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Inked	techniques	: 4	continually	: 4	unable	: 4	approach	: 4	
Tocus	improve	: 4	simplification	: 4	dynamically	: 4	realizing	: 4	
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proved : 3 request : 3 exist : 3 unaware : 3 relational : 3 transportation : 3 shift : 3 commonly : 3	comments		=		ensure		efforts		
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making	: 3	conscious	: 3	webpage	: 3	coordinates	: 3
policy	: 3	views	: 3	classifying	: 3	profit	: 3
increase	: 3	attracted	: 3	shows	: 3	possibility	: 3
inputting	: 3	complicated	: 3	neglect	: 3	first	: 3
question	: 3	city	: 3	structured	: 3	accurately	: 3
future	: 3	were	: 3	cyber-concepts	: 3	efficient	: 3
price	: 3	pages	: 3	especially	: 3	wittrock	: 3
laws	: 3	analytic	: 3	enriched	: 3	deployed	: 3
scientist	: 3	mature	: 3	among	: 3	those	: 3
extended	: 3	components	: 3	money	: 3	speed	: 3
death	: 3	images	: 3	understandings	: 3	communicate	: 3
develops	: 3	addition	: 3	greatly	: 3	sales	: 3
symbol	: 3	deriving	: 3	browsers	: 3	difference	: 3
ten	: 3	invention	: 3	public	: 3	inspires	: 3
select	: 3	self-organize	: 3	specialized	: 3	history	: 3
human-to-human	: 3	actually	: 3	easily	: 3	document	: 3
experiencing	: 3	mental	: 3	funding	: 3	done	: 3
least	: 3	newell	: 3	authors	: 3	determines	: 3
infrastructures	: 3	mobile	: 3	sometimes	: 3	velocity	: 3
physics	: 3	failed	: 3	experiment	: 3	his	: 3
stored	: 3	common	: 3	scanning	: 3	whole	: 3
treatment	: 3	century	: 3	widely	: 3	flows	: 3
domains	: 3	person	: 3	evaluate	: 3	mathematical	: 3
experienced	: 3	innovation	: 3	probabilistic	: 3	globally	: 3
application	: 3	explaining	: 3	2007	: 3	proposition	: 3
do	: 3	simon	: 3	include	: 3	plays	: 3
cyber-physical	: 3	others	: 3	receive	: 3	rdf	: 3
tools	: 3	assumptions	: 3	g?del	: 3	2013	: 3
indexing	: 3	accompanies	: 3	related	: 3	human-level	: 3
special	: 3	memex	: 3	facilitate	: 3	powerful	: 3
adopted	: 3	patients	: 3	distinguished	: 3	jacobson	: 3
accuracy	: 3	gain	: 3	emerging	: 3	inspiring	: 3
means	: 3	brain	: 3	influenced	: 3	exists	: 3
berners-lee	: 3	summarization	: 3	citations	: 3	streams	: 3
unclear	: 3	i.e.	: 3	define	: 3	senses	: 3
examine	: 3	thus	: 3	units	: 3	material	: 3
sets	: 3	accurate	: 3	e-science	: 3	simple	: 3
smart	: 3	agents	: 3	growth	: 3	lead	: 3
expansion	: 3	paper	: 3	surge	: 3	own	: 3
utility	: 3	1989	: 3	goals	: 3	distribution	: 3
functions	: 3	compared	: 3	virtual	: 3	enterprises	: 3
consider	: 2	under	: 2	rational	: 2	graph-based	: 2
companies	: 2	indices	: 2	disclose	: 2	consistent	: 2 : 2
-	: 2		. 2 : 2		: 2	obtained	: 2 : 2
established	: 2 : 2	protection	: ∠ : 2	china	: 2 : 2		: ∠ : 2
changed		analysts		successful		hold	
1996	: 2	feasible	: 2	attract	: 2	guarantee	: 2
thing	: 2	hot	: 2	transforming	: 2	wrong	: 2
hypotheses	: 2	reforming	: 2	before	: 2	fix	: 2
classified	: 2	combining	: 2	conjectures	: 2	mccarthy	: 2

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adapt	: 2	free	: 2	created	: 2	starts	: 2
render	: 2	researches	: 2	implicates	: 2	service	: 2
top	: 2	needed	: 2	insightful	: 2	project	: 2
co-evolution	: 2	analyzers	: 2	1960	: 2	object	: 2
extending	: 2	consumer	: 2	planetary	: 2	latent	: 2
implementation	: 2	bush	: 2	plato	: 2	report	: 2
fields	: 2	implication	: 2	projections	: 2	on-demand	: 2
psychologists	: 2	merging	: 2	collecting	: 2	active	: 2
much	: 2	air	: 2	property	: 2	ip	: 2
perform	: 2	infeasible	: 2	inventors	: 2	commonsense	: 2
normalization	: 2	maximizing	: 2	1978	: 2	simulated	: 2
unified	: 2	newton	: 2	identify	: 2	transforms	: 2
designers	: 2	objective	: 2	advanced	: 2	security	: 2
indirect	: 2	arrest	: 2	meanings	: 2	predicting	: 2
accepts	: 2	entrants	: 2	becoming	: 2	stages	: 2
abstract	: 2	constructed	: 2	generally	: 2	reality	: 2
digital	: 2	warehouse	: 2	sql	: 2	longer	: 2
together	: 2	quantity	: 2	chain	: 2	1945	: 2
join	: 2	standards	: 2	trend	: 2	supporting	: 2
meta-cognitive	: 2	water	: 2	groups	: 2	address	: 2
box	: 2	tasks	: 2	predictions	: 2	live	: 2
thousands	: 2	flu	: 2	cat	: 2	claim	: 2
predict	: 2	discussion	: 2	improving	: 2	grow	: 2
man	: 2	sectors	: 2	structuring	: 2	statistical	: 2
globalization	: 2	constitutes	: 2	coordinated	: 2	main	: 2
matches	: 2	retrieve	: 2	challenges	: 2	emerges	: 2
1995	: 2	axioms	: 2	massive	: 2	origin	: 2
bluemix	: 2	carry	: 2	impossible	: 2	summarize	: 2
engineer	: 2	knowledge-process	ing: 2	specify	: 2	constructionism	: 2
topics	: 2	ideas	: 2	trace	: 2	normal	: 2
medias	: 2	enough	: 2	motivations	: 2	expression	: 2
innovations	: 2	maintained	: 2	moreover	: 2	capable	: 2
combined	: 2	observe	: 2	html	: 2	fodor	: 2
locality	: 2	coordinate	: 2	captured	: 2	scheduled	: 2
unveil	: 2	symbolism	: 2	identifying	: 2	server	: 2
benefit	: 2	output	: 2	matching	: 2	critical	: 2
accessing	: 2	references	: 2	nowadays	: 2	hey	: 2
applying	: 2	planets	: 2	statuses	: 2	field	: 2
mathematics	: 2	collaborative	: 2	separate	: 2	students	: 2
tiger	: 2	lack	: 2	generalize	: 2	opportunities	: 2
cause-	: 2	very	: 2	condition	: 2	broader	: 2
self-contained	: 2	rate	: 2	perspective	: 2	consumers	: 2
answers	: 2	observing	: 2	published	: 2	specialize	: 2
intensive	: 2	lowering	: 2	tested	: 2	known	: 2
evolved	: 2	learn	: 2	compare	: 2	impacts	: 2
concept-level	: 2	human-to-data	: 2	derived	: 2	tries	: 2
verified	: 2	shortcomings	: 2	essence	: 2	verifies	: 2
formulate	: 2	reduce	: 2	solved	: 2	since	: 2
reason	: 2	base	: 2	imaging	: 2	rejects	: 2
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major	: 2	instances	: 2	utilization	: 2	introduction	: 2
store	: 2	translation	: 2	believe	: 2	clarifying	: 2
built	: 2	extracted	: 2	electric	: 2	programmers	: 2
measures	: 2	plan	: 2	arising	: 2	clear	: 2
institutions	: 2	- joining	: 2	sparrow	: 2	indicator	: 2
hope	: 2	knowledge-based	: 2	tree	: 2	see	: 2
expertise	: 2	connectionism	: 2	expert	: 2	conditions	: 2
attention	: 2	distinguish	: 2	improved	: 2	large-scale	: 2
throughout	: 2	decline	: 2	lattice	: 2	johannes	: 2
maintenance	: 2	adoption	: 2	prices	: 2	empirical	: 2
evaluating	: 2	computed	: 2	pylyshyn	: 2	itself	: 2
hadoop	: 2	higher	: 2	comprehensive	: 2	uses	: 2
deployment	: 2	accepted	: 2	readers	: 2	generalized	: 2
customers	: 2	gradually	: 2	connecting	: 2	state-of-the-art	: 2
retrieving	: 2	long	: 2	veracity	: 2	criteria	: 2
up	: 2	called	: 2	storing	: 2	constant	: 2
accessibility	: 2	single	: 2	organizational	: 2	priori	: 2
revision	: 2	draw	: 2	provided	: 2	replace	: 2
2001	: 2	2005	: 2	requires	: 2	once	: 2
query	: 2	issues	: 2	disposal	: 2	citing	: 2
stable	: 2	grid	: 2	transmission	: 2	try	: 2
licklider	: 2	transmit	: 2	real-world	: 2	focuses	: 2
respectively	: 2	delivering	: 2	leaving	: 2	makes	: 2
next	: 2	depicted	: 2	reciprocity	: 2	themselves	: 2
optimizing	: 2	popper	: 2	customer	: 2	integrating	: 2
meet	: 2	control	: 2	six	: 2	normalize	: 2
monitoring	: 2	mid-term	: 2	estimating	: 2	2014	: 2
constraints	: 2	separating	: 2	astronomy	: 2	posteriori	: 2
dominated	: 2	cause	: 2	networking	: 2	4th	: 2
quality	: 2	synthesizing	: 2	explanation	: 2	simulate	: 2
policeman	: 2	kleinberg	: 2	providing	: 2	false	: 2
instance	: 2	why	: 2	bring	: 2	operational	: 2
candidates	: 2	familiar	: 2	compute	: 2	operates	: 2 : 2
enhanced	: 2	pattern	: 2 : 2	use-cases	: 2 : 2	tend	: 2 : 2
progress	: 2	importance	: 2	middle-level	: 2	demonstrate	: 2 : 2
commenting	: 2	2002	: 2 : 2	estimation	: 2 : 2	fayyad	: 2 : 2
otherwise	· 2	environments	: 2 : 2	adding	: 2 : 2	trajectory	: 2 : 2
challenged	: 2	proposal	: 2	ontologies	: 2	suggested	: 2 : 2
tycho	· 2	dual	. 2 : 2	finite	: 2	unconventional	: 2 : 2
expand	: 2 : 2	modeled	. 2 : 2	thought	. 2 : 2	sensing	. 2 : 2
-	: 2 : 2	macroscopic	. 2 : 2	coordination	: 2	low-level	. 2 : 2
underlying propositions	: 2 : 2	crawled	. 2 : 2	works	. 2 : 2	accessible	· 2 : 2
thief	: 2	recommendation	: 2		: 2	accessible	: 2 : 2
	: 2 : 2		: 2 : 2	projection	: 2 : 2	carries	: 2 : 2
locate	: 2 : 2	biology	: 2 : 2	extension	: 2 : 2		: 2 : 2
multi-disciplinary		owl		1982		1980	
transfer	: 2	1988	: 2	mappings	: 2	repeated	: 2
eat	: 2	he	: 2	made	: 2	mechanics	: 2
recognize	: 2	combine	: 2	conclusion	: 2	ultimately	: 2
inspiration	: 2	ranks	: 2	writings	: 1	homomorphism	: 1

1.1FII.D_T\program\cirpse\cc_rei	allonivinequenc	EWALI 10002-TYL						2010年7月10日 9.42
magnetic	: 1	heliocentric	: 1	prognostics	: 1	prusak	: 1	
electricity	: 1	behaviours	: 1	multi-agents	: 1	ontological	: 1	
summarizes	: 1	connects	: 1	human-machine	: 1	reforms	: 1	
classifications	: 1	vast	: 1	open-source	: 1	concept-space	: 1	
non-action-centered	: 1	vector	: 1	guiding	: 1	commented	: 1	
specially	: 1	phones	: 1	direct	: 1	estimated	: 1	
organisms	: 1	specification	: 1	conduct	: 1	ever	: 1	
refinement	: 1	mccallum	: 1	military	: 1	adopting	: 1	
diameter	: 1	divide	: 1	concept-to-concept	: 1	highly	: 1	
brought	: 1	http://www.ibm.com	n/big-data:			: 1 landscape	: 1	
m.	: 1	fragmentary	: 1	gries	: 1	brings	: 1	
yahoo	: 1	award	: 1	hofmann	: 1	separates	: 1	
continual	: 1	must	: 1	1990	: 1	1994	: 1	
data-driven	: 1	indicated	: 1	give	: 1	cited	: 1	
updated	: 1	reviewing	: 1	end	: 1	feature	: 1	
hofman	: 1	significance	: 1	ordinary	: 1	beauty	: 1	
input-output	: 1	misunderstanding	: 1	curiosity	: 1	minimizes	: 1	
sparql	: 1	think	: 1	lengths	: 1	maintain	: 1	
order	: 1	restriction	: 1	interpretation	: 1	feedback	: 1	
satisfied	: 1	innovative	: 1	satisfies	: 1	url-based	: 1	
knowledge-intensive		encapsulated	: 1	reasonability	: 1	break	: 1	
penetration	: 1	reasonable	: 1	mean	: 1	DICAR	• ±	
		cognitive-computing:		mean	• 1			
telescope	: 1	literature	: 1	clauset	: 1	independency	: 1	
driving	· 1	restricted	: 1	reader	: 1	xu	: 1	
foundation	· 1	linear	: 1	sensory	· · · · · · · · · · · · · · · · · · ·	detecting	: 1	
r1	: 1	r2	: 1	+3	: 1	+2	: 1	
+5	: 1	recite	: 1	rank	: 1	channels	: 1	
	: 1	enumerate	: 1		: 1	cartesian	: 1	
synthesize				implicated			: 1	
bottom-up	: 1	similarly	: 1	engagement	: 1	goldbach		
plentiful	: 1	corpus	: 1	john	: 1	cyber-concept	: 1	
enhancing	: 1	tool	: 1	albert	: 1	wisdom	: 1	
commonsenses	: 1	incur	: 1	wasted	: 1	symptom	: 1	
distance	: 1	connectionist	: 1	enabled	: 1	normalizing	: 1	
matter	: 1	acquisition	: 1	sees	: 1	navigate	: 1	
modern	: 1	raw	: 1	increment	: 1	1969	: 1	
responsible	: 1	indexed	: 1	https://smartmanuf	acturingco	oalition.org: 1	optimized	:
1								
competitors	: 1	reserve	: 1	one-dimensional	: 1	earth	: 1	
pursuing	: 1	salton	: 1	explorations	: 1	localizing	: 1	
10	: 1	scalable	: 1	html-based	: 1	countries	: 1	
protocols	: 1	steam	: 1	habit	: 1	correlational	: 1	
inappropriate	: 1	r&d	: 1	modelings	: 1	mcafee	: 1	
harvard	: 1	clues	: 1	adapting	: 1	accident	: 1	
clancey	: 1	reported	: 1	receives	: 1	ease	: 1	
2nd	: 1	initiative	: 1	flexibly	: 1	actuators.it	: 1	
beer	: 1	interest	: 1	observatory	: 1	argument	: 1	
applied	: 1	save	: 1	reciprocal	: 1	halevy	: 1	
		davenport	: 1	procedure		-	: 1	

THE THE _THE OF COMPONED_	_roidtionitrinoquon	ioonii i iooooiikt						2010-17110-01-12
interacts	: 1	suggest	: 1	liben-nowell	: 1	roland	: 1	
hierarchies	: 1	grows	: 1	opportunity	: 1	simulates	: 1	
narrow	: 1	1976	: 1	1975	: 1	inherit	: 1	
1970	: 1	unsuitable	: 1	investments	: 1	non-trivial	: 1	
unemployment	: 1	assigned	: 1	had	: 1	passive	: 1	
graedel	: 1	collections	: 1	massively	: 1	fusion	: 1	
birth	: 1	desire	: 1	psychological	: 1	misled	: 1	
common-purpose	: 1	human-to-machine	: 1	facets	: 1	dean	: 1	
trained	: 1	born	: 1	statistic	: 1	short-term	: 1	
socio-technical	: 1	everything	: 1	participation	: 1	mechanizes	: 1	
statistician	: 1	gartner	: 1	costs	: 1	misleading	: 1	
unformulated	: 1	raised	: 1	motivate	: 1	locator	: 1	
1990s	: 1	reducing	: 1	categorization	: 1	abstractions	: 1	
fcm	: 1	anderson	: 1	symphony	: 1	armbrust	: 1	
synthesis	: 1	questionable	: 1	medium	: 1	offering	: 1	
offer	: 1	simplifications	: 1	failure	. 1 : 1	solar	: 1	
	: 1	-	: 1	model-driven	: 1	document-to-documer		
streaming		prevents						
proven	: 1	drive	: 1	problem-oriented	: 1	holding	: 1	
developers	: 1	picture	: 1	discharge	: 1	billion	: 1	
n1	: 1	n2	: 1	reviewers	: 1	roy	: 1	
displaying	: 1	1948	: 1	depend	: 1	condition-action	: 1	
graph	: 1	1944	: 1	prolonging	: 1	analogous	: 1	
advantage	: 1	k.j.holyoak	: 1	emphasizes	: 1	unfamiliar	: 1	
cook	: 1	exact	: 1	presented	: 1	proposals	: 1	
item	: 1	community-infrast	ructure: 1	upper	: 1	thinkers	: 1	
cyber-infrastruct	ures: 1	dealing	: 1	unrepresented	: 1	shares	: 1	
uniform	: 1	sequential	: 1	goes	: 1	falling	: 1	
rationalizes	: 1	satisfy	: 1	upgrade	: 1	institute	: 1	
studied	: 1	spheres	: 1	resonance	: 1	conveniently	: 1	
genuinely	: 1	emerge	: 1	inference	: 1	perspectives	: 1	
flexibility	: 1	logically	: 1	reinvention	: 1	positive	: 1	
outputs	: 1	minsky	: 1	capturing	: 1	organizations	: 1	
harmonious	: 1	renders	: 1	petabytes	: 1	expanding	: 1	
agent	: 1	meta-model	: 1	coincident	: 1	heckerman	: 1	
dennis	: 1	pre-defined	: 1	divides	: 1	explores	: 1	
huge	: 1	smoot	: 1	cradle-to-cradle	: 1	journals	: 1	
stability	: 1	experiments	: 1	equip	: 1	observational	: 1	
interesting	: 1	im	: 1	www.w3.org/tr/rdf-				: 1
halt	: 1	unveiling	: 1	records	: 1	1950	: 1	• 1
		1958	: 1				: 1	
semiotics	: 1			rendering	: 1	arrows		
realistic	: 1	rethinking	: 1	abnormal	: 1	reorganized	: 1	
predefined	: 1	algebra	: 1	emerged	: 1	inevitably	: 1	
semi-autonomous	: 1	reber	: 1	quits	: 1	inductive	: 1	
advance	: 1	derivation	: 1	curation	: 1	catalog	: 1	
turn	: 1	place	: 1	misused	: 1	fetched	: 1	
variables	: 1	symbolic	: 1	fmri	: 1	man-machine	: 1	
draft	: 1	cost-effective	: 1	cite	: 1	mostly	: 1	
continuous	: 1	proving	: 1	absorbs	: 1	11	: 1	
13	: 1	12	: 1	15	: 1	14	: 1	

