f00013:

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-lrb-	: 134	of	: 115	link	: 100	is	: 92
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decomposition	: 30	.1	: 30	sub-schemas	: 30	two	: 29
as	: 29	following	: 28	are	: 27	. 2	: 27
type	: 26	s2	: 25	11	: 25	rc-nf2	: 24
an	: 24	resource	: 23	r1	: 22	rs1	: 22
	: 22	rules	: 22	resources	: 21	according	: 21
by	: 20	between	: 19	that	: 18	with	: 18
it	: 17	not	: 17	sub-schema	: 17	let	: 16
any	: 16	.3	: 16	12	: 15	schemas	: 15
relative	: 15	fig	: 15	into	: 15	-lsb-	: 14
rs2	: 14	-rsb-	: 14	if	: 14	different	: 14
networks	: 13	links	: 13	definition	: 13	lemma	: 13
get	: 13	new	: 13	all	: 12	or	: 12
r2	: 12	relations	: 12	then	: 11	shown	: 11
.20	: 11	some	: 11	si	: 10	paper	: 10
editorof	: 10	operation	: 10	professor	: 10	loss-less	: 10
web	: 10	rc-nf1	: 10	bottom	: 10	under	: 9
net	: 9	one	: 9	enables	: 9	which	: 9
publishedin	: 9	each	: 9	such	: 8	so	: 8
sm	: 8	.10	: 8	need	: 8	find	: 8
xml	: 8	only	: 8	corresponding	: 8	model	: 8
provides	: 8	respectively	: 7	compute	: 7	therefore	: 7
join	: 7	theory	: 7	relational	: 7	construct	: 7
lbi	: 7	several	: 7	engagein	: 7	student	: 7
there	: 7	application	: 7	relationships	: 6	involved	: 6
rdf	: 6	proof	: 6	may	: 6	readerof	: 6
data	: 6	operate	: 6	its	: 6	forms	: 6
rt	: 6	instances	: 6	reference	: 6	rsm	: 6
rsi	: 6	based	: 6 : 6	semantics rbi	: 6	however	: 6 : 6
union	: 6 : 6	three	: 6	-	: 6 : 6	user	: 6
theorem form	: 6	has rsbi	: 6	redundancy at	: 6	does	: 6 : 5
.40	: 5		: 6 : 5	ls	: 5	query denoted	: 5
ri	: 5 : 5	same rule-constraint	: 5 : 5	have	: 5 : 5	algorithms	: 5
normal	• 5 • 5	relation	. 5 : 5	closed	. 5 : 5	<del>-</del>	: 5
	: 5 : 5	complexity	: 5 : 5	them	: 5 : 5	cup clearly	: 5
among database	: 5 : 5	proposed	: 5 : 5	parts	: 5 : 5	potential	: 5
decomposed	: 5 : 5	follows	: 5 : 5	parts proceeding	: 5 : 5	journal	: 5
book	• 5 • 5	department	. 5 : 5	original	• 5 • 5	equivalent	: 4
defines	. 3 : 4	concepts	: 4	projection	. 3 : 4	classification	: 4 : 4
GETTHE?	• 4	concebra	• 4	brolecton	• 4	CIASSILICACIOII	• 4

1.1FII.D_Nprogrammechpsetce_n	eiationivviileque	IICEWYFI 1000 IS.LXL					
next	: 4	language	: 4	this	: 4	example	: 4
verify	: 4	executed	: 4	easily	: 4	out	: 4
part	: 4	than	: 4	decompose	: 4	efficient	: 4
connected	: 4	rti	: 4	closure	: 4	course	: 4
common	: 4	up-closure	: 4	called	: 4	relevant	: 4
li	: 4	conference	: 4	basic	: 4	samefield	: 4
six	: 4	intersection	: 4	instance	: 4	partof	: 4
vistingscholarof	: 4	but	: 4	also	: 4	node	: 4
structure	: 4	assume	: 4	global	<b>:</b> 3	level	: 3
large	: 3	small	: 3	shows	: 3	facultyof	: 3
modify	: 3	manage	: 3	use	<b>:</b> 3	more	: 3
share	: 3	normalized	: 3	cases	<b>:</b> 3	setup	: 3
end	: 3	means	: 3	s.	<b>:</b> 3	after	: 3
derived	: 3	sn	: 3	se	<b>:</b> 3	help	: 3
lm	: 3	return	: 3	university	: 3	rm	: 3
rn	: 3	sbi	: 3	updating -	: 3	first	: 3
11	: 3	vocabularies	: 3	decomposing	: 3	segment	: 3
traditional	: 3	managing	: 3	selection	: 3	show	: 3
rtj	: 3	should	: 3	define	: 3	attenantof	: 3
remove	: 3	cycles	: 3	where	: 3	both	: 3
many	: 3	deduction	: 3	whole	: 3	moreover	: 3
better	: 3	been	: 3	defined	: 3	field	: 3
linktypes	: 3	else	: 3	will	: 3	thus	: 3
cycle	: 3	markup	: 3	sets	<b>:</b> 3	atomic	: 3
easy	: 3	s1.d	: 3	because	: 3	deal	: 3
kinds	: 3	scale	: 3	step	: 3	extension	: 3
other	: 3	determine	: 3	start	<b>:</b> 3	way	: 3
subschemas	: 3	no	: 3	denote	: 3	building	: 3
12	: 3	represent	: 2	skip	: 2	1,2	: 2
leads	: 2	proposition	: 2	consists	: 2	graph	: 2
nodes	: 2	affect	: 2	syntax	: 2	even	: 2
above	: 2	metadata	: 2	supporting	: 2	change	: 2
study	: 2	changed	: 2	s3	: 2	resourcetypes	: 2
syntaxes	: 2	process	: 2	s6	: 2	s5	: 2
s 4	: 2	guarantee	: 2	express	: 2	description	: 2
si2	: 2	si1	: 2	introduced	: 2	natural	: 2
sj	: 2	maintain	: 2	operations	: 2	owl	: 2
24	: 2	derive	: 2	ln	: 2	lk	: 2
defining	: 2	good	: 2	combination	: 2	qualified	: 2
they	: 2	- www.w3	: 2	loosely	: 2	domain	: 2
