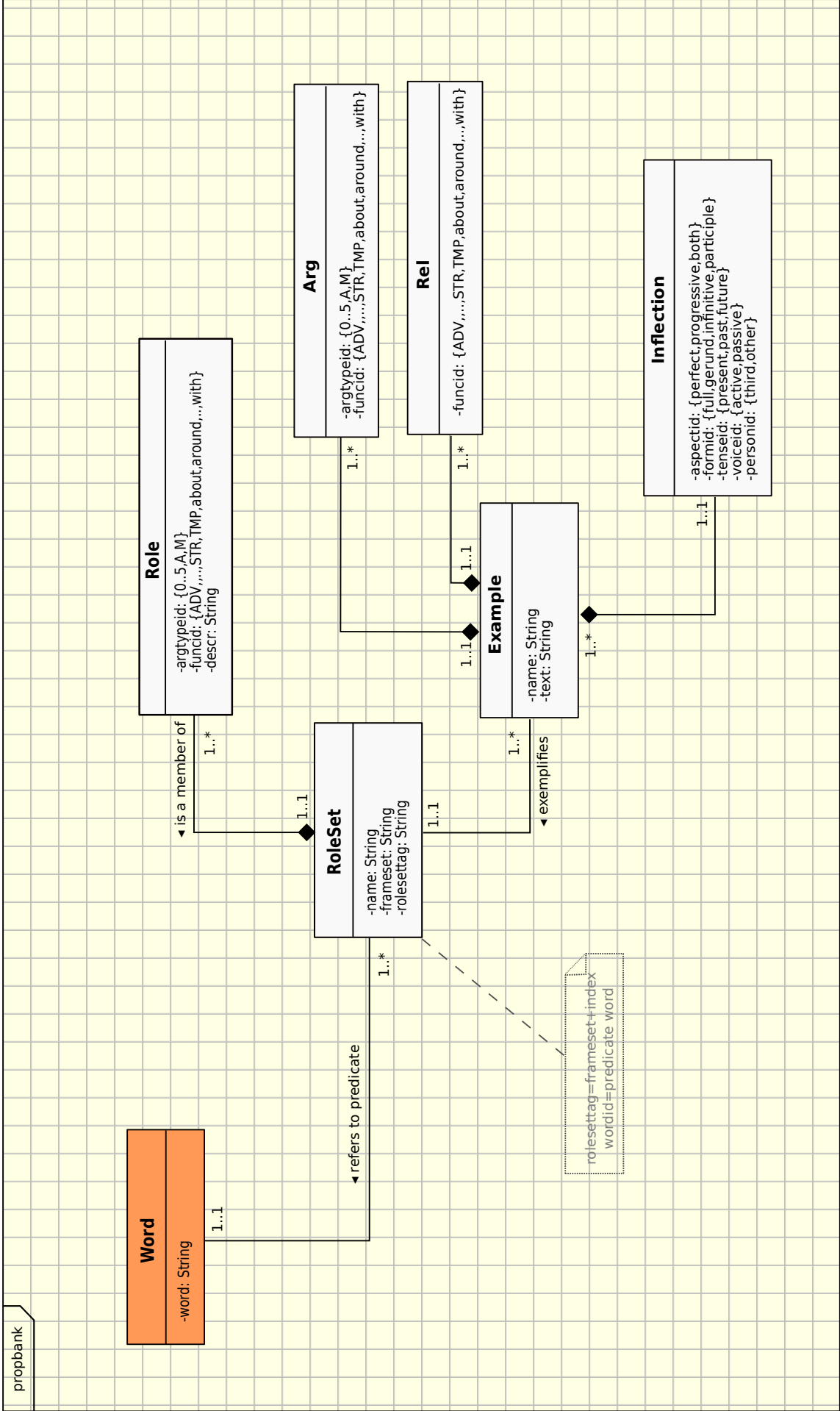
Bernard Bou
<sqlunet@gmail.com>

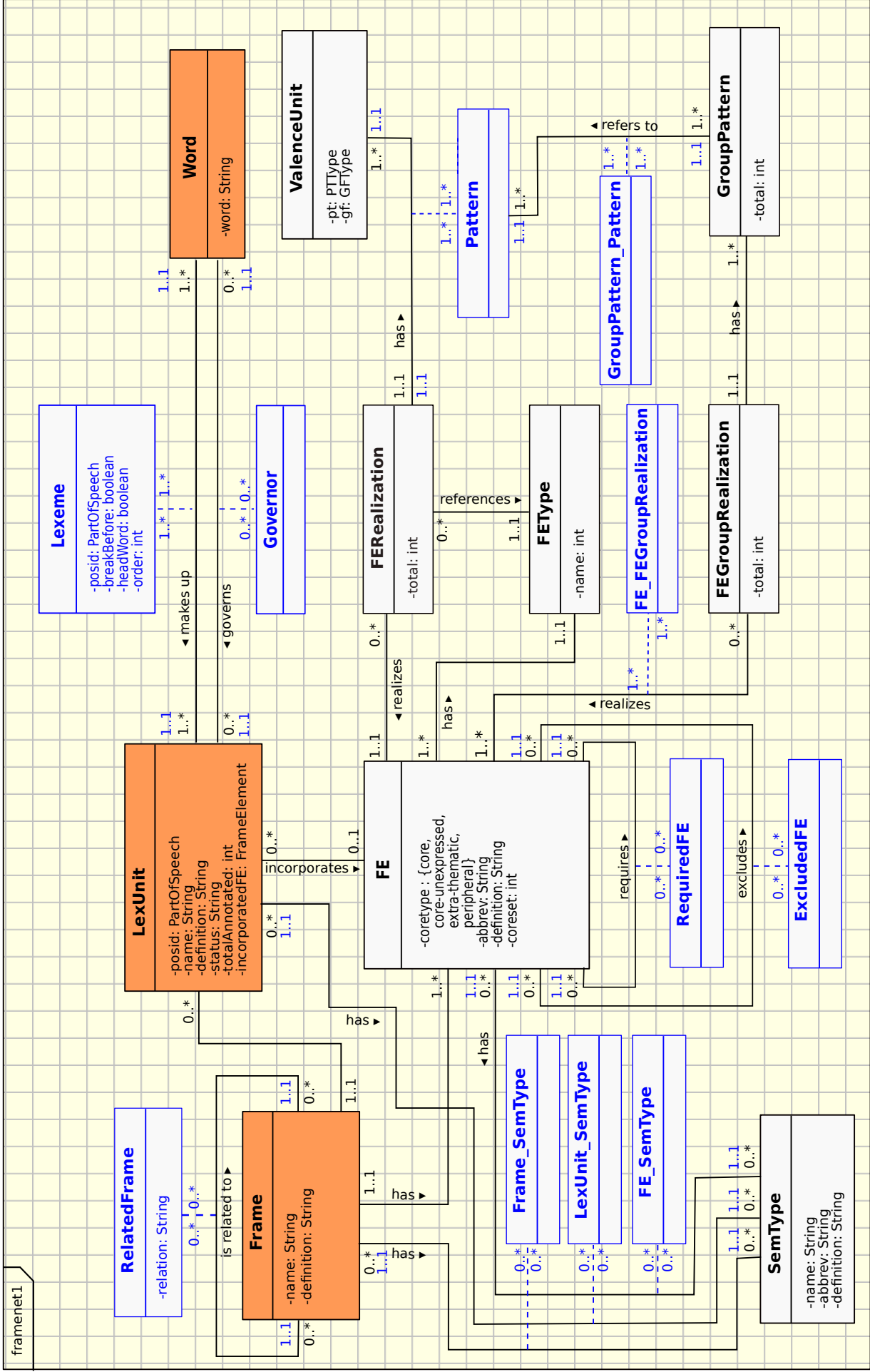
UML

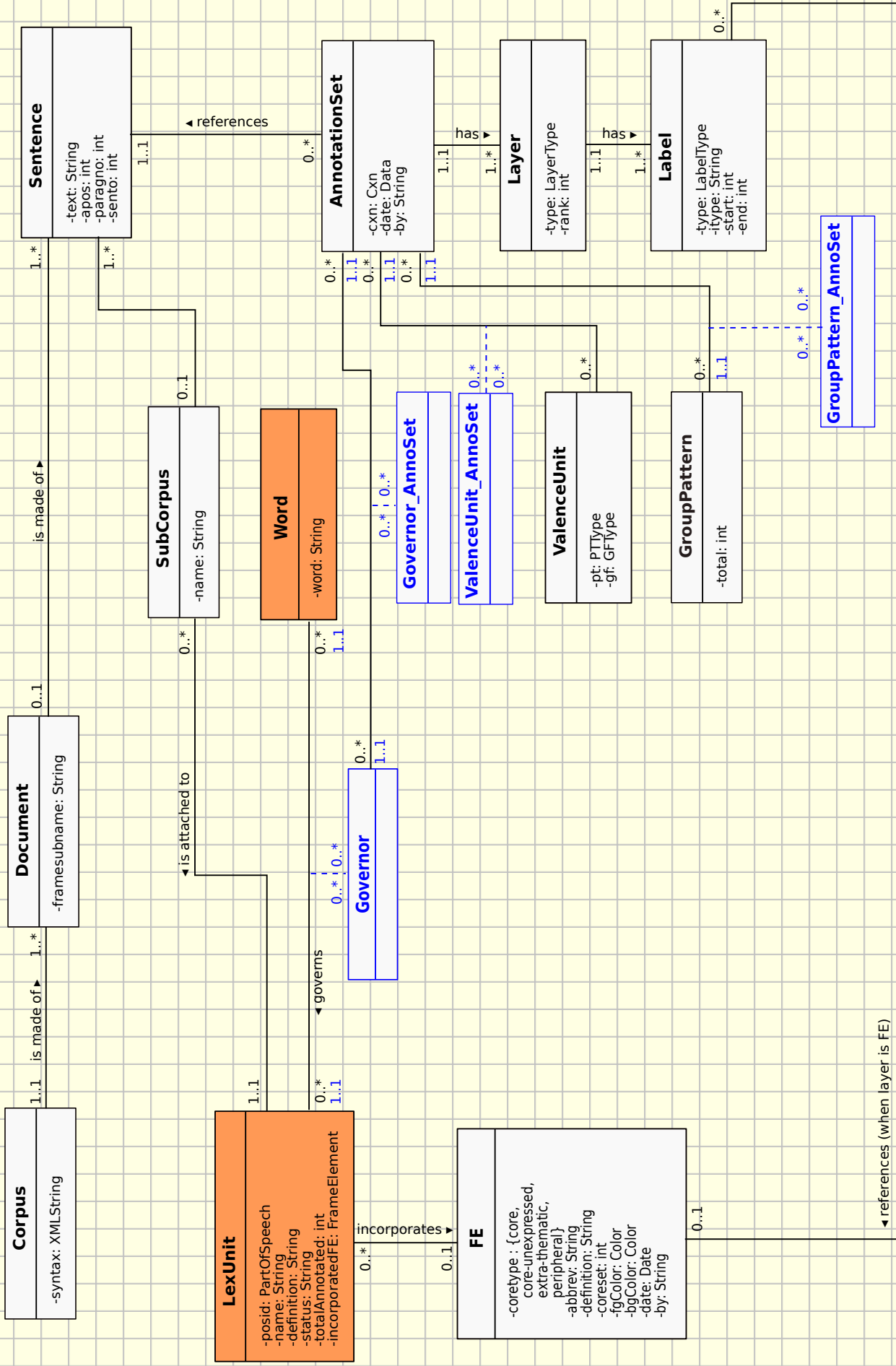


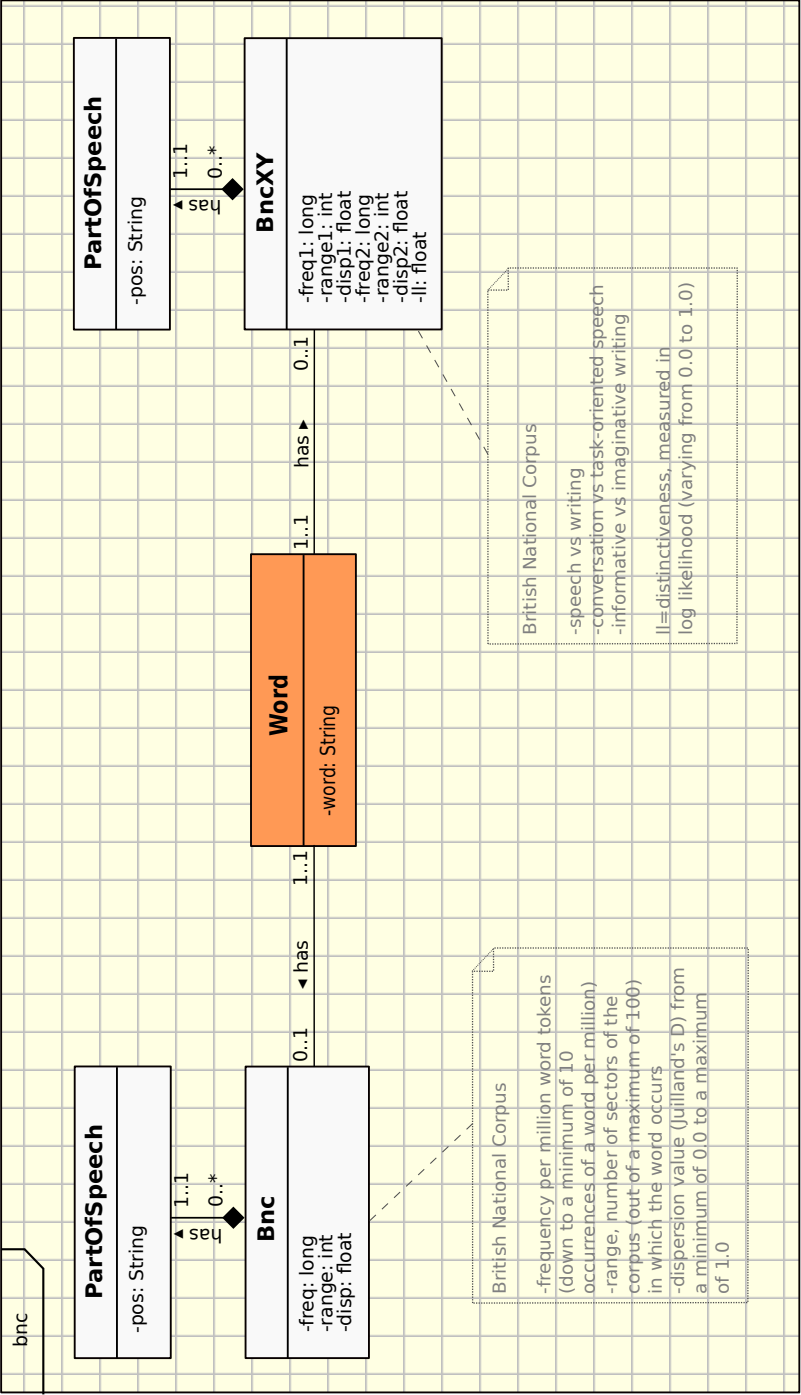


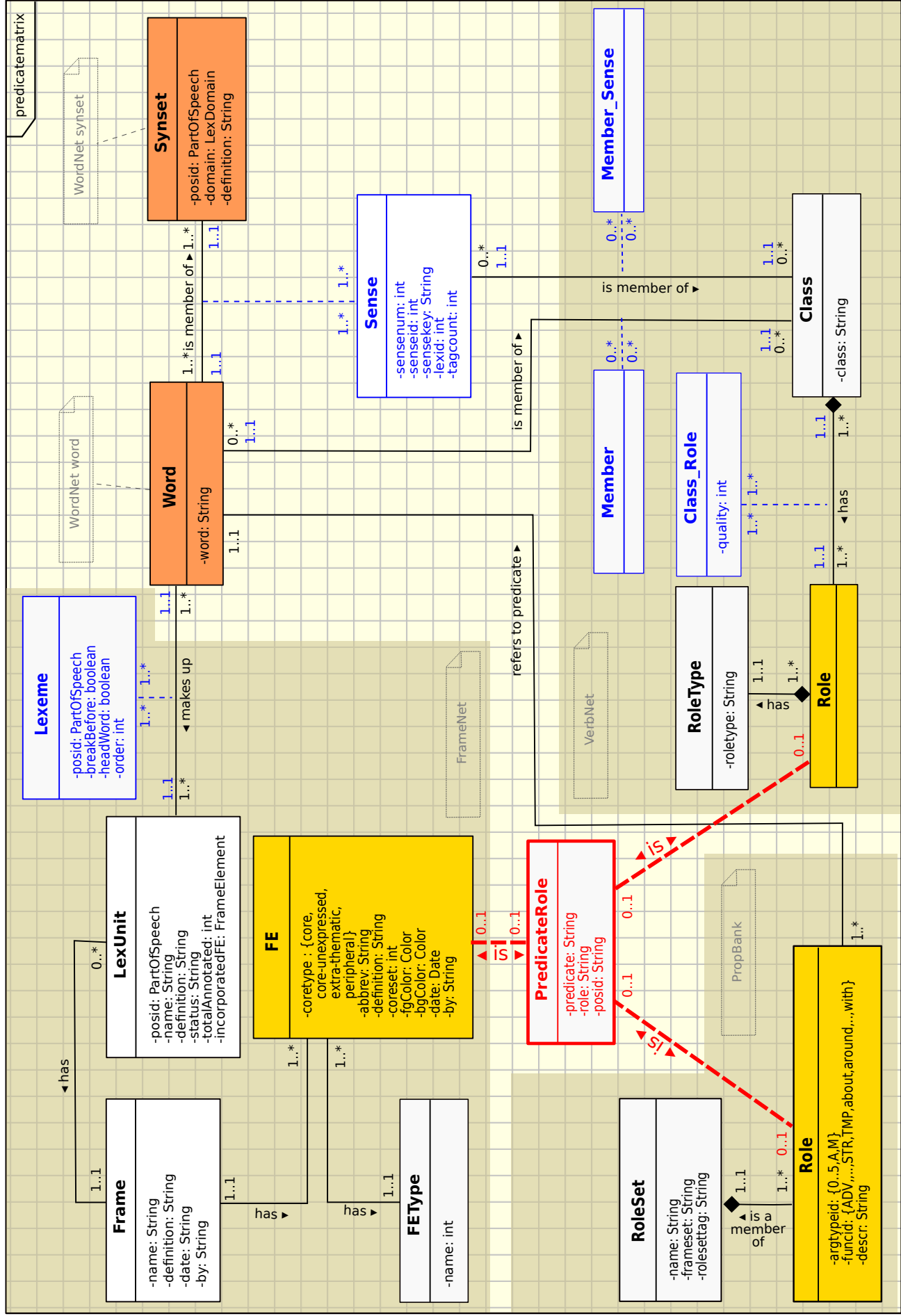




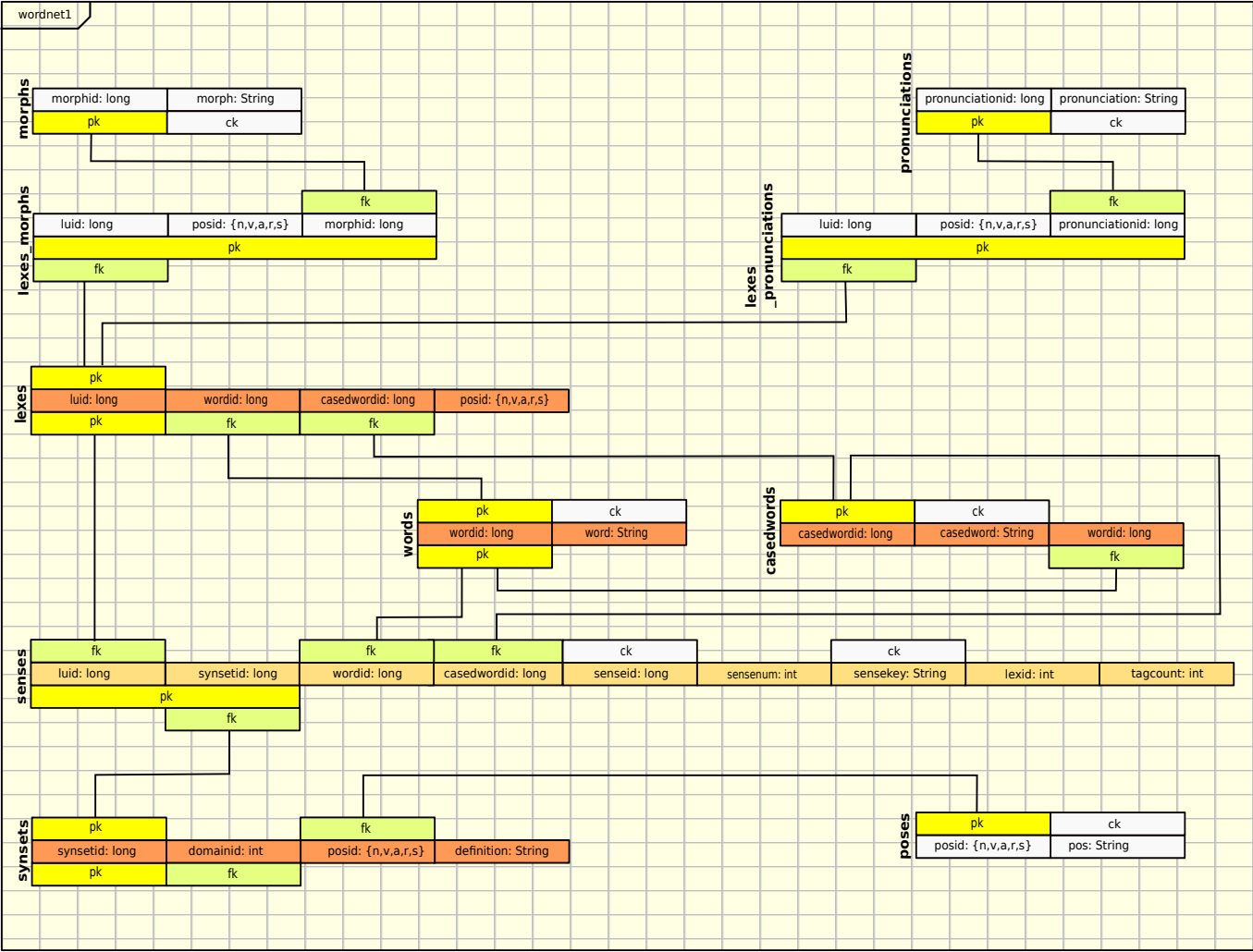




