f0009:

W Fdic:							
the	: 344	semantic	: 207	and	: 155	of	: 144
minimum	: 106	link	: 106	to	: 104	is	: 100
cpsocio-sln	: 95	links	: 90	-rcb-	: 90	-lcb-	: 89
-lrb-	: 88	-rrb-	: 88	in	: 81	set	: 66
be	: 65	cover	: 55	can	: 53	graph	: 48
spanning	: 47	operations	: 40	that	: 39	are	: 38
closure	: 33	not	: 32	for	: 32	e2	: 31
we	: 31	on	: 31	reasoning	: 29	if	: 29
by	: 27	this	: 26	-lsb-	: 25	-rsb-	: 25
adding	: 25	new	: 24	should	: 24	basic	: 24
as	: 23	e1	: 22	e3	: 22	hence	: 22
operation	: 21	e5	: 21	resources	: 20	deleting	: 20
out	: 19	it	: 19	nodes	: 18	from	: 18
e4	: 18	characteristic	: 18	all	: 16	between	: 16
inter-resource	: 16	has	: 16	's	: 16	there	: 16
e10	: 15	maintenance	: 15	algorithm	: 15		: 14
e10 e11	: 14	two	: 14	=	: 14	every based	: 14
add	: 14	delete	: 14	space	: 14	other	: 14
	: 14	its	: 14	an then	: 14		: 14
following	: 13	after	: 13	node	: 13	one inter-attribute	: 13
evolution							
may	: 12	will	: 12	figure	: 11	process	: 11
network	: 11	have	: 11	any	: 11	also	: 11
deleted	: 11	physical	: 11	important	: 11	cyber	: 10
change	: 10	derived	: 10	?rst	: 10	e6	: 10
these	: 10	sln	: 10	same	: 10	rule	: 10
original	: 10	through	: 9	society	: 9	e7	: 9
which	: 9	attributes	: 9	rules	: 9	or	: 9
because	: 9	was	: 9	no	: 9	g1	: 8
web	: 8	addnode	: 8	e9	: 8	relation	: 8
must	: 8	de?nition	: 8	e12	: 8	cp-society	: 8
conformation	: 8	but	: 8	with	: 8	time	: 8
query	: 7	they	: 7	ek	: 7	e8	: 7
reasoned	: 7	semantics	: 7	determined	: 7	includes	: 7
added	: 7	graphs	: 7	circulation	: 7	relational	: 7
according	: 7	theorem	: 7	?nd	: 7	environment	: 6
networks	: 6	use	: 6	such	: 6	complexity	: 6
since	: 6	е.	: 6	reason	: 6	determining	: 6
their	: 6	were	: 6	addlink	: 6	only	: 6
strategy	: 6	characteristics	: 6	know	: 6	sequence	: 6
does	: 6	update	: 6	calculate	: 5	dellink	: 5
rdf	: 5	ontology	: 5	means	: 5	example	: 5
e.g.	: 5	high	: 5	shows	: 5	another	: 5
relations	: 5	do	: 5	been	: 5	proposed	: 5
unique	: 5	input	: 5	world	: 5	some	: 5
equivalent	: 5	subgraph	: 5	storage	: 5	structure	: 5
relationships	: 4	include	: 4	form	: 4	cost	: 4

1.1FII.D_Nprogram.Echpselor	L_relation(wireque)	ICE/VVF1 10009.LXL					
more	: 4	information	: 4	into	: 4	used	: 4
shown	: 4	given	: 4	isolated	: 4	take	: 4
d2	: 4	d1	: 4	q.	: 4	approach	: 4
humans	: 4	nature	: 4	various	: 4	newaddlink	: 4
importance	: 4	in?uence	: 4	delnode	: 4	socio	: 4
different	: 4	things	: 4	се	: 4	step	: 4
output	: 4	called	: 4	generating	: 4	users	: 4
a.	: 4	n1	: 4	n2	: 4	represent	: 3
leads	: 3	go	: 3	condition	: 3	among	: 3
what	: 3	social	: 3	m.	: 3	attribute	: 3
needs	: 3	how	: 3	transforming	: 3	types	: 3
third	: 3	element	: 3	mental	: 3	series	: 3
static	: 3	completeness	: 3	dynamicity	: 3	uses	: 3
rank	: 3	ef?cient	: 3	way	: 3	most	: 3
future	: 3	xml	: 3	addrule	: 3	implies	: 3
ability	: 3	both	: 3	hyperlink	: 3	empty	: 3
changed	: 3	find	: 3	ef?ciently	: 3	changes	: 3
when	: 3	obtain	: 3	delrule	: 3	intersection	: 3
save	: 3	interconnection	: 3		: 3	checking	: 3
follows	: 3	ruleid	: 3	discussed	: 3	introduced	: 3
pair	: 3	transform	. 3 : 3	check	: 3	cpsocio	: 3
dynamic	: 2	issues	• 3 • 2	helps	: 2	stable	: 2
very	: 2	g.	: 2	paternity	: 2	method	: 2 : 2
million	: 2	y. human	: 2	modify	: 2	equals	: 2
understanding	: 2	let	: 2	represented	: 2 : 2	knowledge	. 2 : 2
obtained	: 2 : 2	study	: 2	usually	: 2	studies	: 2 : 2
	: 2		: 2	until	: 2	brings	
emerge ef?ciency	: 2	analyzing proof	: 2	want	: 2	provide	: 2 : 2
<u>=</u>	: 2 : 2	_	: 2	holds		help	: 2 : 2
six	: 2	maintain	: 2 : 2				
paper		24		machine	: 2	cpsocio-slns	: 2
them	: 2	worlds	: 2	term	: 2	found	: 2
related	: 2	in?uences	: 2	research	: 2	model	: 2
advantages	: 2	already	: 2	gmin	: 2	number	: 2
instances	: 2	indicate	: 2	system	: 2	too	: 2
relationship	: 2	part	: 2	10	: 2	16	: 2
distinguished	: 2	behaviors	: 2	need	: 2	identi?cation	: 2
satis?es	: 2	class	: 2	orderly	: 2	inconsistent	: 2
d3	: 2	updating	: 2	merged	: 2	get	: 2
roles	: 2	view	: 2	managing	: 2	conditions	: 2
ends	: 2	many	: 2	expression	: 2	simple	: 2
second	: 2	three	: 2	representative	: 2	value	: 2
result	: 2	complex	: 2	several	: 2	rfid	: 2