reduce	: 2	idea	: 2	related	: 2	rd	: 2
rk	: 2	generate	: 2	univesity	: 2	ruleml	: 2
variables	: 2	number	: 2	directly	: 2	redundancy-free	: 2
given	: 2	management	: 2	top	: 2	listed	: 2
rsn	: 2	13	: 2	14	: 2	project	: 2
false	: 2	paths	: 2	documents	: 2	build	: 2
chairof	: 2	pair	: 2	fact	: 2	rich	: 2
indeed	: 2	do	: 2	subschema	: 2	authorof	: 2
creating	: 2	consistency	: 2	connective	: 2	various	: 2

1 . IF II.D_T\program\cupse\cu	relation(vvirequenc	CENVET TOOUTS.LKL						2010年7月10日 9.44
terms	: 2	ability	: 2	ld	: 2	efficiency	: 2	
attributes	: 2	much	: 2	rather	: 2	case	: 2	
these	: 2	while	: 2	32	: 2	coupled	: 2	
triple	: 2	develop	: 2	independent	: 2	least	: 2	
yes	: 2	previous	: 2	1'	: 2	possible	: 2	
methods	: 2	sequence	: 2	instantiating	: 2	table	: 2	
users	: 2	rdfs	: 2	semantically	: 2	deleted	: 2	
ontology	: 2	35	: 2	up-closures	: 2	inserted	: 2	
support	: 2	directed	: 2	problem	: 2	describe	: 2	
single	: 2	compared	: 2	revision	: 2	models	: 2	
deriving	: 2	limited	: 1	concept	: 1	results	: 1	
existing	: 1	integrity	: 1	localized	: 1	content	: 1	
-	: 1		: 1		. 1 : 1		: 1	
certainly		frame-work		segments		equivalence		
languages	: 1	finally	: 1	include	: 1	expressing	: 1	
role	: 1	www.w3.org/xml/scher		categories	: 1	four	: 1	
supports	: 1	list	: 1	solution	: 1	deleting	: 1	
smaller	: 1	built-in	: 1	second	: 1	further	: 1	
incompatible	: 1	sum	: 1	issues	: 1	shared	: 1	
consisting	: 1	satisfy	: 1	focuses	: 1	path	: 1	
implicit	: 1	obtained	: 1	publisher	: 1	33	: 1	
contradiction	: 1	34	: 1	involves	: 1	tasks	: 1	
useful	: 1	logical	: 1	modifying	: 1	unit	: 1	
takes	: 1	would	: 1	remains	: 1	m.	: 1	
org/2004/owl	: 1	themselves	: 1	until	: 1	reflects	: 1	
normalizes	: 1	sharing	: 1	distribution	: 1	rigid	: 1	
hold	: 1	involve	: 1	science	: 1	nine	: 1	
decidability	: 1	making	: 1	?s	: 1	high	: 1	
rec-rdf-schema-20		sense	: 1	classmateof	: 1	fatherof	: 1	
normalize	: 1	information	: 1	www.w3.org/tr/200			provide	:
1	• =	1111 011110 01011	• =		1, 100 101 1	.0 20010210. 1	P101140	•
how	: 1	influences	: 1	sik	: 1	sim	: 1	
map	: 1	precondition	: 1	includes	: 1	applications	: 1	
produce	: 1	designed	: 1	subfieldof	: 1	efficiently	: 1	
light	: 1	redundant	: 1	element	: 1	sk	: 1	
representation	: 1	discussion	: 1	essence	: 1	over	: 1	
lsm	: 1	mainly	: 1	structuring	: 1	including	: 1	
satisfies	: 1	still	: 1	features	: 1	25	: 1	
26	: 1	21	: 1	actually	: 1	offers	: 1	
main	: 1	easier	: 1	colleague	: 1	13,14	: 1	
mention	: 1	1s2	: 1	ls1	: 1	discuss	: 1	
maintaining	: 1	execute	: 1	classified	: 1	classify	: 1	
found	: 1	www.w3.org/tr/2004/		n/m	: 1	another	: 1	
series	: 1	headof	: 1	special	: 1	since	: 1	
re	: 1	reader	: 1	induced	: 1	ref	: 1	
foundation	: 1	retrieved	: 1	productof	: 1	reason	: 1	
dependencies	: 1	teach	: 1	could	: 1	length	: 1	
removing	: 1	unchanging	: 1	reflexive	: 1	researcher	: 1	
i.	: 1	rs0	: 1	size	: 1	service	: 1	
needed	: 1	their	: 1	assumption	: 1	store	: 1	

F:\Pn.D_1\program\Eclipse\CE	relation\vvrrequence	WYPF100013.txt						2016年7月18日 9:44
relationship	: 1	rsd	: 1	rse	: 1	immediate	: 1	
inferential-trans	sformational:	1 represen	ting	: 1 specify		: 1 10	: 1	
acknowledgein	: 1	roles	: 1	18	: 1	see	: 1	
aims	: 1	represents	: 1	motivation	: 1	low	: 1	
relatively	: 1	rsk	: 1	isolated	: 1	lik	: 1	
concerns	: 1	added	: 1	sl	: 1	most	: 1	
pages	: 1	especially	: 1	li1	: 1	li2	: 1	
notion	: 1	repeatedly	: 1	d.	: 1	rtk	: 1	
decompositions	: 1	unconnected	: 1	determined	: 1	trivial	: 1	
execution	: 1	knowledge	: 1	dividing	: 1	occur	: 1	
appended	: 1	cross-platform	: 1	explicitly	: 1	constant	: 1	
interested	: 1	rt.	: 1	ones	: 1	rt1	: 1	
rt2	: 1	lossless	: 1	patch	: 1	implication	: 1	
exists	: 1	takepartin	: 1	closures	: 1	depends	: 1	
satisfying	: 1	ways	: 1	symmetric	: 1	enough	: 1	
smallest	: 1	approach	: 1	available	: 1	weak	: 1	
27	: 1	holds	: 1	mean	: 1	finds	: 1	
machine-understar	ndable: 1	otherwise	: 1	regulated	: 1	i.e.	: 1	