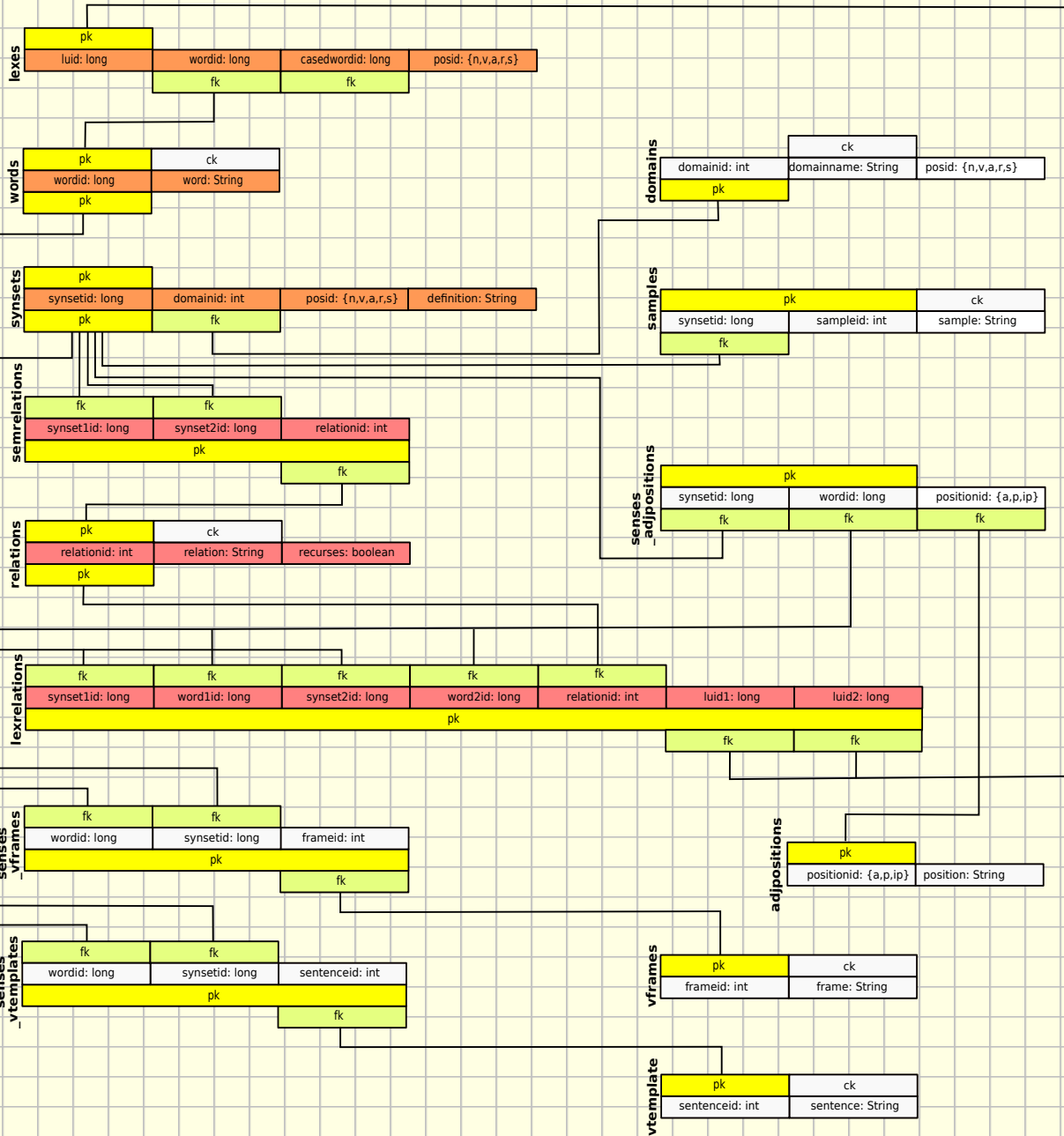


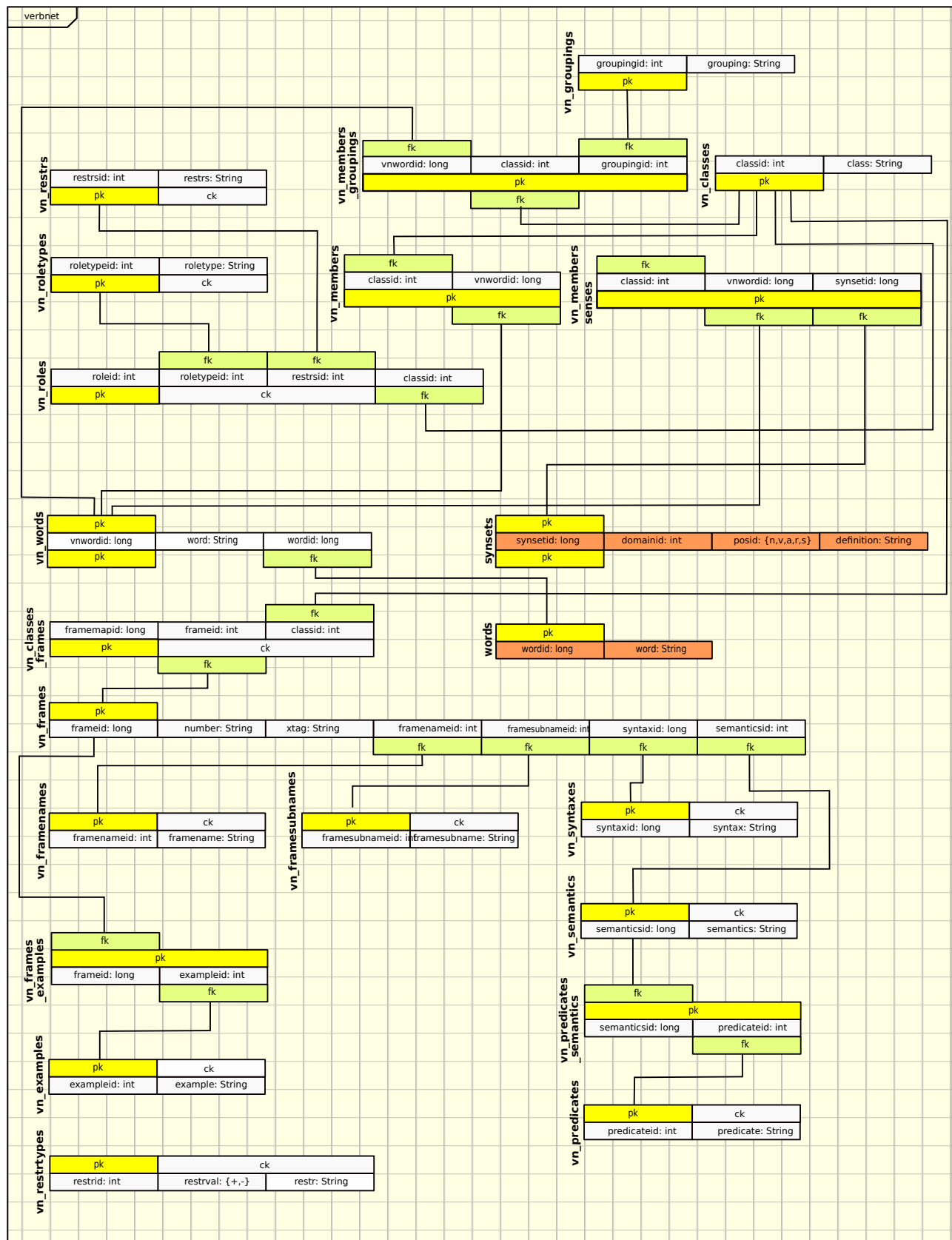


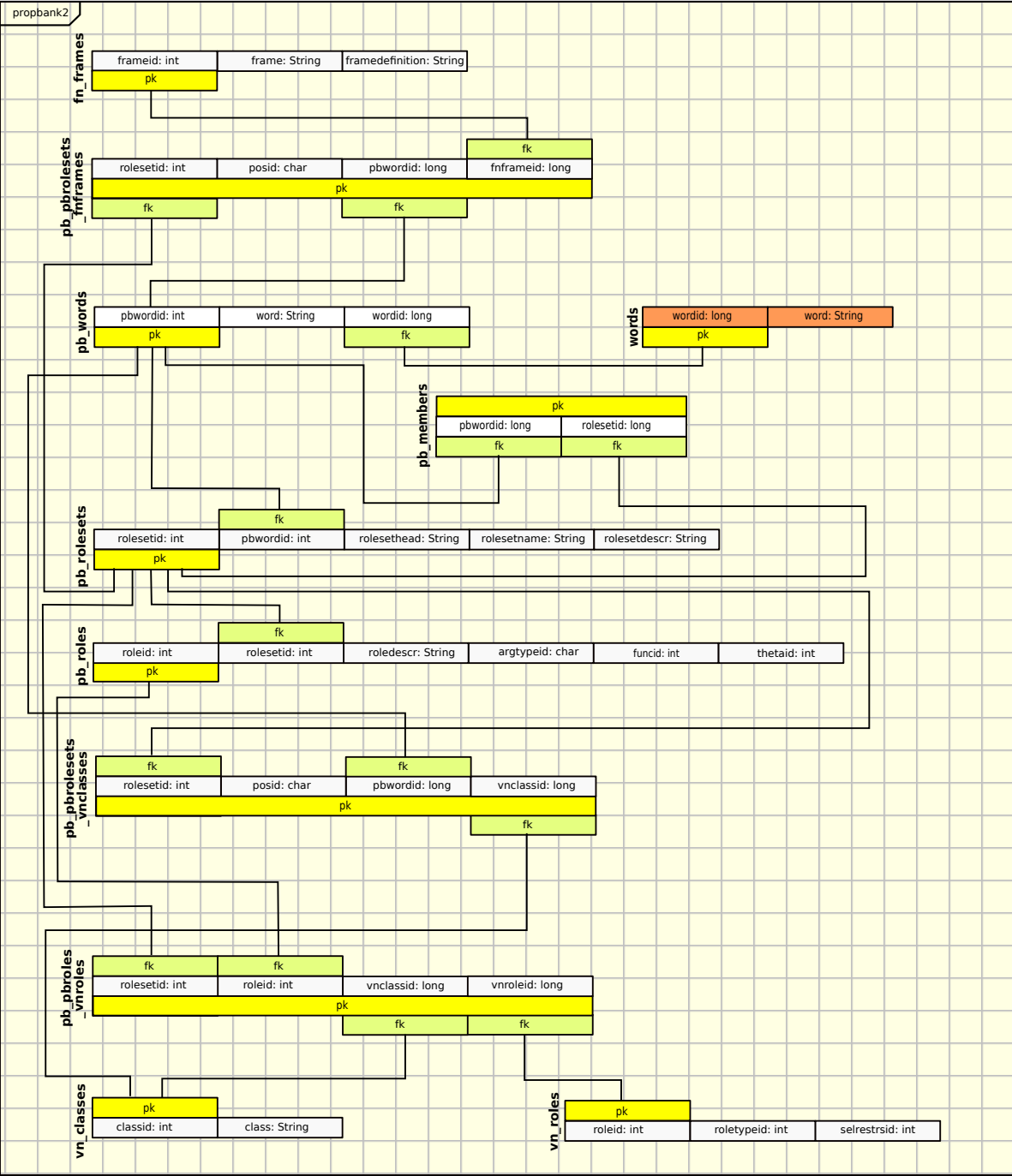
SCHEMAS

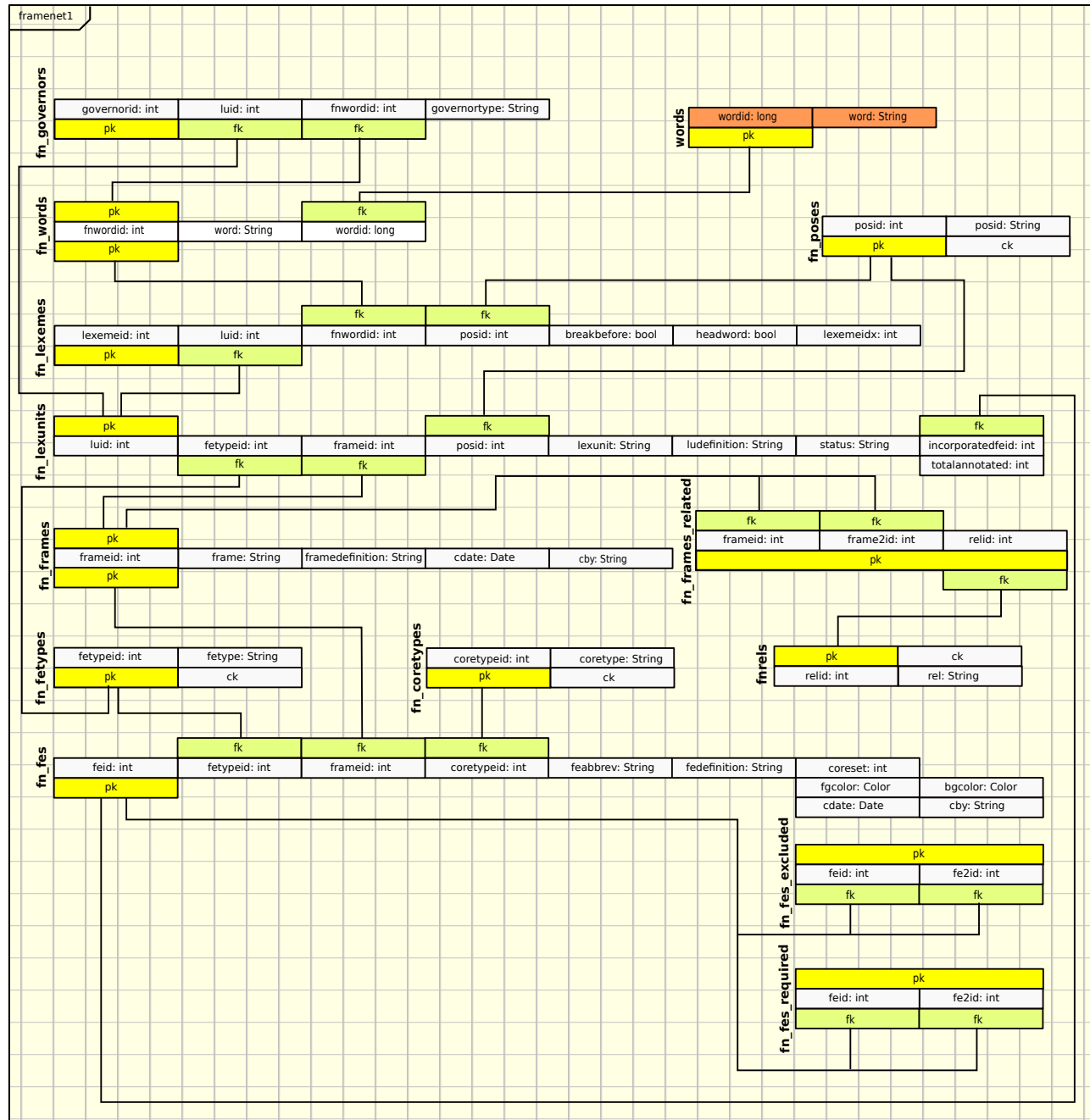


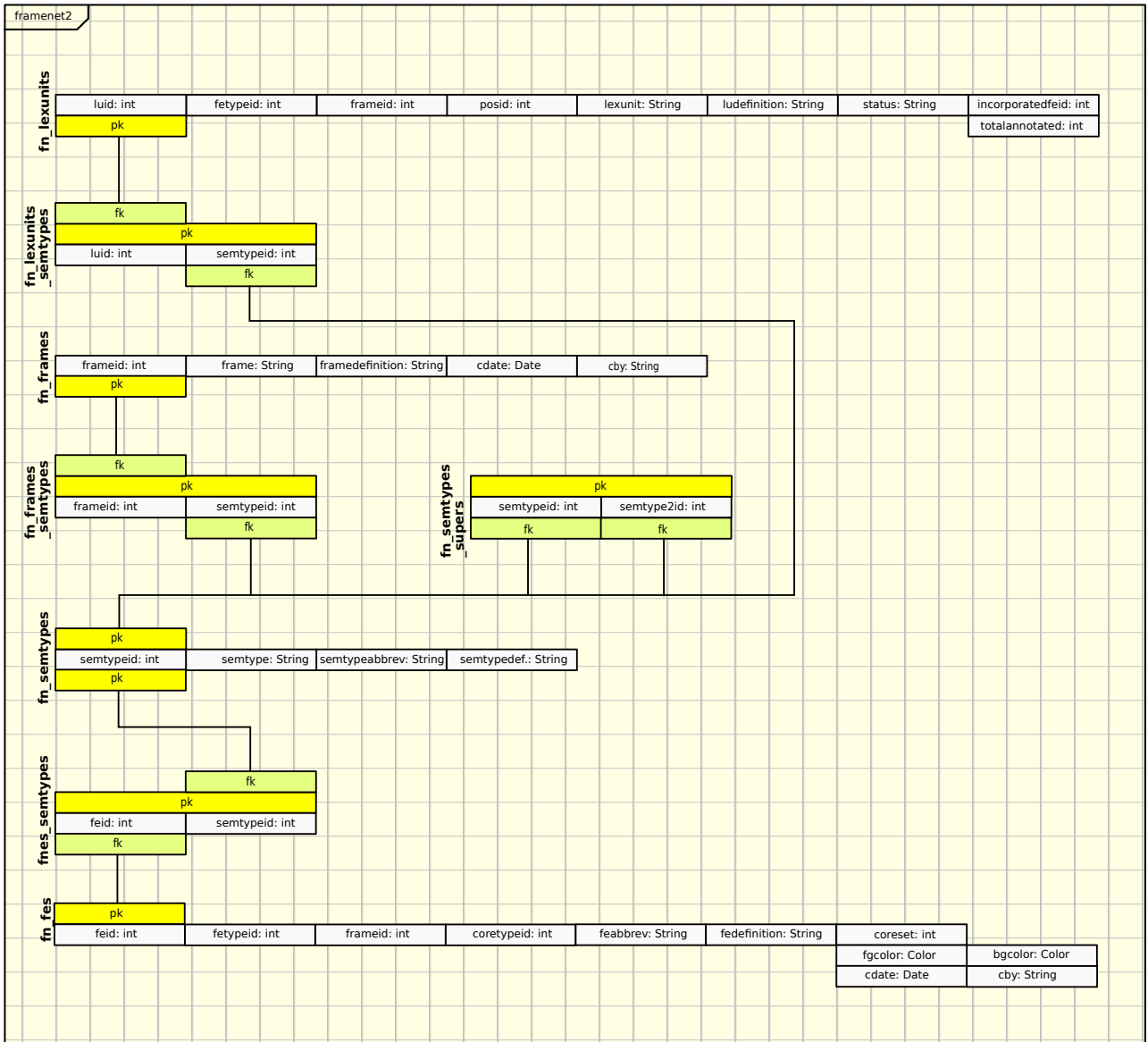
wordnet2

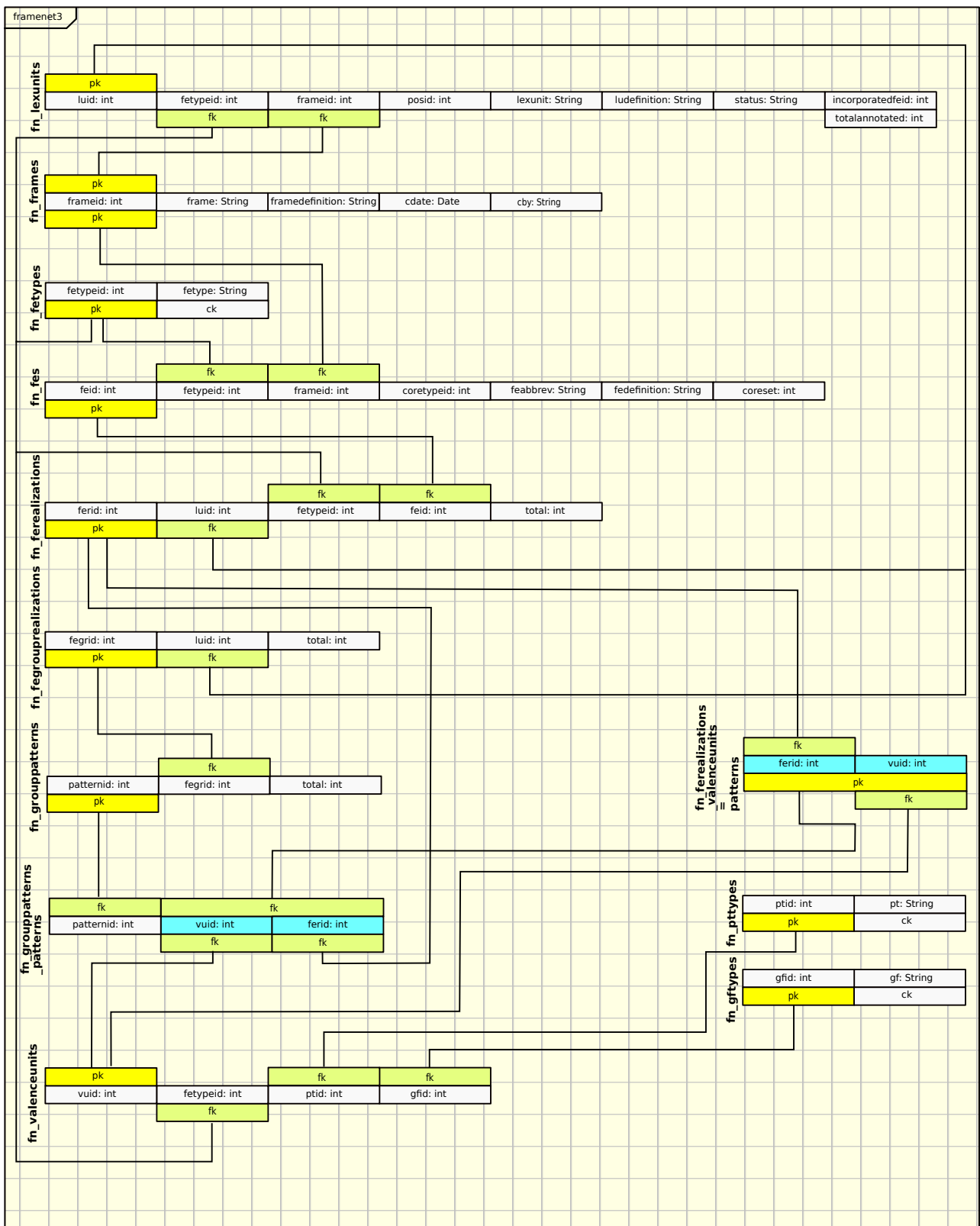












fn_frames

frameid: int	frame: String	framedefinition: String	cdate: Date	cby: String
pk				

fn_lexunits

luid: int	fetypeid: int	frameid: int	posid: int	lexunit: String	ludéfinition: String	status: String	incorporatedfeid: int	totalannotated: int
pk		fk						

