f0006:

W Fdic:							
and	: 307	the	: 236	of	: 173	to	: 145
space	: 114	in	: 105	be	: 66	can	: 66
physical	: 60	will	: 57	is	<b>:</b> 57	-lsb-	: 56
-rsb-	: 56	-lrb-	: 56	-rrb-	: 56	through	: 52
society	: 49	individuals	: 46	spaces	: 43	cyberspace	: 36
socio	: 32	from	: 31	human	: 30	network	: 30
different	: 30	with	: 30	cyber-physical	: 29	data	: 28
humans	: 28	are	: 27	cpsoc	: 26	or	: 26
not	: 25	for	: 25	on	: 25	semantic	: 23
influence	: 23	that	: 22	it	: 22	between	: 21
as	: 21	link	: 20	social	: 19	mental	: 19
energy	: 19	have	: 19	information	: 18	various	: 17
e.g.	: 15	by	: 15	research	: 15	also	: 15
other	: 15	machines	: 14	real-time	: 14	an	: 14
complex	: 14	thoughts	: 13	more	: 12	super-links	: 12
development	: 12	interaction	: 12	which	: 12	individual	: 12
environment	: 11	networks	: 11	but	: 11	laws	: 11
processes	: 11	modelling	: 11	links	: 10	may	: 10
natural	: 10	material	: 10	each	: 10	principles	: 10
sensors	: 10	one	: 10	flow	: 10	knowledge	: 10
new	: 10	thought	: 10	images	: 10	science	: 9
following	: 9	reflect	: 9	systems	: 9	interactions	: 9
created	: 9	their	: 9	time	: 9	future	: 9
things	: 9	rules	: 9	another	: 9	some	: 9
resources	: 8	apple	: 8	process	: 8	needs	: 8
only	: 8	life	: 8	according	: 8	super-link	: 8
iot	: 8	model	: 8	web	: 8	real	: 8
form	: 8	cps	: 8	this	: 7	example	: 7
sense	: 7	communities	: 7	its	: 7	they	: 7
operation	: 7	out	: 7	behaviours	: 7	system	: 7
multiple	: 7	measured	: 7	intelligence	<b>:</b> 7	nature	: 7
engineering	: 7	layer	: 7	technology	: 7	make	: 7
events	: 7	know	: 7	world	: 7	was	: 7
structure	: 7	certain	: 6	change	: 6	classification	: 6
two	: 6	such	: 6	so	: 6	multi-dimensional	: 6
number	: 6	motion	: 6	interact	: 6	big	: 6
were	: 6	culture	: 6	computing	: 6	any	: 6
status	: 6	used	: 6	effect	: 6	sciences	: 6
has	: 6	interconnection	: 6	into	: 6	scientific	: 6
technologies	: 6	at	: 6	lifetime	: 6	when	: 6
symbol	: 6	decision	: 6	consists	: 5	reasoning	: 5
issues	<b>:</b> 5	past	<b>:</b> 5	objects	<b>:</b> 5	use	: 5
live	: 5	about	<b>:</b> 5	making	<b>:</b> 5	history	: 5
including	<b>:</b> 5	get	<b>:</b> 5	major	<b>:</b> 5	relations	<b>:</b> 5
design	<b>:</b> 5	concerns	<b>:</b> 5	artefacts	<b>:</b> 5	appropriate	: 5
statuses	: 5	both	: 5	developing	: 5	develop	: 5

I .IFII.D_T\program\circ	_relation(vvireque)	IICE/VVF1 10000.txt						2010年7
who	<b>:</b> 5	evolve	<b>:</b> 5	ideas	<b>:</b> 5	like	<b>:</b> 5	
people	<b>:</b> 5	real-world	<b>:</b> 5	artefact	<b>:</b> 5	methods	: 5	
connect	<b>:</b> 5	layers	: 4	activities	: 4	revolution	: 4	
further	: 4	even	: 4	scientists	: 4	method	: 4	
understanding	: 4	separation	: 4	study	: 4	suitable	: 4	
evolves	: 4	concepts	: 4	control	: 4	times	: 4	
how	: 4	methodology	: 4	abstraction	: 4	help	: 4	
super-linked	: 4	actually	: 4	evolution	: 4	generation	: 4	
internet	: 4	formation	: 4	where	: 4	view	: 4	
historical	: 4	able	: 4	services	: 4	mobile	: 4	
semantics	: 4	do	: 4	18	: 4	ability	: 4	
extend	: 4	relevant	: 4	create	: 4	gap	: 4	
situation	: 4	represents	: 4	characteristics	: 4	well	: 4	
among	: 4	coordination	: 4	potential	: 4	harmoniously	: 4	
presence	: 4	beings	: 4	pre-designed	: 4	networking	: 4	
transform	: 4	virtual	: 4	users	: 4	zooming	: 4	
proposed	: 4	represent	: 3	health	: 3	disciplines	: 3	
phones	: 3	cooperatively	: 3	current	: 3	subspaces	: 3	
evolving	: 3	explore	: 3	great	: 3	involved	: 3	
consumption	: 3	type	: 3	reflects	: 3	challenge	: 3	
requirements	: 3	ubiquitous	: 3	types	: 3	symbols	: 3	
production	: 3	easily	: 3	establishing	: 3	domain	: 3	
hard	: 3	measure	: 3	living	: 3	since	: 3	
theory	: 3	language	: 3	first	: 3	weave	: 3	
structures	: 3	13	: 3	roles	: 3	tree	: 3	
enables	: 3	mind	: 3	linked	: 3	patterns	: 3	
techniques	: 3	relation	: 3	artificial	: 3	dimension	: 3	
sustainable	: 3	computer	: 3	result	: 3	evaluation	: 3	
interacting	: 3	versatile	: 3	extent	: 3	many	: 3	
been	: 3	fig	: 3	self-organized	: 3	understand	: 3	
these	: 3	belong	: 3	cross	: 3	flows	: 3	
levels	: 3	changing	: 3	actuators	: 3	applications	: 3	
previous	: 3	depicts	: 3	transformation	: 3	phenomena	: 3	
necessary	: 3	facets	: 3	gradually	: 3	models	: 3	
machine	: 3	object	: 3	communicate	: 3	carried	: 3	
children	: 3	devices	: 3	there	: 3	way	: 3	
function	: 3	multi-space	: 3	embedded	: 3	image	: 3	
build	: 3	papers	: 3	node	: 3	important	: 3	
lead	: 3	all	: 2	concept	: 2	limited	: 2	
four	: 2	computation	: 2	calculate	: 2	preserved	: 2	
include	: 2	worth	: 2	takes	: 2	orthogonal	: 2	
common	: 2	enhance	: 2	cyber	: 2	video	: 2	
dynamics	: 2	established	: 2	what	: 2	plays	: 2	
self-adaptive	: 2	symbiosis	: 2	falling	: 2	others	: 2	
active	: 2	healthy	: 2	experience	: 2	navigation	: 2	
manage	: 2	languages	: 2	contains	: 2	scope	: 2	
separated	: 2	unhealthy	: 2	getting	: 2	virtually	: 2	
self-organize	: 2	work	: 2	pmachines	: 2	evolved	: 2	
provide	: 2	holds	: 2	cross-space	: 2	influences	: 2	

	CL_relation(vvii) equent	CENT I 10000.LXL						2010年7月10日3
co-evolve	: 2	description :	: 2	explored	: 2	multiplication	<b>:</b> 2	
rather	: 2	keeps :	: 2	operate	: 2	existence	: 2	
still	: 2	20 :	: 2	personal	: 2	forms	: 2	
finer	: 2		: 2	reduce	: 2	separating	: 2	
commonsense	: 2	event :	: 2	actively	: 2	quality	: 2	
content	: 2		: 2	temperature	: 2	definition	: 2	
computers	: 2	due :	: 2	think	: 2	organize	: 2	
feel	: 2	service :	: 2	structured	: 2	pervasive	: 2	
exploring	: 2	explanation :	: 2	than	: 2	symptom	: 2	
12	: 2	15 :	: 2	14	: 2	16	: 2	
19	: 2		: 2	collecting	: 2	viewer	: 2	
modern	: 2	issue :	: 2	efficient	: 2	gravity	: 2	
transmit	: 2	play :	: 2	on-demand	: 2	traditional	: 2	
meaning	: 2	text :	: 2	designer	: 2	access	: 2	
based	: 2		: 2	rich	: 2	over	: 2	
triangle	: 2		: 2	means	: 2	etc.	: 2	
consisting	: 2	architecture :	: 2	depends	: 2	parking	: 2	
concern	: 2	progress :	: 2	however	: 2	cities	: 2	
essentially	: 2	context :	: 2	interactive	: 2	large-scale	: 2	
effective	: 2	community :	: 2	key	: 2	considering	: 2	
formed	: 2	observe :	: 2	demand	: 2	critical	: 2	
value	: 2	while :	: 2	loop	: 2	itself	: 2	
relies	: 2	supports :	: 2	reflection	: 2	minimize	: 2	
obviously	: 2	components :	: 2	coordinate	: 2	traffic	: 2	
bodies	: 2		: 2	obtain	: 2	using	: 2	
captured	: 2	point :	: 2	parents	: 2	human?machine	: 2	
read	: 2	cultural :	: 2	specific	: 2	collect	: 2	
become	: 2	security :	: 2	because	: 2	man	: 2	
dimensions	: 2		: 2	stage	: 2	location	: 2	
ensure	: 2		: 2	communication	: 2	within	: 2	
centrality	: 2	cyber-physical-socio:	: 2	before	: 2	support	: 2	
influencing	: 2		: 2	basic	: 2	idea	: 2	
pj	: 2	pi :	: 2	aeroplanes	: 2	reflexive	: 2	
similar	: 2		: 2	role	: 2	optimization	: 2	
problems	: 2	robots :	: 2	rule	: 2	keep	: 1	
particular	: 1	<u> </u>	: 1	results	: 1	existing	: 1	
machine-understa	andable: 1	fusing	: 1	simon	: 1	physiological	: 1	
promote	: 1	, ,	: 1	indicate	: 1	under	: 1	
discovering	: 1		: 1	far	: 1	dynamicity	: 1	
connects	: 1	govern :	: 1	ticket	: 1	exact	: 1	
transmission	: 1	graph-based :	: 1	standards	: 1	leave	: 1	
licklider	: 1		: 1	attracting	: 1	logistics	: 1	
force	: 1	discover :	: 1	rate	: 1	cost	: 1	
displays	: 1	pass :	: 1	estimated	: 1	paintings	: 1	
giving	: 1		: 1	specification	: 1	pijl	: 1	
brief	: 1		: 1	supplies	: 1	relationships	: 1	
exchange	: 1	learn :	: 1	behaviour	: 1	operating	: 1	