THE THE THE OF COMPONIES	_rolationriloquoi	100 TTT 1 10000 DAG						2010-17110-01-12
16	: 1	require	: 1	inferring	: 1	locations	: 1	
subsystems	: 1	ideal	: 1	take	: 1	converged	: 1	
keeps	: 1	paid	: 1	donation	: 1	adaptability	: 1	
adopt	: 1	implications	: 1	sale	: 1	dispersed	: 1	
german	: 1	workshops	: 1	commitments	: 1	xml	: 1	
slow	: 1	ratio	: 1	boyle	: 1	infallibly	: 1	
mechanization	: 1	summary	: 1	vision	: 1	lenzerini	: 1	
physically	: 1	arouses	: 1	connections	: 1	1921	: 1	
1928	: 1	review	: 1	representatives	: 1	forecast	: 1	
invokes	: 1	geometric	: 1	across	: 1	jobs	: 1	
originated	: 1	analyzer	: 1	analyzed	: 1	acquiring	: 1	
kosko	: 1	railway	: 1	cancer	: 1	keqiang	: 1	
considering	: 1	epistemology	: 1	analogies	: 1	shortening	: 1	
distinguishing	: 1	observers	: 1	bayesian	: 1	evidence	: 1	
irrelevant	: 1	case	: 1	n't	: 1	www.w3.org/tr/owl	-features/: 1	
ongoing	: 1	investigating	: 1	enriches	: 1	conferences	: 1	
eventually	: 1	middle	: 1	regularity	: 1	everyday	: 1	
binary	: 1	revolutions	: 1	author	: 1	intelligently	: 1	
epistemological	: 1	http://www.w3.org/	tr/html5/			: 1 running	: 1	
braher	: 1	markup	: 1	extensible	: 1	relied	: 1	
actions	: 1	industry-leading	: 1	differentiation	: 1	quides	: 1	
heuristic	: 1	improvement	: 1	thoughts	: 1	http://www.imscen		
around	: 1	marcus	: 1	early	: 1	traffic	: 1	
aiming	: 1	suppliers	: 1	either	: 1	specifies	: 1	
bankruptcies	: 1	simulator	: 1	loosely	: 1	shortcoming	: 1	
co-constitution	: 1	organizing	: 1	gross	: 1	symbiotic	: 1	
refer	: 1	measuring	: 1	leadership	: 1	computing.evoluti		
sixty	: 1	central	: 1	origins	: 1	wolf	: 1	
deerwester	: 1	act	: 1	road	: 1	berger	: 1	
einstein	: 1	mark	: 1	co-evolves	: 1	weight	: 1	
removing	: 1	lot	: 1	assumes	: 1	human-data	: 1	
regard	: 1	co-occurrence	: 1	philosophers	: 1	land	: 1	
implies	: 1	fraud	: 1	vehicles	: 1	videos	: 1	
imagination	: 1	reliability	: 1	gruber	: 1	again	: 1	
assessing	: 1	completeness	: 1	4.0	: 1	green	: 1	
wirth	: 1	psychology	: 1	impossibility	: 1	mass	: 1	
nelson	: 1	directory	: 1	strings	: 1	forget	: 1	
cooperative	: 1	follow	: 1	coauthor	: 1	referring	: 1	
removal	: 1	foster	: 1	preserved	: 1	life-cycle	: 1	
domain-specific	: 1	joined	: 1	intricately	: 1	contexts	: 1	
adjust	: 1	biological	: 1	workloads	: 1	20th	: 1	
ghemawat	: 1	cues	: 1	sun	: 1	sum	: 1	
overload	: 1	,1969	: 1	subspaces	: 1	learned	: 1	
	: 1		: 1		: 1	nature-inspired	: 1	
component provably	: 1	diapers identifiable	: 1	compose allows	; 1 ; 1	prior	: 1	
	: 1		: 1			-	: 1	
provable		via		gick	: 1	advocated		
aptitude	: 1	conventional	: 1	takes	: 1 : 1	bio-inspired	: 1	
compensate	: 1	taken	: 1	initiated		constructs	: 1	
controlling	: 1	keeping	: 1	machine-data-machi	ine: 1	coalition	: 1	

I .\FII.D_I\piograff\Lclipse\CL_	_relation(vvireque	HICENVET 10005.txt						2010年7月10日
categorizing	: 1	paragraph	: 1	szalay	: 1	states	: 1	
minimum	: 1	axis	: 1	maps	: 1	transfers	: 1	
http://www.google	.org/fluti	rends/: 1 explai	ins	: 1 plans		: 1 comm	unicating	: 1
orbits	: 1	action-centered	: 1	coming	: 1	queries	: 1	
lifecycle	: 1	brynjolfsson	: 1	mislead	: 1	discussing	: 1	
rayport	: 1	already	: 1	brin	: 1	24	: 1	
controllable	: 1	26	: 1	rapidly	: 1	economists	: 1	
entscheidungsprob	lem: 1	microscopic	: 1	speech	: 1	fool	: 1	
incompleteness	: 1	association	: 1	fully	: 1	truths	: 1	
philosophical	: 1	habits	: 1	self-motivation	: 1	friendship	: 1	
investigated	: 1	expect	: 1	measurement	: 1	loops	: 1	
event	: 1	co-constitute	: 1	initiatives	: 1	missed	: 1	
conceptualizing	: 1	publish	: 1	causally	: 1	friday	: 1	
temperature	: 1	benefits	: 1	http://hadoop.apa		neglected	: 1	
probability	: 1	reflected	: 1	preservation	: 1	neglects	: 1	
miss	: 1	heads	: 1	leverage	: 1	leading	: 1	
	: 1	statement	: 1	hundred	: 1	schema	. 1 : 1	
assumption			: 1				: 1 : 1	
shifted	: 1	measurable		inventing	: 1	molecular		
system-to-system	: 1	determined	: 1	2020	: 1	risks	: 1	
remembers	: 1	deciding	: 1	higher-level	: 1	karl	: 1	
outputting	: 1	lie 	: 1	nights	: 1	depending	: 1	
officers	: 1	recognizing	: 1	analogs	: 1	towards	: 1	
serve	: 1	reach	: 1	accepting	: 1	extremely	: 1	
salary	: 1	unsupervised	: 1	coincides	: 1	unreasonable	: 1	
phenomenon	: 1	fine	: 1	factor	: 1	externalizes	: 1	
rest	: 1	him	: 1	deductive	: 1	data-to-data	: 1	
activity	: 1	close	: 1	deploying	: 1	gravitation	: 1	
threats	: 1	pictures	: 1	currently	: 1	rejecting	: 1	
available	: 1	missing	: 1	general-purpose	: 1	hyperlink	: 1	
became	: 1	context	: 1	finds	: 1	experimental	: 1	
millions	: 1	reasons	: 1	loan	: 1	simply	: 1	
upgrades	: 1	expensive	: 1	ensures	: 1	described	: 1	
human-human	: 1	ecologists	: 1	http://www.indust:	rialintern	etconsortium.org: 1	extreme	
: 1								
top-down	: 1	transferring	: 1	unify	: 1	solid	: 1	
reliable	: 1	optimization	: 1	accidently	: 1	evaluates	: 1	
designing	: 1	engineers	: 1	estimate	: 1	belong	: 1	
grand	: 1	composition	: 1	undecidable	: 1	viewing	: 1	
purpose	: 1	necessity	: 1	recent	: 1	surrogate	: 1	
globus	: 1	spent	: 1	machinery	: 1	howe	: 1	
named	: 1	1961	: 1	addresses	: 1	relevancy	: 1	
quaranteed	: 1	representational	: 1	hyperlinks	: 1	questioned	: 1	
theorem	: 1	influencing	: 1	edvac	: 1	deepening	: 1	
ecosystems	: 1	projects	: 1	formal	: 1	follows	: 1	
signal	: 1	mismatching	: 1	reichman	: 1	popular	: 1	
essential	: 1	clustering	: 1	ecology	: 1	meta-computing	: 1	
understood	: 1	trends	: 1	describing	: 1	broadband	: 1	
cyber-social	: 1	forgets	: 1	step	: 1	usa	: 1	
anything	: 1	tracing	: 1	in-depth	: 1	simulation	: 1	
arry critting	• 1		• 1	TII GEBCII	• 1	31111U1AC1UII	• ±	

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consequently	: 1	complementing	: 1	causation	: 1	recreate	: 1	
nsf	: 1	servers	: 1	centrality	: 1	behaving	: 1	
impressed	: 1	seger	: 1	innate	: 1	bargaining	: 1	
forward	: 1	sections	: 1	transformable	: 1	daily-life	: 1	
externalizing	: 1	raising	: 1	us	: 1	maturity	: 1	
kuhn	: 1	continuously	: 1	bell	: 1	associates	: 1	
neglecting	: 1	preventing	: 1	income	: 1	arithmetic	: 1	
machine-data	: 1	korf	: 1	fisher	: 1	correlated	: 1	
methodologies	: 1	provenance	: 1	age	: 1	departments	: 1	
human-data-human	: 1	2003	: 1	2000	: 1	2004	: 1	
fahey	: 1	codd	: 1	co-author	: 1	incorporate	: 1	
meta-cognition	: 1	copernicus	: 1	concerned	: 1	facebook	: 1	
timely	: 1	recreation	: 1	positions	: 1	someday	: 1	
odp	: 1	human-computer	: 1	sensation	: 1	video	: 1	
makers	: 1	index	: 1	optimize	: 1	giving	: 1	
han	: 1	19th	: 1	sviokla	: 1	pushing	: 1	
let	: 1	separation	: 1	invented	: 1	deduced	: 1	
involved	: 1	1937	: 1	examining	: 1	up-to-date	: 1	
formulated	: 1	apple	: 1	names	: 1	causal	: 1	
refers	: 1	hears	: 1	consumption	: 1	davisapril	: 1	
doubt	: 1	noisy	: 1	deepest	: 1	formally	: 1	
mismatch	: 1	cooperate	: 1	carrying	: 1	carried	: 1	
obvious	: 1	publications	: 1	closing	: 1	document-to-human	: 1	
proof	: 1	tax	: 1	high	: 1	unlimitedly	: 1	
united	: 1	varied	: 1	regions	: 1	located	: 1	
service-oriented	: 1	establishment	: 1	stock	: 1	blocks	: 1	
philosophy	: 1	collection	: 1	distances	: 1	https://translate.		
induction	: 1	bind	: 1	scans	: 1	dhar	: 1	
chief	: 1	metaphors	: 1	allow	: 1	move	: 1	
write	: 1	relativity	: 1	varies	: 1	tenenbaum	: 1	
2015	: 1	descriptive	: 1	resolve	: 1	day	: 1	
worlds	: 1	profound	: 1	identified	: 1	pathway	: 1	
sufficiently	: 1	transmitted	: 1	truth	: 1	11	: 1	
identifies	: 1	subset	: 1	doing	: 1	falsifiability	: 1	
frequency	: 1	static	: 1	mediates	: 1	frontier	: 1	
integrates	: 1	adaptive	: 1	integrated	: 1	achievements	: 1	
	: 1	completely	: 1	hubble	: 1		: 1 : 1	
high-tech	: 1		: 1			geometry	: 1 : 1	
times		davis		explored	: 1	retail		
housing	: 1	reaches	: 1	precisely	: 1	practitioners	: 1 : 1	
cabig	: 1 : 1	branches	: 1	low	: 1	interests	: 1 : 1	
accompany		fuzzy	: 1	colleagues	: 1	richer		
shrinks	: 1	fluctuation	: 1	element	: 1	border	: 1	
clearly	: 1	viewed	: 1	documents	: 1	newtonian	: 1	
best	: 1	grounding	: 1	pursues	: 1	misunas	: 1	
axiomatic	: 1	deploy	: 1	intentions	: 1	propagate	: 1	
reduces	: 1	stronger	: 1	fact	: 1	impression	: 1	
agreed	: 1	portfolio	: 1	debate	: 1	hall	: 1	
shaping	: 1	queried	: 1	contain	: 1	shi	: 1	
cycles	: 1	constructing	: 1	acquired	: 1	national	: 1	

F:\Pn.D_1\program\Eclipse\CE_	_relation\wireque	nce\wPF10005.txt					2016年7月18日 9:42
operated	: 1	interview	: 1	laureate	: 1	difficulties	: 1
closed	: 1	crude	: 1	george	: 1	tolman	: 1
prediction	: 1	precious	: 1	limits	: 1	tf-idf	: 1
attributed	: 1	machine-to-machine	e : 1	tactical	: 1	comment	: 1
maximize	: 1	unclean	: 1	tremendous	: 1	waste	: 1
corresponding	: 1	coherence	: 1	bachman	: 1	clusters	: 1
splits	: 1	dataflow	: 1	promotes	: 1	internet-of	: 1
revisited	: 1	discoveries	: 1	supply	: 1	almost	: 1
blood	: 1	linkedin	: 1	helped	: 1	examined	: 1
greater	: 1	productivity	: 1	disparate	: 1	administration	: 1
parts	: 1	planned	: 1	mathematic	: 1	iot	: 1
transformational	: 1	judgment	: 1	contribution	: 1	keep	: 1
reflection	: 1	http://www.ibm.com	n/cloud-com	<pre>puting/bluemix/: 1</pre>	well	: 1	user-friendly
: 1		-	•				-
stores	: 1	heavily	: 1	hybrid	: 1	half	: 1
domestic	: 1	localize	: 1	inmon	: 1	rapid	: 1
recommending	: 1	maintaining	: 1	usage	: 1	close-loop	: 1
government	: 1	decidable	: 1	five	: 1	supervise	: 1
variants	: 1	page	: 1	regardless	: 1	foreseeable	: 1
twitter	: 1	church	: 1	library	: 1	employment	: 1
merge	: 1	broad	: 1	12	: 1	demonstrated	: 1
inaccurate	: 1	self-organization	: 1	although	: 1	allenby	: 1
publishing	: 1	behavior-centered	: 1	universe	: 1	recognized	: 1
converging	: 1	zooms	: 1	assess	: 1	roads	: 1
goal-oriented	: 1	1986	: 1	1985	: 1	1983	: 1
1981	: 1	justifying	: 1	soil	: 1	spiral	: 1
intention	: 1	fuses	: 1	human-to-nature	: 1	biggest	: 1
naturally	: 1	construction	: 1	question-answering	: 1	wise	: 1
ecosystem	: 1	lagging	: 1	display	: 1	strengthens	: 1
universal	: 1	meaningless	: 1	slowing	: 1	education	: 1
detail	: 1	old	: 1	kinds	: 1	diagnosis	: 1
pathways	: 1	persistent	: 1	rule	: 1	volumes	: 1
indirectly	: 1	-					
<u> </u>							
WP_Fdic:							
['the', 'DT']			and', 'CC']		: 815	['of', 'IN']	: 663
['to', 'TO']			-rrb-', '-R		: 354	['-lrb-', '-LRB-']	: 352
['data', 'NNS']			ls', 'VBZ']		: 291	['in', 'IN']	: 225
['knowledge', 'NN	']	_	can', 'MD']		: 176	['for', 'IN']	: 170
['big', 'JJ']			system', 'N		: 132	['be', 'VB']	: 123
['with', 'IN']			from', 'IN'		: 120	['are', 'VBP']	: 112
['on', 'IN']			space', 'NN		: 108	['as', 'IN']	: 107
['representation'			Lt', 'PRP']		: 98	['data', 'NN']	: 91
['different', 'JJ	']		oy', 'IN']		: 89	['not', 'RB']	: 84
['which', 'WDT']			petween', '		: 79	['semantic', 'JJ']	: 74
['human', 'JJ']			arious', '		: 70	['research', 'NN']	: 70
['or', 'CC']			that', 'WDT		: 67	['through', 'IN']	: 64
['an', 'DT']			dimensions'		: 60	['systems', 'NNS']	: 60
['concepts', 'NNS	']	: 60 ['i	Information	', 'NN']	: 60	['this', 'DT']	: 58

1.1FII.D_TIPLOGRAIIILCIIPSEICE_TEIALIOIIIVVITEQUETICEIVVFTT	0005.txt				2010年7月10日 9.42
['cognitive', 'JJ']	: 57	['computing', 'NN']	: 56	['some', 'DT'] ['has', 'VBZ'] ['new', 'JJ'] ['complex', 'JJ']	: 52
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['problem', 'NN']	: 48	['such', 'JJ']	: 48	['new', 'JJ']	: 47
['other', 'JJ']	: 46	['network', 'NN']	: 46	['complex', 'JJ']	: 45
['that', 'IN']	: 45	['links', 'NNS']	: 44	['modeling', 'NN']	: 42
['machine', 'NN']	: 41	['analysis', 'NN']	: 41	['social', 'JJ']	: 41
['representations', 'NNS']	: 40	<pre>['analysis', 'NN'] ['development', 'NN']</pre>	: 40	['example', 'NN']	: 39
['cyber-infrastructure', 'NN']	: 39	['people', 'NNS']	: 38	['behaviors', 'NNS']	: 38
['rules', 'NNS']	: 37	['e.a.', 'NNP']	: 37	['computing', 'VBG']	: 37
["'s", 'POS']	: 35	['one', 'CD']	: 35	['behaviors', 'NNS'] ['computing', 'VBG'] ['science', 'NN']	: 35
['problems', 'NNS']		['link'. 'NN'l	: 34	['but', 'CC']	: 34
['interaction', 'NN']	: 33	<pre>['development', 'NN'] ['people', 'NNS'] ['e.g.', 'NNP'] ['one', 'CD'] ['link', 'NN'] ['models', 'NNS'] ['structure', 'NN'] ['important', 'JJ'] ['model', 'NN'] ['paradigm', 'NN'] ['paradigm', 'NN'] ['many', 'JJ'] ['human', 'NN'] ['zhuge', 'NNP'] ['dimension', 'NN'] ['like', 'IN'] ['each', 'DT'] ['web', 'NNP']</pre>	: 32	<pre>['but', 'CC'] ['observed', 'JJ'] ['scientists', 'NNS']</pre>	: 32
['process', 'NN']	: 32	['structure' 'NN']	: 31	['scientists' 'NNS']	: 31
		['important', 'JJ']	: 30	['including' 'VBG']	: 30
['management' 'NN']	• 30	['model' 'NN']	: 29	['according', VBG']	: 28
[!classification! !NN!]	. 28	['maradigm' 'NN']	: 28	['networks' 'NNS']	: 28
<pre>['may', 'MD'] ['management', 'NN'] ['classification', 'NN'] ['have', 'VBP']</pre>	. 20	[paradigm , NN]	: 27	<pre>['including', 'VBG'] ['according', 'VBG'] ['networks', 'NNS'] ['more', 'RBR']</pre>	: 26
['been', 'VBN']	: 26	[human! NN!]	: 26	[More , KBK]	: 26
['ability', 'NN']	: 25	[Tullian , NN]	: 25	[arso , Ab]	: 25
[ability , NN]	: 25	[Idimonaion! INN!]	: 25	['more', 'RBR'] ['also', 'RB'] ['at', 'IN'] ['if', 'IN'] ['will', 'MD'] ['its', 'PRP\$'] ['what', 'WP']	: 25
['community', 'NN']	: 24	[dimension , NN]	: 24		· 23
['relations', 'NNS'] ['consists', 'VBZ']	: 24	['IIKE', 'IN']	: 24	[MIII , MDDC1]	: 24
		['each', 'DI']	: 24	['ILS', 'PRP3']	: 23
['architecture', 'NN']	: 23	<pre>['web', 'NNP'] ['multi-dimensional', 'JJ']</pre>	•	['What', 'WP']	: 23
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['issue', 'NN']	: 14	['find', 'VB']	: 14	['words', 'NNS']	: 14