fn_governors

pk				
governorid: int	luid: int	wordid: long	governortype: String	
	fk			

fn_governors
_annosets

fk	pk
governorid: int	annosetid: int
	fk

fn_grouppatterns

pk		
patternid: int	fegrid: int	total: int

fn_grouppatterns
_annosets

fk	pk
patternid: int	annosetid: int
	fk

fn_valenceunits

pk			
vuid: int	ferid: int	ptid: int	gfid: int

fn_valenceunits
_annosets

fk	pk
vuid: int	annosetid: int
	fk

fn_subcorpus

subcorpusid: int	luid: int	subcorpus: String
pk	fk	

fn_subcorpus
sentences

fk	pk
subcorpusid: int	sentenceid: int
	fk

fn_documents

documentid: int	corpusid: int	documentdescr: String
pk	fk	

fn_corpuses

corpusid: int	corpus: String
pk	ck

fn_sentences

pk	fk	fk				
sentenceid: int	documentid: int	corpusid: int	paragno: int	sentno: int	text: String	apos: int
pk						

fn_annosets

annosetid: int	frameid: int	luid: int	cxnid: int	sentenceid: int	status: String	cdate: Date
pk			fk			

fn_layers

layerid: int	annosetid: int	layertypeid: int	rank: int
pk	fk	fk	

fn_cxns

pk	ck
cxnid: int	cxn: String

fn_labeltypes

labeltypeid: int	labeltype: String
pk	ck

fn_labeltypes

labeltypeid: int	labeltype: String
pk	ck

fn_labeltypes

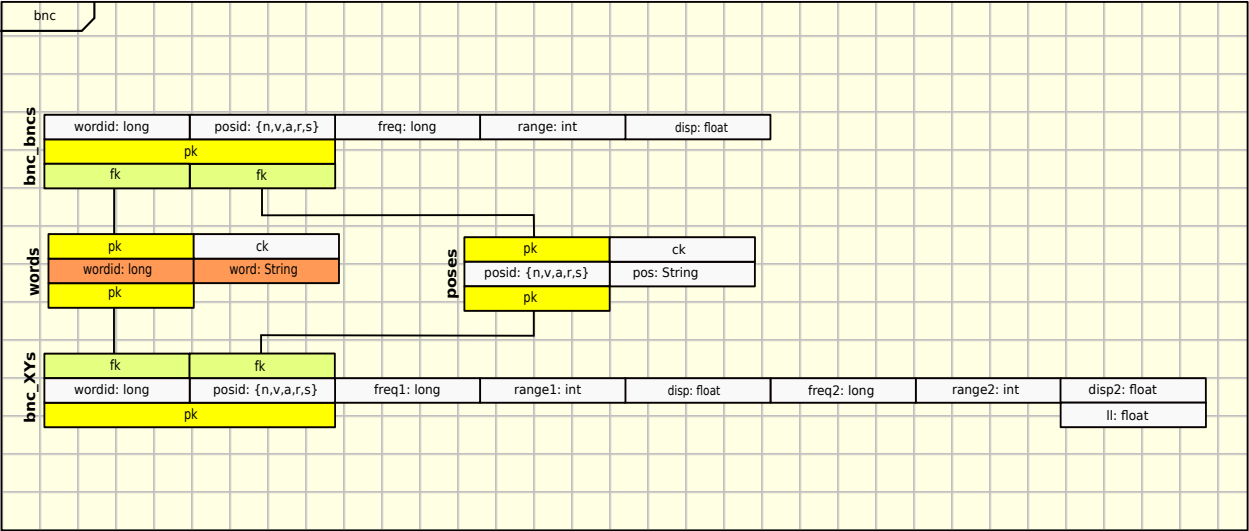
pk	ck
layertypeid: int	layertype: String

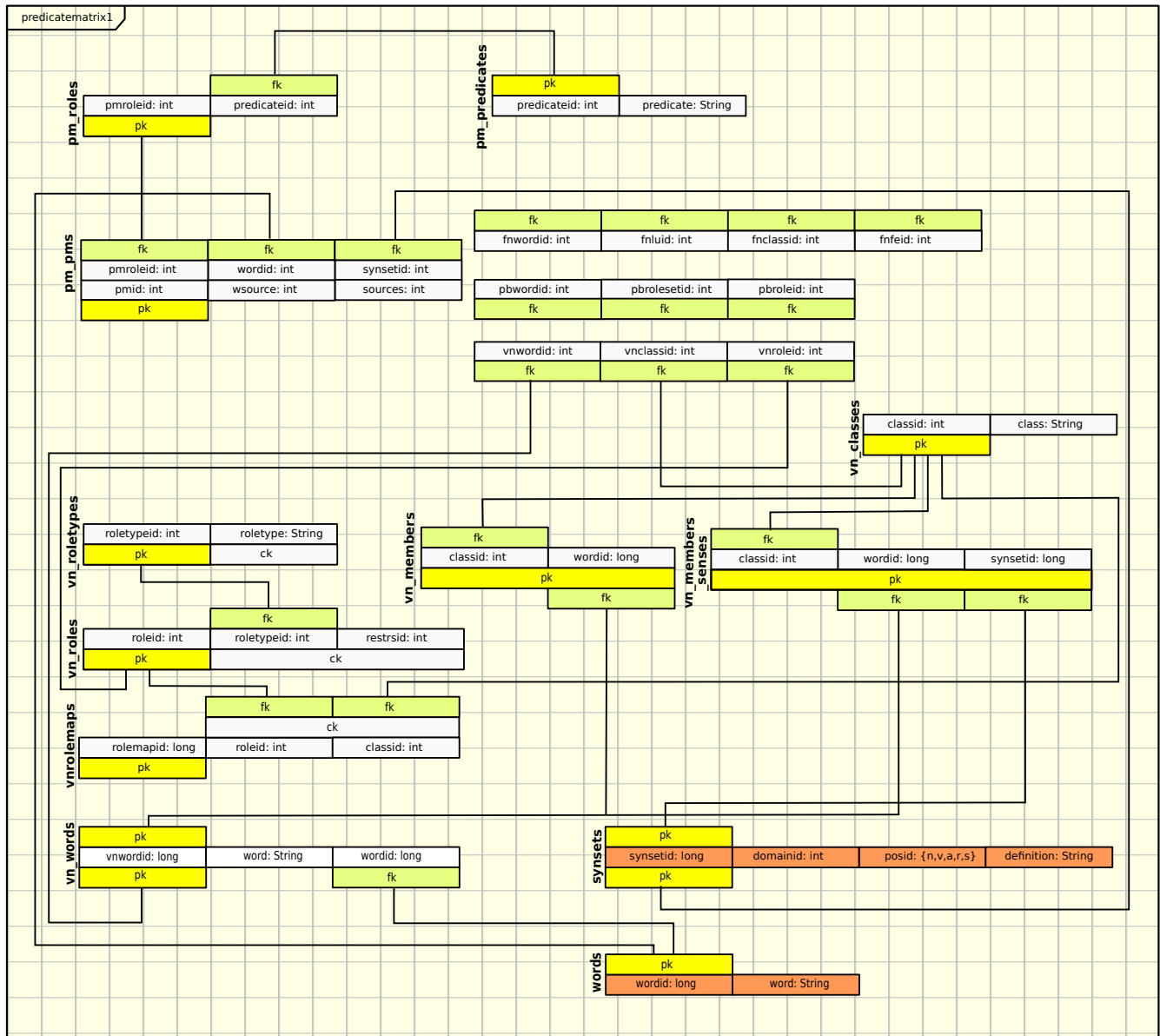
fn_labels

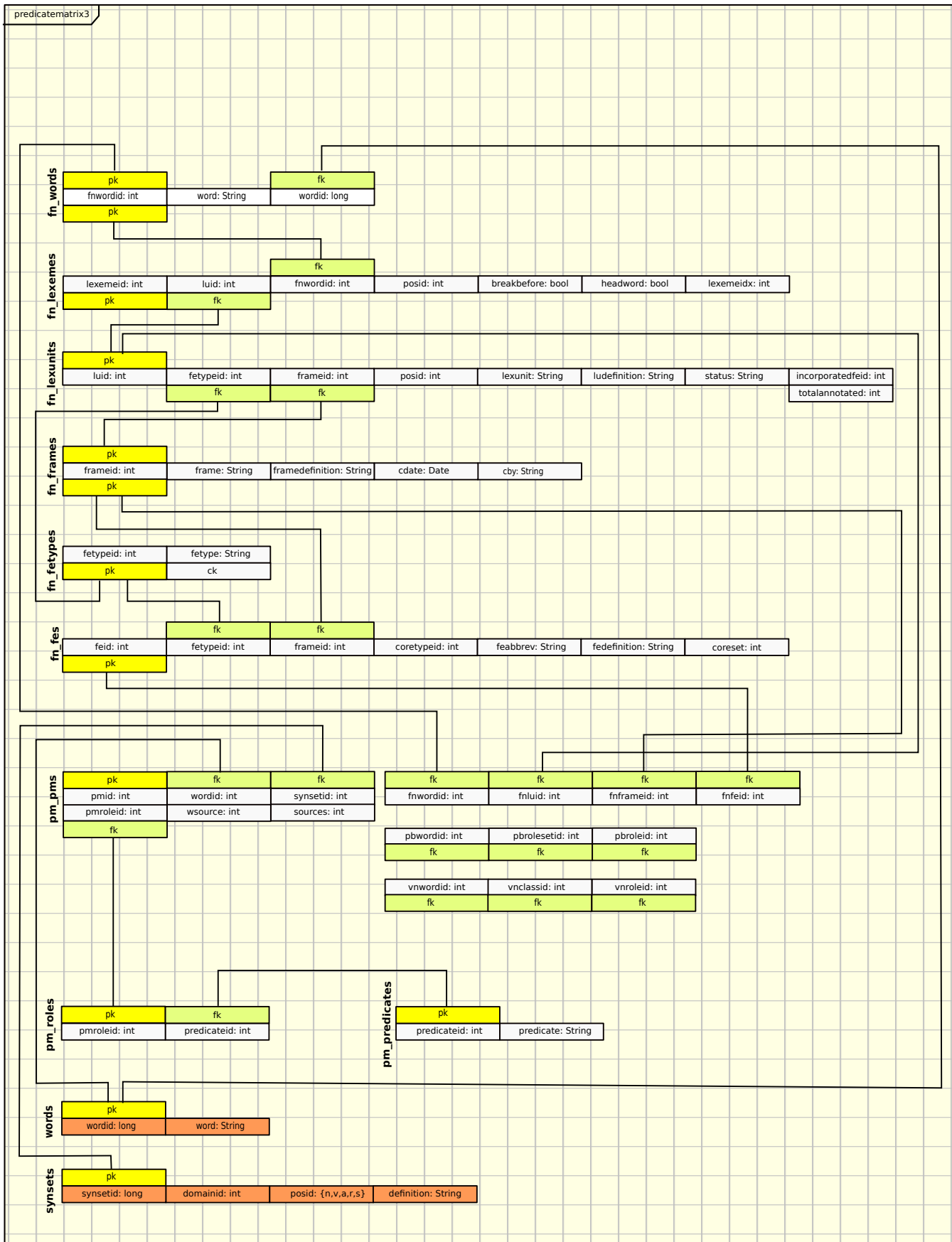
pk	fk	fk	fk			
labelid: int	layerid: int	labeltypeid: int	labeltypeid: int	feid: int	start: int	end: int
				fk		

fn_fes

pk						
feid: int	fetypeid: int	frameid: int	coretypeid: int	feabbrev: String	fedefinition: String	coreset: int