effect	: 2	thought	: 2	sets	: 2	using	: 2
previous	: 2	regard	: 2	community	: 2	proper	: 2
determine	: 2	support	: 2	describes	: 2	operating	: 2
storing	: 2	describe	: 2	covers	: 2	corresponding	: 2
exist	: 2	sl	: 2	virtual	: 2	calculating	: 2
assume	: 2	neighbors	: 1	limited	: 1	getclosure	: 1
existing	: 1	gn	: 1	saved	: 1	compose	: 1

1.1FII.D_T\program\ccipse\cc_ie	siation(vvii equen	CENVEL 10003-TY					
updated	: 1	g2	: 1	orthogonal	: 1	disjoin	: 1
emphasizes	: 1	difference	: 1	entire	: 1	solves	: 1
brother	: 1	large	: 1	convenience	: 1	small	: 1
assimilates	: 1	smaller	: 1	consistent	: 1	discover	: 1
rate	: 1	link-based	: 1	implemented	: 1	giving	: 1
selected	: 1	self-adaptive	: 1	gi	: 1	above	: 1
net	: 1	metadata	: 1	satisfy	: 1	evolving	: 1
notions	: 1	exchange	: 1	join	: 1	www.w3.org/xml	: 1
here	: 1	deletenode	: 1	studied	: 1	queue	: 1
ontology-change	: 1	re?ect	: 1	useful	: 1	modifying	: 1
put	: 1	addressed	: 1	conjoint	: 1	tools	: 1
manipulate	: 1	languages	: 1	answered	: 1	browse	: 1
call	: 1	sharing	: 1	initiated	: 1	operators	: 1
carrying	: 1	capturing	: 1	evolves	: 1	coexist	: 1
labeled	: 1	harmonious	: 1	arcni	: 1	concepts	: 1
strategies	: 1	give	: 1	ecological	: 1	end	: 1
orthogonality	: 1	unites	: 1	S.	: 1	adjacent	: 1
answer	: 1	instead	: 1	explains	: 1	product	: 1
arcr	: 1	earlier	: 1	waves	: 1	meaningful	: 1
natural	: 1	investigates	: 1	light	: 1	so	: 1
keeps	: 1	re-maintaining	: 1	order	: 1	pointed	: 1
mainly	: 1	www.w3.org/2004/owl	/: 1	mentioned	: 1	existence	: 1
still	: 1	before	: 1	20	: 1	22	: 1
23	: 1	interesting	: 1	top-k	: 1	actually	: 1
estimating	: 1	parts	: 1	pervade	: 1	life-form	: 1
animal	: 1	views	: 1	cek	: 1	introduce	: 1
socio-natural	: 1	effects	: 1	compound	: 1	now	: 1
realize	: 1	maintaining	: 1	successor	: 1	hereafter	: 1
intelligent	: 1	establishing	: 1	merge	: 1	reasonable	: 1
each	: 1	friendship	: 1	em	: 1	domain	: 1
ei	: 1	connect	: 1	reached	: 1	assumption	: 1
event	: 1	internet	: 1	cause	: 1	theory	: 1
maintains	: 1	mechanisms	: 1	possibility	: 1	beginning	: 1
interaction	: 1	could	: 1	iterative	: 1	keep	: 1
conducted	: 1	place	: 1	incorporated	: 1	first	: 1
simplifying	: 1	carry	: 1	impossible	: 1	open	: 1
priority	: 1	annotated	: 1	service	: 1	data	: 1
anyone	: 1	friend	: 1	simulate	: 1	than	: 1
11	: 1	13	: 1	12	: 1	15	: 1
14	: 1	17	: 1	19	: 1	18	: 1
imply	: 1	recording	: 1	matter	: 1	store	: 1
classi?ed	: 1	browser	: 1	motivation	: 1	unchanged	: 1
randomly	: 1	say	: 1	www.w3.org/rdf	: 1	recover	: 1
relatively	: 1	attribute-based	: 1	built	: 1	latter	: 1
note	: 1	ideal	: 1	deletelinkupdate	: 1	peer-to-peer	: 1
worldwide	: 1	play	: 1	multiple	: 1	object	: 1
satisfying	: 1	connected	: 1	services	: 1	capacity	: 1
intrinsic	: 1	operate	: 1	originaladdlink	: 1	sometimes	: 1
re?ecting	: 1	text	: 1	obtains	: 1	bring	: 1

	•						
radio	: 1	ereasoning	: 1	e14	: 1	cross-platform	: 1
explicitly	: 1	hypertext	: 1	predecessor	: 1	handle	: 1
overall	: 1	determines	: 1	areas	: 1	resource	: 1
remove	: 1	investigate	: 1	common	: 1	queries	: 1
where	: 1	questions	: 1	exists	: 1	see	: 1
philosophy	: 1	detect	: 1	on-demand	: 1	visiting	: 1
smallest	: 1	routing	: 1	discovery	: 1	deletions	: 1
never	: 1	terms	: 1	extend	: 1	missing	: 1
component	: 1	however	: 1	p2p	: 1	suggested	: 1
self-organizing	: 1	minds	: 1	otherwise	: 1	large-scale	: 1
had	: 1	environments	: 1	simply	: 1	sequences	: 1
described	: 1	addition	: 1	create	: 1	much	: 1
waste	: 1	life	: 1	enable	: 1	versa	: 1
self-organized	: 1	formed	: 1	else	: 1	modi?ed	: 1
deepen	: 1	general	: 1	former	: 1	applied	: 1
re?ects	: 1	developing	: 1	characterizing	: 1	enriching	: 1
equal	: 1	itself	: 1	triple	: 1	make	: 1
clearly	: 1	emphasize	: 1	deletion	: 1	development	: 1
evolve	: 1	extended	: 1	reversion	: 1	levels	: 1
purpose	: 1	build	: 1	tracking	: 1	older	: 1
builder	: 1	variety	: 1	analysis	: 1	obviously	: 1
person	: 1	directly	: 1	costs	: 1	less	: 1
stored	: 1	atomic	: 1	yet	: 1	regarded	: 1
point	: 1	initialize	: 1	except	: 1	transformed	: 1
addrules	: 1	easily	: 1	execute	: 1	early	: 1
grid	: 1	background	: 1	execution	: 1	harmoniously	: 1