safer	: 1		: 1	implicit	: 1	changed	: 1	
natureq	: 1	action :	: 1	conveniently	: 1	tasks	: 1	

F:\Pn.D_1\program\Eclipse\CE	_relation\wireque	nce\wPFt0006.txt						2016年7月18日 9:42
love	: 1	scales	: 1	psychological	: 1	texts	: 1	
total	: 1	tools	: 1	select	: 1	i.e.	: 1	
pcyber-physical	: 1	scenarios	: 1	program	: 1	therefore	: 1	
taken	: 1	analysing	: 1	flying	: 1	aware	: 1	
equipments	: 1	cases	: 1	hold	: 1	account	: 1	
diverse	: 1	harmonious	: 1	values	: 1	challenging	: 1	
expanding	: 1	preserving	: 1	originates	: 1	indicates	: 1	
destination	: 1	worldview	: 1	unites	: 1	behave	: 1	
answer	: 1	optimal	: 1	intelligent	: 1	economy	: 1	
half-century	: 1	buildings	: 1	huge	: 1	m?a	: 1	
after	: 1	mapping	: 1	questioning	: 1	panoramic	: 1	
designed	: 1	meaningful	: 1	efficiently	: 1	changes	: 1	
short	: 1	locates	: 1	third	: 1	light	: 1	
separations	: 1	maintain	: 1	fundamental	: 1	retrieval	: 1	
typical	: 1	operations	: 1	office	: 1	developed	: 1	
pointed	: 1	move	: 1	displayed	: 1	mathematicians	: 1	
designeros	: 1	statistical	: 1	documents	: 1	facilitates	: 1	
nets	: 1	24	: 1	25	: 1	21	: 1	
22	: 1	23	: 1	temporal	: 1	detected	: 1	
pervade	: 1	bridged	: 1	2010	: 1	archival	: 1	
them	: 1	views	: 1	food	: 1	introduce	: 1	
break	: 1	effects	: 1	term	: 1	document	: 1	
capability	: 1	realistic	: 1	reasonable	: 1	locate	: 1	
instructiong	: 1	constraints	: 1	schemes	: 1	financial	: 1	
significantly	: 1	accessible	: 1	intangible	: 1	expect	: 1	
herbert	: 1	special	: 1	category	: 1	accomplish	: 1	
entertainment	: 1	continually	: 1	transforming	: 1	safety	: 1	
autopilot	: 1	classify/cluster/le	ocate: 1	sensor	: 1	occurs	: 1	
shows	: 1	foundation	: 1	retrieved	: 1	maintains	: 1	
approaches	: 1	reasoning/navigation	on: 1	tags	: 1	derivation	: 1	
could	: 1	correctness	: 1	feasible	: 1	turn	: 1	
fruit	: 1	relational	: 1	facilitate	: 1	origin	: 1	
features	: 1	probability	: 1	reflected	: 1	channels	: 1	
directly	: 1	owner	: 1	privilege	: 1	electronic	: 1	
city	: 1	little	: 1	publication	: 1	privacy	: 1	
fiction	: 1	priority	: 1	station	: 1	accessed	: 1	
final	: 1	insightful	: 1	building	: 1	copj	: 1	
sensation	: 1	slides	: 1	environmental	: 1	reflecting	: 1	
incur	: 1	authors	: 1	cooperate	: 1	population	: 1	
11	: 1	10	: 1	isolation	: 1	second	: 1	
patients	: 1	negatively	: 1	proactive	: 1	interests	: 1	
addressing	: 1	weiser	: 1	explicit	: 1	dynamically	: 1	
sometimes	: 1	need	: 1	exhibit	: 1	viewed	: 1	
acceleration	: 1	built	: 1	studying	: 1	answering	: 1	
mechanism	: 1	relatives	: 1	take	: 1	algorithms	: 1	
added	: 1	allow	: 1	measures	: 1	intentions	: 1	
connected	: 1	alarmed	: 1	why	: 1	peers	: 1	
cause	: 1	especially	: 1	gather	: 1	order	: 1	
managing	: 1	points	: 1	principle	: 1	pattern	: 1	
		-		=				

predictable   1	i .\rii.D_i\piograff\Lclipse\C	L_relation(vvireque)	IICE/VVF1 10000.txt						2010年7月10日 9
bring	predictable	: 1	senior		physics	: 1	notion	: 1	
Lying	stones	: 1	incorporate		phenomenon			: 1	
Peavily	bring	: 1	theories	: 1	participate	: 1	find	: 1	
quipped   1	trying	: 1	well-being	: 1	situations	: 1	explain	: 1	
Marginess   1	heavily	: 1	distributed	: 1	should	: 1	jam	: 1	
trees	equipped	: 1	fuel	: 1	employed	: 1	importantly	: 1	
resolve         : 1         resource         : 1         17         : 1         textbooks         : 1           exitends         : 1         tenneahouse         : 1         logistic         : 1         cycles         : 1           precaution         : 1         locating         : 1         consciously         : 1         knowing         : 1           incorporating         : 1         capacity         : 1         ways         : 1         wot         : 1           saway         : 1         capacity         : 1         ways         : 1         wot         : 1           boundaries         : 1         classes         : 1         corectly         : 1         developer         : 1           wide         : 1         pressure         : 1         ppollabhars         : 1         we         : 1           follow         : 1         terms         : 1         importance         : 1         sold         : 1           carbon         : 1         terms         : 1         importance         : 1         sold         : 1           carbon         : 1         terms         : 1         density         : 1         mact-generation         : 1	awareness	: 1	his	: 1	express	: 1	overall	: 1	
extends	trees	: 1	made	: 1	unconsciously	: 1	areas	: 1	
Precaution	resolve	: 1	resource	: 1	17	: 1	textbooks	: 1	
reference	extends	: 1	tennenhouse	: 1	logistic	: 1	cycles	: 1	
Incorporating   1   Capacity   1   ways   1   wot   1   ways   1   ways   1   currently   1   propagates   1   yet   1   potential   1   potential   1   propagates   1   yet   1   publishers   1   we   1   publishers   1   sold   1   publishers   1   publi	precaution	: 1	locating	: 1	consciously	: 1	knowing	: 1	
Incorporating   1	requirement	: 1	motions	: 1	reference	: 1	enhanced	: 1	
away         : 1         currently         : 1         propagates         : 1         yet         : 1           boundaries         : 1         preserve         : 1         publishers         : 1         developer         : 1           rollow         : 1         preserve         : 1         publishers         : 1         wed         : 1           carbon         : 1         beyond         : 1         sub-healthy         : 1         monitor         : 1           carbon         : 1         come         : 1         autonomous         : 1         monitor         : 1           undetermined         : 1         tangible         : 1         density         : 1         minds         : 1           sensitive         : 1         attributes         : 1         density         : 1         minds         : 1           variety         : 1         ilnes         : 1         superlink         : 1         height         : 1           variety         : 1         ilnes         : 1         maximize         : 1         factors         : 1           ensures         : 1         quickly         : 1         cotate         : 1         factors         : 1	_	: 1	capacity	: 1	ways	: 1	wot	: 1	
Doundaries   1		: 1		: 1		: 1	yet	: 1	
wide         : 1         preserve         : 1         publishers         : 1         we         : 1           follow         : 1         terms         : 1         importance         : 1         sold         : 1           supermarket         : 1         beyond         : 1         sub-healthy         : 1         next-generation         : 1           carbon         : 1         temporal         : 1         autonomous         : 1         monitor         : 1           undetermined         : 1         temporal         : 1         density         : 1         monitor         : 1           undetermined         : 1         temporal         : 1         density         : 1         minds         : 1           undetermined         : 1         temporal         : 1         density         : 1         minds         : 1           undetermined         : 1         temporal         : 1         density         : 1         minds         : 1           undetermined         : 1         reasons         : 1         minds         : 1           undetermined         : 1         positively         : 1         cameras         : 1         factors         : 1 <td< td=""><td></td><td>: 1</td><td><del>-</del></td><td>: 1</td><td></td><td>: 1</td><td>developer</td><td>: 1</td><td></td></td<>		: 1	<del>-</del>	: 1		: 1	developer	: 1	