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['provide', 'VBP'] ['exploration', 'NN'] ['external', 'JJ'] ['hard', 'JJ'] ['should', 'MD'] ['use', 'VBP'] ['their', 'PRP\$'] ['organization', 'NN'] ['solution', 'NN'] ['solution', 'NN'] ['stage', 'NN'] ['industrial', 'JJ'] ['language', 'NN'] ['set', 'NN'] ['structures', 'NNS'] ['reflect', 'VB'] ['enterprise', 'NN'] ['etc.', 'FW'] ['principles', 'NNS'] ['does', 'VBZ'] ['all', 'DT'] ['economic', 'JJ'] ['provides', 'VBZ'] ['only', 'JJ'] ['beyond', 'IN'] ['storage', 'NN'] ['represent', 'VB'] ['communication', 'NN'] ['symbiosis', 'NNS']	: 14	<pre>['turing', 'NNP'] ['existing', 'VBG'] ['spaces', 'NNS'] ['value', 'NN'] ['human', 'NNP'] ['current', 'JJ'] ['behavior', 'NN'] ['objects', 'NNS'] ['support', 'VB']</pre>	: 14	<pre>['who', 'WP'] ['researchers', 'NNS'] ['needs', 'VBZ'] ['discovery', 'NN'] ['generate', 'VB'] ['could', 'MD'] ['decision', 'NN'] ['indicators', 'NNS'] ['status', 'NN'] ['traditional', 'JJ']</pre>	: 14
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['external', 'JJ']	: 14	['spaces', 'NNS']	: 14	['needs', 'VBZ']	: 14
['hard', 'JJ']	: 13	['value', 'NN']	: 13	['discovery', 'NN']	: 13
['should', 'MD']	: 13	['human', 'NNP']	: 13	['generate', 'VB']	: 13
['use'. 'VBP']	: 13	['current'. 'JJ']	: 13	['could', 'MD']	: 13
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['organization' 'NN']	• 13	['objects' 'NNS']	• 13	['indicators' 'NNS']	• 13
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['stage' 'NN']	• 12	['tavt' 'NN']	: 12	[!traditional! !TT!]	• 12
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[!industrial! !TT!]	• 12	['support', 'VB'] ['text', 'NN'] ['appropriate', 'JJ'] ['2012', 'CD'] ['view', 'NN'] ['scale', 'NN'] ['point', 'NN'] ['know', 'VB']	: 12	['because', 'IN'] ['formation', 'NN'] ['another', 'DT'] ['automatically', 'RB'] ['establishing', 'VBG'] ['experience', 'NN']	• 12 • 12
[!language! !NN!]	• 12	[ZOIZ , CD]	: 12	[lanothor! DTI]	. 12
[ranguage , NN]	. 12	[view , NN]	: 11	[lautomatically IDD1]	• 12 • 11
['Set', 'NN']	; 12 , 11	['SCale', 'NN']	: 11	['automatically', 'RB']	: 11 - 11
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['three', 'CD']	: 8	['aim', 'NN']	: 8	['diverse', 'JJ']	: 8
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1.1F11.D_1\pirogram\cirpse\cr_1elation\vviiequence\	VVF1 10005.txt				2010年7月10日 9.42
['general', 'JJ']	: 8	['helps', 'VBZ']	: 8	<pre>['observation', 'NN'] ['without', 'IN'] ['gap', 'NN'] ['potential', 'JJ']</pre>	: 8
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I DIOCESSING, VDG I	. 0	['engineering', 'NN']	: 8	['kind', 'NN'] ['kepler', 'NNP']	: 8
['user', 'NN'] ['particular', 'JJ']	: 8	['generation', 'NN']	: 8	['flow', 'NN']	: 8
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['organize', 'VB']	: 7 : 7 : 7 : 7	['strategy' 'NN']	• 7	['areas', 'NNS'] ['generate', 'VBP']	: 7
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['humans', 'NNS']	• 7	['SOLVING', 'VBG']	: /	['method', 'NN'] ['generating', 'VBG']	: 7 : 7
		['individual', 'JJ']	• 7		
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[patterns', 'NNS']	['computational' 'TT']	• 5	[web , NN]	• 5	['generative' '.T.T']	• 5
[patterns', 'NNS']	[!roguired! !VPN!]	• 5	[!transform! !\\D!]	. 5	[denerative , oo]	• 5
[patterns', 'NNS']	[labourt NAN]	. 5	[transform , vb]	. 5	[advantages , NNS]	• J
[patterns', 'NNS']	[SHOWH , VEN]	. 5	[INVOIVE , VDF]	. 5	[light-periormance , oo]	. J
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['improve', 'VB']	['most'. 'JJS']	• 4	['due'. 'JJ']	• 4	['realizing'. 'VBG']	• 4
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['events', 'NNS']	['aettina' 'VBG']	• 1 • 4	['resource' 'NN']	• 1 • 1	['influence' 'VR']	• 1 • 4
['events', 'NNS']	['proposed' 'VBD']	• 4 • 4	['share' 'NN']	• - • Δ	['solutions' 'NNS']	• 4 • Δ
['events', 'NNS']	[proposed , VDD]	• 1	['competition' 'NN']	• 1	['retrieval' 'NN']	• 1
['events', 'NNS']	[Cases , NNS]	• 1	[competition , NN]	• 4	[!individuals! !NNC!]	• 1
['1998', 'CD']						
['relationships', 'NNS'] : 4 ['experiences', 'NNS'] : 4 ['linked', 'VBN'] : 4 ['good', 'JJ'] : 4 ['leads', 'VBZ'] : 4 ['theoretical', 'JJ'] : 4 ['differences', 'NNS'] : 4 ['node', 'NN'] : 4 ['force', 'NN'] : 4 ['technical', 'JJ'] : 4 ['prove', 'VB'] : 4 ['insight', 'NN'] : 4 ['complete', 'JJ'] : 4 ['image', 'NN'] : 4 ['and', 'NNP'] : 4						
['good', 'JJ'] : 4 ['leads', 'VBZ'] : 4 ['theoretical', 'JJ'] : 4 ['differences', 'NNS'] : 4 ['node', 'NN'] : 4 ['force', 'NN'] : 4 ['technical', 'JJ'] : 4 ['prove', 'VB'] : 4 ['insight', 'NN'] : 4 ['complete', 'JJ'] : 4 ['image', 'NN'] : 4 ['and', 'NNP'] : 4			_			
['differences', 'NNS'] : 4 ['node', 'NN'] : 4 ['force', 'NN'] : 4 ['technical', 'JJ'] : 4 ['prove', 'VB'] : 4 ['insight', 'NN'] : 4 ['complete', 'JJ'] : 4 ['image', 'NN'] : 4 ['and', 'NNP'] : 4						
['technical', 'JJ'] : 4 ['prove', 'VB'] : 4 ['insight', 'NN'] : 4 ['complete', 'JJ'] : 4 ['image', 'NN'] : 4 ['and', 'NNP'] : 4	-					
['complete', 'JJ'] : 4 ['image', 'NN'] : 4 ['and', 'NNP'] : 4						
['ZUU6', 'CD'] : 4 ['supports', 'VBZ'] : 4 ['indeed', 'RB'] : 4						
	['ZUU6', 'CD']	: 4	['supports', 'VBZ']	: 4	['indeed', 'KB']	: 4

1.1F11.D_1\program\cite\cite\seloc_relation\vviiequence\	WF1 10003.txt				2010年1月10日 9.42
['isomorphism', 'NN']	: 4	['approach', 'NN']	: 4	['recognition', 'NN']	: 4
['aims', 'VBZ']	: 4	<pre>['cities', 'NNS'] ['computing', 'NNP']</pre>	: 4 : 4	['object-oriented', 'JJ']	: 4
['aims', 'VBZ'] ['continually', 'RB']	: 4	['computing', 'NNP']	: 4	['discuss', 'VB'] ['2009'. 'CD']	: 4
['facilitates', 'VBZ']	: 4	['data-intensive', 'JJ']	: 4	['2009', 'CD']	: 4
['work', 'VB']	: 4	['artificial', 'JJ']	: 4	['influence', 'NN']	: 4
['sharing', 'VBG']		['program', 'NN']	: 4	['brahe', 'NNP']	: 4
['layers', 'NNS']	: 4	['period', 'NN']	: 4	['capabilities', 'NNS']	
['task', 'NN']	: 4	['formed', 'VBN']	: 4	['motion', 'NN']	: 4
['resource', 'NNP']	: 4	['knowing', 'VBG']	: 4	['verifying', 'VBG']	: 4
['get', 'VB']	: 4	['coordinating' 'VBG']	• 1 • 4	['explore', 'VB']	: 4
['selecting', 'VBG']		['coordinating', 'VBG'] ['so', 'IN']	• 1	['section', 'NN']	: 4
['input', 'NN']	: 4	['techniques', 'NNS']		['mapping', 'VBG']	. 4
['interact', 'VBP']		['quide', 'VB']	: 4		
Inceract, vor j	: 4 : 4	[guide , vb]	. 4 . 1	['requests', 'VBZ'] ['2010', 'CD']	. 4 : 4
['requirement', 'NN']	4	['dependent', 'JJ']	: 4		: 4 : 4
'personal', 'JJ']	: 4 : 4	['dependent', 'JJ'] ['environmental', 'JJ']	: 4	['inspired', 'VBN']	
		['LOO', 'KB']	: 4	['demand', 'NN']	: 4
['still', 'RB']	: 4	['influence', 'VBP']		['', ':']	: 4
['proposing', 'VBG']		['regards', 'VBZ']		['changes', 'NNS']	: 4
['attributes', 'NNS']	: 4	['activities', 'NNS']	: 4	['processes', 'VBZ']	: 4
['language', 'NNP']	: 4	['organized', 'VBN']	: 4	['values', 'NNS']	: 4
['interact', 'VB']	: 4	<pre>['high-level', 'JJ'] ['local-to-global', 'JJ']</pre>	: 4	['interacting', 'VBG']	: 4
['lower', 'JJR']	: 4	['local-to-global', 'JJ']	: 4	['correlations', 'NNS']	: 4
['discusses', 'VBZ']	: 4		: 4	['definitions', 'NNS']	: 4
'existing', 'JJ']	: 4	['cyber', 'NN']		['unable', 'JJ']	: 4
['enable', 'VBP']	: 4	['mapped', 'VBN']		['symbols', 'NNS']	: 4
'forming', 'VBG']	: 4	['explain', 'VB']	: 4	['individual', 'NN']	: 4
'heterogeneous', 'JJ'] 'answer', 'VB'] 'table', 'NNP']	: 4	['key', 'NN']	: 4	['database', 'NN']	: 4
'answer', 'VB']	: 4	['access', 'NN']	: 4	['toward', 'IN']	: 4
	: 4	['goal', 'NN']	: 4	['form', 'VBP']	: 3
['wide', 'JJ']	: 3	['therefore', 'RB']	: 3	['cause-effect', 'JJ']	: 3
['say', 'VB']	: 3	['failed', 'VBD']	: 3	['policy', 'NN']	: 3
['building', 'VBG']	: 3	['society', 'NNP']	: 3	['mental', 'JJ']	: 3
['explained', 'VBN']	: 3	['common', 'JJ']	: 3	['invention', 'NN']	: 3
['functions', 'NNS']	: 3	['search', 'VB']	: 3	['era', 'NN']	: 3
['own', 'JJ']	: 3	['1993', 'CD']	: 3	['access', 'VB']	: 3
['death', 'NN']	: 3	['commonly', 'RB']		['human-level', 'JJ']	
['materials', 'NNS']		['possible', 'JJ']		['webpage', 'NN']	: 3
['include', 'VBP']		['manufacturing', 'NN']		['rdf', 'NNP']	: 3
['accurately', 'RB']	: 3	['widely', 'RB']	: 3	['analytic', 'JJ']	: 3
['sets', 'NNS']	: 3	['constantly', 'RB']	: 3	['mathematical', 'JJ']	: 3
['support', 'NN']	: 3	['gain', 'VB']	: 3	['especially', 'RB']	. 3 : 3
['discover', 'VBP']	: 3	['extended', 'VBN']		['reflect', 'VBP']	: 3
	: 3	['operate', 'VB']	: 3		: 3 : 3
'relies', 'VBZ']			: 3	['utility', 'NN']	
['velocity', 'NN']	: 3	['extent', 'NN']	: 3	['inputting', 'VBG']	: 3
['do', 'VB']	: 3	['document', 'NN']	: 3	['research', 'NNP']	: 3
['city', 'NN']	: 3	['surge', 'NN']	: 3	['powerful', 'JJ']	: 3
['make', 'VBP']	: 3	['no', 'RB']	: 3	['simon', 'NNP']	: 3
['links', 'VBZ']	: 3	['done', 'VBN']	: 3	['enriched', 'VBN']	: 3
['un-computable', 'JJ']	: 3	['support', 'VBP']	: 3	['money', 'NN']	: 3

1.1FII.D_I\program\Lcnpse\CL_relation\vviiequelice\	WF1 10005.txt				2010年7月10日 9.42
['connected', 'JJ']	: 3	['principle', 'NN']	: 3	['cyberspace', 'NN']	: 3
<pre>['connected', 'JJ'] ['browsers', 'NNS'] ['jacobson', 'NNP'] ['berners-lee', 'NNP']</pre>	: 3	<pre>['efficient', 'JJ'] ['g?del', 'NNP'] ['combination', 'NN'] ['were', 'VBD']</pre>	: 3	<pre>['connect', 'VB'] ['goals', 'NNS'] ['infrastructures', 'NNS']</pre>	: 3
['jacobson', 'NNP']	: 3	['q?del', 'NNP']	: 3	['goals', 'NNS']	: 3
['berners-lee', 'NNP']	: 3	['combination', 'NN']	: 3	['infrastructures', 'NNS']	: 3
['discovered', 'VBN']	: 3	['were', 'VBD']	: 3	['self-organize', 'VBP']	: 3
['what'. 'WDT']	• 3	['expansion', 'NN']	: 3	['four', 'CD']	: 3
['addition', 'NN']	: 3	['deployed', 'VBN']	• 3	['evaluate', 'VB']	: 3
['extract', 'VB']	: 3	['making', 'VBG']	: 3	['assumptions', 'NNS']	: 3
['classifving', 'VBG']	: 3	l'atter' 'IN'I	• 3	['wittrock', 'NNP']	: 3
['addition', 'NN'] ['extract', 'VB'] ['classifying', 'VBG'] ['core', 'JJ'] ['transportation', 'NN']	: 3	['accurate', 'JJ']	: 3	['marketing', 'NN']	: 3
['transportation', 'NN']	: 3	['among', 'IN']	: 3	['increase', 'VB']	
['change', 'VBP']	: 3	['enetainable' 'JJ']	: 3	['whole', 'JJ']	: 3
['flows', 'VBZ']	: 3	['steps', 'NNS']	: 3	['whole', 'JJ'] ['receive', 'VB']	: 3
['citations', 'NNS']	: 3	['representation', 'NNP']	: 3	1'2013'- 'CD'I	: 3
['change', 'VBP'] ['flows', 'VBZ'] ['citations', 'NNS'] ['select', 'VB'] ['question', 'NN']	: 3	['steps', 'NNS'] ['representation', 'NNP'] ['define', 'VB'] ['conscious', 'JJ'] ['selects', 'VBZ'] ['al.', 'NN']	: 3		: 3
['question', 'NN']	: 3	['conscious', 'JJ']	: 3	['blei', 'NNP'] ['thus', 'RB'] ['equipment', 'NN']	: 3
['his', 'PRP\$']	: 3	['selects'. 'VBZ']	: 3	['equipment', 'NN']	: 3
['experiencing', 'VBG']		['a] ' 'NN']	• 3	['deriving', 'VBG']	: 3
['experiment' 'NN']	• 3	['shows', 'VBZ']	• 3	['effort', 'NN']	
['experiment', 'NN'] ['unclear', 'JJ'] ['efforts', 'NNS'] ['wikipedia', 'NNP'] ['application', 'NN']	• 3	['man-computer' '.T.T']	• 3	['actually', 'RB']	: 3
['efforts' 'NNS']	• 3	['man-computer', 'JJ'] ['effectiveness', 'NN'] ['domains', 'NNS'] ['agents', 'NNS']	• 3	['simulating' 'VRG']	: 3
['wikinedia! 'NND']	• 3	['domaine' 'NNG']	• 3	['simulating', 'VBG'] ['authors', 'NNS']	: 3
[wikipedia , NNr]	. 3	['aconts' 'NNC']	. 3	['symbol', 'NN']	: 3
[application , NN]	. 3	[ayencs , NNS]	. 3	['units', 'NNS']	
['over', 'IN'] ['cooperation', 'NN']	. 3	['system', 'NNP'] ['develops', 'VBZ']	. 3	['concern', 'VB']	. 3 : 3
['Cooperation', 'NN']		['develops', 'VBZ']	: 3	[!ton! !CD!]	: 3 : 3
['lead', 'VBN']	: 3	['forms', 'VBZ']	: 3	['determined IVD71]	: 3 : 3
['read', 'VBN'] ['ensure', 'VB'] ['stored', 'VBN'] ['growth', 'NN'] ['cloud', 'NN']	: 3	['nor', 'CC'] ['-rrb-', 'RB'] ['possibility', 'NN']	: 3	<pre>['ten', 'CD'] ['determines', 'VBZ'] ['paper', 'NN'] ['accompanies', 'VBZ']</pre>	: 3 : 3
['Stored', 'VBN']	: 3	['-IID-', 'KB']	: 3	['paper', 'NN']	: 3 : 3
['growth', 'NN']	: 3	['possibility', 'NN'] ['others', 'NNS']	: 3	['accompanies', 'VBZ']	: 3 : 3
['CTOUG', 'NN']	: 3	['others', 'NNS']	: 3	['tools', 'NNS']	: 3
['rationalism', 'NN']	: 3	['extracting', 'VBG']		['rely', 'VBP']	
['influenced', 'VBN']	: 3	['focus', 'VB']	: 3	['need', 'VB']	: 3
['efficiently', 'RB']	: 3 : 3 : 3	['exists', 'VBZ']	: 3 : 3	['simulating', 'VB']	: 3
['hand', 'NN']	: 3	['pages', 'NNS']	: 3	['those', 'DT'] ['1974', 'CD']	: 3
['worldview', 'NN']	: 3	['century', 'NN']	: 3	['19/4', 'CD']	: 3
['neither', 'RB'] ['enterprises', 'NNS']	: 3	['sometimes', 'RB']		['most', 'RBS']	: 3
['enterprises', 'NNS']	: 3	['treatment', 'NN']		['contribute', 'VBP']	
['concern', 'NN'] ['observed', 'VBN'] ['proposition', 'NN']	: 3	['price', 'NN']	: 3	['specialized', 'JJ']	: 3
['observed', 'VBN']	: 3	['pragmatism', 'NN'] ['2007', 'CD']	: 3	['means', 'NN']	: 3
				['difference', 'NN']	: 3
['senses', 'NNS']	: 3	['virtual', 'JJ']	: 3	['images', 'NNS']	: 3
['far', 'RB']	: 3	['writers', 'NNS']	: 3	['interact', 'NN']	: 3
['person', 'NN']	: 3	['calculate', 'VB']	: 3	['plays', 'VBZ']	: 3
['it', 'NNP']	: 3	['theories', 'NNS']	: 3	['driven', 'JJ']	: 3
['inspire', 'VB']	: 3	['etc.', 'RB']	: 3	['url', 'NNP']	: 3
['profit', 'NN']	: 3	['communicate', 'VB']	: 3	['mobile', 'JJ']	: 3
['easily', 'RB']	: 3	['special', 'JJ']	: 3	['detect', 'VB']	: 3
['specific', 'JJ']	: 3	['participate', 'VB']	: 3	['framework', 'NN']	: 3
['help', 'VBP']	: 3	['future', 'JJ']	: 3	['comments', 'NNS']	: 3