TABLES

SQL WordNet - core

core

words
- <u>wordid</u> : long
-word: String

lexes
- <u>luid</u> : long
- <u>wordid</u> : long
-casedwordid: String
-posid: {n,v,a,r,s}

senses
- <u>luid</u> : long
- <u>wordid</u> : long
-casedwordid: long
- <u>synsetid</u> : long
-senseum: int
-senseid: long
-sensekey: String
-lexid: int
-tagcount: int

synsets
- <u>synsetid</u> : long
-posid: {n,v,a,r,s}
-domainid: int
-definition: String

types

relations
- <u>relationid</u> : int
-relation: String
-recurses: boolean

poses
- <u>posid</u> : {n,v,a,r,s}
-pos: String

domains
- <u>domainid</u> : int
-domain: String
-domainname: String
-posid: {n,v,a,r,s}

adjpositions
- <u>positionid</u> : {a,p,ip}
-position: String

relations

lexrelations
- <u>synset1id</u> : long
- <u>luid</u> : long
- <u>word1id</u> : long
- <u>synset1id</u> : long
- <u>luid</u> : long
- <u>word2id</u> : long
- <u>relationid</u> : int

semrelations
- <u>synset1id</u> : long
- <u>synset2id</u> : long
- <u>relationid</u> : int

extra

casedwords
- <u>casedid</u> : long
- <u>wordid</u> : long
-casedword: String

pronunciations
- <u>pronunciationid</u> : long
-pronunciation: String

morphs
- <u>morphid</u> : long
-morph: String

samples
- <u>synsetid</u> : long
- <u>sampleid</u> : int
-sample: String

vframes
- <u>frameid</u> : int
-frame: String

vtemplates
- <u>template</u> : int
-template: String

lexes_pronunciations
- <u>luid</u> : long
- <u>wordid</u> : long
- <u>posid</u> : {n,v,a,r,s}
- <u>pronunciationid</u> : long
-variety: String

lexes_morphs
- <u>luid</u> : long
- <u>wordid</u> : long
- <u>posid</u> : {n,v,a,r,s}
- <u>morphid</u> : long

senses_adjpositions
- <u>synsetid</u> : long
- <u>luid</u> : long
- <u>wordid</u> : long
- <u>positionid</u> : {a,p,ip}

senses_vframes
- <u>synsetid</u> : long
- <u>luid</u> : long
- <u>wordid</u> : long
- <u>frameid</u> : int

senses_vtemplates
- <u>synsetid</u> : long
- <u>luid</u> : long
- <u>wordid</u> : long
- <u>templateid</u> : int

verbnnet

vn_classes

-classid: int
 -class: String
 -classtag: String

vn_members

-vnwordid: int
 -classid: int

vn_members_senses

-classid: int
 -synsetid: long
 -vnwordid: int
 -wordid: long
 -senseenum: int
 -sensekey: String
 -quality: float

vn_frames_examples

-frameid: int
 -exampleid: int

vn_examples

-exampleid: int
 -example: String

vn_classes_frames

-frameid: int
 -classid: int

vn_framenames

-framenameid: int
 -framename: String

vn_frames

-frameid: int
 -number: String
 -xtag: String
 -framenameid: int
 -framesubnameid: int
 -syntaxid: int
 -semanticid: int

vn_framesubnames

-framesubnameid: int
 -framesubname: String

vn_predicates_semantics

-semanticid: int
 -predicateid: int

vn_predicates

-predicateid: int
 -predicate: String

vn_roles

-roleid: int
 -roletypeid: int
 -classid: int
 -selrestrsid: int

vn_roletypes

-roletypeid: int
 -roletype: String

vn_restrs

-restrsid: int
 -restrs: String

vn_restrtypes

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 -restrval: String
 -restr: String

vn_semantics

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vn_syntaxes

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 -syntax: String

vn_members_groupings

-classid: int
 -wordid: long
 -groupingid: int

vn_groupings

-groupingid: int
 -grouping: String

proppbank

pb_members

-pbwordid: long
 -roleseid: int

pb_rolesets

-roleseid: int
 -pbwordid: long
 -roleset: String
 -rolesetdesc: String
 -rolesetname: String
 -rolesethead: String

pb_roles

-roleid: int
 -roleseid: int
 -roledescr: String
 -argtypeid: char
 -funcid: int
 -thetaid: int

pb_examples

-exampleid: int
 -roleseid: int
 -exemplename: String
 -text: String
 -aspectid: int
 -formid: int
 -tenseid: int
 -voiceid: int
 -personid: int

pb_args

-argid: int
 -exampleid: int
 -text: String
 -argtypeid: char
 -funcid: int

pb_rels

-relid: int
 -exampleid: int
 -text: String
 -funcid: int

pb_argtypes

-argtypeid: char
 -argtype: String

pb_funcs

-funcid: int
 -funcname: String
 -funcdescr: String

pb_aspects

-aspectid: int
 -aspectname: String

pb_forms

-formid: int
 -formname: String

pb_tenses

-tenseid: int
 -tense: String

pb_voices

-voiceid: int
 -voicename: String

pb_persons

-personid: int
 -personname: String

pb_thetas

-thetaid: int
 -thetaname: String

pb_pbroles_vnroles

-roleseid: int
 -roleid: int
 -roletypeid: int
 -vnclassid: long
 -vnroleid: long

pb_pbrolesets_vnclasses

-roleseid: int
 -vnclassid: long
 -pos: char
 -pbwordid: long

framenet

fn_frames

-frameid: int
-frame: String
-framedefinition: String

fn_frames_related

-frameid: int
-frame2id: int
-relid: int

fnrels

-relid: int
-rel: String

fn_coretypes

-coretypeid: int
-coretype: String

fn_poses

-posid: int
-posid: String

fn_governors

-governorid: int
-luid: int
-fnwordid: long
-governortype: String

fn_words

-wordid: long
-word: String

fn_corpuses

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-corpus: String

fn_subcorpus

-subcorpusid: int
-luid: int
-subcorpus: String

fn_documents

-documentid: int
-corpusid: int
-documentdescr: String

fn_sentences

-sentenceid: int
-documentid: int
-corpusid: int
-paragno: int
-sentno: int
-text: String
-apos: int

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-semtype: String
-semtypeabbrev: String
-semtypedefinition: String

fnsemtypes_super

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-semtype2id: int

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-semtypeid: int

fn_lexunits_semtypes

-luid: int
-semtypeid: int

fn_fes_semtypes

-feid: int
-semtypeid: int

fn_lexunits

-luid: int
-frameid: int
-posid: int
-lexunit: String
-ludefinition: String
-ludict: char
-incorporatedfeid: int
-totalannotated: int
-noccurs: int

fn_lexemes

-lexemeid: int
-luid: int
-fnwordid: long
-posid: int

fn_fes

-feid: int
-fetypeid: int
-frameid: int
-coretypeid: int
-feabbrev: String
-fedefinition: String
-coreset: int

fn_subcorpus_sentences

-subcorpusid: int
-sentenceid: int

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-luid: int
-fetypeid: int
-feid: int
-total: int

fn_fegroupprealizations

-fegrid: int
-luid: int
-total: int

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-fe2id: int

fn_fes_excluded

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-fe2id: int

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fn_labeltypes

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fn_layertypes

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-layertype: String

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-total: int

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-vuid: int
-ferid: int

fn_valenceunits

-vuid: int
-fetypeid: int
-ptid: int
-gfid: int

fn_layers

-layerid: int
-annosetid: int
-layertypeid: int
-rank: int

fn_labels

-labelid: int
-layerid: int
-labeltypeid: int
-start: int
-end: int
-feid: int

fn_annosets

-annosetid: int
-frameid: int
-luid: int
-cxnid: int
-sentenceid: int
-text: String

fn_valenceunits_annosets

-vuid: int
-annosetid: int

fn_governors_annosets

-governorid: int
-annosetid: int

fn_grouppatterns_annosets

-patternid: int
-annosetid: int

bnc

bncs

-wordid: long
-posid: enum('n','v','a','r','s')
-freq: long
-range: int
-disp: float

bncXYs

-wordid: long
-posid: enum('n','v','a','r','s')
-freq1: long
-range1: int
-disp1: float
-freq2: long
-range2: int
-disp2: float
-ll: float

predicatematrix

pm_pms

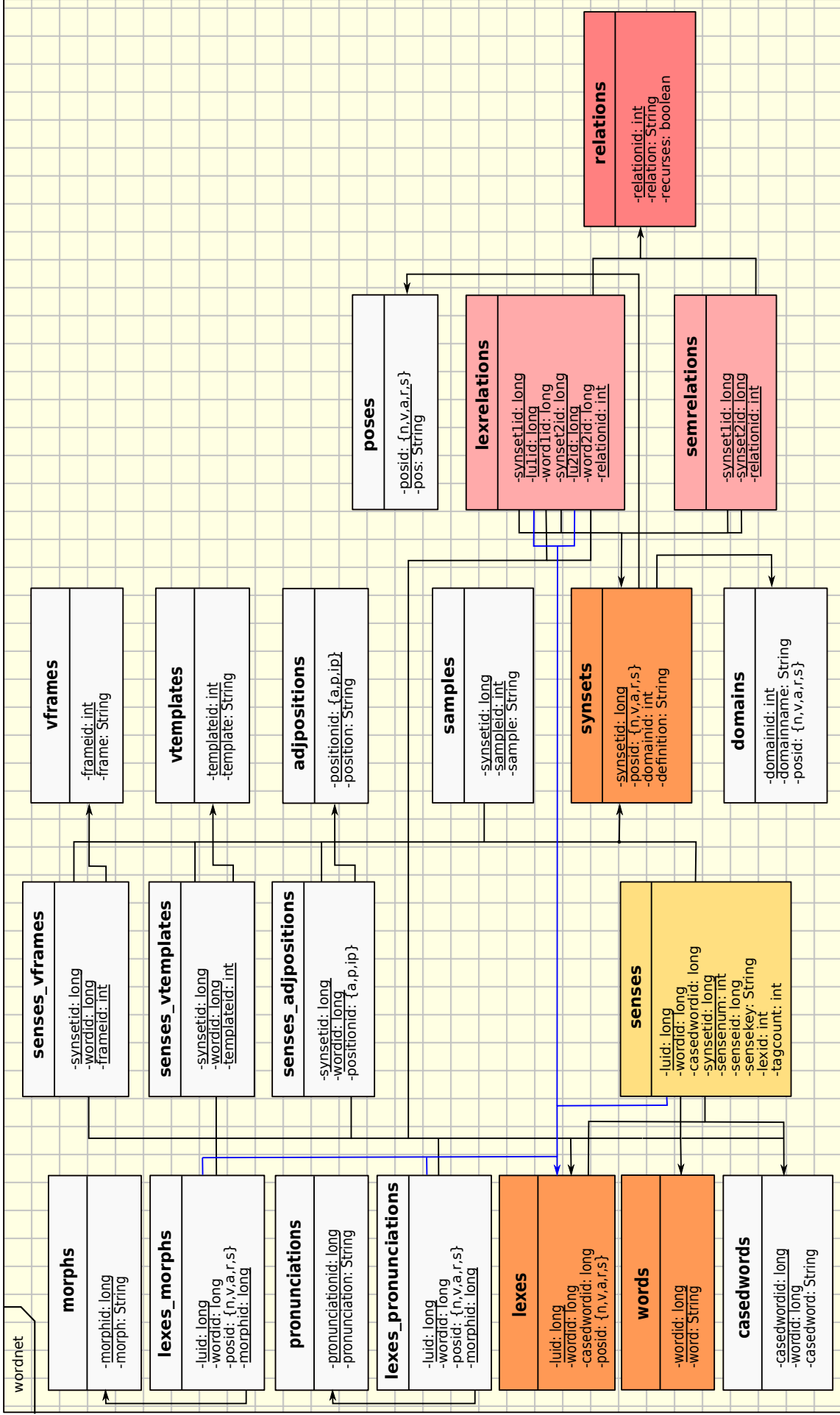
- pm_pms: int
- pmroleid: int
- wordid: int
- synsetid: int
- sensekey: String
- vnwordid: int
- vnclassid: int
- vnroleid: int
- pbwordid: int
- pbrolesetid: int
- pbroleid: int
- fnwordid: int
- fnluid: int
- fnframeid: int
- fnfeid: int
- fetypeid: int
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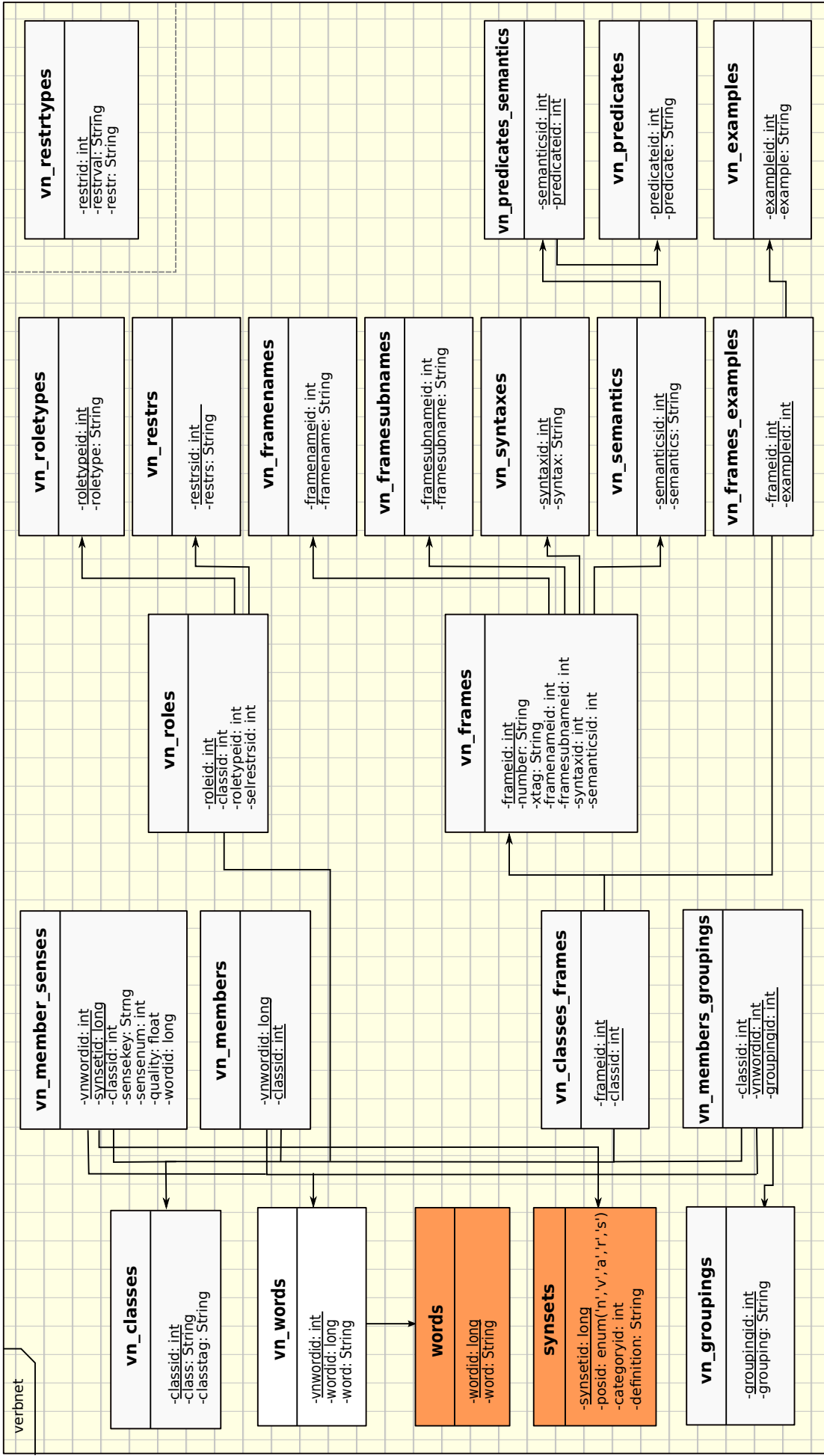
pm_roles