raise	: 1	basis	: 1	create	: 1	reduction	: 1	
leaderof	: 1	applying	: 1	ontologies	: 1	belongto	: 1	
relevance	: 1	sub-shcema	: 1	c0	: 1	those	: 1	
developing	: 1	choices	: 1	sjp	: 1	enriching	: 1	
equal	: 1	experts	: 1	rik	: 1	unite	: 1	
complex	: 1	soundness	: 1	higher	: 1	swrl	: 1	
ri2	: 1	ri1	: 1	edges	: 1	characters	: 1	
extensible	: 1	components	: 1	firstly	: 1	www.ruleml.org	: 1	
obtain	: 1	proposes	: 1	regulates	: 1	immediately	: 1	
tables	: 1	regarded	: 1	guaranteed	: 1	add	: 1	
combine	: 1	prominently	: 1	31	: 1	identical	: 1	
aspects	: 1	using	: 1	unique	: 1	advanced	: 1	
formal	: 1	s1.b	: 1	supervisorof	: 1	s1.a	: 1	
loses	: 1	consensus	: 1	continue	: 1	sparse	: 1	
reduced	: 1	amendment	: 1	arrows	: 1	examples	: 1	
images	: 1	facing	: 1	demonstrates	: 1	avoid	: 1	
www.knowledgegrid	d.net/~h.zhug	ge/sln.htm: 1	steps	: 1	bi	: 1	s1.c	:
carried	: 1	anything	: 1	constraint	: 1	theorems	: 1	
compatible	: 1	le	: 1	ensure	: 1	transitive	: 1	
software	: 1	specifies	: 1	within	: 1	references	: 1	
s.t.	: 1	reducing	: 1	significantly	: 1	logics	: 1	
class	: 1	editor	: 1	suit	: 1	sections	: 1	
rsik	: 1	blueprint	: 1	construction	: 1	rule34	: 1	
removed	: 1	rsi2	: 1	rsi1	: 1	shrunk	: 1	
up	: 1	abstract	: 1	pm	: 1	average	: 1	
delete	: 1	replacing	: 1	classic	: 1	object-attribute	-value: 1	
certain	: 1	universal	: 1	textbook	: 1	meanwhile	: 1	
exist	: 1	ing	: 1	check	: 1	constructed	: 1	
when	: 1	rewriting	: 1	appending	: 1	2dk	: 1	
repeat	: 1	studyin	: 1	problems	: 1	sc-nf2	: 1	
				<del>-</del>				

1.1F11.D_1\piograff\Lclipse\CL_felation\vii	equence with 1000 13.txt				2010年7月10日 3.44
variation : 1		: 1 meaning	: 1	important : 1	
describing : 1		: 1 org/xml	: 1	focused : 1	
lead : 1					
WP_Fdic:					
['the', 'DT']	: 299	['and', 'CC']	: 137	['semantic', 'JJ']	
['-lrb-', '-LRB-']	: 134	['-rrb-', '-RRB-']		['of', 'IN']	: 115
['link', 'NN']	: 97	['is', 'VBZ']	: 92	['to', 'TO']	: 84
['in', 'IN']	: 74	['rule', 'NN']	: 62	['for', 'IN']	: 61
['schema', 'NN']	: 60	['sln', 'NNP']	: 48	['reasoning', 'NN']	: 48
['types', 'NNS']	: 48	['we', 'PRP']	: 42	['can', 'MD']	: 42
['be', 'VB']	: 42	['-rcb-', '-RRB-']	: 41	['-lcb-', '-LRB-']	: 41
['network', 'NN']	<b>:</b> 35	['s1', 'NNP']	<b>:</b> 32	['on', 'IN']	: 32
['rs', 'NN']	: 31	['from', 'IN']	: 30	['two', 'CD']	: 29
['.1', 'CD']	: 29	['from', 'IN'] ['decomposition', 'NN']	: 29	['sub-schemas', 'NNS']	<b>:</b> 27
['are', 'VBP']	: 27	['as', 'IN']	: 27	['.2', 'CD']	: 27
['type', 'NN']	: 26	['set', 'NN']	: 25	['an', 'DT']	: 24
['following', 'JJ']		['resource', 'NN']	: 21	['according', 'VBG']	
['resources', 'NNS']	: 21	['resource', 'NN'] ['rules', 'NNS']	: 20	['by', 'IN']	: 20
		['rc-nf2', 'NN']	: 19	['between', 'IN']	: 19
['', ':'] ['algorithm', 'NNP'] ['with', 'IN']	: 19	['s2', 'NNP']	: 18	['between', 'IN'] ['schema', 'NNP'] ['s1', 'CD']	: 18
['with', 'IN']	: 17	['it', 'PRP']	: 17	['s1', 'CD']	: 17
['not', 'RB']	: 17	['any', 'DT']	: 16	['.3', 'CD']	: 16
['into', 'IN']	: 15	['r1', 'NNP']	: 14	['different', 'JJ']	
['if', 'IN']	: 14	['11', 'NNP']	: 13	['new', 'JJ']	: 13
['networks', 'NNS']	: 13	['schemas', 'NNS']	: 12	['or', 'CC']	: 12
['links', 'NNS']	: 12	['all', 'DT']	: 12		
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['that', 'IN']	: 12	['some', 'DT']	: 11	['then', 'RB']	: 11
['12', 'NNP']	: 11	['11', 'CD']	: 10	['let', 'VB']	
['professor', 'NNP']		['shown', 'VBN']	: 10	['algorithm', 'VB']	
['r2', 'NNP']	: 10	['-rsb-', 'NNS']	: 10		
				['operation', 'NN']	: 9
['enables', 'VBZ']	: 9	['sub-schema', 'NN'] ['si', 'NNP']	: 9 : 9	['net', 'NN']	: 9 : 9
['lemma', 'NNS']	: 9 : 9 : 9	- · · · · -	: 9 : 9	['bottom', 'JJ']	: 9 : 9
	: 9 : 9	['rs2', 'NNP']		['which', 'WDT']	: 9 : 8
['under', 'IN']	: 9 : 8	['each', 'DT']	: 9	['model', 'NN']	
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['corresponding', 'JJ']	: 8	['sm', 'NNP']	: 8	['provides', 'VBZ']	: 8
['.10', 'CD']	: 8	['loss-less', 'JJ']	: 8	['therefore', 'RB']	: 7
['construct', 'VB']	: 7	['several', 'JJ']	: 7	['engagein', 'NN']	: 7