1.1F11.D_11plogramm_clipsercL_relation(vvii)equence(vvF1100	JUJ.LXL				2010年7月10日 9.42
['history', 'NN']	: 3	['easy', 'JJ']	: 3	['globally', 'RB']	: 3
<pre>['history', 'NN'] ['cyber-concepts', 'NNS'] ['sales', 'NNS']</pre>	: 3	['greatly', 'RB'] ['bio-symbiosis', 'NNS'] ['memory', 'NN'] ['accuracy', 'NN']	: 3	['studies', 'VBZ']	: 3
['sales', 'NNS']	: 3	['bio-symbiosis', 'NNS']	: 3	<pre>['studies', 'VBZ'] ['scientist', 'NN'] ['newell', 'NNP']</pre>	: 3
['sales', 'NNS'] ['points', 'NNS']	: 3	['memorv', 'NN']	: 3	['newell', 'NNP']	: 3
['relational', 'JJ']	: 3	['accuracy', 'NN']	: 3	['components', 'NNS']	: 3
['essentially', 'RB']		['location', 'NN']		['innovation', 'NN']	
['computable', 'JJ']		['constitute', 'VBP']	: 3	['material', 'NN']	
['least', 'JJS']	: 3	['views', 'NNS']	: 3	['probabilistic', 'JJ']	: 3
	: 3	['laws', 'NNS']	: 3	['onto', 'IN']	: 3
['patients', 'NNS'] ['meaningful', 'JJ']	: 3	['building', 'NN']	: 3	['brain', 'NN']	: 2
['description', 'NNP']		['implication', 'NN']		['machines', 'NNPS']	
['co-evolve', 'NN']	: 2 : 2	['providing', 'VBG']		['tend', 'VBP']	: 2
[co-evoive , NN]	. 2				. 2 : 2
<pre>['arrest', 'NN'] ['constitutes', 'VBZ'] ['implicates', 'VBZ'] ['simulated', 'VBN']</pre>	. 2	['evolved', 'VBN']	: 2 : 2	['lead', 'VB']	: 2 : 2
['Constitutes', 'VBZ']	: ∠	['explanation', 'NN']		['higher', 'JJR'] ['recommendation', 'NN']	
['implicates', 'VBZ']	: 2	<pre>['formulate', 'VB'] ['transforms', 'VBZ']</pre>	: 2	['recommendation', 'NN']	: 2
['simulated', 'VBN']	: 2	['transforms', 'VBZ']	: 2	'policeman', 'NN'	: 2
['becoming', 'VBG']	: 2	['accepted', 'VBN']	: 2	['captured', 'VBN']	: 2
['scheduled', 'VBN']		['specialize', 'VB']		['funding', 'VBG']	
['2006', 'VBZ']	: 2	['pattern', 'NN']	: 2	['object', 'NN']	
<pre>['itself', 'PRP'] ['replace', 'VB'] ['predictions', 'NNS']</pre>	: 2	['html', 'NNP'] ['self-contained', 'JJ'] ['exist', 'VBP']	: 2	['adding', 'VBG']	: 2
['replace', 'VB']	: 2	['self-contained', 'JJ']	: 2	<pre>['familiar', 'JJ'] ['transformed', 'VBN']</pre>	: 2
['predictions', 'NNS']	: 2	['exist', 'VBP']	: 2	['transformed', 'VBN']	: 2
['distribution', 'NN']	: 2	['finite', 'JJ']	: 2	['estimation', 'NN']	: 2
['issues', 'NNS']	: 2	['web', 'JJ']	: 2	['china', 'NNP']	: 2
['table', 'NN']	: 2	['lattice', 'NN']	: 2	['economic', 'NNP']	: 2
['uses', 'VBZ']	: 2	['consist', 'VB']		['massive', 'JJ']	: 2
['svmbolism', 'NN']	: 2	['normal', 'JJ']	.)		
['cyber-infrastructure', 'NNP']	: 2	['normal', 'JJ'] ['reforming', 'VBG']	: 2 : 2	<pre>['fields', 'NNS'] ['meta-cognitive', 'JJ']</pre>	: 2
['trace', 'VB']	: 2	['deployment', 'NN']	: 2	['stable', 'JJ']	: 2
['reality', 'NN']	: 2	['2002', 'CD']	: 2	['statistics', 'NNPS']	
['cause', 'NN']	: 2	['medias', 'NNS']	: 2	['identify', 'VB']	: 2
['e.g.', 'VBG']	: 2	['compared', 'VBN']	: 2	['derived', 'VBN']	: 2
		['ontology', 'RB']	: 2	['hold', 'VB']	: 2
['conditions', 'NNS']	• 2	['evaluating' 'VRG']	: 2	['combined', 'VBN']	: 2
<pre>['emerging', 'VBG'] ['conditions', 'NNS'] ['utilization', 'NN']</pre>	• 2	['evaluating', 'VBG'] ['adapt', 'VB']	: 2	['unaware', 'JJ']	: 2 : 2
['render', 'VB']	: 2	['reduce', 'VB']	: 2	['server', 'NN']	: 2
['kleinberg', 'NNP']		['2014', 'CD']	: 2	['protection', 'NN']	
					: 2
['advanced', 'JJ']	. 2	['unified', 'JJ']	: 2 : 2	['create', 'VBP']	: 2 : 2
['perspective', 'NN']	: 2	['create', 'VB']		['measures', 'NNS']	
['entrants', 'NNS']	: 2	['1988', 'CD']	: 2	['impossible', 'JJ']	: 2
['trend', 'NN']	: 2	['transfer', 'NN']	: 2	['criteria', 'NNS']	: 2
['cognitive', 'NNP']	: 2	['changed', 'VBN']	: 2	['dimension', 'NNP']	: 2
['consist', 'VBP']	: 2	['real-world', 'JJ']	: 2	['ideas', 'NNS']	: 2
['established', 'VBN']	: 2	['study', 'VB']	: 2	['rate', 'NN']	: 2
<pre>['decentralized', 'VBN']</pre>	: 2	['behaviors', 'JJ']	: 2	['merging', 'VBG']	: 2
['demonstrate', 'VB']	: 2	['expression', 'NN']	: 2	['verifies', 'VBZ']	: 2
['requires', 'VBZ']	: 2	['operational', 'JJ']	: 2	['bring', 'VB']	: 2
['latent', 'NN']	: 2	['raise', 'VBP']	: 2	['ranks', 'NNS']	: 2
['constraints', 'NNS']	: 2	['influences', 'VBZ']	: 2	['rejects', 'VBZ']	: 2

1.1FII.D_Typrogramm_cnipsercc_relation.vvirequence	WF1 10005.LXL				2010年7月10日 9.42
['draw', 'VB']	: 2	['implementation', 'NN']	: 2	['indirect', 'JJ']	: 2
['compare', 'VB']	: 2	<pre>['state-of-the-art', 'JJ'] ['organizational', 'JJ'] ['service', 'NN']</pre>	: 2	['predicting', 'VBG']	: 2
<pre>['compare', 'VB'] ['observing', 'VBG'] ['shift', 'NN']</pre>	: 2	['organizational', 'JJ']	: 2	['clear', 'JJ']	: 2
['shift', 'NN']	: 2	['service', 'NN']	: 2	['unknown', 'JJ']	: 2
['nor', 'NNP']	: 2	['developed', 'VBD']	: 2	['wrong', 'JJ']	: 2
['origin', 'NN']	: 2	['projection', 'NN']		['simple', 'JJ']	: 2
['reason', 'NN']	: 2	['companies', 'NNS']		['combining', 'VBG']	: 2
['related', 'VBN']	: 2	['built', 'VBN']	: 2	['collect', 'VBP']	: 2
['revision', 'NN']	: 2	['carries', 'VBZ']	: 2	['consumers', 'NNS']	: 2
['generally', 'RB']	: 2	['co-evolution', 'NN']	: 2	['candidates', 'NNS']	: 2
['turing', 'NN']	: 2	['obtaining', 'VBG']	: 2	['obtained', 'VBN']	: 2
['space', 'NNP']	: 2	['inventors', 'NNS']	: 2	['intensive', 'JJ']	
['opportunities', 'NNS']		['experienced', 'VBN']		['1989', 'CD']	: 2
['extending', 'VBG']	: 2	['once', 'RB']	: 2	['optimizing', 'VBG']	: 2
['planetary', 'JJ']	: 2		: 2	['structure' 'VB']	: 2
['tree', 'NN']	: 2	<pre>['statistical', 'JJ'] ['e-science', 'JJ']</pre>	: 2	['structure', 'VB'] ['throughout', 'IN'] ['capable', 'JJ']	: 2
['citing', 'VBG']	: 2	['planets', 'NNS']	: 2	['canable', 'JJ']	: 2
['isolated', 'JJ']		['hot', 'JJ']	: 2	['he', 'PRP']	: 2
['proposal', 'NN']		['meanings', 'NNS']	: 2	['field', 'NN']	: 2 : 2
['importance', 'NN']	: 2	['mappings', 'NNS']	: 2	['1996', 'CD']	: 2 : 2
['facilitate', 'VBP']	: 2 : 2	[!constant! !II!]	: 2 : 2	['conclusion', 'NN']	: 2
['groups', 'NNS']	: 2 : 2	<pre>['constant', 'JJ'] ['classified', 'VBN']</pre>	: 2 : 2	['thief', 'NN']	: 2
['scanning', 'VBG']	: 2 : 2	['johannes', 'NNP']	. 2	['security', 'NN']	: 2 : 2
['different', 'VBG']					: 2
	: 2 : 2	['streams', 'NNS']		['free', 'JJ']	: 2 : 2
['applying', 'VBG']		['newton', 'NNP']		['sensing', 'VBG']	
['plato', 'NNP']	: 2 : 2	['understand', 'VBP']	: 2 : 2	['institutions', 'NNS']	: 2 : 2
['globalization', 'NN']	: 2	['separate', 'JJ']		['water', 'NN']	
['model', 'VB']	: 2	['avoid', 'VB']	: 2	['large-scale', 'JJ']	: 2
['process', 'VBP']	: 2	['constructed', 'VBN']	: 2	['distributed', 'JJ']	: 2
['themselves', 'PRP']		['together', 'RP']		['lowering', 'VBG']	
['axioms', 'NNS']	: 2	['joining', 'VBG']		['control', 'NN']	
['mechanics', 'NNS']	: 2	['modeled', 'VBN']	: 2	['makes', 'VBZ']	: 2
['influences', 'NNS']	: 2	['generalized', 'VBN']	: 2	['innovations', 'NNS']	: 2
['engineer', 'NN']	: 2	['six', 'CD']	: 2	['carry', 'VB']	: 2
['smart', 'JJ']	: 2	<pre>['explaining', 'VBG']</pre>	: 2	['operate', 'VBP']	: 2
['improved', 'VBN']		['google', 'NNP']	: 2	['live', 'VBP']	: 2
['consistent', 'JJ']		['attract', 'VB']		['plan', 'NN']	: 2
['disclose', 'VB']	: 2	['see', 'VB']	: 2	['say', 'VBP']	: 2
['enough', 'JJ']	: 2	['popper', 'NNP']	: 2	['e.g.', 'UH']	: 2
['owl', 'NNP']	: 2	['visualization', 'NN']	: 2	['request', 'VBP']	: 2
['hope', 'VBP']	: 2	['evolving', 'NNP']	: 2	['tasks', 'NNS']	: 2
['matches', 'VBZ']	: 2	['meet', 'VB']	: 2	['inspiration', 'NN']	: 2
['extension', 'NN']	: 2	['stages', 'NNS']	: 2	['split', 'VBN']	: 2
['normalize', 'VB']	: 2	['prices', 'NNS']	: 2	['constructionism', 'NN']	: 2
['electric', 'JJ']	: 2	['representation', 'VB']	: 2	['challenges', 'NNS']	: 2
['map', 'NN']	: 2	['proved', 'VBN']	: 2	['objective', 'JJ']	: 2
['eat', 'VB']	: 2	['rejected', 'VBN']	: 2	['et', 'CC']	: 2
['students', 'NNS']	: 2	['readers', 'NNS']	: 2	['major', 'JJ']	: 2
['moreover', 'RB']	: 2	['made', 'VBN']	: 2	['concept-level', 'JJ']	: 2

	ooo.txt				2010-17110H 01-12
<pre>['psychologists', 'NNS'] ['low-level', 'JJ'] ['maintained', 'VBN']</pre>	: 2	['bush', 'NNP']	: 2	['needed', 'VBN'] ['1945', 'CD'] ['2012', 'VBZ']	: 2
['low-level', 'JJ']	: 2	['bush', 'NNP'] ['false', 'JJ'] ['tycho', 'NNP']	: 2	['1945', 'CD']	: 2
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['connecting', 'VBG']	: 2	['disposal', 'NN']	. 2	['identifying', 'VBG']	: 2
['standards', 'NNS']	: 2	['compute', 'VB']	: 2	['essence', 'NN']	: 2
['estimating', 'VBG']	• 2	['digital', 'JJ']	• 2	['systems', 'NNPS']	: 2
['introduction', 'NN']	• 2	['comprehensive' '.T.T']	• 2	['observe' 'VR']	: 2
['austomor' 'NN']	• 2	<pre>['digital', 'JJ'] ['comprehensive', 'JJ'] ['distinguished', 'VBN'] ['rational', 'JJ']</pre>	• 2	<pre>['observe', 'VB'] ['unconventional', 'JJ']</pre>	: 2 : 2
[cuscomer , NN]	. 2	[distinguished , VBN]	. 2	['discussion', 'NN']	: 2 : 2
['introduction', 'NN'] ['customer', 'NN'] ['understandings', 'NNS']	. 2	['tested', 'VBN']	: 2		: 2 : 2
[recrieve , vb]	• ∠			['lack', 'NN']	
['emerges', 'VBZ']	: 2	['long', 'JJ']	: 2	['coordination', 'NN']	: 2
['fayyad', 'NNP']	: 2	['box', 'NNP']	: 2	['extracted', 'VBN']	: 2
['thousands', 'NNS'] ['knowledge-processing', 'JJ'] ['references', 'NNS'] ['warehouse', 'NN']	: 2	['sparrow', 'NNP'] ['provided', 'VBN'] ['impacts', 'NNS']	: 2	['analysts', 'NNS'] ['chain', 'NN'] ['single', 'JJ']	: 2
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['references', 'NNS']	: 2	['impacts', 'NNS']	: 2	['single', 'JJ']	: 2
['warehouse', 'NN']	: 2	['examine', 'VBP']	: 2	['1980', 'CD']	: 2
['verified', 'VBN']	: 2	['memex', 'NN']	: 2	['modeling', 'VB']	: 2
<pre>['verified', 'VBN'] ['repeated', 'VBN']</pre>	: 2	['predict', 'VB']	: 2	['leaving', 'VBG']	: 2
['recognize', 'VB']	: 2	['middle-level', 'JJ']	: 2	['following', 'NN']	: 2
['recognize', 'VB'] ['i.e.', 'NNP'] ['1995', 'CD']	: 2	['attention', 'NN']	: 2	['following', 'NN'] ['critical', 'JJ'] ['otherwise', 'RB'] ['1982', 'CD']	: 2
['1995', 'CD']	: 2	['statuses', 'NNS']	: 2	['otherwise', 'RB']	: 2
['translation', 'NN']	. 2	['aims'. 'NNS']	. 2	['1982', 'CD']	: 2
['link', 'VB']	: 2	['active', 'JJ']	: 2	['manufacturing', 'NNP']	: 2
['condition', 'NN']		['complicated', 'VBN']		['top', 'JJ']	: 2
[CONDICTION , NN]	• 2	[complicated , VBN]	• 2	['physics' 'NNC']	
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[computed , VBN]	. 2	[didiySis , NNF]	. 2	['networking', 'NN'] ['adoption', 'NN'] ['insightful', 'JJ'] ['2005', 'CD'] ['expert', 'NN']	. 2 : 2
['generated', 'JJ']	. 2	['evolving', 'JJ']	: 2	['adoption', 'NN']	: 2 : 2
['man', 'NN']	: 2	['Successiul', 'Jo']	; ∠	['Insigntiul', 'JJ']	: 2
['dual', 'JJ']	: 2	['air', 'NN']	: 2	['2005', 'CD']	: 2
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['up', 'RP']	: 2	['trajectory', 'NN']	: 2	['run', 'VBP']	: 2
['customers', 'NNS']	: 2	['incorporating', 'VBG']	: 2	['quality', 'NN']	: 2
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['sql', 'NNP']	: 2	<pre>['incorporating', 'VBG'] ['operates', 'VBZ'] ['enhanced', 'VBN']</pre>	: 2	['cyber-physical', 'NNP']	: 2
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['topics', 'NNS']	: 2	['thing', 'NN']	: 2	['connectionism', 'NN']	: 2
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['integrating', 'VBG']	: 2	<pre>['licklider', 'NNP'] ['analyzers', 'NNS'] ['monitoring', 'NN']</pre>	: 2	<pre>['quantity', 'NN'] ['human-to-human', 'JJ'] ['graph-based', 'JJ']</pre>	: 2
['expertise', 'NN']	: 2	['analyzers', 'NNS']	: 2	['human-to-human', 'JJ']	: 2
['designers', 'NNS']	: 2	['monitoring', 'NN']	: 2	['graph-based', 'JJ']	: 2
['since', 'IN']	: 2	['answering', 'NN']	: 2	['unknown', 'NN']	: 2
['inspires', 'VBZ']	: 2	['consumer', 'NN']	: 2	['that', 'DT']	: 2
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['collecting', 'VBG']	: 2	['neglect', 'VB']	: 2	['created', 'VBN']	: 2 : 2
			: 2 : 2		: 2 : 2
['mccarthy', 'NNP']	: 2	['distinguish', 'VB']		['4th', 'JJ']	
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['speed', 'NN']	: 2	['feasible', 'JJ']	: 2	['tries', 'VBZ']	: 2
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['under', 'IN']	: 2	<pre>['transmission', 'NN'] ['hadoop', 'NNP'] ['store', 'VB']</pre>	: 2	<pre>['knowledge', 'JJ'] ['projections', 'NNS'] ['grow', 'VB'] ['connect', 'VBP'] ['cause-', 'JJ'] ['go', 'VB']</pre>	: 2
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['ontology', 'NNP']	: 2	['store', 'VB']	: 2	['arow', 'VB']	: 2
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['locate'. 'VB'l	• 2	['main'. '.T.T']	• 2	['cause='. '.T.T']	• 2
['classes'. 'NNS']	• 2	['clarifying'. 'VBG']	• 2	['ao'. 'VB']	: 2
['much' 'RB']	• 2	['maximizing' 'VBG']	• 2	['cause-', 'JJ'] ['go', 'VB'] ['consider', 'VB'] ['shortcomings', 'NNS'] ['gradually', 'RB']	: 2
[!indicas! !NNS!]	• 2	[!open! !NND!]	• 2	['shortcomings' 'NNS']	: 2
[!accesibility! !NN!]	• 2	[cpcii , www]	• 2	['aradually' 'DD']	: 2
['ontology', 'NNP'] ['summarize', 'VB'] ['locate', 'VB'] ['classes', 'NNS'] ['much', 'RB'] ['indices', 'NNS'] ['accessibility', 'NN'] ['retrieving', 'VBG']	. 2	[Summarization , NN]	• 2	['generalize', 'VB']	: 2 : 2
[lettreving , vbg]	. 2	[environments , NNS]	. 2		
[abstract , oo]	. 2	<pre>['mature', 'JJ'] ['knowledge-based', 'JJ']</pre>	. 2	['astronomy', 'NN']	
['abstract', 'JJ'] ['ultimately', 'RB'] ['enrich', 'VB'] ['why', 'WRB'] ['respectively', 'RB']	. 2	[knowledge-based, 00]	. 2	['broader', 'JJR']	. 2
[.euricu.' .AB.]	: 2	['macroscopic', 'JJ']	: 2	['Standard', 'NN']	: 2
['Wny', 'WRB']	: 2	['macroscopic', 'JJ'] ['very', 'RB'] ['on', 'RP'] ['specify', 'VB']	: 2	<pre>['standard', 'NN'] ['instance', 'NN'] ['progress', 'NN'] ['veracity', 'NN']</pre>	: ∠
['respectively', 'RB']	: 2	['on', 'RP']	: 2	['progress', 'NN']	: 2
l'onfologies', 'NNS'I	• /	['specity', 'VB']	: 2	['veracity', 'NN']	: 2
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['nowadays', 'RB']	: 2	['attracted', 'VBN']	: 2	['http://www.ibm.com/big-data	', 'NNP']:
1					
	: 1	['rapid', 'JJ']	: 1	['reber', 'NNP']	: 1
['fix', 'NN']	: 1	['roads', 'NNS']	: 1	['physically', 'RB'] ['already', 'RB']	: 1
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['1958', 'CD']	: 1	['emerge', 'VB']	: 1	['impressed', 'VBN']	: 1
['case', 'NN']	: 1	['called', 'VBN']	: 1	['dean', 'NNP']	: 1
['controlling', 'VBG']	: 1	['15', 'CD']	: 1	['invented', 'VBN']	: 1
['relies', 'NNS']	: 1	l'Agtahlighing' '.l.l'l	•	l'environment', 'NNP'l	<u>.</u>
['globus', 'NNP']		[[[[[[[[[[[[[[[[[[[[. 1	[al a la +	. 1
['guaranteed', 'VBN']	: 1	['involved', 'VBN'] ['states', 'NNPS'] ['sviokla', 'NNP'] ['can', 'VB']	: 1	['age', 'NN']	: 1
['raising', 'VBG']	· - • 1	['sviokla', 'NNP']	: 1	['starts'. 'NNS']	: 1
['the', 'NNP']	: 1 : 1 : 1	['can'. 'VB']	• 1	['visualization'. 'VB']	: 1
['project', 'NN']	• 1	['consumption' 'NN']	· 1	['nlanning' 'VBG']	: 1
['streaming', 'NN']	• ± • 1	['ZOOMS' 'VRZ']	· 1	['loan' 'NN']	: 1
[!fatched! !VRN!]	• 1	['subspaces' 'NNS']	• 1	['decidable' '.T.T']	: 1
[ldata! !VPC!]	• 1	['howo' 'NND']	• ± • 1	[decidable , oo]	: 1
[data , VDG]	• ± • 1	[nowe , nnr]	• ± • 1	[SOLIC , OO]	: 1
['fetched', 'VBN'] ['data', 'VBG'] ['earth', 'NN'] ['26', 'CD'] ['locations', 'NNS']	• 1 • 1	['Involved', 'VBN'] ['states', 'NNPS'] ['sviokla', 'NNP'] ['can', 'VB'] ['consumption', 'NN'] ['zooms', 'VBZ'] ['subspaces', 'NNS'] ['howe', 'NNP'] ['passive', 'JJ'] ['over', 'RB'] ['restriction', 'NN']	• 1	[!co-constitute! !TT!]	: 1
[20 , CD]	• 1	[OVEL , KB]	• 1	[co-constitute , oo]	• 1 - 1
['IOCALIONS', 'NNS']	; <u>1</u>	['restriction', 'NN']	; <u>1</u>	['Save', 'JJ']	: 1
['acquired', 'VBN']	: 1	[SIOWING , VDG]	• ±	[reciprocity , NN]	• ±
['business', 'NNP']	: 1	['implicated', 'VBN']	: 1	['minimum', 'JJ']	: 1
['inspiring', 'VBG']	: 1	['donation', 'NN']	: 1	['localize', 'VB']	: 1
['constructing', 'VBG']	: 1	['berger', 'NNP']	: 1	['recite', 'NN']	: 1
['used', 'VBD'] 1	: 1	['shaping', 'VBG']	: 1	['https://translate.google.co	m', 'NNP']:
['non-trivial', 'JJ']	: 1	['apple', 'NN']	: 1	['unformulated', 'JJ']	: 1
['daily-life', 'JJ']	: 1	['philosophers', 'NNS']	: 1	['1999', 'VBZ']	: 1
['classes', 'NNP']	: 1	['coincides', 'VBZ']	: 1	['address', 'VB']	: 1