follow         : 1         terms         : 1         importance         : 1         sold         : 1           supermarket         : 1         beyond         : 1         sub-healthy         : 1         next-generation         : 1           carbon         : 1         come         : 1         sub-healthy         : 1         monitor         : 1           undetermined         : 1         tangible         : 1         density         : 1         minds         : 1           sensitive         : 1         attributes         : 1         density         : 1         minds         : 1           variety         : 1         reasons         : 1         adapted         : 1         otherwise         : 1           variety         : 1         reasons         : 1         superlink         : 1         height         : 1           variety         : 1         reasons         : 1         superlink         : 1         height         : 1           variety         : 1         reasons         : 1         superlink         : 1         height         : 1           variety         : 1         colate/reason/navigate:         : 1         basis         : 1           c			preserve				-		
supermarket         : 1         beyond         : 1         sub-healthy         : 1         next-generation         : 1           carbon         : 1         come         : 1         autonomous         : 1         monitor         : 1           undetermined         : 1         tangible         : 1         density         : 1         minds         : 1           sensitive         : 1         attributes         : 1         adapted         : 1         otherwise         : 1           ponnecting         : 1         reasons         : 1         superlink         : 1         height         : 1           variety         : 1         illness         : 1         maximize         : 1         factors         : 1           ensures         : 1         positively         : 1         cameras         : 1         basis         : 1           ensures         : 1         quickly         : 1         locate/reason/navigate: 1         maintenance         : 1           unavigate         : 1         quickly         : 1         locate/reason/navigate: 1         maintenance         : 1           unavigate         : 1         senses         : 1         reaction         : 1         route <t< td=""><td></td><td></td><td><del>-</del></td><td></td><td>-</td><td></td><td>sold</td><td>: 1</td><td></td></t<>			<del>-</del>		-		sold	: 1	
carbon         : 1         come         : 1         autonomous         : 1         monitor         : 1           undetermined         : 1         tangible         : 1         density         : 1         minds         : 1           sensitive         : 1         attributes         : 1         superlink         : 1         height         : 1           variety         : 1         illness         : 1         superlink         : 1         height         : 1           ensures         : 1         positively         : 1         cameras         : 1         basis         : 1           co-exist         : 1         goickly         : 1         comeras         : 1         basis         : 1           waste         : 1         collected         : 1         linguistic         : 1         maintenance         : 1           waste         : 1         senses         : 1         linguistic         : 1         featuring         : 1           waste         : 1         gos         : 1         linguistic         : 1         coherent         : 1           waste         : 1         gos         : 1         pintos         : 1         coherent         : 1	supermarket	: 1	bevond					: 1	
undetermined         : 1         tangible         : 1         density         : 1         minds         : 1           sensitive         : 1         attributes         : 1         adapted         : 1         cotherwise         : 1           ponnecting         : 1         reasons         : 1         superlink         : 1         height         : 1           variety         : 1         illness         : 1         maximize         : 1         factors         : 1           conexist         : 1         quickly         : 1         comercing         : 1         basis         : 1           co-exist         : 1         quickly         : 1         locate/reason/navigate         : 1         maintenance         : 1           navigate         : 1         quickly         : 1         locate/reason/navigate         : 1         maintenance         : 1           navigate         : 1         collected         : 1         linguistic         : 1         featuring         : 1           navigate         : 1         senses         : 1         reaction         : 1         featuring         : 1           navigate         : 1         senses         : 1         photos         : 1	-		_		<u>=</u>		2	: 1	
sensitive         : 1         attributes         : 1         adapted         : 1         cherwise         : 1           pconnecting         : 1         reasons         : 1         superlink         : 1         height         : 1           variety         : 1         illness         : 1         reactors         : 1         factors         : 1           ensures         : 1         positively         : 1         cameras         : 1         basis         : 1           co-exist         : 1         quickly         : 1         locate/reason/navigate: 1         maintenance         : 1           navigate         : 1         collected         : 1         linguistic         : 1         maintenance         : 1           waste         : 1         senses         : 1         reaction         : 1         route         : 1           concerning         : 1         gas         : 1         photos         : 1         route         : 1           concerning         : 1         audio         : 1         easier         : 1         aim         : 1           recontine         : 1         audio         : 1         easier         : 1         aim         : 1 <t< td=""><td>undetermined</td><td>: 1</td><td></td><td>: 1</td><td></td><td>: 1</td><td></td><td>: 1</td><td></td></t<>	undetermined	: 1		: 1		: 1		: 1	
poonnecting         : 1         reasons         : 1         superlink         : 1         height         : 1           variety         : 1         illness         : 1         maximize         : 1         factors         : 1           co-exist         : 1         quickly         : 1         locate/reason/navigate: 1         maintenance         : 1           navigate         : 1         collected         : 1         lingistic         : 1         featuring         : 1           waste         : 1         senses         : 1         reaction         : 1         route         : 1           concerning         : 1         gas         : 1         prebotos         : 1         coherent         : 1           present         : 1         audio         : 1         reaction         : 1         coherent         : 1           present         : 1         audio         : 1         easier         : 1         aspritations         : 1           present         : 1         hardware         : 1         designers         : 1         aspritations         : 1           engineers         : 1         i fet         : 1         vind         : 1         propagation         : 1			2		<del>-</del>			: 1	