['theory', 'NN']	: 7	['definition', 'NNS']	: 7	['application', 'NN']	: 7
['one', 'CD']	: 7	['xml', 'NN']	: 7	['there', 'EX']	: 7
['relational', 'JJ']	: 7	['need', 'VBP']	: 7	<pre>['respectively', 'RB']</pre>	: 7
['rs1', 'NNP']	: 7	['lbi', 'NNP']	<b>:</b> 7	['publishedin', 'NN']	: 7
['student', 'NNP']	: 7	['readerof', 'NN']	: 6	['rdf', 'NNP']	: 6
['does', 'VBZ']	: 6	['three', 'CD']	: 6	['however', 'RB']	: 6
['reference', 'NN']	: 6	['at', 'IN']	: 6	['based', 'VBN']	: 6
['may', 'MD']	: 6	['compute', 'VB']	: 6	['has', 'VBZ']	: 6
['proof', 'NN']	: 6	['semantics', 'NNS']	: 6	['its', 'PRP\$']	: 6

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<pre>['operate', 'VB'] ['instances', 'NNS'] ['user', 'NN'] ['forms', 'NNS'] ['definition', 'NN']</pre>	: 6	<pre>['editorof', 'NN'] ['such', 'PDT'] ['s2', 'CD'] ['only', 'RB'] ['rs1', 'NN'] ['union', 'NN'] ['paper', 'NNP'] ['proceeding', 'NNP'] ['potential', 'JJ'] ['parts', 'NNS'] ['department', 'NNP']</pre>	: 6	['rbi', 'NNP']	: 6
['instances', 'NNS']	: 6	['such', 'PDT']	: 6	['relationships', 'NNS']	: 6
['user', 'NN']	: 6	['s2', 'CD']	: 6	['among', 'IN']	<b>:</b> 5
['forms', 'NNS']	<b>:</b> 5	['only', 'RB']	<b>:</b> 5	['among', 'IN'] ['rc-nf1', 'NN']	<b>:</b> 5
['definition', 'NN']	<b>:</b> 5	['rs1', 'NN']	<b>:</b> 5	['semantic', 'NNP']	<b>:</b> 5
['relation', 'NN']	<b>:</b> 5	['union', 'NN']	<b>:</b> 5	['decomposed', 'VBN']	
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['det'. 'VB']	• 5	['proceeding'. 'NNP']	• 5	['ri'. 'NNP']	
['clearly' 'RR']	• 5	['notential' '.T.T']	• 5	['ri', 'NNP'] ['find', 'VB']	• 5 • 5
['relation', 'NN'] ['them', 'PRP'] ['get', 'VB'] ['clearly', 'RB'] ['journal', 'NNP']	• 5	['parts' 'NNS']	• 5	<pre>['ri', 'NNP'] ['find', 'VB'] ['original', 'JJ']</pre>	• 5 • 5
[ Journal , NNI ]	. 5	[ donartment!   NND!]	• 5	['paper', 'NN']	• 5 • 5
['journal', 'NNP'] ['so', 'RB'] ['same', 'JJ'] ['cup', 'NNP'] ['database', 'NN'] ['set', 'VBD'] ['structure', 'NN']	. J	[ department , NNF ]	. J	['have', 'VBP'] ['complexity', 'NN'] ['called', 'VBN'] ['executed', 'VBN'] ['rule-constraint', 'JJ'] ['common', 'JJ']	. 5 : 5
[ Same , OO ]	. 5	[ DOOK , NNF ]	. J	[lasmalawitul   NNI ]	. 5 : 5
['Cup', 'NNP']	: 5	['sub-schema', 'NNP']	: 5	[.comblexità.'	: 5 : 4
['database', 'NN']	: 5	['SIX', 'CD']	: 4	['Called', 'VBN']	: 4
['set', 'VBD']	: 4	['involved', 'VBN']	: 4	['executed', 'VBN']	: 4
['structure', 'NN']	: 4	['follows', 'VBZ']	: 4	['rule-constraint', 'JJ']	: 4
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['than', 'IN']	: 4		• 4	['node', 'NN']	: 4
['course', 'NNP']	: 4	['join', 'NN'] ['let', 'NNP'] ['rs', 'NNP'] ['-rrb-', 'RB'] ['rt', 'VBN']	: 4	['classification', 'NN']	
['language', 'NNP']	: 4	['let', 'NNP']	: 4	['normal', 'JJ']	: 4
['vistingscholarof', 'NN']	: 4	['rs', 'NNP'] ['-rrb-', 'RB']	: 4	['part', 'NN'] ['next', 'JJ']	: 4
['efficient', 'JJ']	: 4	['-rrb-', 'RB']	: 4	['next', 'JJ']	: 4
['following', 'VBG']	: 4	['rt', 'VBN']	: 4	['easily', 'RB']	: 4
<pre>['than', 'IN'] ['course', 'NNP'] ['language', 'NNP'] ['vistingscholarof', 'NN'] ['efficient', 'JJ'] ['following', 'VBG'] ['that', 'DT'] ['example', 'NN'] ['query', 'NN'] ['duery', 'NN'] ['but', 'CC'] ['form', 'NNP']</pre>	: 4	['rsi', 'NN']	: 4	<pre>['easily', 'RB'] ['li', 'NNP'] ['algorithms', 'NNS'] ['partof', 'NN'] ['also', 'RB'] ['verify', 'VB'] ['basic', 'JJ'] ['up-closure', 'NN']</pre>	: 4
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['query', 'NN']	: 4	['.40', 'CD']	: 4	['partof', 'NN']	: 4
['but', 'CC']	: 4	['defines', 'VBZ']	: 4	['also', 'RB']	: 4
['form', 'NN']	: 4	['ls', 'NNP']	: 4	['verify', 'VB']	: 4
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Pdic:					
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ncept : ['NN']		semantic	: ['NNP',	'.T.T' 'NIN']	
resent : ['VB',	! \rangle 1	semantic	: ['VB']	00 , MM J	
	ADE ]	1,2	: ['CD']		