necessary	: 1	agents	: 1	essential	: 1	ecology	: 1
understand	: 1	easy	: 1	economic	: 1	recognition	: 1
gradually	: 1	redo	: 1	extensively	: 1	select	: 1
assuming	: 1	?ows	: 1	chains	: 1	core	: 1
communicate	: 1	expansion	: 1	i.e.	: 1	refers	: 1
about	: 1	eco-grid	: 1	people	: 1	meaning	: 1
union	: 1	automatically	: 1	owl	: 1	inclusion	: 1
image	: 1	due	: 1	appropriate	: 1	additions	: 1
quickly	: 1	networking	: 1	log	: 1	queried	: 1
long	: 1	terminates	: 1	function	: 1	complete	: 1
differences	: 1	younger	: 1	speci?es	: 1	understandable	: 1
removed	: 1	versatile	: 1	places	: 1	whether	: 1
radio-frequency	: 1	record	: 1	growth	: 1	represents	: 1
suf?cient	: 1	problem	: 1	etc.	: 1	proved	: 1
consanguinity	: 1	universal	: 1	initial	: 1	at	: 1
compared	: 1	role	: 1	conclusion	: 1	ecosystem	: 1
kinds	: 1	generated	: 1	aggregated	: 1	building	: 1
markup	: 1	designers	: 1	lead	: 1	vice	: 1
age	: 1	implied	: 1	demonstrates	: 1	determination	: 1

WP_Fdic:
['the', 'DT'] : 344 ['semantic', 'JJ'] : 194 ['and', 'CC'] : 153

F:\Pn.D_1\program\Eclipse\CE_relation\wirequence\wi	PF10009.txt				2016年7月18日 9:43
['of', 'IN'] ['link', 'NN'] ['-rrb-', '-RRB-'] ['-lcb-', '-LRB-'] ['cover', 'NN'] ['set', 'NN'] ['are', 'VBP'] ['not', 'RB'] ['on', 'IN'] ['spanning', 'JJ'] ['adding', 'VBG'] ['hence', 'RB'] ['it', 'PRP'] ['from', 'IN'] ['out', 'RP'] ['spanning', 'VBG'] ["'s", 'POS'] ['an', 'DT'] ['space', 'NN'] ['after', 'IN'] ['then', 'RB'] ['all', 'DT'] ['may', 'MD'] ['node', 'NNP'] ['also', 'RB'] ['these', 'DT'] ['deleted', 'VBN'] ['or', 'CC'] ['no', 'DT'] ['notwork', 'NN'] ['was', 'VBD'] ['rules', 'NNS'] ['e4', 'NNS'] ['g1', 'NNP'] ['must', 'MD'] ['conformation', 'NN'] ['addnode', 'NNP'] ['includes', 'VBZ'] ['semantics', 'NNS'] ['de?nition', 'NN']	: 144	['to', 'TO']	: 103	['is', 'VBZ'] ['-lrb-', '-LRB-'] ['-rcb-', '-RRB-'] ['be', 'VB'] ['graph', 'NN'] ['cpsocio-sln', 'NN'] ['for', 'IN'] ['closure', 'NN'] ['reasoning', 'NN'] ['new', 'JJ'] ['as', 'IN'] ['that', 'WDT'] ['that', 'WDT'] ['that', 'IN'] ['nodes', 'NNS'] ['inter-resource', 'JJ'] ['has', 'VBZ'] ['e2', 'NNP'] ['based', 'VBN'] ['every', 'DT'] ['evolution', 'NN'] ['will', 'MD'] ['inter-attribute', 'JJ'] ['set', 'VBN'] ['important', 'JJ'] ['any', 'DT'] ['one', 'CD'] ['same', 'JJ'] ['sln', 'NNP'] ['e5', 'NNS'] ['through', 'IN'] ['cpsocio-sln', 'JJ'] ['attributes', 'NNS'] ['semantic', 'NNP'] ['time', 'NN'] ['-lsb-', 'NNP'] ['e10', 'NNS'] ['determined', 'VBN'] ['have', 'VB'] ['algorithm', 'NNP'] ['?nd', 'VB'] ['ek', 'NN']	: 100
['link', 'NN']	: 100	['links', 'NNS']	: 88	['-lrb-', '-LRB-']	: 88
['-rrb-', '-RRB-']	: 87	['minimum', 'JJ']	: 86	['-rcb-', '-RRB-']	: 86
['-lcb-', '-LRB-']	: 85	['in', 'IN']	: 80	['be', 'VB']	: 65
['cover', 'NN']	: 53	['can', 'MD']	: 53	['graph', 'NN']	: 48
['set', 'NN']	: 48	['cpsocio-sln', 'NNP']	: 46	['cpsocio-sln', 'NN']	: 39
['are', 'VBP']	: 38	['operations', 'NNS']	: 38	['for', 'IN']	: 32
['not', 'RB']	: 32	['we', 'PRP']	: 31	['closure', 'NN']	: 31
['on', 'IN']	: 31	['if', 'IN']	: 29	['reasoning', 'NN']	: 28
['bv', 'IN']	: 27	['this', 'DT']	: 26	['should', 'MD']	: 24
['spanning', 'JJ']	: 24	['basic', 'JJ']	: 24	['new', 'JJ']	: 23
['adding', 'VBG']	: 22	['operation'. 'NN']	: 21	['as', 'TN']	: 21
['hence'. 'RB']	• 21	['resources'. 'NNS']	• 20	['that'. 'WDT']	• 19
['i+', 'PRP']	• 19	['-rsh-'-'NNS']	· 19	['that', 'IN']	• 19
['from' 'TN']	• 18	['minimum' 'NN']	• 18	['nodes' 'NNS']	• 18
['Out' 'RP']	• 18	['hetween' 'TN']	• 16	[!inter-resource! !.T.T!]	• 16
['spanning' 'VBG']	• 16	[!there! !EX!]	• 16	['has' 'VRZ']	• 16
["'a" 'DOG']	• 15	['deleting' 'VRC']	• 15	[163 , VD2]	· 10
	• 1 <i>J</i>	[defecting , vbg]	• 1 <i>J</i>	[ez , NNI]	• 14 • 1 <i>1</i>
[lanacol INNI]	. 14	[lothor! !III]	. 14	[based , VBN]	• 14 • 1/
[Space , NN]	. 14	[Other , OO]	. 14	[every , Di]	• 14 • 10
[arter , IN]	. 13	[103 , EREY]	. 10	[evolution , NN]	. 10
['then', 'KB']	. 13	[lebarastaristic INNI]	. 12	['WIII', 'MD']	: 12
['all', 'Dl']	. 12	['Characteristic', 'NN']	: 12	['Inter-actribute', 'OO']	: 12
['May', 'MD']	; 12 . 11	['ez', 'NNS']	: 12	['Set', 'VBN']	: 12 - 11
['node', 'NN']	: 11	['maintenance', 'NN']	: 11	['important', 'JJ']	: 11