	70.000				
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['halevy', 'NNP']	: 1	<pre>['method', 'VB'] ['fragmentary', 'JJ'] ['subset', 'NN']</pre>	: 1	['go', 'VBP'] ['cyberspace', 'VBG']	: 1
['branches', 'NNS']	: 1	['subset', 'NN']	: 1	[Landa and and LITE CL1	: 1
['structured'. 'VBN']	: 1	['author', 'NN']	: 1	['separation', 'NN']	· 1
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['24', 'CD']	· 1	['logically' 'RB']	• 1	['raw', 'JJ']	• 1
['discover' 'NND']	• 1	[logically / RD]	• 1	['narticipation' 'NN']	• ± • 1
[discover , NNI]	• ± • 1	[locariatom! INN!]	• 1	[participation , NN]	• ± • 1
[cigei , NN]	• 1	[ecosystem , NN]	• 1 • 1	[Lacebook , NNF]	• ± . 1
['synthesis', 'NN']	; <u>1</u>	['linking', 'VBD']	: 1	['outputs', 'VBZ']	: 1 : 1
['Synthesis', 'NN']	: 1			['Outputs', 'VBZ']	: 1
['pre-defined', 'JJ']	: 1	['accepting', 'VBG']	: 1	['prediction', 'NN']	: 1
['birth', 'NN']	: 1	['strings', 'NNS']	: 1	['almost', 'RB']	: 1
<pre>['birth', 'NN'] ['coordinates', 'VBZ'] ['both', 'CC'] ['shrinks', 'VBZ']</pre>	: 1	['proven', 'VBN']	: 1	<pre>['splits', 'VBZ'] ['cradle-to-cradle', 'JJ'] ['preservation', 'NN']</pre>	: 1
['both', 'CC']	: 1	['event', 'CD']	: 1	['cradle-to-cradle', 'JJ']	: 1
['shrinks', 'VBZ']	: 1	['structured', 'NNP']	: 1	['preservation', 'NN']	: 1
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['indicator', 'NNP'] ['explaining', 'VBD'] ['transforming', 'VBG']	: 1	['strengthens', 'VBZ']	: 1	['both', 'PDT']	: 1
['transforming', 'VBG']	: 1	['discovered', 'VBD']	: 1	['sense', 'VBP']	: 1
['self-motivation', 'NN']	: 1	['tf-idf', 'NNP']	: 1	['contexts', 'NNS']	: 1
['e.g.', 'VBP']	: 1	['actuators.it', 'NN']	: 1	['wise', 'JJ']	: 1
['categorization', 'NN']	: 1	['blood', 'NN']	: 1	['data-to-data', 'VB']	: 1
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['independency'. 'NN']	• 1	['recommend'. 'NNP']	• 1	['take'. 'VB']	• 1
['specification' 'NN']	· 1	['universe' 'NN']	· 1	['bottom-up' 'NN']	• 1
['hase' 'NN']	• 1	['cyber-physical' '.T.T']	• ± • 1	['workshops' 'NNS']	• ± • 1
<pre>['explaining', 'VBD'] ['transforming', 'VBG'] ['self-motivation', 'NN'] ['e.g.', 'VBP'] ['categorization', 'NN'] ['assigned', 'VBN'] ['independency', 'NN'] ['specification', 'NN'] ['base', 'NN'] ['base', 'NN'] ['knowledge', 'VBP'] ['transforming', 'VB'] ['improving', 'VBG'] ['e.g.', 'VB']</pre>	• ± • 1	[Cyper physical , oo]	• ± • 1	[lownerienges! IVP7!]	• ± • 1
[knowledge , vbr]	• 1	[Inresented! IVDN!]	• 1	[experiences , VB2]	• ± • 1
[transforming , vb]	. 1	[presented , VBN]	• 1	[feciliking , VBG]	• ± • 1
['e.g.', 'VB']	· 1	['leacure', 'NN']	; <u>1</u>	['laciticate', 'VB']	: 1
[0.9. / 12]					
['rendering', 'VBG']	: 1	['project', 'NNP']	: 1	['nign-tech', 'JJ']	: 1
['processing', 'NNP']	: 1	['discharge', 'NN']	: 1	['mid-term', 'JJ']	: 1
['http://hadoop.apache.og', 'VBG']] : 1	['accidently', 'RB']	: 1	['human-machine', 'JJ']	: 1 : 1
['bell', 'NNP']	: 1	['scanning', 'NNP']	: 1	['intricately', 'RB']	: 1
['bell', 'NNP'] ['rules', 'VB']	: 1	['project', 'NNP'] ['discharge', 'NN'] ['accidently', 'RB'] ['scanning', 'NNP'] ['towards', 'IN']	: 1	['researches', 'NNS']	: 1
['estimated', 'VBN']	: 1	['https://smartmanufacturingcoali	tion.org',	'VBG']: 1 ['renders',	
'VBZ'] : 1					
['symbiotic', 'JJ']	: 1	['arrows', 'NNS']	: 1	['cat', 'NN']	: 1
['base', 'NNP']	: 1	['supply', 'NN']	: 1	['1928', 'CD']	: 1
['base', 'NNP'] ['estimate', 'VB'] ['loops', 'NNS']	: 1	<pre>['supply', 'NN'] ['community-infrastructure', 'JJ' ['names', 'NNS']</pre>] : 1	['clusters', 'NNS']	: 1
['loops', 'NNS']	: 1	['names', 'NNS']	: 1	['agent', 'NN']	: 1
['closing', 'VBG']	: 1	['braher', 'NNP']	: 1	['fcm', 'NNP']	: 1
['psychology', 'NN']	: 1	['publications', 'NNS']	: 1	['hofman', 'NNP']	: 1
['storing', 'VBG']	: 1	['tolman', 'NNP']	: 1	['road', 'NN']	: 1
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['available', 'JJ']	: 1	['proof', 'NN']	: 1	['curation', 'VB']	: 1
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	: 1	['grounding', 'NN']	: 1	['biological', 'JJ']	: 1
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['metaphors', 'NNS']	: 1	['close-loop', 'JJ']	: 1	['reasoning', 'JJ']	: 1

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['psychological', 'JJ']	: 1	<pre>['answer', 'NN'] ['fodor', 'VB'] ['deepest', 'JJS'] ['hundred', 'CD'] ['quits', 'VBZ'] ['externalizing', 'VBG'] ['supervise', 'VBP'] ['either', 'RB'] ['distinguishing', 'VB'] ['equip', 'VB'] ['serve', 'VB'] ['detail', 'NN'] ['simply', 'RB'] ['stablishment', 'NN'] ['doing', 'VBG'] ['slow', 'JJ'] ['human-data-human', 'JJ'] ['wasted', 'VBD'] ['receives', 'VBZ'] ['determined', 'VBN'] ['representatives', 'NNS'] ['advocated', 'VBD'] ['publish', 'UH'] ['change', 'NN'] ['mcafee', 'VB'] ['debate', 'NN'] ['understandings', 'VBZ'] ['structuring', 'VBG'] ['+5', 'CD'] ['smart', 'NNP'] ['assess', 'VB'] ['connectionist', 'NN'] ['currently', 'RB'] ['reasons', 'NNS'] ['12', 'NNP'] ['examining', 'VBG'] ['impression', 'NN'] ['deploy', 'VB'] ['deploy', 'VB']</pre>	: 1	['epistemological', 'JJ']	: 1
['11', 'CD']	: 1	['fodor', 'VB']	: 1	['describing', 'VBG']	: 1
['html-based', 'JJ']	: 1	['deepest', 'JJS']	: 1	['changes', 'VBZ']	: 1
['socio-technical', 'JJ']	• 1	['hundred', 'CD']	: 1	['categorizing', 'VBG']	: 1
['human-to-data'. 'JJ']	• 1	['quits'. 'VBZ']	• 1	['distinguished'. 'JJ']	• 1
['normalizing' 'VRG']	• - • 1	['externalizing' 'VBG']	• ±	['specially' 'RR']	• 1
[!o+! !DD!]	• 1	['emportaine' 'VPD']	• 1	[Specially , RD]	• ± • 1
['eunnorting' 'IT']	• 1	[Supervise , VBI]	• ± • 1	['analogg' 'NNS']	• ± • 1
[supporting , oo]	• ±	[distinguishing! IVD!]	• ±	[analogs , NNS]	• ±
['femoving', 'JJ']	; <u>1</u>	['distinguishing', 'VB']	; <u>1</u>	['across', 'IN']	i 1
['Iraud', 'NN']	: 1	[.ednib.' .AB.]	: 1	['multi-agents', 'NNS']	: 1
['bluemix', 'NNP']	: 1	['serve', 'VB']	: 1	['government', 'NN']	: 1
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['short-term', 'JJ']	: 1	<pre>['transformed', 'VBD']</pre>	: 1	['iot', 'NNP']	: 1
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['bachman'. 'NNP']	• 1	['change'. 'NN']	• ±	['establishing'. 'NNP']	• 1
['coordinates' 'NN']	• -	['relevancy' 'NN']	• ±	['experience' 'VRP']	• 1
['formulated' 'VBN']	• 1	['mcafee' 'VR']	• ± • 1	['diamers' 'NNS']	• ± • 1
['enn' 'NN']	• ± • 1	['debate' 'NN']	• ±	['assumption' 'NN']	• ± • 1
[!roaroation! !NND!]	• ± • 1	[uebate , NN]	• ± • 1	[assumption , NN]	• ± • 1
[recreation , NNF]	• 1	[understandings , VBZ]	• 1	[expect , Vb]	• 1
[Corpus , NN]	• 1	[Structuring , VBG]	• 1	[TOSTEL , NNF]	• ±
[']ODS', 'NNS']	: 1	[+5 · , · CD ·]	; <u>1</u>	['carried', 'VBN']	: 1
[,1330g,', ,CD,]	; 1	['smart', 'NNP']	: 1	['Controllable', 'JJ']	: 1
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[varac , IVIVI]	• ±	L HAH / ININI J	• ±	[OIGHTILLACTORS , INNO]	• ±

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['co-constitution', 'NN']	: 1	['move', 'VB']	: 1	<pre>['vehicles', 'NNS'] ['neither', 'DT'] ['imaging', 'NN'] ['fahey', 'NNP']</pre>	: 1
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['http://www.research.ibm.com,			• ±		
	: 1	['enrich', 'VBP']	: 1	['14', 'CD']	: 1
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			: 1		
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[In 2! INND!]	• ± • 1	[piccure , VDZ]	• ± • 1	['deduced', 'VBN']	: 1
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[green , oo]	• ± • 1	[allows , VB2]	• ± • 1	[question answering , NN]	: 1
[Ladroscos! NNC!]	• 1	[proving , vbg]	• ± • 1	[Incompleteness , NNS]	: 1
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[graeuer , NNF]	• 1	[preventing , vbg]	• ± • 1	[propagate , vb]	: 1
[!cnhoros! !NNC!]	• ± • 1	[!roasonablo! !II!]	• ± • 1	['components' 'VD']	: 1
		[reasonable , oo]	• ± • 1	['computing.evolution', 'NN']	: 1
['1983', 'CD'] ['maintaining', 'VBG']	• 1	[linglics , NNS]	• ± • 1	[compacting.evolution , NN]	• 1
[Maintaining , VDG]	• 1	[abnormal , Ju]	• ±	[lamaritation INN!]	. 1
['KINGS', 'NNS']	. 1	['suggested', 'VBD']	: 1	['gravitation', 'NN']	. 1
[Semi-autonomous , NNS]	; <u>1</u>	['I'A', 'NNP']	: 1	[vector, NN]	• <u>1</u>
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[exprores , VBZ]	• ± • 1	[contribution , NN]	• ± • 1	[representation , oo]	• ± • 1
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1	• 1	[Deer , NN]	• 1	[www.ws.org/cr/owr reacures/ ,	00].
[!flowibly! !DD!]	• 1	[!nostoriori! !NNS!]	. 1	[!load! !VPD!]	: 1
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1	• +	[www.wo.org/tr/rar sparqr query	, , oo j. 1	[randing , ww]	•
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['break', 'VB']	: 1	['german', 'NNP']	: 1	['2011', 'JJ']	: 1
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['billion', 'CD']	• 1		, <u>1</u>	[Delote , IN]	: 1
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[lasmalstad! NDN!]	• 1			[muse, MD]	• 1
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W Pdic:					
_		itinga	. [ININCI]		
	00.]	writings	: ['NNS']		
homomorphism : ['NN']		magnetic	: ['NNP']		
four : ['CD']		heliocentric	: ['JJ']		
consists : ['VBZ']		prognostics	: ['NNS']		
consider : ['VB']		relationships	: ['NNS']		
prusak : ['NNP']		calculate	: ['VB']		
electricity : ['NN']		behaviours	: ['NNS']		

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-	: ['NNP', 'NN']	rational : ['JJ']
connects	: ['VBZ']	every : ['DT']
human-machine	: ['JJ']	reforms : ['NNS']
classifications	: ['NNS']	local-to-global : ['JJ']
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new	: ['JJ']	ever : ['RB']
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explained	: ['VBN']	highly : ['RB']
brought	: ['VBD']	http://www.ibm.com/big-data: ['NNP']
forums	: ['NNS']	landscape : ['NN']
m.	: ['NNP']	program : ['NN']
therefore	: ['RB']	recommend : ['VB', 'NNP', 'VBP']
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hold	: ['VB']	must : ['MD']
	: ['CD']	1993 : ['CD']
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	: ['CD']	1999 : ['CD', 'VBZ']
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theories	: ['NNS']	era : ['NN']
		- L = J

		A SECOND
concepts	: ['NNS', 'NNP']	example : ['NN']
data-driven	: ['JJ']	<pre>indicated : ['VBN']</pre>
give	: ['VB']	cited : ['VBN']
organized	: ['VBN']	updated : ['VBN']
involve	: ['VBP']	indicates : ['VBZ']
reviewing	: ['NN']	feasible : ['JJ']
attract	: ['VB']	guarantee : ['VB', 'NN']
end	: ['NN']	worldview : ['NNP', 'NN']
thing	: ['NN']	provide : ['VBP', 'VB']
verify	: ['JJ', 'VB']	feature : ['NN']
hofman	: ['NNP']	<pre>machine : ['NN']</pre>
far	: ['RB']	hot : ['JJ']
writers	: ['NNS']	significance : ['NN']
answer	: ['VB', 'NN']	ordinary : ['JJ']
cyberspace	: ['NN', 'VBG']	abstraction : ['NN']
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transforming	: ['VBG', 'VB']	turing : ['NN', 'NNP', 'VBG']
after	: ['IN']	methodology : ['NN', 'NNS']
input-output	: ['JJ']	misunderstanding : ['VBG']
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minimizes	: ['VBZ']	law : ['NN']
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sparql	: ['JJ']	effective : ['JJ']
think	: ['VB']	hypotheses : ['NNS']
lengths	: ['NNS']	maintain : ['VBP']
algorithms	: ['NNS', 'JJ']	correlation : ['NN']
operate	: ['VB', 'VBP']	data-intensive : ['JJ']
order	: ['NN']	reforming : ['VBG']
operations	: ['NNS']	restriction : ['NN']
interpretation	: ['NN']	feedback : ['NN']
over	: ['IN', 'RB']	satisfied : ['JJ']
un-computable	: ['JJ']	innovative : ['JJ']
satisfies	: ['VBZ']	url-based : ['JJ']
knowledge-intensive	e : ['JJ']	before : ['RB', 'IN']
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encapsulated	: ['VBN']	writing : ['VBG', 'NN']
better	: ['JJR', 'RBR']	production : ['NN']
then	: ['RB']	them : ['PRP']
reasonability	: ['NN']	combination : ['NN']
enrich	: ['VB', 'VBP']	break : ['VB']
penetration	: ['NN']	they : ['PRP']
represents	: ['VBZ']	classified : ['VBN']
reasonable	: ['JJ']	each : ['DT']
mean	: ['VB']	http://www.research.ibm.com/cognitive-computing:
['NN']		. 5 1 5-
telescope	: ['NNP']	independent : ['JJ']
principles	: ['NNS']	generative : ['JJ']
literature	: ['NN']	combining : ['VBG']
stream	: ['NN']	extract : ['VB']