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results : ['NNS'] existing : ['JJ'] : ['NNS'] leads : ['VBZ'] proposition query consists : ['VBZ'] : ['VBZ', 'NN'] : ['NN', 'VBZ'] integrity : ['NN'] reasoning localized : ['JJ'] relationships : ['NNS'] : ['NN'] certainly : ['RB'] content frame-work : ['NNP'] : ['NN'] graph -11-

The time_reprogrammeon poorez_relation	***************************************			T.71 10 H 0:11
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segment
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                                                                                   : ['NNP']
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repeatedly
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                                                                                   : ['NNP']
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                     : ['JJ', 'NN']
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                                                                                   : ['VBN']
knowledge
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                                                             dividing
                                                                                   : ['VBG']
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rich	: ['JJ']	indeed : ['RB']	
constant	: ['JJ']	<pre>interested : ['JJ']</pre>	
do	: ['VBP']	get : ['VB', 'VBP']	
rt.	: ['VBN']	define : ['VB']	
attenantof	: ['NN']	ones : ['NNS']	
rt1	: ['JJ']	rt2 : ['NNP']	
loss-less	: ['NNS', 'JJ']	lossless : ['JJ']	
closure	: ['NN']	resource : ['NN', 'NNP', 'JJ']	
subschema	: ['NN']	course : ['NNP']	
remove	: ['VB', 'NNP']	patch : ['NN']	
common	: ['JJ']	implication : ['VB']	
cycles	: ['NNS']	where : ['WRB']	
set	: ['NN', 'VBN', 'VBD']	exists : ['VBZ']	
takepartin	: ['NN']	authorof : ['NN']	
up-closure	: ['NN']	closures : ['NNS']	
relative	: ['JJ', 'NN']	depends : ['VBZ']	
are	: ['VBP']	-rsb- : ['NNS', 'CD', 'NN', 'NNP']	
publishedin	: ['VB', 'NN', 'VBN']	creating : ['VBG']	
satisfying	: ['VBG']	consistency : ['NN']	
ways	: ['NNS']	-rcb- : ['-RRB-']	
connective	: ['JJ']	symmetric : ['JJ']	
enough	: ['JJ']	smallest : ['JJS']	
various	: ['JJ']	closed : ['JJ', 'VBN']	
between	: ['IN']	approach : ['NN']	
available	: ['JJ']	we : ['PRP']	
terms	: ['NNS']	ability : ['NN']	
web	: ['NNP', 'NN']	weak : ['JJ']	
ld	: ['NNP']	however : ['RB']	
efficiency	: ['NN']	27 : ['CD']	
holds	: ['VBZ']	both : ['DT', 'CC']	
many	: ['JJ']	cup : ['NNP']	
according	: ['VBG']	called : ['VBN']	
deduction	: ['NN', 'NNS']	attributes : ['NNS']	
mean	: ['VB']	whole : ['NN', 'JJ']	
finds	: ['VBZ']	machine-understandable: ['JJ']	
otherwise	: ['RB']	among : ['IN']	
relevant	: ['JJ']	regulated : ['VBN']	
moreover	: ['RB']	li : ['NNP']	
conference	: ['NNP', 'NN']	better : ['JJR', 'RB']	
i.e.	: ['FW']	raise : ['VB']	
basis	: ['NN']	union : ['NNP', 'NN']	
create	: ['VB']	-rrb- : ['-RRB-', 'VBZ', 'RB']	
three	: ['CD']	been : ['VBN']	
defined	: ['VBN', 'NNP']	reduction : ['NN']	
much	: ['RB']	leaderof : ['NN']	
	. [ 1(1) ]	• [ 111 ]	

1.11 II.D_Typrogrammechpsetor	_relation/wirequence/wir 100013.txt		2010年7月10日 5.44
basic	: ['JJ']	applying	: ['VBG']
ontologies	: ['JJ']	belongto	: ['NN']
fig	: ['VB', 'NNP']	field	: ['NN', 'NNP']
linktypes	: ['NNP', 'NNS']	rather	: ['RB']
corresponding	: ['JJ']	new	: ['JJ']
else	: ['RB']	relevance	: ['NN']
sub-shcema	: ['JJ']	c0	: ['NNP']
those	: ['DT']	case	: ['NN']
developing	: ['VBG']	these	: ['DT']
as	: ['IN', 'RB']	choices	: ['NNS']
will	: ['MD']	complexity	: ['NN']
while	: ['IN']	rbi	: ['NNP']
32	: ['CD']	sjp	: ['NNP']
sub-schema	: ['NN', 'JJ', 'NNP']	coupled	: ['JJ']
enriching		is	: ['VBZ']
	: ['VBG']		
thus	: ['RB']	them	: ['PRP']
equal	: ['JJ']	lbi	: ['NNP']
experts	: ['NNS']	rik	: ['NNP']
triple	: ['NN', 'JJ']	in	: ['IN']
if	: ['IN']	different	: ['JJ']
develop	: ['VB']	unite	: ['VB']
clearly	: ['RB']	complex	: ['JJ']
soundness	: ['NN']	several	: ['JJ']
higher	: ['JJR']	swrl	: ['NNP']