['el', 'NNP']	: 11	['process', 'NN']	: 11	['any', 'DT']	: 11
['also', 'RB']	: 11	['delete', 'VB']	: 10	['one', 'CD']	: 10
['tnese', 'DT']	: 10	['derived', 'VBN']	: 10	['same', 'JJ']	: 10
['deleted', 'VBN']	: 10	['add', 'VB']	: 10	['sin', 'NNP']	: 9
['or', 'CC']	: 9	['Which', 'WD'I']	: 9	['e5', 'NNS']	: 9
['no', 'DT']	: 9	['following', 'VBG']	: 9	['through', 'IN']	: 9
['network', 'NN']	: 9	['original', 'JJ']	: 9	['cpsocio-sln', 'JJ']	: 9
['was', 'VBD']	: 9	['rule', 'NN']	: 9	['attributes', 'NNS']	: 8
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['e4', 'NNS']	: 8	['but', 'CC']	: 8	['time', 'NN']	: 8
['g1', 'NNP']	: 8	['-lsb-', 'CD']	: 8	['-lsb-', 'NNP']	: 8
['must', 'MD']	: 8	['graphs', 'NNS']	: 7	['e10', 'NNS']	: 7
['conformation', 'NN']	: 7	['added', 'VBN']	: 7	['determined', 'VBN']	: 7
['addnode', 'NNP']	: 7	['algorithm', 'NN']	: 7	['have', 'VB']	: 7
['includes', 'VBZ']	: 7	['society', 'NN']	: 7	['algorithm', 'NNP']	: 7
['semantics', 'NNS']	: 7	['they', 'PRP']	: 7	['?nd', 'VB']	: 7
['de?nition', 'NN']	: 7	['according', 'VBG']	: 7	['ek', 'NN']	: 7
['circulation', 'NN']	: 7	['figure', 'NN']	: 6	['were', 'VBD']	: 6
['characteristics', 'NNS']	: 6	['such', 'JJ']	: 6	['since', 'IN']	: 6
['does', 'VBZ']	: 6	['reasoned', 'VBN']	: 6	['their', 'PRP\$']	: 6
['relation', 'NN']	: 6	['e1', 'NNS']	: 6	['e9', 'NNS']	: 6
['e11', 'NNS']	: 6	['e6', 'NNS']	: 6	['strategy', 'NN']	: 6
['theorem', 'NN']	: 6	['relational', 'JJ']	: 6	['environment', 'NN']	: 6
['only', 'RB']	: 6	['networks', 'NNS']	: 6	['complexity', 'NN']	: 6

1./Fil.D_hprogram/Lchpse/or_relation/wirequence					2010年7月10日 9.43
<pre>['e7', 'NNS'] ['determining', 'JJ'] ['calculate', 'VB'] ['structure', 'NN']</pre>	: 5	<pre>['semantic', 'NN'] ['rdf', 'NNP'] ['physical', 'NNP'] ['web', 'NN'] ['cp-society', 'NNP']</pre>	: 5	<pre>['know', 'VB'] ['high', 'JJ'] ['proposed', 'VBN'] ['cyber', 'NNP'] ['been', 'VBN'] ['means', 'VBZ'] ['example', 'NN'] ['reason', 'VB']</pre>	: 5
['determining', 'JJ']	: 5	['rdf', 'NNP']	: 5	['high', 'JJ']	: 5
['calculate', 'VB']	: 5	['physical', 'NNP']	: 5	['proposed', 'VBN']	: 5
['structure', 'NN']	: 5	['web', 'NN']	: 5	['cyber', 'NNP']	: 5
['another' 'DT']	• 5	['cn-society' 'NNP']	• 5	['heen' 'VBN']	• 5
['nhyeical' 'JT']	. 5	['sequence' 'NN']	• 5	['meane' 'VR7']	• 5
[physical , oo]	. 5	[sequence , NN]	. 5	[lovample! INN!]	• 5
[WOLIG , NN]	. J	[SOME , DI]	. 5	[example , NN]	. 5 : 5
[Subgraph , NN]	: 5	['Storage', 'NN']	: 5	,	• •
<pre>['structure', 'NN'] ['another', 'DT'] ['physical', 'JJ'] ['world', 'NN'] ['subgraph', 'NN'] ['change', 'VB'] ['e.', 'NN'] ['addlink', 'NNP']</pre>	: 5	['sequence', 'NN'] ['some', 'DT'] ['storage', 'NN'] ['because', 'IN'] ['characteristic', 'NNP']	: 5	['e12', 'NNS']	: 5
['e.', 'NN']	: 5	['cnaracteristic', 'NNP']	: 5	['unique', 'JJ']	: 5
['addlink', 'NNP']	: 5	['shows', 'VBZ']	: 5	['given', 'VBN']	: 4
['cost', 'NN']	: 4	['called', 'VBN']	: 4	['?rst', 'NN']	: 4
['set', 'VBD']	: 4	['shown', 'VBN']	: 4	['nature', 'NN']	: 4
['?rst', 'JJ']	: 4	['ce', 'NNP']	: 4	['figure', 'NNP']	: 4
['addlink', 'NNP'] ['cost', 'NN'] ['set', 'VBD'] ['?rst', 'JJ'] ['equivalent', 'NN'] ['input', 'NNP'] ['-lcb-', 'NNP']	: 4	['cnaracteristic', 'NNP'] ['shows', 'VBZ'] ['called', 'VBN'] ['shown', 'VBN'] ['ce', 'NNP'] ['information', 'NN'] ['a.', 'NN'] ['a.', 'NNS']	: 4	['used', 'VBN']	: 4
['input', 'NNP']	: 4	['a.', 'NN']	: 4	['things', 'NNS']	: 4
['-lcb-', 'NNP']	: 4	['relations', 'NNS']	: 4	['link', 'NNP']	: 4
['because', 'RB'] ['query', 'NN'] ['various', 'JJ'] ['add', 'VBP'] ['-lsb-', 'VBG'] ['following', 'JJ']	: 4	['importance', 'NN']	: 4	['q.', 'NNP'] ['q.', 'NNP'] ['delete', 'VBP'] ['cyber', 'NN'] ['newaddlink', 'NNP'] ['e3', 'NNP'] ['have', 'VBP']	: 4
['querv', 'NN']	: 4	['humans', 'NNS']	: 4	['delete', 'VBP']	: 4
['various', 'JJ']	• <u>4</u>	['different' 'JJ']	• 4	['cyber' 'NN']	: 4
['add' 'VRD']	• 1	['undate' 'VB']	• 1	['newaddlink' 'NND']	: 4
[add , VBI]	. 1	[update , vb]	• 1	[Newaddlink , NNI]	· 4
[-ISD- , VDG]	. 4	[users , NNS]	. 4	[es , NNF]	. 4 : 4
[TOTTOMING , TOTAL	: 4	['Output', 'NN']	: 4	<pre>['nave', 'VBP'] ['do', 'VBP'] ['discussed', 'VBN'] ['maintenance', 'NNP'] ['checking', 'VBG'] ['follows', 'VBZ'] ['pair', 'NN']</pre>	: 4