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clauset	: ['NNP']	conjectures	: ['VBZ', 'NNS']
independency	: ['NN']	network	: ['NN', 'NNP']
driving	: ['VBG']	restricted	: ['VBN']
mccarthy	: ['NNP']	content	: ['NN']
adapt	: ['VB']	reader	: ['NN']
problem-solving	: ['JJ', 'NNP']	xu	: ['NNP']
foundation	: ['NN']	linear	: ['NNP']
free	: ['JJ']	standard	: ['JJ', 'NN']
sensory	: ['NNS']	formation	: ['NN']
detecting	: ['JJ']	r1	: ['NNP']
r2	: ['NNP']	created	: ['VBN']
starts	: ['NNS', 'VBZ']	correctness	: ['JJ', 'NNS', 'NN']
+3	: ['CD']	+2	: ['CD']
+5	: ['CD']	unknown	: ['JJ', 'NN']
onto	: ['IN']	user	: ['NN']
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researches	: ['NNS', 'NN']	rank	: ['NN']
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implicated	: ['VBN']	cartesian	: ['JJ']
bottom-up	: ['NN']	service	: ['NN']
similarly	: ['RB']	top	: ['JJ']
engagement	: ['NN']	goldbach	: ['NNP']
plentiful	: ['JJ']	needed	: ['VBN']
too	: ['RB']	corpus	: ['NN']
john	: ['NNP']	insightful	: ['JJ']
cyber-concept	: ['NN']	enhancing	: ['VBG']
tool	: ['NN']	albert	: ['NNP']
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distance	: ['NN']	target	: ['NN']
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mind	: ['NN']	co-evolution	: ['NN']
raw	: ['JJ']	increment	: ['NN']
contents	: ['NNS']	1969	: ['CD']
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competitors	: ['NNS']	points : ['NNS']
principle	: ['NN', 'VB']	enterprise : ['NN']
consumer	: ['NN']	section : ['NNP', 'NN']
reserve	: ['NN']	planetary : ['JJ']
inspire	: ['VB', 'NN']	one-dimensional : ['JJ']
solutions	: ['NNS']	participate : ['VB']
earth	: ['NN']	make : ['VB', 'VBP']
latent	: ['NN']	proposed : ['VBD', 'VBN']
implementation	: ['NN']	explain : ['VB']
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do	: ['VBP', 'VB']	explorations : ['NNS']
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countries	: ['NNS']	fields : ['NNS']
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automatic	: ['JJ']	steam : ['NN']
habit	: ['NN']	observed : ['JJ', 'VBD', 'VBN']
analytics	: ['NNS', 'JJ']	depends : ['VBZ']
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correlational	: ['JJ']	techniques : ['NNS']
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continually	: ['RB']	unable : ['JJ']
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we	: ['PRP']	extend : ['VB']
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receives	: ['VBZ']	requests : ['NNS', 'VBZ']
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engines	: ['NNS']	basis : ['NN']
simplification	: ['NN']	three : ['CD']
been	: ['VBN']	quickly : ['RB']
actuators.it	: ['NN']	beer : ['NN']
much	: ['RB']	interest : ['NN']

1.1FII.D_T\program\cirpse\cc_re	Jacon	••III equence	TAVI I 10003.LAL		2010年7月10日 5.42
basic	:	['JJ']		transformed	: ['VBN', 'VBD']
dynamically	:	['RB']		location	: ['NN']
life		['NN']		observatory	: ['NN']
argument		['NN']		input	: ['VB', 'NN']
applied		['VBN']]	save	: ['JJ']
reciprocal		['JJ']		halevy	: ['NNP']
www.w3.org/rdf/		['NNP']]	air	: ['NN']
aim			'NN']	property	: ['NN']
davenport		['NNP']		procedure	: ['NN']
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it			'NNP']	experts	: ['NNS']
in		['IN',		interacts	: ['VBZ']
if		['IN']	•	specialization	: ['NN']
perform			, 'VB']	suggest	: ['VBP']
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roland		['NNP']		split	: ['VBN', 'NN']
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grows		['VBZ']	1	inventors	: ['NNS']
evolve		-	, 'VB']	commonsense	: ['JJ', 'NN']
social			'NNP']	hand	: ['NN']
opportunity		['NNP']		normalization	: ['NN', 'NNP']
cycle		['NN']	1	simulates	: ['VBZ']
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1975		['CD']	CD]	1974	: ['CD']
inherit		['VB']		1970	: ['CD']
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non-trivial			NNP]	unified	: ['NNS']
		['JJ']			: ['JJ']
just		['RB']	1	unemployment	: ['NN']
newton		['NNP']		assigned	: ['VBN']
identify		['VB']	LAINT LAINTD L	transforms	: ['VBZ']
human			'NN', 'NNP']	facts	: ['NNS']
previous		['JJ']		visualization	: ['VB', 'NNP', 'NN']
designers		['NNS']		candidate	: ['NN']
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had		['VBD']		passive	: ['JJ']
graedel		['NNP']		collections	: ['NNS']
massively		['RB']		easy	: ['JJ']
has		['VBZ']		which	: ['WDT']
possible		['JJ']		objective	: ['JJ']
fusion		['NN']		birth	: ['NN']
depicts		['VBZ']]	advanced	: ['JJ']
desire		['NN']		psychological	: ['JJ']
specific		['JJ']		misled	: ['VBN']
steps	:	['NNS']]	common-purpose	: ['JJ']

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security :	['NN']		['NN']
facets :	['NNS']	dean :	['NNP']
trained :	['VBN']	people :	['NNS']
born :	['VBN']	statistic :	['NN']
indirect :	['JJ']	short-term :	['JJ']
socio-technical :	['JJ']		['IN']
comments :	['NNS']		['NN']
arrest :	['NN']	participation :	['NN']
core :	['NN', 'JJ']	_	['NNS']
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	['NNS']		['NNS']
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-	['VBG', 'JJ']	2	['NNS']
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	['CD']		['VBG']
	['NNP']		['VB', 'VBP']
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	['JJ']		['JJ']
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	['VBP']		["''"]
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_	['RB']		['NN']
	['NN']	——————————————————————————————————————	['VBG']
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developers :	['NNS']		['VB']
	['NN', 'VB']	-	['VBZ']
	['POS']		['NNS']
sql :	['NNP']	discharge :	['NN']

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billion	: ['CD']	longer	: ['RB', 'RBR']
together	: ['RP']	time	: ['NN']
n1	: ['NNP']	n2	: ['NNP']
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chain	: ['NN']	reviewers	: ['NNS']
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leads	: ['VBZ', 'NNS']	roy	: ['NNP']
manages	: ['VBZ']	computation	: ['NN']
displaying	: ['VBG']	layers	: ['NNS']
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condition-action	: ['JJ']	graph	: ['NN']
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discovering	: ['VBG']	analogous	: ['JJ']
advantage	: ['NN']	k.j.holyoak	: ['NNP']
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cook	: ['NNP']	join	: ['VB', 'JJ']
exact	: ['JJ']	presented	: ['VBN']
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item	: ['NN']	science	: ['NN', 'NNP']
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trend	: ['NN']	dealing	: ['VBG']
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unrepresented	: ['JJ']	cost	: ['NN']
shares	: ['VBZ']	uniform	: ['NNP']
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rationalizes	: ['VBZ']	satisfy	: ['VB']
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meta-cognitive	: ['JJ']	understanding	: ['NN', 'VBG']
water	: ['NN']	upgrade	: ['VB']
groups	: ['NNS']	address	: ['NN', 'VB']
along	: ['IN']	change	: ['VBP', 'NN']
box	: ['NNP']	institute	: ['NNP']
shift	: ['NN', 'VB']	studied	: ['VBN']
commonly	. [NN , VB] : ['RB']	spheres	: ['NNS']
<u> </u>	. [RB] : ['RB']	-	: ['NNP']
usually		resonance	
conveniently	: ['VB']	studies	: ['VBZ']
genuinely	: ['RB']	emerge	: ['VB']
tasks	: ['NNS']	inference	: ['NN']
perspectives	: ['NNS']	flexibility	: ['NN']
logically	: ['RB']	reinvention	: ['NN']
should	: ['MD']	market	: ['NN']
working	: ['VBG']	prove	: ['VB']
positive	: ['JJ']	predictions	: ['NNS']
hilbert	: ['NNP']	live	: ['VBP']

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memory	: ['NN']	scope	: ['NN']
selects	: ['VBZ']	theoretical	: ['JJ']
sharing	: ['NN', 'VBG']	analogical	: ['JJ', 'NN']
outputs	: ['VBZ']	minsky	: ['NNP']
cases	: ['NNS']	effort	: ['NN']
capturing	: ['NNP']	insights	: ['NNS', 'NNPS']
organizations	: ['NNS']	ibm	: ['NNP']
thousands	: ['NNS']	flu	: ['NNP', 'NN']
cat	: ['VB', 'NN']	diverse	: ['JJ']
harmonious	: ['JJ']	renders	: ['VBZ']
can	: ['MD', 'VB']	growing	: ['VBG']
making	: ['VBG']	petabytes	: ['NNS']
claim	: ['NN']	figure	: ['NNP', 'NN']
predict	: ['VB']	expanding	: ['VBG']
agent	: ['NN']	meta-model	: ['VBZ']
topic	: ['NN', 'VB']	coincident	: ['JJ']
heckerman	: ['NNP']	dennis	: ['NNP']
pre-defined	: ['JJ']	requirements	: ['NNS']
discussion	: ['NN']	fourth	: ['JJ']
divides	: ['VBZ']	economy	: ['NN']
map	: ['VB', 'VBP', 'NN', 'NNP']	product	: ['NN']
explores	: ['VBZ']	huge	: ['JJ']
may	: ['MD']	applications	: ['NNS']
smoot	: ['NNP']	designed	: ['VBN']
improving	: ['VBG', 'VB']	such	: ['JJ', 'PDT']
cradle-to-cradle	: ['JJ']	journals	: ['NNS']
grow	: ['VB']	man	: ['NN']
natural	: ['JJ']	sectors	: ['NNS']
conscious	: ['JJ']	explicit	: ['JJ']
so	: ['RB', 'IN', 'CC']	definitions	: ['NNS']
webpage	: ['NN']	indeed	: ['RB']
mainly	: ['RB']	years	: ['NNS']
stability	: ['NN']	structuring	: ['NNP', 'VBG']
experiments	: ['NNS']	statistical	: ['JJ']
equip	: ['VB']	still	: ['RB']
observational	: ['JJ']	derive	: ['VB']
group	: ['NN']	how	: ['WRB', 'JJ']
interesting	: ['JJ']	jim	: ['NNP']
globalization	: ['NN']	coordinates	: ['NNP', 'NN', 'VBZ']
forms	: ['NNS', 'VBZ']	platform	: ['NN']
	sparql-query/: ['JJ']	consti	
policy	: ['NN']	coordinated	: ['VBN']
main	: ['JJ']	into	: ['IN']
happened	: ['VBD']	within	: ['IN']
halt	. ['VB']	unveiling	: ['VBG']
views	: ['NNS']	matches	. ['VBG] : ['VBZ']
evolution	: ['NN']	records	: ['VBZ'] : ['VBZ']
1950	: ['CD']	semiotics	: ['NNS']
		1958	-
not	: ['RB']	1900	: ['CD']

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nor	:	['CC',	'NNP']	rendering	: ['VBG']
cognition			'JJ', 'NNP']	arrows	: ['NNS']
establishing			, 'VBG', 'JJ']	realistic	: ['JJ']
rethinking		['VBG'		domain	: ['NN']
retrieve		['VB']		significantly	: ['RB']
classifying		['VBG'		abnormal	: ['JJ']
challenges		['NNS'		et	: ['NNP', 'CC', 'FW', 'RB']
reorganized		['VBN'		predefined	: ['JJ']
emerges		['VBZ'		shown	: ['VBN']
space		_	'NNP']	profit	: ['NN']
algebra		['NN']		increase	: ['VB']
attracted			, 'VBD']	emerged	: ['VBN']
internet		['NN']		shows	: ['VBZ']
inevitably		['RB']		theory	: ['NN']
semi-autonomous		['NNS'		1995	: ['CD']
reber		['NNP'		mechanisms	: ['NNS']
possibility		['NN']		mapping	: ['NN', 'VBG']
inputting		['VBG'		statistics	: ['NNS', 'NNPS']
complicated			, 'JJ']	quits	: ['VBZ']
inductive		['JJ']		axioms	: ['NNS']
advance		['VB']		derivation	: ['NN']
language		-	, 'NN']	curation	: ['VB']
		['NN']		catalog	
programming				-	: ['NN']
motion		['NN']		turn	: ['NN']
place		['NN']		massive	: ['JJ']
misused		['JJ']		neglect	: ['VBZ', 'VB']
first			'NNP', 'RB']	origin	: ['NN']
bluemix			'NNP']	fetched	: ['VBN']
predictive		['JJ']		question	: ['NN']
variables		['NNS'		symbolic	: ['JJ']
one			'NN', 'PRP']	directly	: ['RB']
carry		['VB']		impossible	: ['JJ']
open			, 'VB', 'JJ']	summarize	: ['VB']
engineer		['NN']		fmri	: ['NNS']
city		['NN']		given	: ['VBN']
knowledge-processi	_	_		structured	: ['VBN', 'NNP', 'JJ']
indicate		['VBP'		man-machine	: ['JJ']
draft		['NNP'		cost-effective	: ['JJ']
structures		['NNS'		cite	: ['VB']
exploring			, 'VBG']	mining	: ['NN']
mostly	:	['RB']		that	: ['IN', 'WDT', 'DT']
continuous	:	['JJ']		proving	: ['VBG']
accurately	:	['RB']		absorbs	: ['VBZ']
representing	:	['VBG']	than	: ['IN']
specify	:	['VB']		11	: ['CD']
wide			'NNP']	13	: ['CD']
12		['CD']		15	: ['CD']
14		['CD']		16	: ['CD']
require		['VBP'		constructionism	: ['NN']
		-	<u>-</u>		

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future	: ['JJ']	were	: ['VBD']
bio-symbiosis	: ['NNS', 'JJ']	inferring	: ['VBG']
and	: ['CC', 'NNP', 'VB']	illness	: ['NN']
topics	: ['NNS']	locations	: ['NNS']
generalization	: ['NN']	say	: ['VB', 'VBP']
any	: ['DT']	subsystems	: ['NNS']
cyber-concepts	: ['NNS']	efficient	: ['JJ']
answering	: ['VBG', 'NN', 'VBZ']	ideas	: ['NNS']
sciences	: ['NNS']	ideal	: ['JJ']
potential	: ['JJ']	take	: ['VB']
online	: ['JJ']	converged	: ['JJ']
performance	: ['NN']	multiple	: ['JJ']
trace	: ['VB']	normal	: ['JJ']
price	: ['NN']	keeps	: ['VBZ']
paid	: ['VBN']	donation	: ['NN']
pages	: ['NNS']	adaptability	: ['NN']
especially	: ['RB']	adopt	: ['VB']
implications	: ['NNS']	sale	: ['NN']
managing	: ['VBG', 'NNP']	wittrock	: ['NNP']
dispersed	: ['JJ']	laws	: ['NNS']
german	: ['NNP']	workshops	: ['NNS']
commitments	: ['NNS']	discovered	: ['VBD', 'VBN']
spaces	: ['NNS']	xml	: ['NNP']
slow	: ['JJ']	ratio	: ['NN']
analytic	: ['JJ']	only	: ['RB', 'JJ']
enriched	: ['VBN']	deployed	: ['VBN']
developed	: ['VBN', 'VBD']	boyle	: ['NNP']
get	: ['VB']	infallibly	: ['RB']
mechanization	: ['NN']	resource	: ['NN', 'NNP']
summary	: ['NN']	medias	: ['NNS']
scientist	: ['NN']	mapped	: ['VBN']
where	: ['WRB']	vision	: ['NN']
lenzerini	: ['NNP']	physically	: ['RB']
arouses	: ['VBZ']	connections	: ['NNS']
1921	: ['CD']	1928	: ['CD']
concern	: ['NN', 'VB']	detect	: ['VB', 'VBD']
	: ['NNS']	review	: ['VB']
ways representatives		forecast	. [VB] : ['VB']
	: ['NNS']	invokes	: ['VB'] : ['VBZ']
enough	: ['JJ']		
between	: ['IN'] : ['VBG', 'NN', 'NNP']	geometric	: ['JJ']
reading		across	: ['IN']
infrastructure	: ['NN']	jobs	: ['NNS']
mature	: ['VB', 'JJ']	originated	: ['VBN']
analyzer	: ['NN']	heterogeneous	: ['JJ']
analyzed	: ['VBN']	cities	: ['NNS']
brahe	: ['NNP']	motivations	: ['NNS', 'VBZ']
acquiring	: ['JJ']	many	: ['JJ']
kosko	: ['NNP']	according	: ['VBG']
enabling	: ['VBG', 'VB']	railway	: ['NN']

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expression	: ['NN']	among	: ['IN']	
key	: ['NN', 'JJ']	cancer	: ['NNP']	
period	: ['NN']	innovations	: ['NNS']	
maintained	: ['VBN']	learning	: ['NN', 'VBG']	
moreover	: ['RB']	keqiang	: ['NNP']	
considering	: ['VBG']	epistemology	: ['NN']	
capable	: ['JJ']	analogies	: ['NNS']	
computing	: ['NN', 'VBG', 'NNP']	shortening	: ['VBG']	
distinguishing	: ['VB']	combined	: ['VBN']	
enable	: ['VBP', 'VB']	formed	: ['VBN', 'VBD']	
observers	: ['NNS']	observe	: ['VB']	
external	: ['JJ']	bayesian	: ['NN']	
evidence	: ['NN']	irrelevant	: ['JJ']	
those	: ['DT']	case	: ['NN']	
developing	: ['VBG']	these	: ['DT']	
engineering	: ['NN']	n't	: ['RB']	
www.w3.org/tr/owl-	features/: ['JJ']	ongoing	: ['JJ']	
investigating	: ['VBG']	enriches	: ['VBZ']	
conferences	: ['NNS']	eventually	: ['RB']	
characteristics	: ['NNS']	middle	: ['JJ']	
regularity	: ['NN']	good	: ['JJ']	
minds	: ['NNS']	technology	: ['NN']	
everyday	: ['NN']	binary	: ['JJ']	
different	: ['JJ', 'VBG']	revolutions	: ['NNS']	
develop	: ['VB']	author	: ['NN']	
same	: ['JJ']	intelligently	: ['RB']	
html	: ['NNP']	epistemological	: ['JJ']	
http://www.w3.org/	tr/html5/: ['NNP']	events	: ['NNS']	
generated	: ['VBN', 'JJ']	status	: ['NN']	
extended	: ['VBN']	centuries	: ['NNS']	
driven	: ['JJ', 'VBN']	running	: ['VBG']	
fodor	: ['VB', 'NNP']	changing	: ['VBG', 'JJ']	
relies	: ['VBZ', 'NNS']	supports	: ['VBZ']	
braher	: ['NNP']	markup	: ['NNP']	
locality	: ['JJ', 'NN']	сср	: ['NNP', 'NN']	
without	: ['IN']	solve	: ['VB']	
extensible	: ['NNP']	components	: ['NNS']	
relied	: ['VBN']	coordinate	: ['JJ', 'VB']	
model	: ['NN', 'VB', 'NNP']	dimension	: ['NNP', 'NN']	
researchers	: ['NNS']	being	: ['VBG']	
money	: ['NN']	actions	: ['NNS']	
relevant	: ['JJ']	industry-leading	: ['JJ']	
differentiation	: ['NN']	speed	: ['NN', 'VB']	
guides	: ['VBZ']	captured	: ['VBN']	
heuristic	: ['JJ']	death	: ['NN']	
thinking	: ['VBG', 'NN', 'NNP']	empiricism	: ['NN']	
improvement	: ['NN']	thoughts	: ['NNS']	
http://www.imscent		scheduled	: ['VBN']	
aspects	: ['NNS', 'JJ']	around	: ['IN']	

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marcus : ['NNP'] read : ['VB', 'VBN', 'VBP']	
papers : ['NNS'] unveil : ['VB']	
early : ['JJ'] test : ['NN', 'VB']	
traffic : ['NN'] symbolism : ['NN']	
world : ['NNP', 'NN'] aiming : ['VBG']	
identifying : ['VBG'] suppliers : ['NNS']	
server : ['NN'] benefit : ['VB', 'VBP']	
either : ['RB'] output : ['NN']	
specifies : ['VBZ'] bankruptcies : ['NNS']	
simulator : ['NN'] loosely : ['RB']	
competition : ['NN'] shortcoming : ['NN']	
co-constitution : ['NN'] images : ['NNS']	
organizing : ['VBG'] matching : ['VBG', 'NN']	
generates : ['VBZ'] gross : ['JJ']	
dimensions : ['NNS', 'JJ'] symbiotic : ['JJ']	
critical : ['JJ'] provides : ['VBZ']	
understandings : ['NNS', 'VBZ'] refer : ['VBP']	
measuring : ['NN'] accessing : ['VBG']	
scientific : ['JJ', 'NNP'] power : ['NN']	
database : ['NN'] communicate : ['VB']	
leadership : ['NNP'] computing.evolution : ['NN']	
sixty : ['JJ'] ontology : ['NNP', 'RB', 'NN']	
on : ['IN', 'RP'] central : ['JJ']	
origins : ['NNS'] of : ['IN']	
industry : ['NN'] develops : ['VBZ']	
addition : ['NN'] wolf : ['NNP']	
greatly : ['RB'] deerwester : ['NNP']	
act : ['VB'] discusses : ['VBZ']	
or : ['CC'] road : ['NN']	
berger : ['NNP'] instruments : ['NNS']	
<pre>image : ['NN'] references : ['NNS']</pre>	
determine : ['VBP', 'VB'] einstein : ['NNP']	
<pre>valuable : ['JJ']</pre>	
nowadays : ['RB'] co-evolves : ['VBZ']	
<pre>weight : ['NN'] area : ['NN']</pre>	
removing : ['JJ'] there : ['EX']	
hey : ['NNP', 'JJ'] symbiosis : ['NNS', 'JJ', 'VBZ']	
lot : ['NN'] assumes : ['VBZ']	
complete : ['JJ'] human-data : ['JJ']	
regard : ['NN'] co-occurrence : ['JJ']	
philosophers : ['NNS'] land : ['NN']	
implies : ['VBZ'] technologies : ['NNS']	
with : ['IN'] fraud : ['NN']	
applying : ['VBG'] connect : ['VBP', 'VB']	
vehicles : ['NNS'] videos : ['FW']	
certain : ['JJ'] citation : ['NN', 'NNS']	
sales : ['NNS'] general : ['JJ']	
imagination : ['NN'] as : ['IN', 'RB']	
reliability : ['NN'] at : ['IN']	