independent	: ['JJ']	ri2	: ['NNP']
ri1	: ['NNP']	edges	: ['NNS']
user	: ['NN']	characters	: ['NNS']
samefield	: ['NN', 'JJ']	six	: ['CD']
cycle	: ['NN']	least	: ['JJS']
database	: ['NN']	markup	: ['NNP', 'NN']
extensible	: ['NNP']	components	: ['NNS']
sets	: ['VBZ', 'NNS']	firstly	: ['VBP']
model	: ['NN']	proposed	: ['VBN', 'JJ']
www.ruleml.org	: ['VBG']	obtain	: ['VB']
proposes	: ['VBZ']	regulates	: ['VBZ']
atomic	: ['JJ']	immediately	: ['RB']
yes	: ['RB', 'UH']	previous	: ['JJ']
tables	: ['NNS']	intersection	: ['VB', 'NN']
instance	: ['NN']	regarded	: ['VBN']
quaranteed	: ['VBN']	parts	: ['NNS']
add	: ['VBP']	potential	: ['JJ']
combine	: ['VB']	easy	: ['NNP', 'JJ']
theorem	: ['VB', 'NN', 'NNP']	prominently	: ['RB']
31	: ['CD']	has	: ['VBZ']
identical	: ['JJ']	• • •	: [':', '.']
aspects	: ['NNS']	1'	: ['NNP']
rules	: ['NNS', 'NNP', 'NNPS']	decomposed	: ['VBN']
possible	: ['JJ']	using	: ['VBG']
unique	: ['JJ']	rc-nf1	: ['NN', 'NNP', 'JJ']
unitque	. [ 00 ]	TC IIII	· [ 1414 / 14141 / 00 ]

```
formal
                                                                                   : ['JJ']
advanced
                     : ['JJ']
s1.d
                                                              s1.b
                      : ['NNS']
                                                                                   : ['NNS']
supervisorof
                                                              s1.a
                      : ['NN']
                                                                                   : ['NNS']
follows
                      : ['VBZ', 'JJ']
                                                              redundancy
                                                                                   : ['NN', 'VB', 'JJ']
loses
                     : ['VBZ']
                                                              consensus
                                                                                   : ['NN']
continue
                      : ['VB']
                                                                                   : ['NN']
                                                             engagein
                                                              reduced
sparse
                      : ['JJ']
                                                                                   : ['VBN']
amendment
                      : ['NN']
                                                             because
                                                                                   : ['IN']
methods
                     : ['NNS']
                                                             deal
                                                                                   : ['VB']
sequence
                      : ['NN']
                                                             arrows
                                                                                   : ['NNS']
some
                      : ['DT']
                                                             instantiating
                                                                                   : ['VBG']
examples
                     : ['NNS']
                                                              table
                                                                                   : ['NNP']
images
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                                                             kinds
                                                                                   : ['NNS']
users
                     : ['NNS']
                                                              facing
                                                                                   : ['VBG']
scale
                      : ['NN']
                                                             proceeding