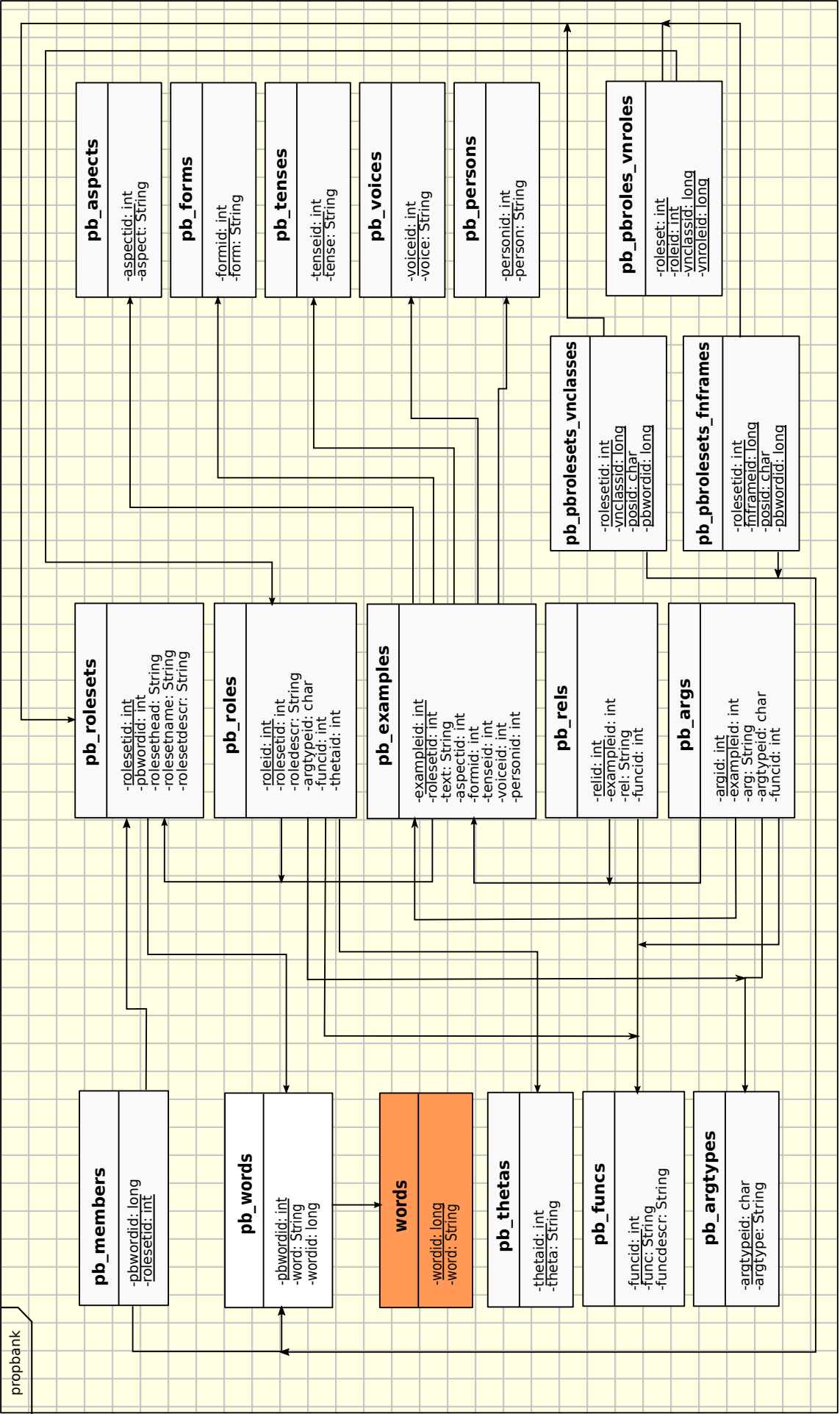
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- predicateid: int
- role: String
- pos: char

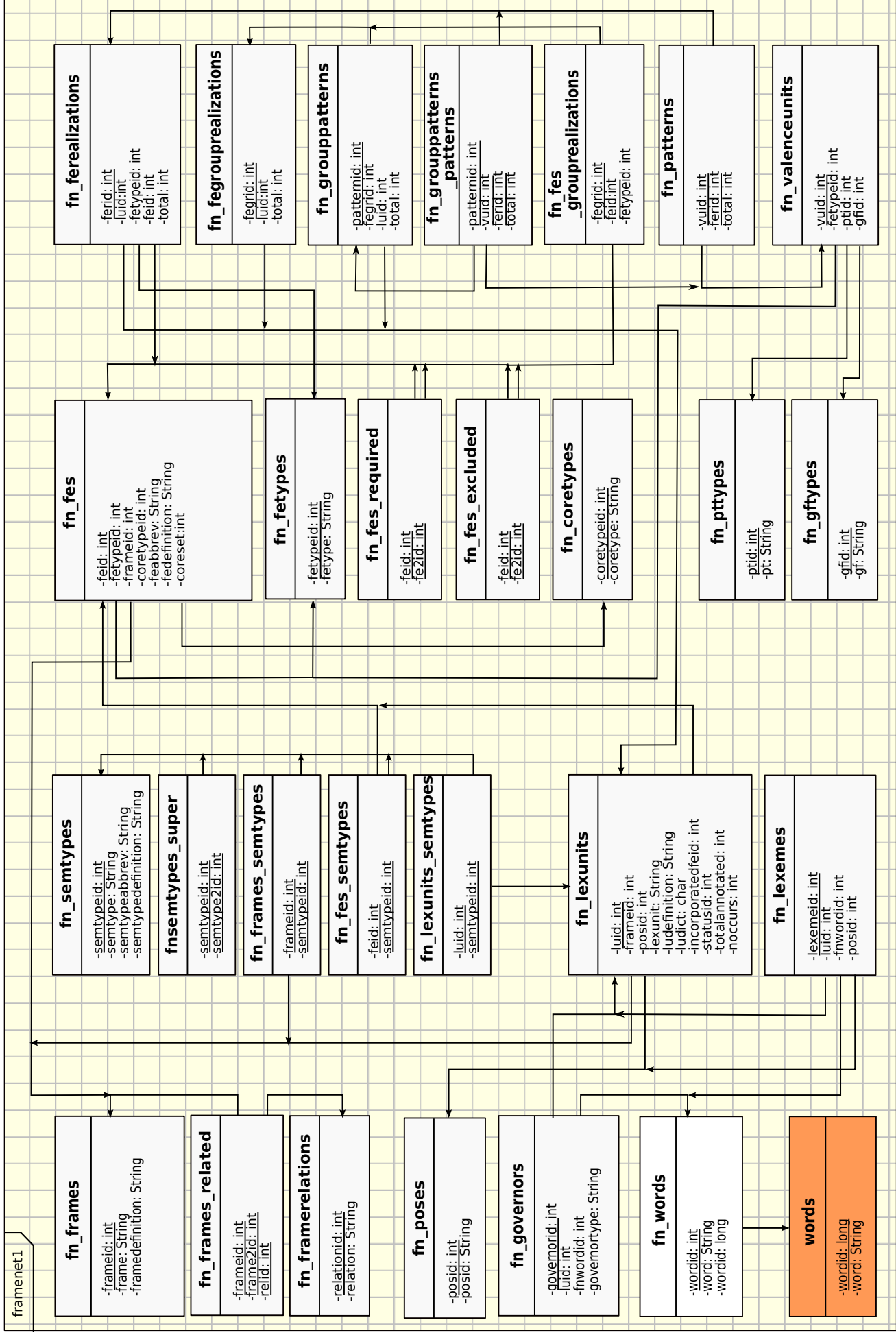
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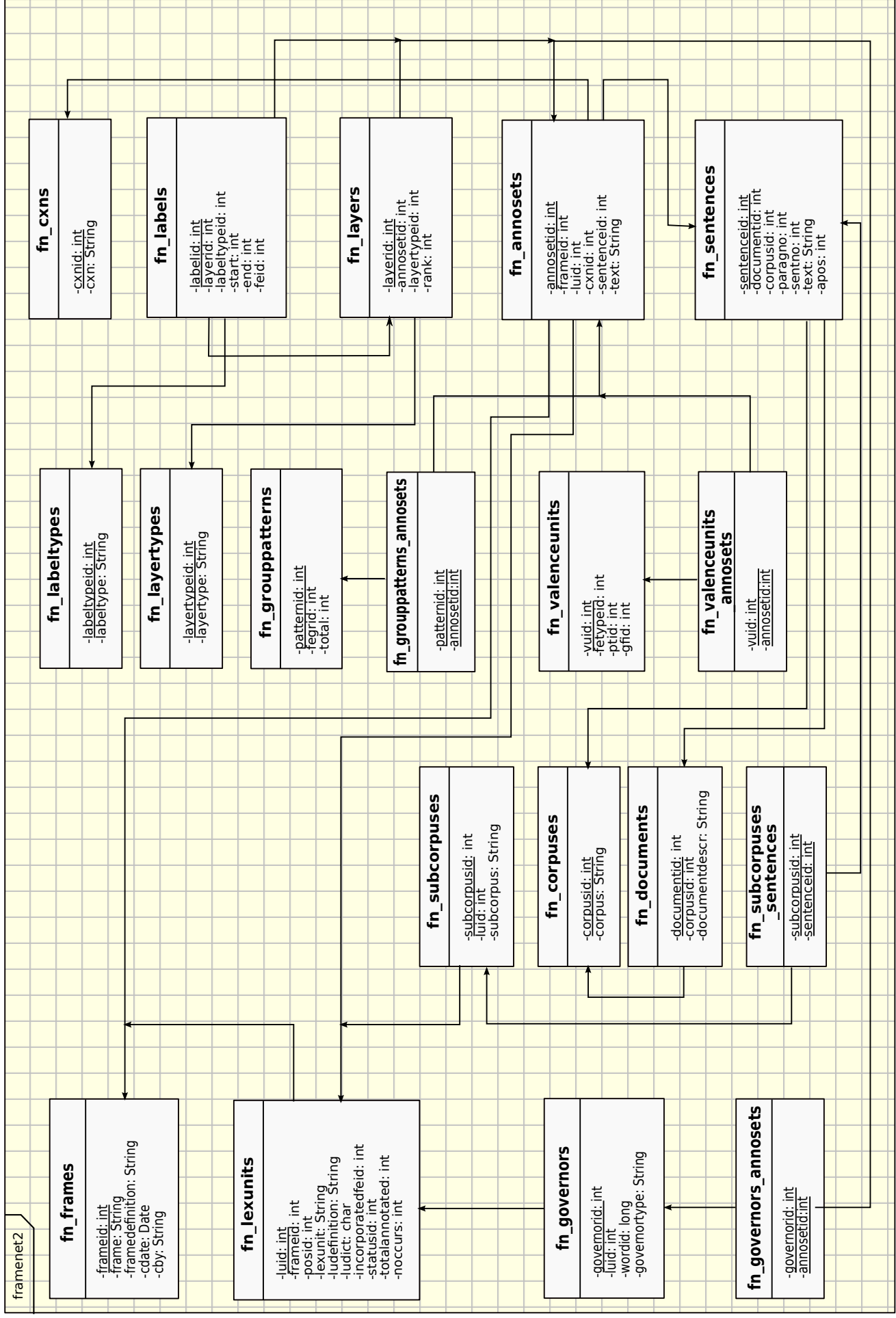
- predicateid: int
- predicate: String