['into', 'IN']	: 4	['relationships', 'NNS']	: 4	['do', 'VBP']	: 3
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<pre>['following', 'JJ'] ['into', 'IN'] ['among', 'IN'] ['static', 'JJ'] ['implies', 'VBZ'] ['e5', 'JJ'] ['dellink', 'NNP']</pre>	: 3	['ability', 'NN']	: 3	['maintenance', 'NNP']	: 3
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['one', 'NN']	: 3	['transform', 'VB']	: 3	['web', 'NNP']	: 3
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['obtain', 'VB']	: 3	['rank', 'NN']	: 3	<pre>['transforming', 'VBG']</pre>	: 3
['delnode', 'NNP']	: 3	['way', 'NN']	: 3	['series', 'NN']	: 3
['use'. 'VB']	: 3	['n2', 'NNS']	: 3	['isolated'. 'VBN']	: 3
['addrule'. 'NNP']	• 3	['spanning'. 'NN']	• 3	['approach'. 'NN']	: 3
['\s' 'NNP']	. 3	['completeness' 'NNS']	• 3	['e4' 'NNP']	: 3
['obtain', 'VB'] ['delnode', 'NNP'] ['use', 'VB'] ['addrule', 'NNP'] ['e5', 'NNP'] ['all', 'RB'] ['delrule', 'NNP']	. 3	[!interconnection! !NN!]	. 3	<pre>['third', 'JJ'] ['web', 'NNP'] ['include', 'VB'] ['transforming', 'VBG'] ['series', 'NN'] ['isolated', 'VBN'] ['approach', 'NN'] ['e4', 'NNP'] ['change', 'NN'] ['n1', 'NNS'] ['socio', 'NNP']</pre>	: 3
[dalmulat INND1]		[Interconnection , NN]		[Change , NN]	. 3 : 3
['delrule', 'NNP']	: 3	['es', 'oo']	: 3	[III , NN2]	: 3
['e8', 'NNS']	: 3				
[90 , 10]	. J	['hyperlink', 'NN']	: 3	['empty', 'JJ']	: 3
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['ef?cient', 'JJ']	: 2	['previous', 'JJ']	: 2	['ends', 'VBZ']	: 2
			· -		· -

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['already', 'RB']	: 2	['cover', 'VBP'] ['emerge', 'VB'] ['satis?es', 'VBZ'] ['more', 'RBR'] ['more', 'JJR'] ['modify', 'VB'] ['deleting', 'NNP'] ['e.g.', 'NN'] ['usually', 'RB'] ['obtained', 'VBN'] ['inconsistent', 'JJ'] ['million', 'CD'] ['ontology', 'JJ'] ['corresponding', 'JJ'] ['corresponding', 'JJ'] ['steb-', 'VBZ'] ['paternity', 'JJ'] ['xml', 'NN'] ['-rcb-', 'VBZ'] ['model', 'NN'] ['step', 'NN'] ['several', 'JJ'] ['seters, 'NNS'] ['represented', 'VBN'] ['-rsb-', 'JJ'] ['sets', 'NNS'] ['d2', 'NN'] ['orderly', 'JJ'] ['orderly', 'JJ'] ['orderly', 'JJ'] ['ontology', 'NN'] ['dynamic', 'JJ'] ['dynamic', 'JJ'] ['dttribute', 'NN'] ['g.', 'NNP'] ['yery', 'RB'] ['10', 'CD'] ['represent', 'VB']	: 2	['six', 'CD']	: 2
['support', 'VB']	: 2	['emerge', 'VB']	: 2	['let', 'VB']	: 2
['three', 'CD']	: 2	['satis?es', 'VBZ']	: 2	['method', 'NN']	: 2
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['do', 'VB']	: 2	['modify', 'VB']	: 2	['society', 'NNP']	: 2
['mental'. 'JJ']	• 2	['deleting' 'NNP']	• 2	['sten' 'VB']	• 2
['e4', 'CD']	• 2	['e a' 'NN']	• 2	['check' 'VB']	• 2
['tarm' 'NN']	• 2	['nenally' 'DR']	• 2	['evist' 'VB']	• 2
[!dosgribo! !VP!]	• 2	[usually , ND]	. 2	[exist , vb]	• 2
[describe , vb]	. 2	[Obtained , VBN]	. 2	[value , NN]	• 2
['System', 'NN']	: 4	['Inconsistent', 'OU']	: 2	['SIMPIE', 'OU']	: 2
[COUMINITEY, NN.]	: 2	[.million., .CD.]	: 2	['related', 'VBN']	: 2
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[lundating !VPC!]	• 2	[dz , NNS]	. 2	[describes , VBZ]	• 2
[updacing , vbg]	. 2	[neip , vb]	. 2	[managing , vbg]	• 2
	: 4	['Orderry', 'OO']	: 2	['Cpsocio-sins', 'NNS']	: 2
[, murti, , in,]	: 2	['use', 'VBP']	: 2	['e8', 'JJ']	: 2
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[EACTATHA ' ADA]	• т	[IICM ' ININE]	· 1	[100 , 1111]	• 1

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['e1', 'JJ'] ['automatically', 'RB'] ['triple', 'JJ'] ['bring', 'VB'] ['answered', 'VBN'] ['understandable', 'JJ'] ['radio-frequency', 'JJ']	: 1	<pre>['described', 'VBN'] ['determination', 'NN'] ['relation', 'NNP'] ['lead', 'VB']</pre>	: 1	<pre>['mainly', 'RB'] ['obtains', 'VBZ'] ['giving', 'VBG'] ['deletenode', 'NN'] ['second', 'JJ']</pre>	: 1
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['understandable', 'JJ']	• - • 1	['keen' 'VB']	: 1	['15', 'CD']	• 1
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[loconomic! !III]	• ± • 1	['e.g.', 'RB']	• ± • 1	[carry , vb]	• ± • 1
[lenanning] [VD7]]	• ± • 1	['e.g.', 'RB'] ['g2', 'NNP']	• ±	[accribaces , NNFS]	• ±