variety         : 1         illness         : 1         maximize         : 1         basis         : 1           co-exist         : 1         quickly         : 1         locate/reason/navigate: 1         maintenance         : 1           navigate         : 1         collected         : 1         linguistic         : 1         featuring         : 1           waste         : 1         senses         : 1         reaction         : 1         route         : 1           concerning         : 1         gas         : 1         photos         : 1         coherent         : 1           concerning         : 1         gas         : 1         photos         : 1         coherent         : 1           concerning         : 1         gas         : 1         photos         : 1         coherent         : 1           concerning         : 1         gas         : 1         photos         : 1         coherent         : 1           concerning         : 1         gas         : 1         photos         : 1         coherent         : 1           current         : 1         gas         : 1         photos         : 1         amin         : 1           c	pconnecting								
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concerning         : 1         gas         : 1         photos         : 1         coherent         : 1           present         : 1         audio         : 1         easier         : 1         aim         : 1           euclidean         : 1         reliability         : 1         designers         : 1         aspirations         : 1           engineers         : 1         hardware         : 1         embrace         : 1         non-material         : 1           engineers         : 1         hardware         : 1         embrace         : 1         non-material         : 1           engineers         : 1         hardware         : 1         vivid         : 1         propagation         : 1           efform         : 1         harmony         : 1         contain         : 1         spout the         : 1           hierarchies         : 1         several         : 1         higher         : 1         spout the         : 1           sensed         : 1         effectively         : 1         persons         : 1         respected         : 1           driven         : 1         programs         : 1         recent         : 1         internet-centric	-				2				
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fulfil	: 1	sketch	: 1	often	: 1	tells	: 1	
competition	: 1	identified	: 1	experiments	: 1	towards	: 1	
meters	: 1	evaluated	: 1	recommendation	: 1	home	: 1	
generates	: 1	micro	: 1	maps	: 1	integration	: 1	
whole	: 1	connecting	: 1	provides	: 1	innovation	: 1	
transmitted	: 1	semantically	: 1	three	: 1	chains	: 1	
coined	: 1	core	: 1	run	: 1	obey	: 1	
minimization	: 1	expansion	: 1	doctors	: 1	although	: 1	
fused	: 1	manufacturing	: 1	hilbert	: 1	limitation	: 1	
extension	: 1	extending	: 1	coexist	: 1	identification	: 1	
simulation	: 1	carries	: 1	greatly	: 1	own	: 1	
propagate	: 1	efforts	: 1	introduced	: 1	road	: 1	
software	: 1	computational	: 1	bridging	: 1	negative	: 1	
recognize	: 1	very	: 1	roads	: 1	available	: 1	
long	: 1	pages	: 1	low	: 1	mappings	: 1	
tight	: 1	manufacturers	: 1	forming	: 1	extended	: 1	
goals	: 1	cycle	: 1	removed	: 1	rebuilt	: 1	
deployed	: 1	count	: 1	places	: 1	radio-frequency	: 1	
us	: 1	record	: 1	economic	: 1	demonstrate	: 1	
multi-semantic	: 1	called	: 1	gone	: 1	vehicles	: 1	
abstract	: 1	general	: 1	single	: 1	enable	: 1	
our	: 1	education	: 1	happen	: 1	mathematic	: 1	
mutual	: 1	avoided	: 1	ideally	: 1	no	: 1	
green	: 1	application	: 1	long-time	: 1	operationos	: 1	
expected	: 1	explaining	: 1	elements	: 1	mutual-influence	: 1	
students	: 1	cpsocio	: 1	state-of-the-art	: 1	ecological	: 1	
authorities	: 1	privileges	: 1	ago	: 1	progresses	: 1	
described	: 1	ranks	: 1	required	: 1	fuse	: 1	
phumans	: 1	mass	: 1	2005	: 1	rural	: 1	
once	: 1							
WP_Fdic:								
['and', 'CC']		: 306	['the', 'DT		: 236	['of', 'IN']		: 173
['to', 'TO']		: 145	['space', ']		: 112	['in', 'IN']		: 105
['be', 'VB']		: 66	['can', 'MD		: 64	['physical', 'JJ']		: 59
['will', 'MD']		: 57	['is', 'VBZ		: 57	['-rrb-', '-RRB-']		: 56
['-lrb-', '-LRB-'		: 56	['through',		: 52	['individuals', 'NNS	S']	: 46
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['other', 'JJ']		: 15	['-lsb-', '	VBG']	: 15	['have', 'VBP']		: 15

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['an', 'DT']	: 14	['thoughts', 'NNS']	: 13	['machines', 'NNS']	: 13
	: 13		: 13	['that', 'WDT']	: 12
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		['flow', 'NN']	: 10	['each', 'DT']	: 10
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['more'. 'JJR']	• 9	['reflect', 'VB']		['another', 'DT']	<b>:</b> 9
['influence'. 'VB']	• 9	['one', 'CD']	<b>:</b> 9	['some', 'DT']	• 9
['time'. 'NN']	• 9	['new', 'JJ']	: 9	['their'. 'PRP\$']	<b>:</b> 9
['things' 'NNS']	• 9	['new', 'JJ'] ['knowledge', 'NN'] ['apple', 'NN'] ['needs', 'VBZ']	: 9	['their', 'PRP\$'] ['links', 'NNS'] ['real', 'JJ'] ['cps', 'NNP']	: 8
['iot' 'NNP']	• 8	['annle' 'NN']	: 8	['real' '.T.T']	: 8
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		['thought', 'NN']	: 7	['web', 'NNP']	. 3 : 7
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[ moder , NN ]	• 7			['they', 'PRP']	• / • 7
[ Hacure , NN ]	• 7	['structure', 'NN']		[ Chey , FRF ]	• / • 7
[ TENT , VEZ ]	• 7	['measured', 'VBN'] ['this', 'DT']	. / : 7	<pre>['example', 'NN'] ['human', 'NNP'] ['events', 'NNS']</pre>	. / : 7
[ process , NN ]	• 7	['individual', 'JJ']	. / : 7	[ lovental   NNC ]	. / : 7
['was', 'VBD']	• 7			['events', 'NNS']	: 7 : 7
['resources', 'NNS']	: /	['multiple', 'JJ']	: 7	['link', 'VB']	
['operation', 'NN']	: /	['its', 'PRP\$']	: 7	['communities', 'NNS']	
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['any', 'DT']	: 6	' t   t   t   r   ' . T.T	: 6	<pre>['artefacts', 'NNS'] ['including', 'VBG']</pre>	<b>:</b> 5
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['about', 'IN']	<b>:</b> 5	['interact', 'VB']	<b>:</b> 5	['issues', 'NNS']	<b>:</b> 5
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['out', 'RP']	<b>:</b> 5	['ideas', 'NNS']	<b>:</b> 5	['scientific', 'JJ']	<b>:</b> 5
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['sense', 'NN']	<b>:</b> 5	['super-link', 'JJ']	: 4	['actually', 'RB']	: 4
['do', 'VBP']	: 4	['virtual', 'JJ']	: 4	['individual', 'NN']	: 4
['gap', 'NN']	: 4	['ability', 'NN']	: 4	['beings', 'NNS']	: 4
['potential', 'JJ']	: 4	['how', 'WRB']	: 4	['connect', 'VB']	: 4
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I .\FII.D_I\program\cirpse\cc_relation\vviiequelice	AVVET 10000.LAL				2010年7月10日 9.42
['where', 'WRB']	: 4	<pre>['activities', 'NNS'] ['suitable', 'JJ'] ['characteristics', 'NNS'] ['historical', 'JJ'] ['well', 'RB'] ['situation', 'NN'] ['services', 'NNS'] ['real-world', 'NN'] ['systems', 'NNPS'] ['following', 'VBG'] ['coordination', 'NN']</pre>	: 4	['only', 'RB']	: 4