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planets	: ['NNS']	gruber	: ['NNP']
statuses	: ['NNS']	again	: ['RB']
assessing	: ['VBG']	completeness	: ['NNS']
4.0	: ['VBG']	storage	: ['NN']
green	: ['JJ']	field	: ['NN']
mathematics	: ['NNS', 'NN']	collaborative	: ['JJ', 'NNP']
separate	: ['JJ']	students	: ['NNS']
symbol	: ['NN']	wirth	: ['NNP']
deriving	: ['VBG']	hardware	: ['NN']
important	: ['JJ']	psychology	: ['NN']
building	: ['NN', 'VBG']	tiger	: ['NN', 'CD']
impossibility	: ['NN']	mass	: ['JJ']
nelson	: ['NNP']	directory	: ['NNP']
strings	: ['NNS']	represent	: ['VBP', 'VB']
all	: ['DT', 'RB']	semantic	: ['JJ', 'NNP']
forget	: ['JJ']	lack	: ['NN']
browsers	: ['NNS']	generalize	: ['VB']
cooperative	: ['JJ']	follow	: ['VBP']
coauthor	: ['NN']	decisions	: ['NNS']
reasoning	: ['NN', 'VBG', 'JJ']	referring	: ['VBG']
opportunities	: ['NNS']	removal	: ['NN']
to	: ['TO']	foster	: ['NNP']
preserved	: ['VBN']	life-cycle	: ['JJ']
nodes	: ['NNS']	cause-	: ['JJ']
activities	: ['NNS']	very	: ['RB']
domain-specific	: ['JJ']	difference	: ['NN']
condition	: ['NN']	joined	: ['VBN']
intricately	: ['RB']	large	: ['JJ']
contexts	: ['NNS']	adjust	: ['VB']
form	: ['VBP', 'NN', 'VB']	small	: ['JJ']
biological	: ['JJ']	workloads	: ['NNS']
20th	: ['JJ']	broader	: ['JJR']
ten	: ['CD']	self-contained	: ['JJ']
rate	: ['NN']	invention	: ['NN']
design	: ['NN', 'VB']	perspective	: ['NN']
further	: ['RBR', 'RB', 'JJ']	investment	: ['NN']
ghemawat	: ['NNP']	will	: ['MD']
what	: ['WP', 'WDT']	cues	: ['NNS']
consumers	: ['NNS']	sun	: ['NN']
sum	: ['NN']	overload	: ['NN']
,1969	: ['CD']	subspaces	: ['NNS']
scientists	: ['NNS']	learned	: ['VBN']
public	: ['NN', 'NNP', 'JJ']	component	: ['NN']
diapers	: ['NNS']	answers	: ['VBZ', 'NNS']
compose	: ['VB']	operating	: ['VBG']
observing	: ['VBG']	search	: ['NN', 'VB', 'JJ']
nature-inspired	: ['JJ']	provably	: ['RB']
identifiable	: ['JJ']	inspired	: ['VBD', 'VBN']
allows	: ['VBZ']	experience	: ['NN', 'VBP', 'VB']
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prior	:	['JJ']		published	:	['VBD',	'VBN']	
provable		['JJ']		specialize		['VB']		
inspires			, 'VBZ']	via		['IN']		
gick		['NNP']		advocated		['VBD']		
texts		['NNS']		analyzing		['VBG']		
aptitude		['JJ']	1	establish		['VB']		
sensors		['NNS']	1	select		['VB']		
intensive		['JJ']	1	conventional		['JJ']		
takes		['VBZ']	1	contains		['VBZ']		
two		['CD']	J	bio-inspired		['JJ']		
compensate		['VB']		taken		['VBN']		
more			, 'RBR']	lowering		['VBG']		
initiated		['VBN']		constructs		['VBZ']		
tested		['VBN']		controlling		['VBG']		
				-				
zhuge		['NNP']		particular evolves		['JJ']		
known		['VBN']	-	machine-data-machine		['VBZ']		
keeping		['VBG']						
self-organize		['VBP']	-	coalition		['NNP']		
categorizing		['VBG']		paragraph		['NN']	Irm I 1	
evolved		['VBN']		learn		['VBP',	'VB']	
strategies		['NNS']]	specialized		['JJ']		
history		['NN']		compare		['VB']		
computers		['NNS']]	impacts		['NNS']		
szalay		['JJ']		concept-level		['JJ']		
share		['VB',		human-to-data		['NN',	' JJ']	
states		['NNPS		minimum		['JJ']		
sense			'VBP']	axis		['NNS']		
information	:	['NN']		needs	:	['VBZ']		
goal	:	['NN',	'VB']	rather	:	['RB']		
maps	:	['VBD']]	transfers	:	['VBZ']		
http://www.google.	org/	flutre	nds/: ['NNP']	influenc	ces		: ['NNS', 'VBZ']	
explains		['VBZ']		plans	:	['NNS']		
communicating	:	['VBG']]	derived	:	['VBN']		
orbits	:	['NNS']]	reflect	:	['VB',	'VBP']	
tries	:	['VBZ']]	action-centered	:	['JJ']		
human-to-human	:	['NN',	'JJ']	coming	:	['VBG']		
verified		['VBN']		queries		['NNS']		
lifecycle		['NN']		shortcomings		['NNS']		
brynjolfsson		['VB']		mislead		['VB']		
discussing		['VBG'	1	fundamental		['JJ']		
retrieval		['NN']		rayport		['NNP']		
help			'NN', 'VBP']	hierarchy		['NN']		
essence		['NN']	-	already		['RB']		
through		['IN']		brin		['VB']		
its		['PRP\$	']	24		['CD']		
controllable		['JJ']	-	26		['CD']		
rapidly		['RB']		economists		['NNS']		
entscheidungsprobl			1	solving		['VBG']		
actually		['RB']	•	verifies		['VBZ']		
accuarry	•	ן ייי		A CT TT TCD	•	ر مصر ا		

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microscopic	: ['JJ']	systems	: ['NNS', 'NNPS']	
speech	: ['NN']	fool	: ['NN']	
incompleteness	: ['NNS']	propose	: ['VB']	
number	: ['NN']	framework	: ['NNP', 'NN']	
communities	: ['NNS']	association	: ['NN']	
easily	: ['RB']	document	: ['NN']	
fully	: ['RB']	level	: ['NN']	
truths	: ['NNS']	philosophical	: ['JJ']	
capability	: ['NN']	habits	: ['NNS']	
experiencing	: ['VBG']	self-motivation	: ['NN']	
difficult	: ['JJ']	friendship	: ['NN']	
subsystem	: ['NN']	mental	: ['JJ']	
formulate	: ['VB']	generation	: ['NN']	
energy	: ['NN']	hard	: ['JJ']	
reduce	: ['VB']	idea	: ['NN']	
investigated	: ['VBN']	expect	: ['VB']	
measurement	: ['NN']	loops	: ['NNS']	
operation	: ['NN']	beyond	: ['IN']	
event	: ['CD']	co-constitute	: ['JJ']	
initiatives	: ['NNS']	funding	: ['VBG', 'NN']	
missed	: ['VBN']	conceptualizing	: ['NN']	
solved	: ['VBD', 'VBN']	since	: ['IN']	
publish	: ['UH']	research	: ['NN', 'NNP']	
health	: ['NN']	denoted	: ['VBN']	
issue	: ['NN']	causally	: ['RB']	
friday	: ['NNP']	reason	: ['NN']	
base	: ['NNP', 'NN']	imaging	: ['NNP', 'NN']	
members	: ['NNS']	generate	: ['VBP', 'VB']	
temperature	: ['NN']	definition	: ['NN']	
benefits	: ['NNS']	rejects	: ['VBZ']	
http://hadoop.ap		neglected	: ['VBN']	
major	: ['JJ']	probability	: ['NN']	
al.	: ['NNP', 'NN', 'CD']	reflected	: ['VBN']	
preservation	: ['NN']	linking	: ['VBG', 'VBD', 'CD']	
instances	: ['RB', 'NNS']	done	: ['VBN']	
neglects	: ['VBZ']	miss	: ['VB']	
stage	: ['NN']	heads	: ['NNS']	
leverage	: ['NN']	utilization	: ['NN']	
introduction	: ['NN']	leading	: ['JJ']	
interact	: ['NN', 'VB', 'VBP']	least	: ['JJS']	
assumption	: ['NN']	statement	: ['NN']	
hundred	: ['CD']	store	: ['VB']	
schema	: ['NN']	shifted	: ['VBN']	
relationship	: ['NN']	newell	: ['NNP']	
measurable	: ['JJ']	part	: ['NN']	
authors	: ['NNS']	inventing	: ['JJ']	
translation	: ['NN']	believe	: ['VB', 'VBP']	
clarifying	: ['VBG']	kind	: ['NN']	
molecular	: ['JJ']	determines	: ['VBZ']	

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system-to-system	: ['JJ']	aims	: ['VBZ', 'NNP', 'NNS']	
determined	: ['VBN']	2020	: ['CD']	
risks	: ['VBZ']	toward	: ['IN']	
remembers	: ['VBZ']	interactive	: ['JJ', 'NNP', 'NN']	
deciding	: ['VBG']	motivation	: ['NN', 'NNS']	
higher-level	: ['JJ']	karl	: ['NNP']	
outputting	: ['VBG']	lie	: ['VB']	
nights	: ['NNS']	built	: ['VBN']	
depending	: ['VBG']	officers	: ['NNS']	
extracted	: ['VBN']	recognizing	: ['VBG']	
internal	: ['JJ']	build	: ['VB']	
analogy	: ['NN']	finding	: ['VBG', 'NN']	
analogs	: ['NNS']	play	: ['VBP', 'VB']	
towards	: ['IN']	electric	: ['JJ']	
programmers	: ['NNS']	serve	: ['VB']	
measures	: ['NNS']	reach	: ['VB']	
most	: ['RBS', 'JJS']	experiences	: ['NNS', 'VBZ']	
plan	: ['NN']	significant	: ['JJ']	
services	: ['NNS', 'NNPS', 'VBZ']	accepting	: ['VBG']	
infrastructures	: ['NNS']	extremely	: ['RB']	
salary	: ['NN']	unsupervised	: ['JJ']	
mobile	: ['JJ']	arising	: ['JJ', 'VBG']	
clear	: ['JJ']	sometimes	: ['RB']	
coincides	: ['VBZ']	unreasonable	: ['JJ']	
traditional	: ['JJ']	velocity	: ['NN']	
physics	: ['NN', 'NNS']	institutions	: ['NNS']	
joining	: ['VBG']	phenomenon	: ['NN']	
sparrow	: ['NNP']	relation	: ['NN']	
fine	: ['JJ']	networks	: ['NNS']	
impact	: ['NN']	indicator	: ['NN', 'NNP']	
simulating	: ['VBG', 'VB', 'NNP']	hope	: ['VBP']	
distributed	: ['VBN', 'JJ', 'VBD']	failed	: ['VBD']	
experiment	: ['NN']	factor	: ['NN']	
his	: ['PRP\$']	dependent	: ['JJ']	
externalizes	: ['VBZ']	rest	: ['NN']	
shared	: ['VBN']	during	: ['IN']	
him	: ['PRP']	deductive	: ['JJ']	
data-to-data	: ['VB']	knowledge-based	: ['JJ']	
stored	: ['VBN']	common	: ['JJ']	
activity	: ['NN']	sustainable	: ['NNP', 'JJ']	
scanning	: ['VBG', 'NNP']	set	: ['NN', 'VBN']	
tree	: ['NN']	see	: ['VB']	
individual	: ['JJ', 'NN']	are	: ['VBP']	
close	: ['JJ']	expertise	: ['NN']	
deploying	: ['VBG']	connectionism	: ['NN']	
gravitation	: ['NN']	threats	: ['NNS']	
expert	: ['NN']	pictures	: ['NNS']	
currently	: ['RB']	rejecting	: ['VBG']	
various	: ['JJ']	conditions	: ['NNS']	

TITE THE _TOP TO GITATINE ON POOTEE	_ rotation with equation in the contract	
available	: ['JJ']	creating : ['VBG']
unconscious	: ['JJ']	missing : ['VBG']
interfaces	: ['NNS']	attention : ['NN']
general-purpose	: ['JJ']	distinguish : ['VB']
both	: ['DT', 'PDT', 'CC']	paradigms : ['NNS']
improved	: ['VBN']	hyperlink : ['NN']
became	: ['VBD']	context : ['NN']
long-term	: ['JJ']	whole : ['JJ']
finds	: ['VBZ']	experimental : ['JJ']
millions	: ['NNS']	large-scale : ['JJ']
reasons	: ['NNS']	loan : ['NN']
community	: ['NN', 'NNP']	simply : ['RB']
capabilities	: ['NNS']	upgrades : ['VBZ']
throughout	: ['IN']	expensive : ['JJ']
decline	: ['VB', 'NN']	ensures : ['VBZ']
described	: ['VBD']	raise : ['VBP', 'VB']
lattice	: ['NN']	create : ['VBP', 'VB']
human-human	: ['JJ']	due : ['JJ']
strategy	: ['NN']	<pre>johannes : ['NNP']</pre>
ecologists	: ['NNS']	http://www.industrialinternetconsortium.org:
['VBG']		-
maintenance	: ['NN']	collected : ['VBN']
adoption	: ['NN']	extreme : ['JJ']
treatment	: ['NN']	generating : ['VBG', 'NNP']
top-down	: ['JJ']	transferring : ['VBG']
gap	: ['NN']	understand : ['VB', 'VBP']
demand	: ['NN']	prices : ['NNS']
unify	: ['VB']	solid : ['JJ']
reliable	: ['JJ']	empirical : ['JJ']
technical	: ['JJ']	while : ['IN']
optimization	: ['NN']	accidently : ['RB']
evaluating	: ['VBG']	evaluates : ['VBZ']
designing	: ['VBG']	engineers : ['NNS']
computed	: ['VBN']	real : ['JJ']
century	: ['NN']	<pre>pylyshyn : ['VB', 'NNP']</pre>
itself	: ['PRP']	estimate : ['VB']
belong	: ['VBP']	hadoop : ['NNP']
rules	: ['NNS', 'VB', 'VBZ', 'NNPS']	widely : ['RB']
grand	: ['JJ']	composition : ['NN']
higher	: ['JJR']	development : ['NN']
used	: ['VBN', 'VBD']	undecidable : ['JJ']
comprehensive	: ['JJ']	flows : ['VBZ']
domains	: ['NNS']	viewing : ['VBG']
levels	: ['NNS']	uses : ['VBZ']
purpose	: ['NN']	necessity : ['NN']
recent	: ['JJ']	lower : ['JJR']
task	: ['NN']	surrogate : ['NN']
globus	: ['NNP']	spent : ['VBD']
analysis	: ['NN', 'NNP']	person : ['NN']

1.1FII.D_T\program\cciipse\cc_i	elation(vvii)equence(vvF1 10005.txt			201
machinery	: ['NN']	howe	: ['NNP']	
organization	: ['NN']	things	: ['NNS']	
abilities	: ['NNS']	deployment	: ['NN']	
named	: ['VBN']	1961	: ['CD']	
decentralized	: ['JJ', 'VBN']	questions	: ['NNS']	
using	: ['VBG']	useful	: ['JJ']	
addresses	: ['NNS']	discipline	: ['NN']	
tables	: ['NNS']	accepted	: ['VBN']	
relevancy	: ['NN']	readers	: ['NNS']	
guaranteed	: ['VBN']	representational	: ['JJ']	
source	: ['NN']	hyperlinks	: ['NNS']	
questioned	: ['VBN']	theorem	: ['NN']	
influencing	: ['VBG']	transformation	: ['NN']	
generalized	: ['VBN']	• • •	: [':']	
customers	: ['NNS']	evaluate	: ['VB']	
edvac	: ['NN']	deepening	: ['VBG']	
ecosystems	: ['NNS']	projects	: ['VBZ']	
formal	: ['JJ']	cognitive	: ['JJ', 'NNP', 'NN', 'VBP']	
follows	: ['VBZ']	signal	: ['NN']	
mismatching	: ['NN']	collect	: ['VBP', 'NN', 'VB', 'JJ']	
individuals	: ['NNS']	reichman	: ['NNP']	
popular	: ['JJ']	essential	: ['JJ']	
clustering	: ['NN']	mathematical	: ['JJ']	
ecology	: ['NN']	often	: ['RB']	
meta-computing	: ['JJ']	some	: ['DT']	
understood	: ['VBN']	trends	: ['NNP']	
experienced	: ['VBN', 'VBD']	accelerate	: ['VB']	
gradually	: ['RB']	scale	: ['NN', 'VB']	
describing	: ['VBG']	broadband	: ['JJ']	
decision	: ['NN']	integration	: ['NN']	
cyber-social	: ['JJ']	connecting	: ['VBG']	
innovation	: ['NN']	forgets	: ['VBZ']	
be	: ['VB']	run	: ['VBN', 'VBP', 'NN', 'VB']	
processing	: ['VBG', 'NN', 'NNP']	forming	: ['VBG']	
step	: ['NN']	become	: ['VBN', 'VB']	
by	: ['IN']	usa	: ['NNP']	
anything	: ['NN']	state-of-the-art	: ['JJ']	
tracing	: ['VBG']	in-depth	: ['JJ']	
simulation	: ['NN']	consequently	: ['RB']	
complementing	: ['VBG']	computational	: ['JJ']	
causation	: ['NN']	recreate	: ['VB']	
nsf	: ['NNP']	servers	: ['NNS']	
appropriate	: ['JJ']	centrality	: ['NN']	
behaving	: ['VBG']	impressed	: ['VBN']	
seger	: ['NNP']	innate	: ['JJ']	
retrieving	: ['VBG']	probabilistic	: ['JJ']	
bargaining	: ['NN']	long	: ['JJ']	
veracity	: ['NN']	forward	: ['RP']	
analyze	: ['VB']	sections	: ['NNS']	
-				