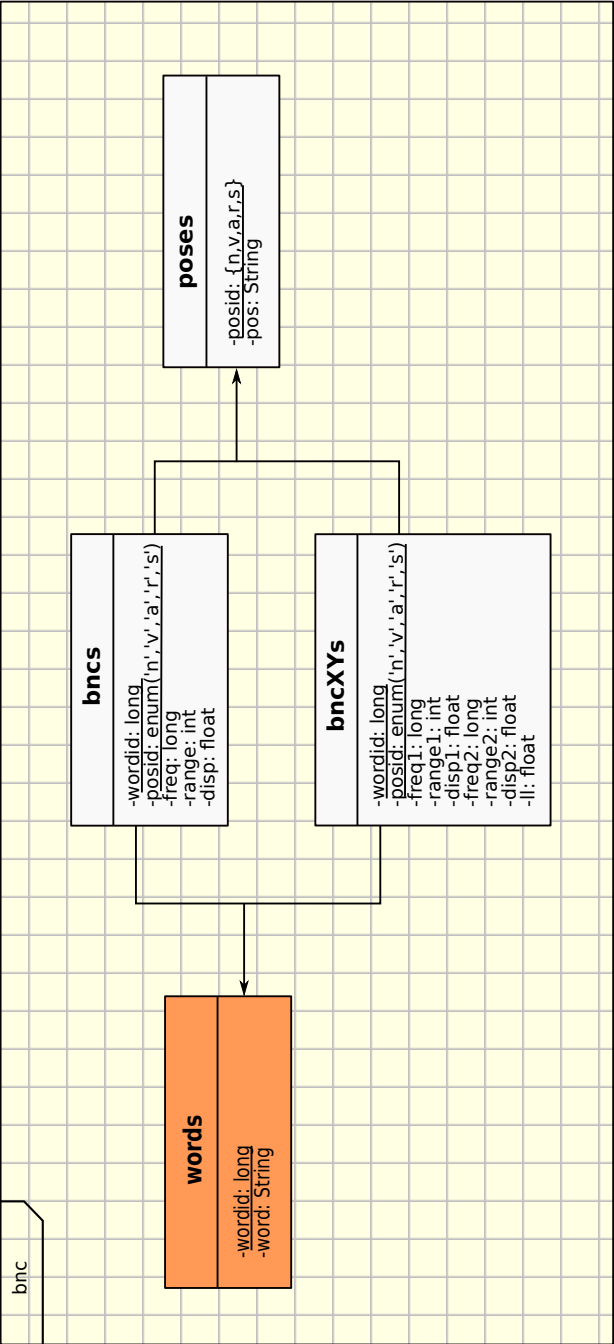


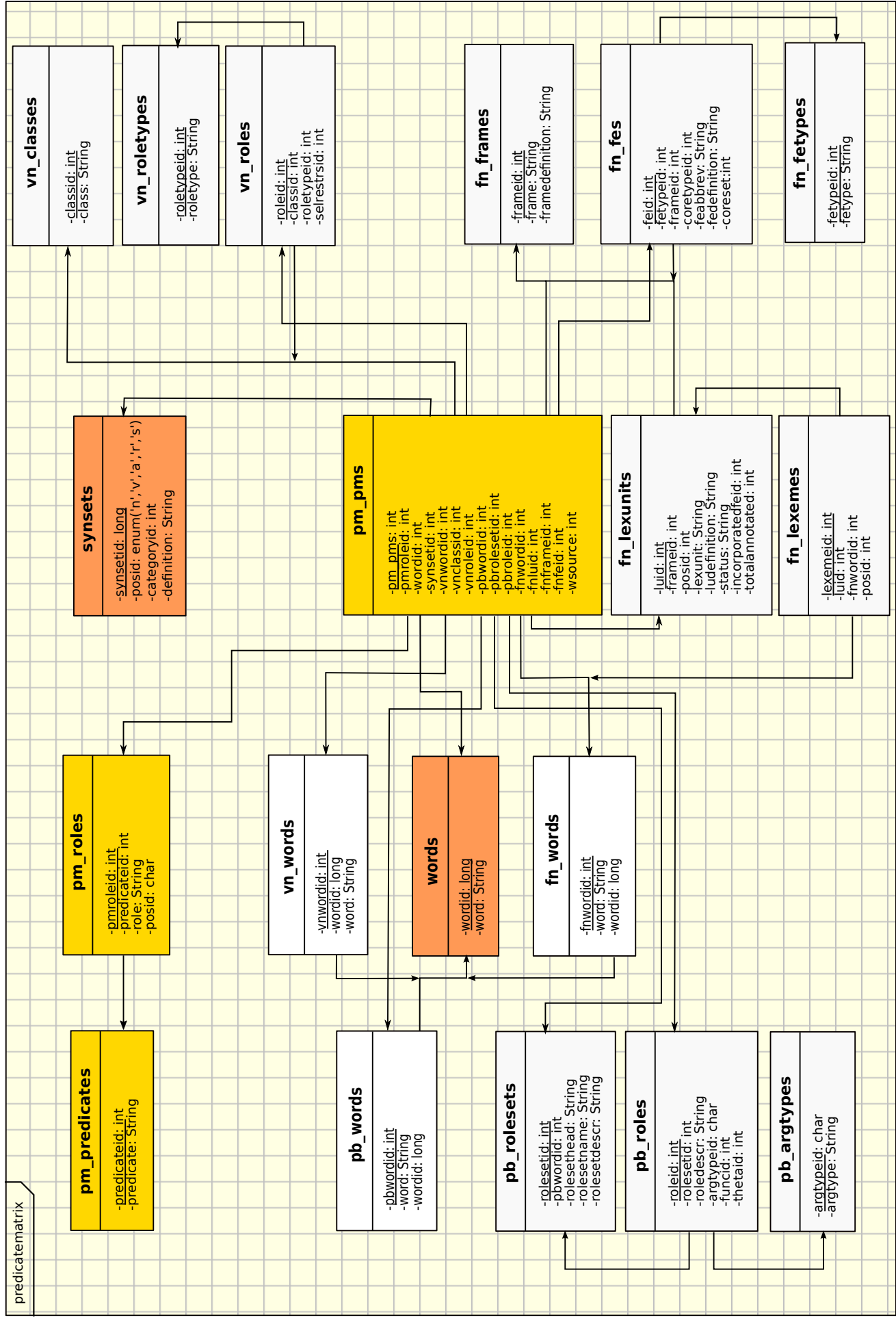






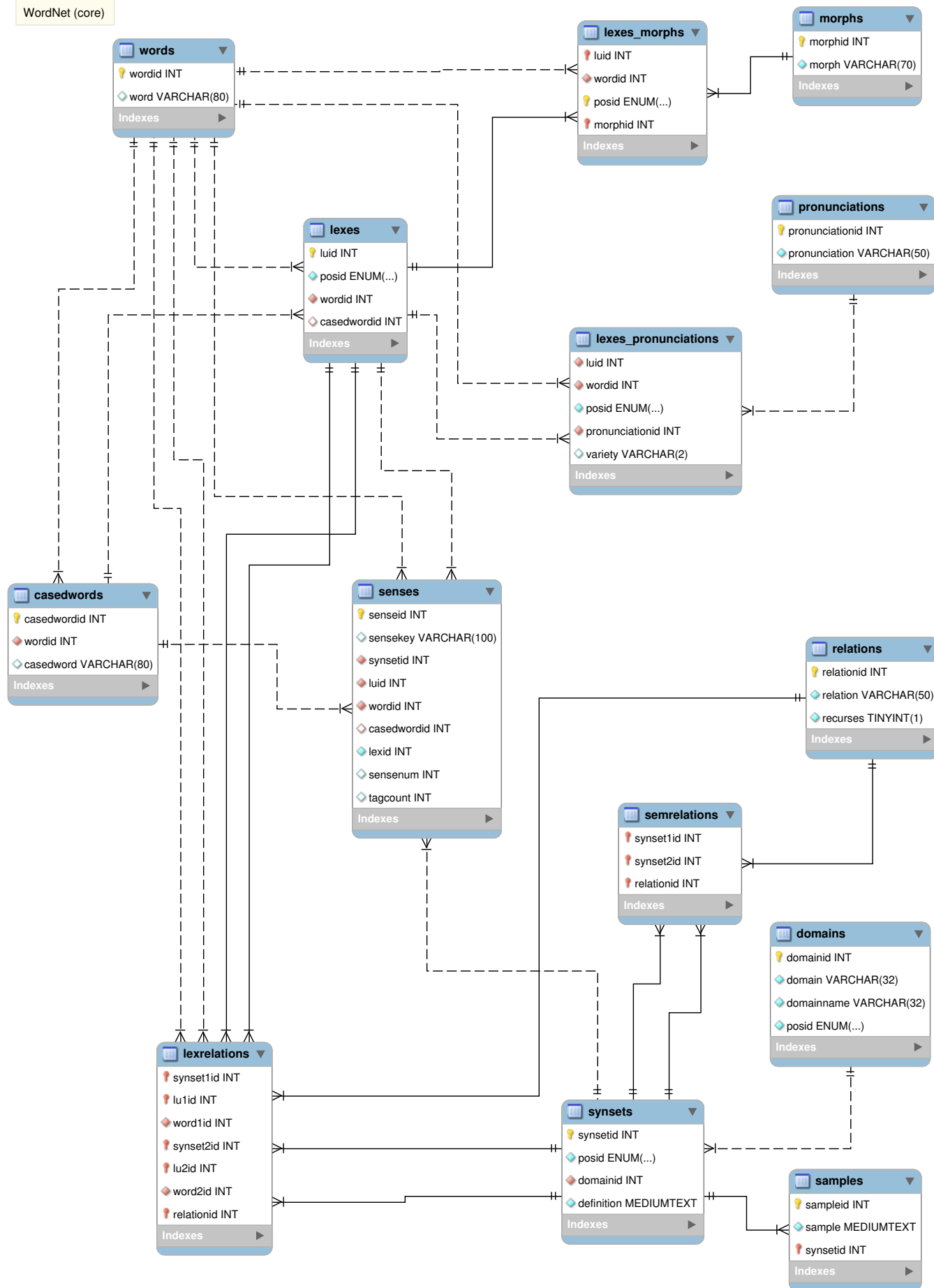




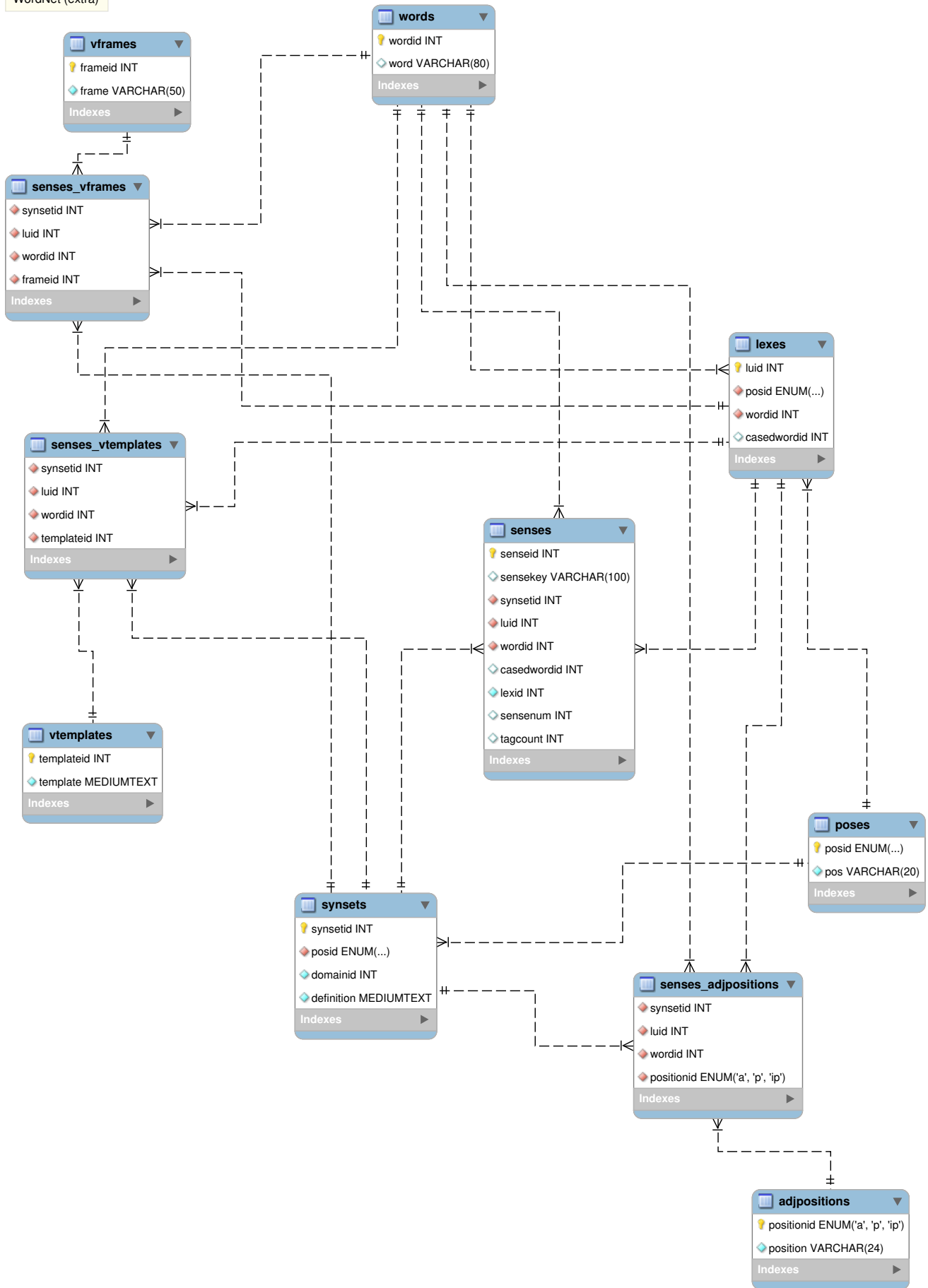




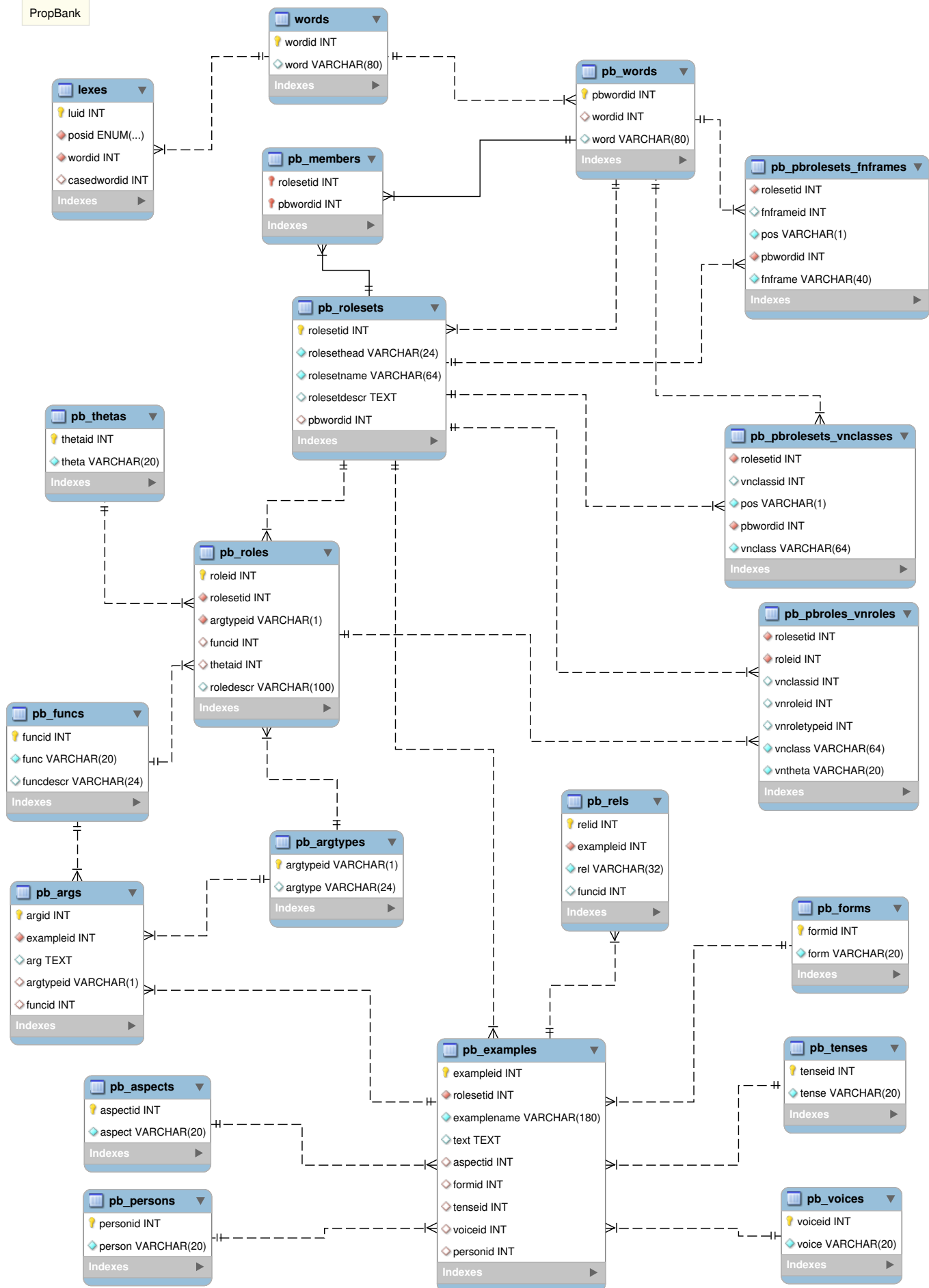
WordNet (core)