['Spaining', 'VBZ']	; <u>1</u>	['g2', 'NNP'] ['first', 'RB']	. 1	[O area INING]	. 1
['Instances', 'NNP']	: 1	['IIrst', 'RB']	: 1	[':OWS', 'NNS']	: 1
['numan', 'NN']	: 1	['etc.', 'EW']	: 1	['Irienasnip', 'NN']	: 1
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['concepts', 'NNS']	: 1	['extended', 'VBN']	: 1	['agents', 'NNS']	: 1
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['itsalf' 'DDD']	• ± • 1	<pre>['terminates', 'VBZ'] ['relatively', 'RB'] ['www.w3.org/2004/owl/', 'NNP'] ['keeps', 'VBZ'] ['extended', 'VBN'] ['tracking', 'NN'] ['ontology-change', 'JJ'] ['applied', 'VBN'] ['neighbors', 'NNP'] ['-rsb-', 'CD'] ['additions', 'NNS'] ['getclosure', 'NNP'] ['studies', 'NNS']</pre>	• ± • 1	<pre>['views', 'VBZ'] ['object', 'NN'] ['distinguished', 'JJ'] ['expression', 'NN'] ['equivalent', 'JJ'] ['23', 'CD'] ['open', 'JJ'] ['effects', 'NNS'] ['modifying', 'VB'] ['xml', 'NNP'] ['18', 'CD']</pre>	• ± • 1
[!thought! !NND!]	• ± • 1	[ISD , CD]	• ± • 1	['overession' 'NN']	• ± • 1
[!+han! !TN!]	• ± • 1	[additions , NNS]	• ± • 1	[expression , NN]	• ± • 1
[Lancasted LVDN1]	• ± • 1	[gettiosure , NNr]	• ±	[equivalent , oo]	• ± • 1
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['however', 'RB']	: 1	['investigate', 'VB']	: 1	['view', 'VBP'] ['updated', 'VBN'] ['e2', 'VBZ'] ['variety', 'NN'] ['at', 'IN'] ['light', 'NN'] ['deleted', 'JJ'] ['proved', 'VBN'] ['internet', 'NN'] ['obviously', 'RB'] ['compound', 'JJ'] ['languages', 'NNS'] ['could', 'MD'] ['recover', 'VB'] ['srst', 'VB'] ['sln', 'NN'] ['know', 'VBP'] ['deletion', 'NNP'] ['detect', 'VB'] ['change', 'NNP'] ['determines', 'VBZ'] ['e10', 'NNPS'] ['existence', 'NN'] ['philosophy', 'NN'] ['yet', 'CC'] ['include', 'VBP'] ['ecosystem', 'NN'] ['link', 'VBP'] ['development', 'NN'] ['link', 'VBP'] ['cross-platform', 'JJ'] ['maintaining', 'VBG'] ['-rsb-', 'NNP'] ['e3', 'NNPS'] ['characterizing', 'VBG'] ['clearly', 'RB'] ['deletelinkupdate', 'NNP'] ['queue', 'VB'] ['merged', 'VBN'] ['service', 'NN'] ['in?uence', 'JJ']	: 1
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[' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '	• 1	['essential', 'JJ']	• - • 1	['light' 'NN']	· 1
	• 1	[!+bory! !NN!]	• ± • 1	[dolotod! !TT!]	• ± • 1
[co , rw]	• ± • 1	[!intoresting! !II!]	• 1	['nroyed' 'NDN']	• ± • 1
[Chains , NNS]	• 1	[Interesting , oo]	• 1	[proved , vbN]	• ±
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['formed' 'VRN']	• ± • 1	['annotated' 'RB']	• ± • 1	['ecosystem' 'NN']	• ± • 1
['thought' 'VBD']	• ± • 1	['aroni' 'NND']	• 1	['link' 'VRD']	• ± • 1
[thought , VBD]	• ± • 1	[alchi , NNI]	• ± • 1	[downlarment! NN!]	• 1
[Dullu , VD]	• 1	[e/ , NNF]	. 1	[development , NN]	• 1
[de: nicton , NNF]	• <u>1</u>	[SIMPILIYING , VBG]	• 1		• <u>1</u>
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[Official Mise.' KP.]	: 1	[Sell-Oldanizing ' 10.]	: 1	['22', 'CD']	: T

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['consanguinity', 'RB']	: 1	<pre>['isolated', 'JJ'] ['explains', 'VBZ'] ['gn', 'PRP'] ['role', 'NN'] ['link-based', 'JJ']</pre>	: 1	<pre>['that', 'DT'] ['grid', 'NNP'] ['net', 'NN'] ['age', 'NN'] ['limited', 'VBN']</pre>	: 1
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[loldor! !IID!]	• ± • 1	[cpsocio sin , vbg]	• ± • 1	[In. , INNE]	: 1
[Older , JUN]	• 1	[resecting , vbg]	• 1	[er , NNPS]	: 1
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[111 , 102]	• +	[peer to peer , oo]	• ±		
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The mb_reprogrammeonpoolet_	oldton vin oquonoovii i rooodist		2010-1-1/1 1011 01-10
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e.6
                      : ['NNS', 'NNP', 'JJ', 'NN']
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keep
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                                                                                   : ['RB', 'NNP']
                      : ['VBZ']
                                                             cpsocio-sln
                                                                                   : ['NNP', 'JJ', 'NN', 'VBG']
uses
first.