<pre>['concepts', 'NNS'] ['past', 'JJ'] ['transform', 'VB']</pre>	: 4	['suitable', 'JJ']	: 4	['even', 'RB']	: 4
['past', 'JJ']	: 4	['characteristics', 'NNS']	: 4	['semantics', 'NNS']	: 4
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['revolution', 'NN']	. 4	[ rear-world , NN ]	. 4	[ layers , NNS ]	. 4 : 4
['among', 'IN']	: 4	['Systems', 'NNFS']	: 4	['Have', 'VB']	: 4
['extend', 'VB']	: 4	[.tottomtud.'.npg.]	: 4	[,18,', ,CD,]	: 4
['develop', 'VB']	: 4 : 4 : 4 : 4	['coordination', 'NN']	: 4	['computing', 'NN']	: 4
['only', 'JJ'] ['abstraction', 'NN']	: 4	['change', 'VB']	: 4	['generation', 'NN']	: 4
['abstraction', 'NN']	<b>:</b> 4	['history', 'NN']	: 4	<pre>['times', 'NNS'] ['used', 'VBN'] ['represents', 'VBZ']</pre>	: 4
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['users', 'NNS']	: 4	['presence', 'NN']	: 4	['following', 'JJ']	: 4
['networking', 'NN']	• 4	['formation', 'NN']	: 4	['as', 'RB']	: 4
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[ proposed , VBN ]	. 3	<pre>['hard', 'JJ'] ['cooperatively', 'RB'] ['super-link', 'VB'] ['result', 'NN']</pre>	. 3	[!flows! !NNC!]	: 3 : 3
[ Idimonaion! INN!]	. 3	[ cooperatively , RB ]	. 3	<pre>['flows', 'NNS'] ['challenge', 'NN'] ['zooming', 'VBG']</pre>	• 3 • 3
[ dimension , NN ]		[ Super-IIIK , VB ]		[ Charlenge , NN ]	. 3
['relation', 'NN']	: 3	['result', 'NN']	: 3	['ZOOMING', 'VBG']	: 3
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['artefact', 'JJ']	: 3	['domain', 'NN']	: 3	['image', 'NN']	: 3

- The time_ The organism control of the time of time of the time of the time of the time of time of the time of time of time of the time of ti					2010-17110-01-12
['artificial', 'JJ']	: 3	['establishing', 'VBG']	: 3	<pre>['way', 'NN'] ['explored', 'VBN'] ['actively', 'RB'] ['evolved', 'VBN'] ['just', 'RB'] ['worth', 'NN'] ['communication', 'NN'] ['captured', 'VBN'] ['meaning', 'NN'] ['considering', 'VBG'] ['plays', 'VBZ'] ['live', 'VB'] ['gravity', 'NN'] ['think', 'VB'] ['idea', 'NN'] ['materials', 'NNS'] ['cities', 'NNS'] ['structured', 'VBN'] ['heory', 'NN'] ['parking', 'NN'] ['parking', 'NN'] ['supports', 'VBZ'] ['15', 'CD'] ['existence', 'NN'] ['so', 'IN'] ['so', 'IN'] ['collecting', 'VBG'] ['children', 'NNS'] ['embedded', 'JJ'] ['navigation', 'NN']</pre>	: 3
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['aiven' 'VRN']	• 2	['aeronlanes' 'NNS']	• 2	['evolved' 'VBN']	• 2
['role' 'NN']	• 2	['efficient' 'II']	• 2	['inet' 'DR']	• 2
[!contains! !VP7!]	• 2	['dynamics' 'NNC']	• 2	[ Juse , INN!]	• 2
[ Contains , VBZ ]	. 2	[ dynamics , NNS ]	. 2	[ MOICH , NN ]	. 2
['establish', 'VB']	: 2	['IOIMed', 'VBN']	: 4	['COMMUNICATION', 'NN']	: 2
['IIKe', 'UU']	: ∠	['quality', 'NN']	; ∠	['Captured', 'VBN']	: 2
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['healthy', 'JJ']	: 2	['value', 'NN']	: 2	['gravity', 'NN']	: 2
['used', 'VBD']	: 2	['self-adaptive', 'JJ']	: 2	['think', 'VB']	: 2
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['languages', 'NNS']	: 2	['takes', 'VBZ']	: 2	['parking', 'NN']	: 2
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['space' 'NNP']	• 2	['viewer' 'NN']	• 2	['supports' 'VB7']	• 2
['due' '.T.T']	• 2	['ensure' 'VB']	• 2	[1151 1001]	• 2
['location' 'NN']	• 2	['while' 'TN']	• 2	['evistence' 'NN']	• 2
[ lbaced! IVDN!]	. 2	[ WILLE , IN ]	. 2	[ existence , NN ]	. 2
[ paseu , vbN ]	. 2	[ MINIMIZE , VB ]	. 2	[ 50 , IN ]	. 2
['leer', 'VB']	: 2	[ Specific, Junp1]	: 4	[122] antimate [MDC1]	: 2
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['video', 'NN']	: 2	['multi-space', 'JJ']	: 2	['read', 'VB']	: 2
['service', 'NN']	: 2	['experience', 'NN']	: 2	['unhealthy', 'JJ']	: 2
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['make', 'VBP']	: 2	['science', 'NNP']	: 2	<pre>['structured', 'VBN'] ['structured', 'VBN'] ['theory', 'NN'] ['obviously', 'RB'] ['parking', 'NN'] ['influencing', 'VBG'] ['supports', 'VBZ'] ['15', 'CD'] ['existence', 'NN'] ['so', 'IN'] ['12', 'CD'] ['collecting', 'VBG'] ['children', 'NNS'] ['embedded', 'JJ'] ['navigation', 'NN'] ['read', 'VB'] ['unhealthy', 'JJ'] ['can', 'JJ'] ['artefact', 'NN'] ['artefact', 'NN'] ['limited', 'VBN'] ['mathematical', 'JJ'] ['self-organized', 'JJ'] ['architecture', 'NN']</pre>	: 2
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['super-linked', 'JJ']	: 2	['health', 'NN']	: 2	['mathematical', 'JJ']	<b>:</b> 2
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					: 2 : 2
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['pmachines', 'NNS']	: 2	['-lsb-', 'NN']	: 2	['on-demand', 'JJ']	: 2
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	: 2	['temperature', 'NN']	: 2	['large-scale', 'JJ']	: 2
['represent', 'VB']	: 2	['data', 'NNP']	: 2	['established', 'VBN']	: 2
['separating', 'VBG']		['issue', 'NN']		['content', 'NN']	: 2
['cultural'. 'JJ']	• 2	['holds', 'VBZ']	: 2	[lfum+box! IDD1]	. 2
['common', 'JJ']	: 2	['study', 'NN']	: 2	['effective', 'JJ']	: 2
['real-time'. 'NNP']	• 2	['within', 'IN']	: 2	['effective', 'JJ'] ['coordinate', 'VB']	: 2
['capability'. 'NN']	• <u>-</u> • 1	['low', 'JJ']	: 1	['we', 'PRP']	: 1
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		['reflection', 'VB']			: 1 : 1
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['state-of-the-art' 'JJ']	• ± • 1	['drawing' 'VBC']	• ± • 1	['supported' 'VBN']	• ± • 1
[ state of the art , oo ]	• 1	[ drawing , vbg ]	• ± • 1	[ Supported , VBN ]	• ±
[ Studies , NNS ]	• 1	[ Dullulings , NNS ]	• 1	[ emmanded , VBN ]	• ±
['See', 'VB']	; 1	['graph-based', 'JJ']	; <u>1</u>	['accessible', 'oo']	; <u>1</u>
['tnira', 'JJ']	; 1	['exploring', 'VBG']	: 1	['aiter', 'IN']	: 1
['term', 'NN']	: 1	['self-organize', 'NN']	: 1	['maintenance', 'NN']	: 1
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['nlaces' 'NNS']	• ± • 1	['removed' 'VBN']	• ± • 1	['concent' 'NN']	• ± • 1
[ praces , NNS ]	• 1	[!undotormined! !II!]	• 1	['sciontific' 'NND']	• ± • 1
[ SIIUES , NNS ]	• ± • 1	[ undetermined , oo ]	• ± • 1	[ Scientific , NNF ]	• ±
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['Dellave', 'VB']	; <u>1</u>	['elements', 'NNS']	; <u>1</u>	[ Connect, VBP ]	; <u>1</u>
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<pre>['mart', 'NNP'] : 1</pre>	['eafaty! 'NN']	• 1	[!theory! !.T.T!]	• ± • 1	['houndaries' 'NNG']	• ± • 1
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<pre>['mart', 'NNP'] : 1</pre>	[!financial! !TT!]	• ± • 1	[ preserve , vb ]	• ± • 1	[!colf-organize! !VP!]	• ± • 1
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['ckotch' 'NP']	• ± • 1	[!factore! !NNC!]	• 1	[!concont! !VPC!]	• ± • 1
['change' 'NN']	• 1	['aroas' 'NNS']	• ± • 1	['multi-space' 'VD']	• ± • 1
[ Change , NN ]	• ±	[ dreas , NNS ]	• 1	[ Multi-space , VB ]	• ±
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[ machine-understandable , 00 ]	• ± • 1	[ view , vb ]	• 1	[ligolation   INN!]	• ± • 1
[ cyber-physical-social , oo ]	• 1	[ radio-frequency , NNF ]	• 1	[ ISOIACION , NN ]	• ±
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[ bernagine, . Apt.]	: I	[ Select, ' .AB.]	: 1	[ reave.' . Ap.]	; <u>T</u>

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represent	: ['VB', 'VBP']	all	: ['DT']	1 3	
concept	: ['NN', 'VBG']	semantic	: ['NNP', '	'JJ']	
limited	: ['VBN']	keep	: ['VB']		
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results	: ['NNS']	existing	: ['VBG']		