			2.17.4.30.2
transformable	: ['JJ']	criteria	: ['NNS']
searching	: ['VBG', 'NN']	daily-life	: ['JJ']
link	: ['VB', 'NN']	externalizing	: ['VBG']
-lrb-	: ['-LRB-']	raising	: ['VBG']
consist	: ['VB', 'VBP']	up	: ['RP']
us	: ['PRP']	maturity	: ['NN']
exploration	: ['NN']	verification	: ['NN']
kuhn	: ['NNP']	continuously	: ['RB']
etc.	: ['FW', 'RB']	called	: ['VBN', 'VBD']
bell	: ['NNP']	storing	: ['VBG', 'VBZ']
constant	: ['JJ']	influence	: ['NN', 'VBP', 'VB']
accessibility	: ['NN']	globally	: ['RB']
single	: ['JJ']	associates	: ['VBZ']
organizational	: ['JJ']	neglecting	: ['JJ']
preventing	: ['VBG']	application	: ['NN']
priori	: ['VBG', 'JJ']	income	: ['NN']
intelligence	: ['NN']	arithmetic	: ['NN']
revision	: ['NN']	explaining	: ['VBG', 'VBD']
draw	: ['VB']	users	: ['NNS']
provided	: ['VBN']	machine-data	: ['JJ']
korf	: ['NNP']	problems	: ['NNS']
replace	: ['VB']	meaning	: ['NN', 'VBG']
fisher	: ['NNP']	structure	: ['NN', 'VB']
correlated	: ['VBN']	methodologies	: ['NNS']
provenance	: ['NN']	age	: ['NN']
required	: ['VBN']	departments	: ['NNS']
human-data-human	: ['JJ']	2003	: ['CD']
2000	: ['CD']	2001	: ['VBZ', 'CD']
2006	: ['CD', 'VBZ']	2007	: ['CD']
2004	: ['CD']	2005	: ['CD']
2008	: ['CD']	2009	: ['CD', 'VBZ']
requires	: ['VBZ']	fahey	: ['NNP']
once	: ['RB']	codd	: ['NNP']
co-author	: ['NNS']	incorporate	: ['VB']
results	: ['NNS']	existing	: ['JJ', 'VBG']
proposition	: ['NN']	meta-cognition	: ['NN']
do	: ['VBP', 'VB']	query	: ['NN', 'NNP']
issues	: ['NNS']	copernicus	: ['NNP']
simon	: ['NNP']	disposal	: ['NN']
concerned	: ['VBD']	languages	: ['NNS']
citing	: ['VBG']	helps	: ['VBZ']
stable	: ['JJ']	include	: ['VBP']
resources	: ['NNS']	grid	: ['NNP', 'NN']
		=	
facebook timely	: ['NNP'] : ['JJ']	categories recreation	: ['NNS'] : ['NNP']
-			
transmission	: ['NN']	positions	: ['NNS']
try	: ['VBP', 'VB']	licklider	: ['NNP']
someday	: ['RB']	odp	: ['NNP']
human-computer	: ['VBZ']	sensation	: ['NN']

THE HIS _ HOTOGRAMME ON POOR SE_T	olationitin oquolootti i roodolikt		2010-1-7/101 01-12
video	: ['NNP']	makers	: ['NNS']
index	: ['NN']	optimize	: ['VB']
plays	: ['VBZ']	business	: ['NN', 'NNP']
giving	: ['VBG']	han	: ['NNP']
find	: ['VB', 'VBP']	access	: ['VB', 'NN']
19th	: ['JJ']	transmit	: ['VB']
real-world	: ['JJ']	sviokla	: ['NNP']
values	: ['NNS']	focuses	: ['VBZ']
respectively	: ['RB']	pushing	: ['VBG']
delivering	: ['VBG', 'NN']	following	: ['JJ', 'VBG', 'NN']
explore	: ['VB']	objects	: ['NNS', 'NNP']
let	: ['VB']	cyber-physical	: ['JJ', 'NNP']
separation	: ['NN']	others	: ['NNS']
invented	: ['VBN']	implicit	: ['JJ']
deduced	: ['VBN']	great	: ['JJ']
receive	: ['VB']	involved	: ['VBN']
leaving	: ['VBG']	rdf	: ['NNP']
_		1937	
products makes	: ['NNS']	involves	: ['CD']
	: ['VBZ']		: ['VBZ']
examining	: ['VBG']	up-to-date	: ['JJ']
formulated	: ['VBN']	apple	: ['NN']
scales	: ['NNS', 'NNPS']	manage	: ['VB', 'VBP']
names	: ['NNS']	tools	: ['NNS']
causal	: ['JJ']	cloud	: ['NN', 'JJ']
use	: ['NN', 'VBP', 'VB']	refers	: ['VBZ']
from	: ['IN']	hears	: ['VBZ']
consumption	: ['NN']	davisapril	: ['NNP']
next	: ['JJ']	depicted	: ['VBN']
doubt	: ['NN']	reciprocity	: ['JJ', 'NN']
themselves	: ['PRP']	noisy	: ['NN']
reflects	: ['VBZ']	deepest	: ['JJS']
optimizing	: ['VBG']	formally	: ['RB']
mismatch	: ['NN']	cooperate	: ['VB']
carrying	: ['VBG']	popper	: ['NNP']
carried	: ['VBN']	customer	: ['NN']
isomorphism	: ['NN']	integrating	: ['VBG']
this	: ['DT']	challenge	: ['NN']
when	: ['WRB']	obvious	: ['JJ']
publications	: ['NNS']	industrial	: ['JJ', 'NNP']
meet	: ['VB']	closing	: ['VBG']
document-to-human	: ['JJ']	proof	: ['NN']
control 'VBN', 'JJ']	: ['NN']	e.g.	: ['NNP', 'UH', 'RB', 'VBG', 'VBD', 'VB', 'VBP', 'NN',
process	: ['VB', 'NN', 'VBP']	tax	: ['NN']
high	: ['JJ']	effectively	: ['RB']
assumptions	: ['NNS']	unlimitedly	: ['RB']
united	: ['NNP']	varied	: ['VBN']
six	: ['CD']	regions	: ['NNS']
located	: ['VBN']	service-oriented	: ['JJ']
1000000	• [ATIA]	actatce offering	. [👓]

1.1FII.D_T\program\cirpse\cc_relatio	MINVITEQUETICE (VVFT 10005.txt		2010-17:	Поп
establishment :	['NN']	stock	: ['NN']	
normalize :	['VB']	blocks	: ['NNS']	
g?del :	['NNP']	philosophy	: ['NN']	
collection :	['NN']	distances	: ['NNS']	
monitoring :	['NN']	mid-term	: ['JJ', 'NN']	
https://translate.god	gle.com: ['NNP']	induction	: ['NN']	
physical :	['JJ']	bind	: ['NN']	
scans :	['VBZ']	dhar	: ['NNP']	
object-oriented :	['JJ']	chief	: ['JJ']	
metaphors :	['NNS']	allow	: ['VB']	
move :	['VB']	symbols	: ['NNS']	
including :	['VBG']	methods	: ['NNS']	
facilitates :	['VBZ']	write	: ['VBP']	
multi-dimensional :	['JJ']	relativity	: ['NN']	
varies :	['VBZ']	estimating	: ['VBG']	
tenenbaum :	['NNP']	communication	: ['NN']	
2015 :	['VBZ']	2014	: ['CD']	
2011 :	['CD', 'JJ']	2010	: ['CD']	
2013 :	['CD']	2012	: ['CD', 'VBZ']	
descriptive :	['JJ']	practice	: ['NN', 'NNP']	
indexing :	['VBG', 'NN', 'VBZ']	resolve	: ['VB']	
day :	['NN']	worlds	: ['NNS']	
profound :	['JJ']	verifying	: ['VBG']	
	['JJ', 'NNP']	identified	: ['VBN']	
	['VBZ']	pathway	: ['NN']	
sufficiently :	['RB']	transmitted	: ['VBN']	
	['NN']	11	: ['NNP']	
	['VBZ']	constraints	: ['NNS']	
	['NN']	co-evolve	: ['VB', 'NN', 'VBP']	
doing :	['VBG']	falsifiability	: ['JJ']	
	['VBN', 'JJ']	constitute	: ['VBP', 'VB']	
	['NN', 'NNP']	frequency	: ['NN']	
	['JJ']	separating	: ['NNP', 'VBG']	
	['JJ']	special	: ['JJ']	
	['RP']	category	: ['NN']	
	['VBZ']	frontier	: ['NN']	
	['VBZ']	astronomy	: ['NN']	
	['NNP', 'NN']	posteriori	: ['NNS', 'JJ']	
	['VBN']	adaptive	: ['JJ']	
	['NN']	integrated	: ['JJ']	
	['NNS']	high-tech	: ['JJ']	
2 1	['JJ']	interactions	: ['NNS', 'FW']	
	['RB']	networking	: ['NN']	
	['NNP']	interaction	: ['NN', 'NNP', 'VBP']	
	['VBN']	cause-effect	: ['JJ', 'NN']	
	['MD']	times	: ['NNS']	
	['JJ']	davis	: ['NNP']	
	['VBN']	retail	: ['JJ']	
facilitate :	['VB', 'VBP']	housing	: ['NN']	

T.NETI.D_Typrogrammechpseloc	_relation(vvirequenc	CENTRE 10005.LXL		2010年7月10日 5.42
powerful	: ['JJ']		reaches	: ['VBZ']
strategic	: ['JJ']		proposing	: ['VBG']
representations	: ['NNS'	, 'NNP']	precisely	: ['RB']
quality	: ['NN']		synthesizing	: ['JJ', 'VBG']
management	: ['NN',	'NNP']	monkey	: ['NN']
practitioners	: ['NNS']	data	: ['NN', 'NNS', 'NNP', 'VBG']
system	: ['NN',	'NNP']	adopted	: ['VBN', 'VBD']
their	: ['PRP\$	5']	cabig	: ['NN']
efficiently	: ['RB',	'VB', 'NNS']	branches	: ['NNS']
low	: ['JJ']		interests	: ['NNS']
accompany	: ['VB']		explanation	: ['NN']
environmental	: ['JJ']		regards	: ['VBZ']
simulate	: ['VB',	'JJ']	fuzzy	: ['NNP']
policeman	: ['NN']		colleagues	: ['NNS']
richer	: ['JJR']	patients	: ['NNS']
kleinberg	: ['NNP']	providing	: ['VBG']
distinguished	: ['VBN'	, 'JJ']	result	: ['NN']
behaviors	: ['NNS'	, 'JJ']	false	: ['JJ']
shrinks	: ['VBZ']	fluctuation	: ['NN']
kepler	: ['NNP']	have	: ['VBP', 'VB']
need	: ['VBP'	, 'VB', 'NN']	element	: ['NN']
border	: ['NN']		clearly	: ['RB']
viewed	: ['VBN']	documents	: ['NNS']
newtonian	: ['NNP']	able	: ['JJ']
mechanism	: ['NN']		jacobson	: ['NNP']
instance	: ['NN']		concerns	: ['VBZ', 'NNS']
best	: ['JJS']	grounding	: ['NN']
pursues	: ['VBZ']	accuracy	: ['NN']
misunas	: ['NNP']	axiomatic	: ['JJ']
deploy	: ['VB']		who	: ['WP']
intentions	: ['NNS']	propagate	: ['VB']
representation	: ['NN',	'NNP', 'VB', 'JJ']	why	: ['WRB']
reduces	: ['VBZ']	url	: ['VBG', 'NNS', 'NNP']
stronger	: ['JJR']	databases	: ['NNS']
fact	: ['NN']		gain	: ['VB']
impression	: ['NN']		emerging	: ['VBG', 'VB']
selection	: ['NN']		text	: ['NN']
agreed	: ['JJ']		bring	: ['VB']
planning	: ['VBG'	, 'NN']	portfolio	: ['NN']
high-level	: ['JJ']		debate	: ['NN']
inspiring		'JJ', 'VBG']	based	: ['VBN']
knowledge	: ['NN',	'VB', 'RB', 'VBP', 'NNP',	'JJ']operational	: ['JJ']
candidates	: ['NNS']	local	: ['JJ']
hall	: ['NNP']	insight	: ['NN', 'JJ']
means	: ['NN']		familiar	: ['JJ']
words	: ['NNS'		coordinating	: ['VBG', 'VB']
compute	: ['VB']		shaping	: ['VBG']
areas	: ['NNS'		queried	: ['VBN']
gray	: ['NNP']	processes	: ['VBZ', 'NNS']

Defail	1 - 3		- 1		
Shi	brain	:	['JJ', 'NN']	influenced	: ['VBN']
view : [NN1] kmowing : ['VBG'] exists : ['VBG'] acquired : ['VBG'] exists : ['VBG'] acquired : ['VBG'] numana : ['NNS'] operates : ['VBG'] numana : ['NNN'] operates : ['VBG'] computer : ['NNN'] operates : ['VBG'] interacting : ['VBG'] interview : ['VBI'] interacting : ['VBG'] interview : ['VBI'] interacting : ['VBG'] interview : ['VBI'] pattern : ['VBG'] interview : ['VBI'] interview : ['VBI'] interview : ['VBI'] interview : ['VBI'] interview : ['VBI'] closed : ['VBI'] interview : ['VBI'] closed : ['VBI'] interview : ['VBI'] decord : ['VBI'] interview : ['VBI'] decord : ['VBI'] interview : ['VBI'] decord :	processed	:	['VBN']	contain	: ['VB']
view : ['NN'] knowing : ['VBC'] expliement : ['VBC'] acquired : ['VBN'] exists : ['VBC'] acquired : ['VBN'] national : ['NNF'] acquired : ['VBN'] numans : ['NNF'] operates : ['VBC'] computer : ['NN, 'NNP'] enhanced : ['VBN'] operated : ['VRN'] enhanced : ['VBN'] interview : ['VBN'] interview : ['VBN'] pottern : ['VBN'] enhanced : ['VBN'] interview : ['VBN'] interview : ['VBN'] pottern : ['VBN'] interview : ['VBN'] interview : ['VBN'] interview : ['VBN'] interview <td>shi</td> <td></td> <td></td> <td>cycles</td> <td></td>	shi			cycles	
requirement : ['NM']	view	:	['NN']	knowing	: ['VBG']
Dational NNS'	requirement			constructing	
Dational (NNS)	exists			acquired	: ['VBN']
bumans : [NNY, 'NNP'] operates : [VBY] operated : [VBY] interview : [VBY] interacting : [VBY] beneral-lee : [NNF] pattern : [NNF] leureate : [NNF] use-cases : [NNF] incosporating : [VBY] tend : [VBY] difficulties : [NNF] tend : [VBY] crude : [JJ] progress : [NNF] neither : [NNF] importance : [NNF] niddle-level : [JJ] importance : [NNF] inportance <td>national</td> <td></td> <td></td> <td>correlations</td> <td></td>	national			correlations	
computer : ['NN', 'NNF'] enhanced : ['Ye'] interacting : ['YSN'] interview : ['Ye'] interacting : ['NNF', 'NNS'] bernera-Lee : ['NNF'] pattern : ['NNF', 'NNS'] incorporating : ['NNF', 'NNF', 'Ju'] tend : ['YSP'] difficultes : ['NNF', 'SNF'] closed : ['NNF'] endee : ['JJ'] progress : ['NNF'] neither : ['RS', 'CC', 'DC'] qeorge : ['NNF'] ability : ['NNF'] production : ['NNF'] internaction : ['	humans				
operated : ['VBN'] interview : ['VBP'] interacting : ['VBG'] berners-lee : ['NNP'] pattern : ['NNP'] laureate : ['NNP'] usa-cases : ['NNP'] difficulties : ['NNP'] tend : ['VBP'] crude : ['JJ'] closed : ['NNP'] neither : ['RB', 'CC, 'DT'] progress : ['NNP'] neither : ['RB', 'CC, 'DT'] importance : ['NNP'] ability : ['NNP'] prediction : ['NNP'] tolman : ['NNP'] summarization : ['NNP'] efficiency : ['NNP'] problem : ['NNP'] prelous : ['JJ'] problem : ['NNP'] commenting : ['NNP'] tf-idf : ['NNP'] attributed : ['VBN'] tf-idf : ['NNP'] attributed : ['VBN'] streams : ['NNP'] chactributed : ['NNP'] stributes : ['NNP', NNS'] attributed : ['NNS'] <tr< td=""><td>computer</td><td>:</td><td>['NN', 'NNP']</td><td>=</td><td></td></tr<>	computer	:	['NN', 'NNP']	=	
Interacting ['YBG']	operated			interview	: ['VB']
Dattern ['NN']				berners-lee	
Sec-cases ['NNP', 'NNS'] incorporating ['VBC', 'NNP', 'JJ']	pattern			laureate	
Colosed	use-cases	:	['NNP', 'NNS']	incorporating	: ['VBG', 'NNP', 'JJ']
progress : ['NN']	tend			difficulties	
george	closed	:	['VBN']	crude	: ['JJ']
<pre>importance</pre>	progress	:	['NN']	neither	: ['RB', 'CC', 'DT']
prediction	george			ability	
prediction : ['NN'] efficiency : ['NN'] summarization : ['NN'] middle-level : ['JJ'] demonstrate : ['NN'] precious : ['JJ'] problem : ['NN'] commenting : ['NN', 'NNF'] 2002 : ['CO'] limits : ['VEZ'] tf-idf : ['NNF'] attributed : ['NNS'] streams : ['NN', 'NNF] tactical : ['JJ'] stributes : ['NNF', 'NNF'] estimation : ['NN'] comment : ['NNF'] estimation : ['NN'] comment : ['NN'] adding : ['YBG'] environments : ['NN'] adding : ['YBG'] maximize : ['VB'] table : ['NN', 'NNF'] unclean : ['JJ'] i.e. : ['NN', 'NNF'] transmize : ['VB'] table : ['NN'] transmize : ['VB'] i.e. : ['NN'] transmize : ['VB'] i.e. : ['NN'] transmize	importance	:	['NN']	tolman	: ['NNP']
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almost : ['RB'] blood : ['NN'] thus : ['RB'] linkedin : ['NNP']					
thus : ['RB'] linkedin : ['NNP']				-	
	thus				
uelbed : [, ABN,] examined : [, ABN,]	helped		['VBN']	examined	: ['VBN']

```
dual
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                                                                                   : ['JJR']
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capture
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                                                                                   : ['NN']
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disparate
                     : ['JJ']
                                                                                   : ['NN']
                     : ['NNS']
                                                             units
parts
                                                                                   : ['NNS']
finite
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                                                                                   : ['VBN']
material
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                                                                                   : ['JJ']
mathematic
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                                                                                   : ['NNP']
effect.
                     : ['NN']
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                                                                                   : ['JJ']
architectures
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                                                                                   : ['NN']
contribution
                     : ['NN']
                                                             expand
                                                                                   : ['VBP', 'VB']
keep
                     : ['VB']
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                                                                                   : ['NN']
http://www.ibm.com/cloud-computing/bluemix/: ['NNP']
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                                                                                   : ['VBD', 'NN']
well
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patterns
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                                                             sets
                                                                                   : ['NNS']
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                                                                                   : ['VBG']
stores
                     : ['NNS']
                                                             heavily
                                                                                   : ['RB']
hybrid
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                                                                                   : ['JJ']
half
                     : ['DT']
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                                                                                   : ['JJ']
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                                                                                   : ['NNS']
underlying
                                                             localize
                     : ['VBG', 'RB']
                                                                                   : ['VB']
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smart
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variants
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expansion
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                                                             self-organization
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paper	: ['NN']	although	: ['IN']
includes	: ['VBZ']	allenby	: ['NNP']
publishing	: ['NN']	about	: ['IN', 'RB']
behavior-centered	: ['JJ']	extension	: ['NN']
getting	: ['VBG']	universe	: ['NN']
recognized	: ['VBN']	surge	: ['NN']
carries	: ['VBZ']	multi-disciplinary	: ['JJ', 'NN']
software	: ['NN']	converging	: ['VBG']
owl	: ['NNP']	own	: ['JJ']
zooms	: ['VBZ']	assess	: ['VB']
roads	: ['NNS']	goal-oriented	: ['VBN']
utility	: ['NN']	1986	: ['CD']
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1983	: ['CD']	1980	: ['CD']
1981	: ['CD']	transfer	: ['NN']
justifying	: ['VBG']	support	: ['VB', 'VBP', 'NN']
soil	: ['NN']	spiral	: ['NN']
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intention	: ['NN']	fuses	: ['VBZ']
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mappings	: ['NNS']	naturally	: ['RB']
function	: ['NN']	real-time	: ['JJ', 'NNP']
but	: ['CC']	volume	: ['NN']
repeated	: ['VBN']	construction	: ['NN']
goals	: ['NNS']	question-answering	: ['NN']
eat	: ['VB']	he	: ['PRP']
also	: ['RB']	made	: ['VBN']
wise	: ['JJ']	whether	: ['IN']
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links	: ['NNS', 'VBZ']	recognize	: ['VB']
universal	: ['JJ']	contribute	: ['VBP', 'VB']
meaningless	: ['JJ']	slowing	: ['VBG']
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inspiration	: ['NN']	ranks	: ['NNS']
factors	: ['NNS']	persistent	: ['JJ']
rule	: ['NN']	volumes	: ['NNS']
indirectly	: ['RB']		-
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