                                                                                   : ['NNP']
for
                     : ['IN']
                                                              rdfs
                                                                                   : ['NNP', 'NNS']
demonstrates
                     : ['VBZ']
                                                             avoid
                                                                                   : ['VB']
www.knowledgegrid.net/~h.zhuge/sln.htm: ['NN']
                                                                                                       : ['VBZ']
                                                                                 does
decomposition
                     : ['VBZ', 'NN']
                                                             provides
                                                                                   : ['VBZ']
steps
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                                                              semantically
                                                                                   : ['RB']
be
                      : ['VB']
                                                              deleted
                                                                                   : ['JJ']
                      : ['NNP']
iournal
                                                             each
                                                                                   : ['DT']
bi
                     : ['NN']
                                                                                   : ['NN']
                                                              step
s1.c
                      : ['NNS']
                                                             ontology
                                                                                   : ['NNP', 'JJ']
by
                      : ['IN']
                                                                                   : ['IN']
                                                             on
carried
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                                                                                   : ['NN']
constraint
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                                                                                   : ['IN']
theorems
                      : ['NNP']
                                                              compatible
                                                                                   : ['VB']
1 e
                      : ['NNP']
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                                                                                   : ['CD']
ensure
                     : ['VB']
                                                             extension
                                                                                   : ['NNP', 'NN']
transitive
                     : ['JJ']
                                                             other
                                                                                   : ['JJ']
software
                     : ['NN']
                                                              specifies
                                                                                   : ['VBZ']
student
                                                             into
                     : ['NNP']
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within
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                                                                                   : ['NNS']
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references
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                                                                                   : ['VBP', 'VB']