four	: ['CD']	computation	: ['NN', 'N	NNS']	
consists	: ['VBZ']	machine-understa	andable: ['JJ']		
fusing	: ['VBG']	reasoning	: ['NN']		
issues	: ['NNS']	layers	: ['NNS']		
simon	: ['NNP']	calculate	: ['VB']		
physiological	: ['JJ']	promote	: ['VB']		
search/surf/zoom	: ['VB']	environment	: ['NN']		
to	: ['TO']	cpsoc	: ['NNP', '	'NNS']	
indicate	: ['VB']	preserved	: ['VBN']	•	
under	: ['IN']	discovering	: ['VBG']		
health	: ['NN', 'NNP']	nodes	: ['NNS']		
include	: ['VBP', 'VB']	worth	: ['NN']		
resources	: ['NNS', 'NNP']	certain	: ['JJ']		
activities	: ['NNS']	takes	: ['VBZ']		
orthogonal	: ['JJ', 'RB']	far	: ['RB']		
dynamicity	: ['NN']	connects	: ['VBZ']		
govern	: ['VBP']	ticket	: ['NN']		
exact	: ['JJ']	common	: ['JJ']		
transmission	: ['NN']	graph-based	: ['JJ']		
standards	: ['NNS']	leave	: ['VB']		
	-				
licklider	: ['NNP']	spaces	: ['NNS']		
science	: ['NN', 'NNP', 'VB']		: ['VB']		
unaware	: ['JJ']	attracting	: ['VBG']		
logistics	: ['NNS']	the	: ['DT']		
revolution	: ['NN']	force	: ['VB']		
disciplines	: ['NNS']	be	: ['VB']		
phones	: ['NNS']	discover	: ['VB']		
cyber	: ['JJ', 'NN']	past	: ['JJ', 'N	NN ' ]	
rate	: ['NN']	cost	: ['NN']		
video	: ['NN']	displays	: ['VBZ']		

pass         : ['VB']         further         : ['RBR', 'RB']           machines         : ['NNS', 'NNFS']         estimated         : ['VB']           even         : ['RB']         established         : ['VB']           what         : ['WP']         established         : ['VBC']           painting         : ['NNS']         specification         : ['VBC']           decisions         : ['NNS']         specification         : ['NNT']           pijl         : [NNS']         specification         : ['NNT']           netwish         : [NNS']         specification         : ['NNT']           netwish         : [NNS']         specification         : ['NNS']           scientists         : [NNS']         supplies         : ['NNS']           scientists         : ['NNS']         supplies         : ['NNS']           relationships         : ['NNS']         sevelving         : ['VBC']	THE THE _ THE OG TANK EUROPEUT	, oration tri oquologitti i roodditat		2010-17110-101-1
machines         : ['NRS', 'NNFS']         cooperatively         : ['NS']           even         : ['RB']         established         : ['YB']           what         : ['NNS']         plays         : ['YBC']           paintings         : ['NNS']         specification         : ['NNT]           occisions         : ['NNT]         specification         : ['NNT]           networks         : ['NNT]         specification         : ['NNT]           experiment         : ['NNT]         subspaces         : ['NNT]           systication         : ['NNT]         subspaces         : ['NNT]           systication         : ['NNT]         subspaces         : ['NNT]           stations         : ['NNT]         subspaces         : ['NNT]           relationships         : ['NNT]         evolving         : ['NNT]           relationships         : ['NNT]         evolving         : ['NNT, 'NNT]           learn         : ['NNT]         understanding         : ['NNT, 'NNT]           benaviour         : ['NNT]         understanding         : ['NNT, 'NNT]           cyber-physical         : ['NNT]         operating         : ['NNT]           cyber-physical         : ['NNT]         operating         : ['NNT] <th>pass</th> <th>: ['VB']</th> <th>further : ['RBR', 'RB']</th> <th></th>	pass	: ['VB']	further : ['RBR', 'RB']	
even         : ['NE']         patchished         : ['YEN']           what         : ['NE']         plays         : ['YBG']           paintings         : ['NNG']         specification         : ['NN']           pij1         : ['NN']         brief         : ['JJ']           networks         : ['NNG']         current         : ['JJ']           experiment         : ['NNG']         subspaces         : ['NNG']           symbiosis         : ['NNG']         supplies         : ['NNG']           sclentists         : ['NNG']         supplies         : ['NNG']           falling         : ['VBS']         supplies         : ['NNG']           falling         : ['NNG']	dynamics	: ['NNS']	estimated : ['VBN']	
Palay	machines	: ['NNS', 'NNPS']	cooperatively : ['RB']	
maintings         : [NNS1]         giving         : [VEC]           dectains         : [NNS1]         specification         : [NN1]           pijl         : [NNS1]         brief         : [JJJ]           networks         : [NNS1]         current         : [JJJ]           experiment         : [NNS]         subspaces         : [NNS]           scientists         : [NNS]         subspaces         : [NNS]           scientists         : [NNS]         supplies         : [NNS]           scientists         : [NNS]         supplies         : [NNS]           scientists         : [NNS]         evolving         : [VEG]           relationships         : [NNS]         evolving         : [VEG]           learn         : [VNS]         evolving         : [VEG]           learn         : [VNY]         understanding         : [NNF, "NNF]           learn         : [VNY]         understanding         : [NNF, "NNF]           learn         : [VNY]         explain         : [NNF, "VBG]           behaviour         : [NNF, "VBG]         : [NNF, "VBG]           cipcatal         : [NNF, "VBG]         : [NNF, "VBG]           sefect         : [JJT]         change         : [VER, "	even	: ['RB']	established : ['VBN']	
paintings         : [NNS1]         giving         : [VBG']           decisions         : [NNS1]         brief         : [VJ]           pijl         : [NNS1]         brief         : [VJ]           networks         : [NNS1]         sul-adaptive         : [VJ]           experiment         : [NNS1]         sul-adaptive         : [VJ]           symbiosis         : [NNS1]         subspaces         : [NNS1]           scientiats         : [NNS1]         supplies         : [NNS1]           scientiats         : [NNS1]         supplies         : [NNS1]           scientiats         : [NNS1]         evolving         : [NNS1]           scientiats         : [NNS1]         evolving         : [NNS1]           sectange         : [NNT]         human         : [UJ, [UV]           learn         : [VW]         understanding         : [NW]           schange         : [NNT]         supplies         : [NNT]           scher         : [UNS1]         separation         : [UNN]           scher         : [UNS1]         separation         : [UNN]           scher         : [UNS1]         separation         : [UNN]           scher         : [UNN]         separation	what	: ['WP']	plays : ['VBZ']	
pij         : ['NN']         brief         : ['JJ']           networks <td: ['nn']<="" td="">         current         : ['JJ']           experiment         : ['NN']         self-adaptive         : ['JJ']           symbiosis         <td: ['nns']<="" td="">         subspaces         : ['NNS']           scientists         : ['NNS']         supplies         : ['NNS']           falling         : ['VBG']         method         : ['NN', 'JJ']           relationships         : ['NN']         human         : ['JJ', 'NNF', 'NN']           learn         : ['VB']         understanding         : ['NN', 'VBG']           behaviour         : ['NN']         explore         : ['NN', 'VBG']           cbets         : ['NNB']         operating         : ['NN']           cbjects         : ['NNB', 'JJ']         operating         : ['NN']           cthers         : ['NJB', 'JJ']         operating         : ['NN']           cthers         : ['NJB', 'JJ']         active         : ['NNB', 'JJ']           implicit         : ['JJ']         change         : ['NNB', 'NN']           implicit         : ['JJ']         change         : ['NN', 'NN']           invalidation         : ['NN']         stall 'NN'           inval</td:></td:>	paintings	: ['NNS']	giving : ['VBG']	