                      : ['RB']
                                                             already
                                                                                   : ['RB']
amin
                      : ['VB', 'NNP']
                                                             number
                                                                                   : ['NN']
rank
                      : ['NN']
                                                             one
                                                                                   : ['CD', 'NN']
                      : ['NNP', 'NNS']
instances
                                                             another
                                                                                   : ['DT']
simplifying
                     : ['VBG']
                                                                                   : ['VB']
                                                             carry
impossible
                      : ['JJ']
                                                                                   : ['JJ']
                                                             open
priority
                      : ['NN']
                                                             aiven
                                                                                   : ['VBN']
annotated
                      : ['RB']
                                                             service
                                                                                   : ['NN']
indicate
                      : ['VBP', 'VB']
                                                             data
                                                                                   : ['NNS']
                                                             relations
system
                     : ['NN']
                                                                                   : ['NNS', 'NNPS']
anyone
                      : ['NN']
                                                             their
                                                                                   : ['PRP$']
too
                     : ['RB']
                                                             reasoned
                                                                                   : ['VBN', 'VBG']
friend
                     : ['NN']
                                                             ef?cient
                                                                                   : ['JJ', 'NN']
```

1.1FII.D_NprogrammedipsetoL_i	eiationivvirequei	ICE/AALI 10003'IYI		2010	一年7月10日 3.43
way	: ['NN']	relationship	: ['NN']	
that	: ['IN'	, 'WDT', 'DT']	part	: ['NN']	
simulate	: ['VB'		than	: ['IN']	
semantics	: ['NNS	']	11	: ['CD']	
10	: ['CD']	13	: ['CD']	
12	: ['CD']	15	: ['CD']	
14	: ['CD'		17	: ['CD']	
16	: ['CD'		19	: ['CD']	
18	: ['CD'		imply	: ['VB']	
recording	: ['VBG		matter	: ['NN']	
determined	: ['VBN	']	store	: ['VB']	
were	: ['VBD	']	distinguished	: ['VBN', 'JJ']	
classi?ed	: ['VBN		browser	: ['NNP']	
behaviors	: ['NNS		motivation	: ['NN']	
unchanged	: ['JJ'		randomly	: ['RB']	
say	: ['VBP		www.w3.org/rdf		
have		, 'VBP']	need	: ['VBP']	
addlink		', 'NN']	recover	: ['VB']	
any	: ['DT'		relatively	: ['RB']	
includes	: ['VBZ		attribute-based		
built	: ['VBN		latter	: ['NN']	
isolated	: ['VBN	', 'JJ']	note	: ['NN']	
also	: ['RB'		ideal	: ['NN']	
take	: ['VBP	', 'VB']	which	: ['WDT']	
deletelinkupdate	: ['NNP		peer-to-peer	: ['JJ']	
worldwide	: ['JJ'		play	: ['VB']	
added	: ['VBN	']	multiple	: ['JJ']	
object	: ['NN']	identi?cation	: ['NN']	
satis?es	: ['VBZ	']	most	: ['RBS']	
satisfying	: ['VBG	']	connected	: ['VBN']	
services	: ['NNS	']	capacity	: ['NN']	
future	: ['JJ']	intrinsic	: ['JJ']	
class	: ['NNP	S', 'NNP']	operate	: ['VB']	
originaladdlink	: ['NNP	']	sometimes	: ['RB']	
cover	: ['VBP	', 'NN']	graphs	: ['NNS']	
orderly	: ['JJ']	circulation	: ['NN']	
link	: ['NN'	, 'NNP', 'VB', 'VBP']	re?ecting	: ['VBG']	
text	: ['NN'		obtains	: ['VBZ']	
bring	: ['VB']	radio	: ['NN']	
inconsistent	: ['JJ']	d2	: ['CD', 'NNS']	
d3	: ['NNS	']	d1	: ['CD', 'NNS']	
xml	: ['NN'	, 'NNP']	based	: ['VBN']	
ereasoning	: ['NNP	']	addrule	: ['NNP']	
e10	: ['NN'	, 'NNS', 'JJ', 'CD', 'NNP',	'NNPS']e12	: ['NNS', 'CD', 'NNP']	
e14	: ['NNS	']	cross-platform	: ['JJ']	
should	: ['MD']	only	: ['RB']	
explicitly	: ['RB']	updating	: ['VBG']	
hypertext	: ['NN']	merged	: ['VBN', 'JJ']	
q.	: ['NNP	']	predecessor	: ['NN']	

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do	: ['VBP', 'VB']	handle	: ['VB']
get	: ['VB']	overall	: ['JJ']
relational	: ['JJ', 'NN']	determines	: ['VBZ']
areas	: ['NNS']	closure	: ['NN', 'NNP', 'VB']
evolution	: ['NN']	resource	: ['NN']
roles	: ['NNS']	approach	: ['NN', 'VB']
remove	: ['VB']	investigate	: ['VB']
common	: ['JJ']	queries	: ['NNS']
where	: ['WRB']	view	: ['NN', 'VBP']
set	: ['NN', 'VB', 'VBN', 'VBD']	questions	: ['NNS']
exists	: ['VBZ']	implies	: ['VBZ']
humans	: ['NNS']	we	: ['PRP']
see	: ['VB']	are	: ['VBP']
-rsb-	: ['NNS', 'CD', 'JJ', 'NN', 'NNP',	'RB']philosophy	: ['NN']
detect	: ['VB']	on-demand	: ['JJ']
visiting	: ['VBG']	managing	: ['VBG']
-rcb-	: ['JJ', '-RRB-', 'VBZ', 'NN']	nature	: ['NN']
smallest	: ['JJS']	various	: ['JJ']
routing	: ['VBG']	between	: ['IN']
inter-resource	: ['JJ']	conditions	: ['NNS']
discovery	: ['NN']	deletions	: ['NNS']
newaddlink	: ['NNP']	ends	: ['VBZ']