s.t.
                     : ['NN']
                                                              reducina
                                                                                   : ['VBG']
                                                              significantly
partof
                                                                                   : ['RB']
                     : ['NN']
logics
                                                             inserted
                      : ['NNS']
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support
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                                                                                   : ['EX']
class
                      : ['NN']
                                                              start
                                                                                   : ['NN']
editor
                     : ['NN']
                                                             wav
                                                                                   : ['NN']
suit
                                                              .1
                                                                                   : ['CD', 'NNP']
                      : ['VB']
. 2
                      : ['CD']
                                                              .3
                                                                                   : ['CD']
sections
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                                                                                   : ['NN']
vistingscholarof
                     : ['NN']
                                                             blueprint
                                                                                   : ['NN']
                     : ['VB', 'NN', 'NNP']
                                                              rsbi
                                                                                   : ['NNS', 'JJ', 'NNP']
form
but
                     : ['CC']
                                                              construction
                                                                                   : ['NN']
                                                             rule34
link
                     : ['NNP', 'NN', 'VB']
                                                                                   : ['NNS']
-lrb-
                      : ['-LRB-']
                                                              removed
                                                                                   : ['VBN']
```

with	: ['IN', 'RP']	directed	: ['JJ']
also	: ['RB']	rsi2	: ['NNP']
sub-schemas	: ['NNS', 'NNP', 'JJ']	rsi1	: ['NNP']
shrunk	: ['VBN']	up	: ['RP']
abstract	: ['JJ']	subschemas	: ['NNS']
problem	: ['NN']	pm	: ['NNP']
average	: ['NN']	delete	: ['VB']
replacing	: ['VBG']	classic	: ['JJ']
object-attribute	e-value: ['JJ']	certain	: ['JJ']
universal	: ['JJ']	describe	: ['VB']
textbook	: ['NN']	an	: ['DT']
meanwhile	: ['RB']	single	: ['JJ']
exist	: ['VB']	at	: ['IN']
ing	: ['NN']	check	: ['VB']
constructed	: ['VBN']	compared	: ['VBN']
-lcb-	: ['-LRB-']	no	: ['DT', 'UH', 'RB']
when	: ['WRB']	rewriting	: ['VBG']
application	: ['NN']	book	: ['NNP']
appending	: ['VBG']	department	: ['NNP']
2dk	: ['NNS']	revision	: ['NNP', 'NN']
node	: ['NN']	repeat	: ['VB']
denote	: ['VB', 'RB']	studyin	: ['NN']
models	: ['NNS']	problems	: ['NNS']
sc-nf2	: ['NN']	variation	: ['NN']
a.	: ['NNP']	deriving	: ['VBG']
meaning	: ['NN']	important	: ['JJ']
describing	: ['VBG']	disjunction	: ['NN']
structure	: ['NN']	org/xml	: ['PRP']
building	: ['VBG']	focused	: ['VBN']
lead	: ['VB']	algorithm	: ['NN', 'VB', 'NNP']
assume	: ['VBP', 'VB']	bottom	: ['JJ', 'NN']
rule	: ['NNP', 'NN', 'VB']	12	: ['CD']
original	: ['JJ']		