networks	= =			
networks	pijl	: ['NN']	brief : ['JJ']	
experiment         : ['NN']         self-adaptive         : ['JJ']           symbiosis         : ['NNS']         subpaces         : ['NNS']           scientists         : ['NNS']         supplies         : ['NNS']           relationships         : ['NNS']         evolving         : ['UJ', 'NNP', 'NN']           exchange         : ['NN']         human         : ['JJ', 'NNP', 'NN']           behaviour         : ['NN']         explore         : ['VB']           objects         : ['NNS']         operating         : ['NN']           objects         : ['NNS']         operating         : ['NN']           others         : ['NNS']         separation         : ['NN']           others         : ['JJ']         active         : ['NN']           sater         : ['JJ']         change         : ['VBN']           implicit         : ['JJ']         change         : ['VBN']           involved         : ['WIN']         study         : ['NN']           involved         : ['WBN']         study         : ['NN']           action         : ['NN']         scial         : ['NN']           action         : ['NN']         scial         : ['NN']           scales         : ['NN']		: ['NNS']	current : ['JJ']	
scientists         : ['NNS']         supplies         : ['NNS']           falling         : ['NNS']         nethod         : ['NN']           relationships         : ['NNS']         evolving         : ['VBC']           exchange         : ['NN']         human         : ['JJ', 'NNP', 'NN']           behaviour         : ['NNS']         understanding         : ['NN']           objects         : ['NNS']         operating         : ['NN']           others         : ['NNS']         operating         : ['NN']           others         : ['NNS']         active         : ['NNP', 'JJ']           safer         : ['JJR']         invented         : ['VBN']           safer         : ['JJ']         change         : ['VBN']           spratt         : ['VBN']         stub         : ['JJ']           change         : ['VBN']         stub         : ['NN']           change         : ['NN']         social         ! ['NN']           change         : ['NN']	experiment	: ['NN']	self-adaptive : ['JJ']	
ralling : ['VBC'] method : ['NN', 'JJ'] relationships : ['NNS'] evolving : ['VBC'] exchange : ['NN'] human : ['JJ, 'NNP', 'NN'] learn : ['NN'] explore : ['NN'] behaviour : ['NN'] explore : ['VB'] behaviour : ['NN'] explore : ['VB'] objects : ['NNS'] operating : ['NN'] others : ['NNS'] active : ['NNP', 'JJ'] safer : ['JJT'] healthy : ['VBF', 'NN'] implicit : ['JJ'] change : ['VBF', 'NN'] great : ['JJT'] healthy : ['JJ'] involved : ['VBN'] study : ['NN', 'VBF', 'NNF'] involved : ['VNN'] experience : ['NN'] action : ['NN'] social : ['NN', 'VBF, 'NNF'] suitable : ['JJ'] having experience : ['NN'] suitable : ['JJ'] having experience : ['NN'] suitable : ['NN'] conveniently : ['NB'] scales : ['NNS'] having experience : ['NN'] scales : ['NNS'] having experience : ['NNS'] scales : ['NNS'] havin	symbiosis	: ['NNS', 'NN']	subspaces : ['NNS']	
relationships : ['NNS'] evolving : ['YBG'] evchange exchange : ['NN'] human : ['JJ', 'NNP', 'NN'] learn : ['WB'] understanding : ['NN', 'VBG'] behaviour : ['NN'] explore : ['WB'] experience : ['NN] experience : ['NN] experience : ['NN] experience : ['NNP', 'JJ'] experience : ['NNP', 'JJ'] experience : ['NNP', 'WB', 'NN'] experience : ['NN] experience : ['NN'] experience : ['NN] experience : [	scientists	: ['NNS']	supplies : ['NNS']	
exchange         : ['NN']         human         : ['JJ', 'NNP', 'NN']           learn         : ['NV']         understanding         : ['NN', 'VBG']           behaviour         : ['NN']         explore         : ['VB']           objects         : ['NNP', 'JJ']         explore         : ['VB']           objects         : ['NNP', 'JJ']         separation         : ['NN']           cyber-physical         : ['NNP', 'JJ']         separation         : ['NN']           others         : ['NNS']         active         : ['NNP', 'JJ']           safer         : ['JJ']         change         : ['WB']         'JJ']           implicit         : ['JJ']         change         : ['NN']         'NN']           great         : ['JJ']         change         : ['NN']         'NN']           involved         : ['VBN']         study         : ['NN']         'NN']           changed         : ['NN']         study         : ['NN']         'NN']           action         : ['NN']         social         : ['NNP', 'JJ']         study           stasks         : ['NN']         social         : ['NN']         study           stasks         : ['NNS']         study         : ['NN']         study <td>falling</td> <td>: ['VBG']</td> <td>method : ['NN', 'JJ']</td> <td></td>	falling	: ['VBG']	method : ['NN', 'JJ']	
learn	relationships	: ['NNS']	evolving : ['VBG']	
behaviour         : ['NN']         explore         : ['VP']           objects         : ['NNP', 'JJ']         operating         : ['NN']           cyber-physical         : ['NNP', 'JJ']         separation         : ['NNP', 'JJ']           safer         : ['JJR']         invented         : ['VBN']           implicit         : ['JJ']         change         : ['VBP', 'VB', 'NN']           great         : ['JJ']         healthy         : ['JJ']           involved         : ['VBN']         study         : ['NN', 'VB', 'NNP']           changed         : ['VBN']         study         : ['NN', 'VB', 'NNP']           changed         : ['VBN']         sexperience         : ['NN']           action         : ['NN']         social         : ['NNP', 'JJ']           action         : ['NN']         social         : ['NNP', 'JJ']           action         : ['NN']         social         : ['NNP', 'JJ']           tasks         : ['NN']         navigation         : ['NN']           tasks         : ['NN']         love         : ['NN']           scales         : ['NN']         social         : ['NN']           scales         : ['NN']         texts         : ['NN']           scle	exchange	: ['NN']	human : ['JJ', 'NNP', 'NN']	