never	: ['RB']	terms	: ['NNS']
ability	: ['NN']	extend	: ['VB']
missing	: ['VBG']	importance	: ['NN']
component	: ['NN']	however	: ['RB']
p2p	: ['NNP']	suggested	: ['VBN']
both	: ['PDT', 'DT']	hyperlink	: ['NN']
many	: ['JJ']	self-organizing	: ['JJ']
according	: ['VBG']	minds	: ['NNS']
attributes	: ['NNPS', 'NNS']	expression	: ['VB', 'NN']
otherwise	: ['RB']	and	: ['CC', 'NNP']
large-scale	: ['JJ']	simple	: ['JJ']
had	: ['VBD']	environments	: ['NNS']
simply	: ['RB']	sequences	: ['NNS']
described	: ['VBN']	second	: ['JJ', 'LS']
addition	: ['NN']	create	: ['VB']
three	: ['CD']	been	: ['VBN']
strategy	: ['NN']	much	: ['JJ']
maintenance	: ['NN', 'VB', 'NNP']	basic	: ['JJ']
waste	: ['NN']	empty	: ['JJ']
life	: ['NN']	enable	: ['VB']
in?uence	: ['VB', 'JJ', 'NN']	versa	: ['RB']
self-organized	: ['JJ']	delnode	: ['NNP', 'NNS']
formed	: ['VBN']	else .	: ['RB']
modi?ed	: ['VBN']	representative	: ['NN']
deepen	: ['VB']	general	: ['JJ']
former	: ['JJ']	applied	: ['VBN']
has	: ['VBZ']	re?ects	: ['VBZ']

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developing	: ['VBG']	these	: ['DT']	
value	: ['NN']	will	: ['MD']	
sln	: ['NNP', 'NN']	socio	: ['NNP', 'NN']	
characterizing	: ['VBG']	changed	: ['VBN']	
find	: ['VB']	enriching	: ['VBG']	
characteristics	: ['NNS']	is	: ['VBZ']	
it	: ['PRP']	equal	: ['JJ']	
itself	: ['PRP']	triple	: ['JJ']	
in	: ['IN', 'RB']	if	: ['IN']	
result	: ['NN']	different	: ['JJ']	
things	: ['NNS']	make	: ['VB']	
same	: ['JJ']	clearly	: ['RB']	
rules	: ['NNS', 'NNPS']	complex	: ['JJ']	
emphasize	: ['VB']	deletion	: ['NN']	
several	: ['JJ']	development	: ['NN']	
evolve	: ['VB']	extended	: ['VBN']	
cp-society	: ['NNP', 'NN']	reversion	: ['NNP']	
rfid	: ['NNP']	effect	: ['NN']	
levels	: ['NNS']	ef?ciently	: ['RB']	
purpose	: ['NN']	build	: ['VB']	
tracking	: ['NN']	older	: ['JJR']	
changes	: ['NNS']	builder	: ['NNP']	
variety	: ['NN']	analysis	: ['NN']	
obviously	: ['RB']	thought	: ['VBD', 'NNP']	
person	: ['NN']	directly	: ['RB']	
costs	: ['VBZ']	sets	: ['NNS']	
the	: ['DT']	know	: ['VBP', 'VB']	
ce	: ['NNP']	proposed	: ['VBN']	
less	: ['JJR']	when	: ['WRB']	
obtain	: ['VB']	stored	: ['VBN']	
atomic	: ['JJ']	delrule	: ['NNP']	
using	: ['VBG']	yet	: ['CC']	
previous	: ['JJ']	adding	: ['VBG', 'VB', 'VBZ']	
unique	: ['JJ']	regarded	: ['VBN']	
point	: ['NN']	initialize	: ['VB']	
except	: ['IN']	add	: ['VBP', 'VB']	
transformed	: ['VBN']	addrules	: ['VBZ']	
theorem	: ['NN', 'NNP']	input	: ['NNP', 'NN']	
intersection	: ['NN', 'VBN']	save	: ['VB']	
interconnection	: ['NN']	•••	: ['CD', ':']	
easily	: ['RB']	checking	: ['VBG']	
regard	: ['VBP', 'VB']	execute	: ['VB']	
early	: ['RB']	grid	: ['NNP']	
community	: ['NN']	background	: ['NN']	
world	: ['NN']	execution	: ['NN']	
harmoniously	: ['RB']	necessary	: ['JJ']	
follows	: ['VBZ']	agents	: ['NNS']	
essential	: ['JJ']	ecology	: ['NNP']	
sequence	: ['NNP', 'NN']	understand	: ['VB']	
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easy	: ['VB']	some	: ['DT']
economic	: ['JJ']	proper	: ['JJ']
' S	: ['POS', 'VBZ']	recognition	: ['NN']
gradually	: ['RB']	for	: ['IN']
ruleid	: ['NNP']	redo	: ['VB']
extensively	: ['RB']	does	: ['VBZ']
select	: ['VB']	assuming	: ['VBG']
?ows	: ['NNS']	chains	: ['NNS']
core	: ['NN']	deleted	: ['VBN', 'JJ']
equivalent	: ['NN', 'JJ']	communicate	: ['VB']
conformation	: ['NNP', 'NN']	expansion	: ['NN']
update	: ['VBZ', 'NN', 'VB']	step	: ['VB', 'NN']
output	: ['NN']	i.e.	: ['RB']
refers	: ['VBZ']	by	: ['IN']
after	: ['IN']	on	: ['IN']
about	: ['IN']	eco-grid	: ['NN']
people	: ['NNS']	of	: ['IN']
discussed	: ['VBN']	meaning	: ['NN']
union	: ['NN']	introduced	: ['VBN', 'VBD']
or	: ['CC']	automatically	: ['RB']
owl	: ['NNP']	inclusion	: ['NN']
image	: ['NN']	due	: ['JJ']
pair	: ['NN']	appropriate	: ['JJ']
because	: ['RB', 'IN']	determine	: ['VB']
additions	: ['NNS']	quickly	: ['RB']
?nd	: ['VB']	networking	: ['NN']
log	: ['NN']	queried	: ['VBN']
support	: ['VB']	there	: ['EX']
transform	: ['VB']	long	: ['RB']
describes	: ['VBZ']	terminates	: ['VBZ']
was	: ['VBD']	function	: ['NN']
complete	: ['JJ']	subgraph	: ['NN']
differences	: ['NNS']	younger	: ['JJR']
but	: ['CC']	speci?es	: ['VBZ']
understandable	: ['JJ']	-lrb-	: ['-LRB-']
removed	: ['VBN']	with	: ['IN']
versatile	: ['NN']	operating	: ['VBG']
places	: ['NNS']	whether	: ['IN']
characteristic	: ['NN', 'NNP', 'JJ']	radio-frequency	: ['JJ']
record	: ['VB']	growth	: ['NN']
represents	: ['VBZ']	suf?cient	: ['JJ']
problem	: ['NN']	etc.	: ['FW']
called	: ['VBN']	delete	: ['VB', 'VBP']
storing	: ['VBG']	proved	: ['VBN']
-rrb-	: ['-RRB-', 'NNS']	consanguinity	: ['RB']
universal	: ['JJ']	describe	: ['VB']
generating	: ['VBG', 'VBZ']	covers	: ['NNS']
an	: ['DT']	as	: ['IN', 'RB']
initial	: ['JJ']	at	: ['IN']

corresponding	: ['JJ']	exist	: ['VB']
check	: ['VB', 'VBG']	physical	: ['NNP', 'JJ', 'VBD']
compared	: ['VBN']	-lcb-	: ['-LRB-', 'NNP']
sl	: ['NN', 'NNP']	no	: ['DT']
storage	: ['NN']	virtual	: ['JJ']
other	: ['JJ']	role	: ['NN']
conclusion	: ['NN']	node	: ['NN', 'JJ']
ecosystem	: ['NN']	kinds	: ['NNS']
users	: ['NNS']	calculating	: ['VBG']
cpsocio	: ['NNP']	time	: ['NN']
a.	: ['NN']	generated	: ['VBN']
important	: ['JJ']	n1	: ['NNS', 'JJ']
aggregated	: ['VBN']	structure	: ['NN']
building	: ['VBG']	markup	: ['NN']
designers	: ['NNS']	lead	: ['VB']
algorithm	: ['NN', 'NNP', 'VBG']	vice	: ['RB']
assume	: ['VB']	age	: ['NN']
rule	: ['VB', 'NN']	implied	: ['VBN']
demonstrates	: ['VBZ']	determination	: ['NN']
n2	: ['NNS', 'JJ']	original	: ['JJ', 'NNP']