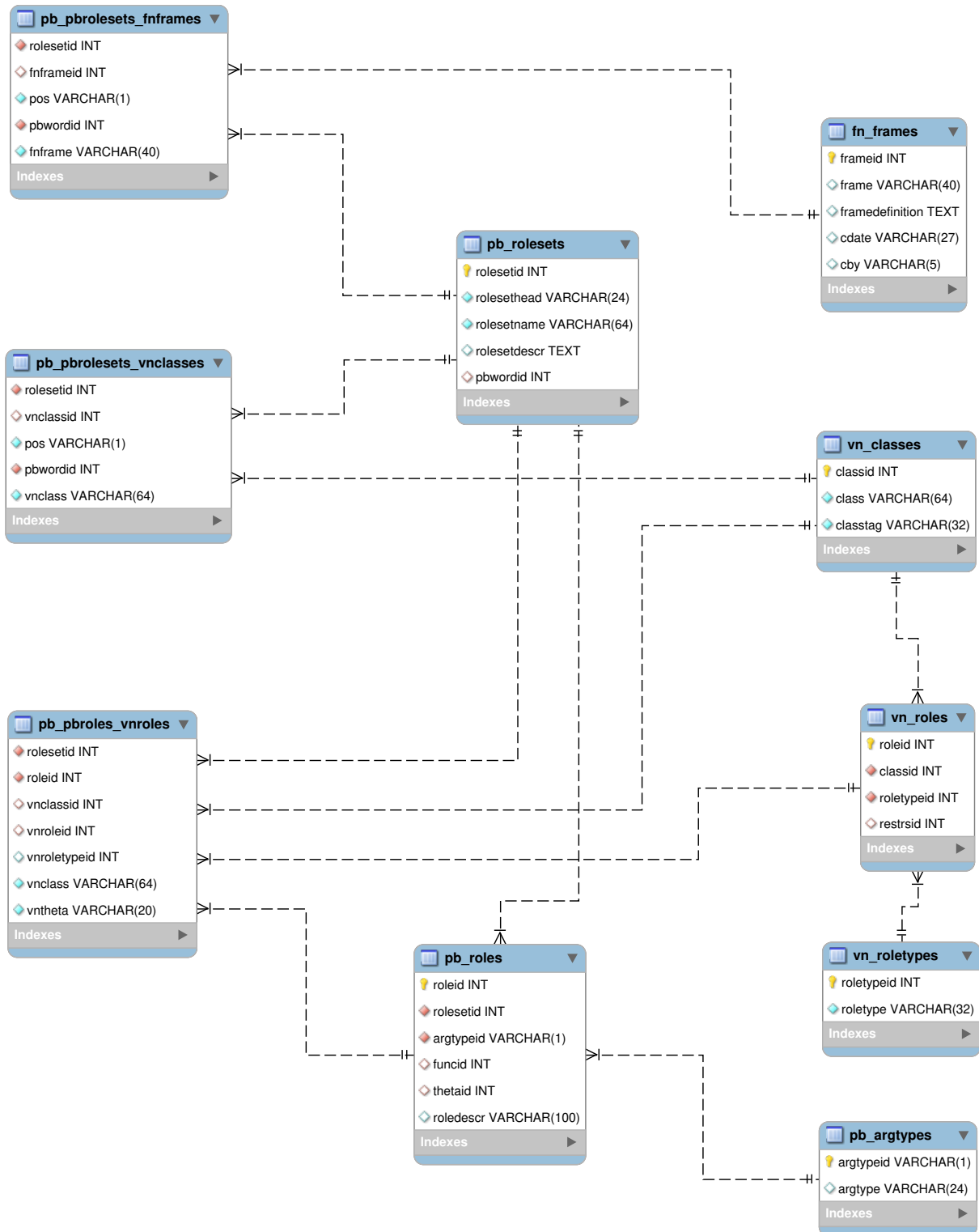


WordNet (extra)

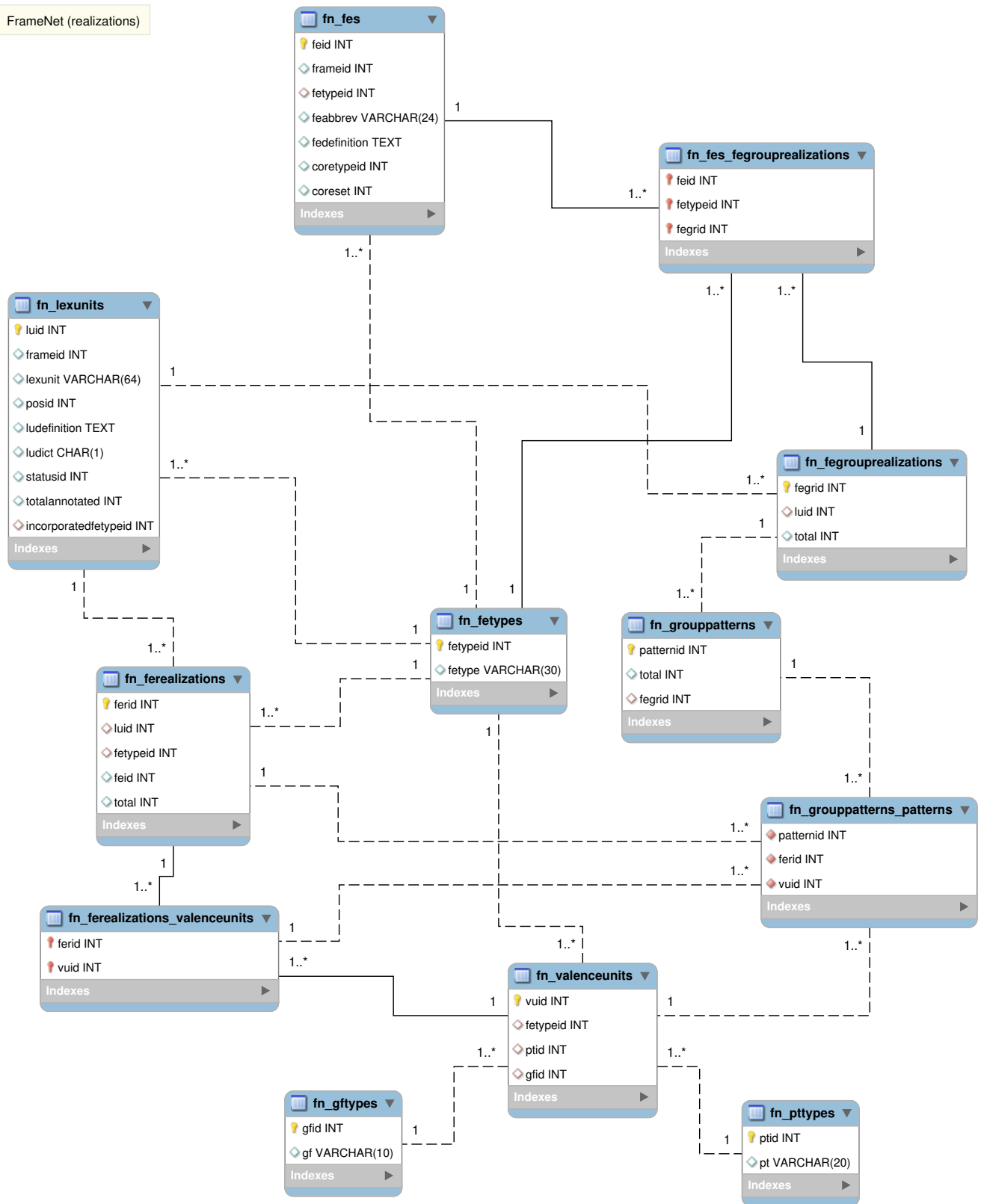


PropBank

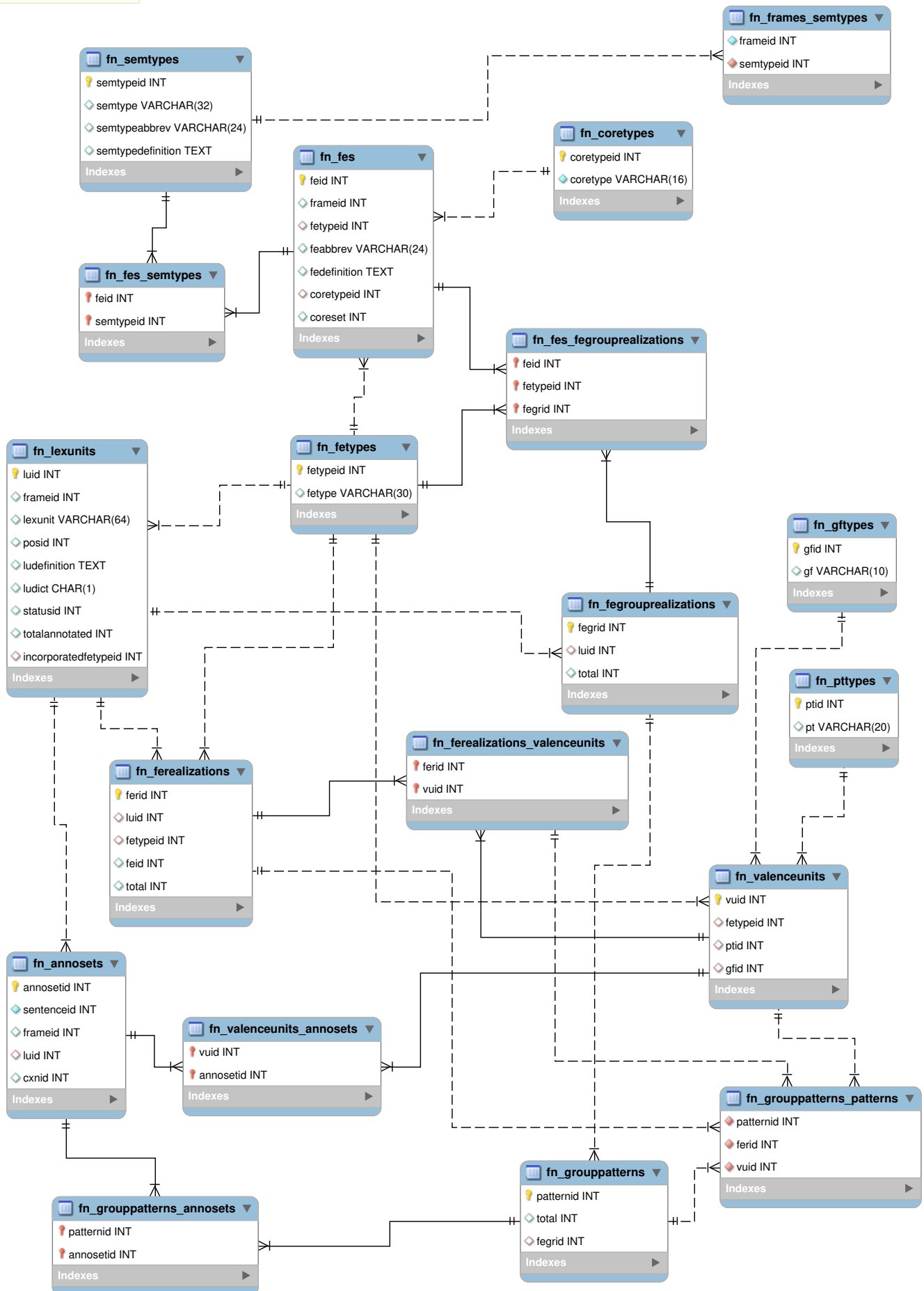




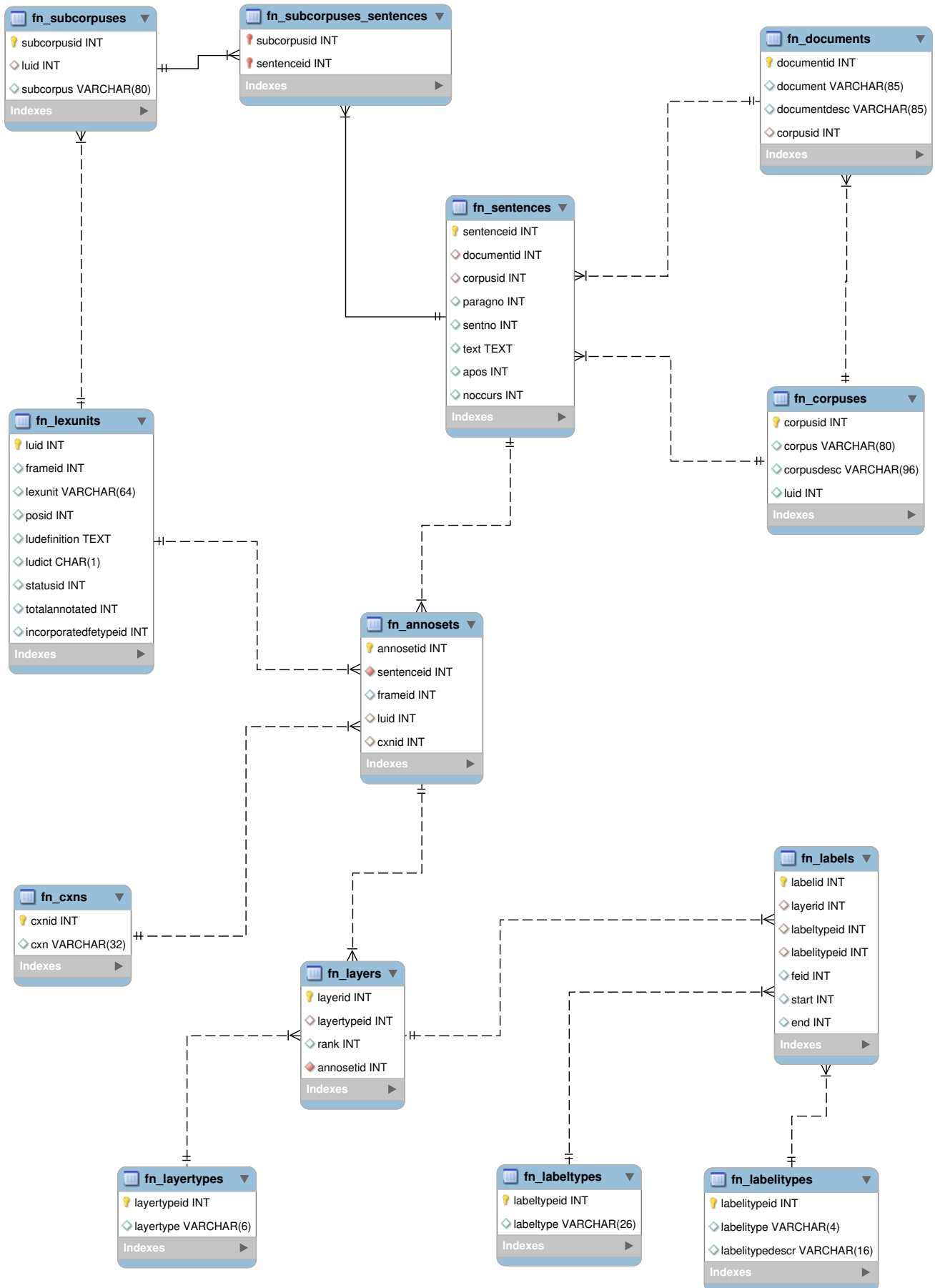
FrameNet (realizations)



FrameNet (realizations)



FrameNet (annosets)



FrameNet (full text)