objects         : ['NNF']         operating         : ['NN']           cyber-physical         : ['NNF']         separation         : ['NNP']           others         : ['JJT]         active         : ['NNP', 'JJ']           safer         : ['JJT]         invented         : ['VBF, 'NNT]           implicit         : ['JJ]         change         : ['VBF, 'NNT]           great         : ['JJ]         healthy         : ['JI]           involved         : ['VBN]         study         : ['NNT, 'NF']           changed         : ['VBN']         study         : ['NNT, 'NF', 'NNF']           changed         : ['NNT]         social         : ['NNF']           action         : ['NNT]         social         : ['NNF']           action         : ['NNT]         social         : ['NNF']           action         : ['NNT]         navigation         : ['NNF]           action         : ['NNS]         love         : ['NNT]           separated         : ['NNS]         love         : ['NNT]           separated         : ['NS]         texts         : ['NNF]           separated         : ['NNT]         therefore         : ['NNF]           separated         : ['NBC]	learn	: ['VB']	understanding : ['NN', 'VBG']	
cyber-physical         : ['NNP', 'JJ']         separation         : ['NNP', 'JJ']           others         : ['JJR']         active         : ['NNP', 'JJ']           safer         : ['JJI']         invented         : ['VBN', 'NNP']           implicit         : ['JJ']         change         : ['VBP', 'NNP']           great         : ['VBN']         study         : ['NNP', 'NNP']           involved         : ['VBN']         experience         : ['NNP']           changed         : ['NN']         experience         : ['NNP', 'JJ']           natureq         : ['NN']         social         : ['NNP', 'JJ']           action         : ['NN']         navigation         : ['NNP', 'JJ']           tasks         : ['NNS']         love         : ['NN']           tasks         : ['NNS']         classification         : ['NN']           scales         : ['NNS']         classification         : ['NNS']           sclect         : ['WB', 'NN', 'VBP']         texts         : ['NNS']           select         : ['WB', 'NN', 'VBP']         i.e.         : ['NN']           scope         : ['NN']         consumption         : ['NN']           two         : ['Ob']         by         : ['NB', 'NP', 'VBP']	behaviour		explore : ['VB']	
others         : ['NNS']         active         : ['NNP', 'JJ']           safer         : ['JJR']         invented         : ['VBN']           implicit         : ['JJ']         change         : ['VBN']           great         : ['VBN']         healthy         : ['JJ']           involved         : ['VBN']         study         : ['NN']           changed         : ['VBN']         experience         : ['NN']           natureq         : ['NN']         social         : ['NNP', 'JJ']           action         : ['NN']         conveniently         : ['NB']           suitable         : ['JJ']         navigation         : ['NN']           suitable         : ['NNS']         love         : ['NN']           sple         : ['NNS']         navigation         : ['NN']           scales         : ['NNS']         classification         : ['NN']           spychological         : ['JJ']         texts         : ['NNS']           total         : ['JJ']         texts         : ['NNS']           select         : ['VB']         invertical         : ['NN']           use         : ['VB', 'NN', 'VBP']         i.e.         : ['FW']           two         : ['NN'] <t< td=""><td>objects</td><td>: ['NNS']</td><td>operating : ['NN']</td><td></td></t<>	objects	: ['NNS']	operating : ['NN']	
safer         : ['JJt]'         invented         : ['VBP', 'NN']'           implicit         : ['JJ']         change         : ['VBP', 'VB', 'NN']'           great         : ['JJT]         healthy         : ['JN']           involved         : ['VBN']         study         : ['NN']           changed         : ['VBN']         experience         : ['NN']           natureq         : ['NN']         social         : ['NNP', 'JJ']           action         : ['NN']         conveniently         : ['VB']           suitable         : ['NS']         navigation         : ['NN']           tasks         : ['NNS']         love         : ['NN']           saple         : ['NNS']         love         : ['NN']           scales         : ['NNS']         manage         : ['NNS']           total         : ['JJ']         total         : ['NNS']           total         : ['JJ']         total         : ['NNS']           total         : ['JJ']         total         : ['NNS']           select         : ['VB', 'NN', 'VBP']         i.e.         : ['NNS']           tuse         : ['VB', 'NN', 'VBP']         e.g.         : ['NN']           two         : ['NN']         to	cyber-physical	: ['NNP', 'JJ']	separation : ['NN']	
implicit         : ['JJ']         change         : ['VBP', 'NN']           great         : ['JJ']         healthy         : ['JJ']           involved         : ['VBN']         study         : ['NN', 'VB', 'NNP']           changed         : ['VBN']         experience         : ['NN']           natureq         : ['NN']         social         : ['NNP', 'JJ']           action         : ['NN']         conveniently         : ['VB']           suitable         : ['JJ']         navigation         : ['NN']           tasks         : ['NNS']         love         : ['NN']           apple         : ['NN']         classification         : ['NN']           scales         : ['NNS']         manage         : ['VB']           spychological         : ['JJ']         tools         : ['NNS']           select         : ['UJ']         tools         : ['NNS']           select         : ['VB']         languages         : ['NNS']           use         : ['VB', 'NN', 'VBP']         e.g.         : ['RB']           two         : ['CD']         by         : ['IN']           scenarios         : ['NN']         tools         : ['NN']           taken         : ['VBG'] <th< td=""><td>others</td><td>: ['NNS']</td><td>active : ['NNP', 'JJ']</td><td></td></th<>	others	: ['NNS']	active : ['NNP', 'JJ']	
grat         : ['JJ']         healthy         : ['JJ']           involved         : ['VEN']         study         : ['NN', 'VB', 'NNP']           changed         : ['VNN']         experience         : ['NN']           natureq         : ['NN']         social         : ['NNP', 'JJ']           action         : ['NN']         conveniently         : ['VB']           suitable         : ['JJ']         navigation         : ['NN']           tasks         : ['NNS']         love         : ['NN']           sple         : ['NNS']         classification         : ['NN']           scales         : ['NNS']         manage         : ['VB']           sychological         : ['JJ']         texts         : ['NNS']           select         : ['VB', 'NN', 'VBP']         texts         : ['NNS']           select         : ['VB', 'NN', 'VBP']         i.e.         : ['FB']           pcyber-physical         : ['VB', 'NN', 'VBP']         i.e.         : ['FB']           consumption         : ['NN']         contains         : ['VBC']           two         : ['CD']         by         : ['NN']           scenarios         : ['NN']         therefore         : ['NN']           taken	safer	: ['JJR']	invented : ['VBN']	
<pre>Involved : ['VBN']</pre>	implicit	: ['JJ']	change : ['VBP', 'VB', 'NN']	
changed : ['VBN'] experience : ['NN'] natureq : ['NN'] social : ['NNP', 'JJ'] action : ['NN'] conveniently : ['VB'] suitable : ['JJ'] navigation : ['NN'] tasks : ['NNS'] love : ['NN'] scales : ['NNS'] manage : ['NN'] scales : ['NNS'] manage : ['NNS'] total : ['JJ'] tools : ['NNS'] select : ['VB'] languages : ['NNS'] select : ['VB'] i.e. : ['FW'] pcyber-physical : ['JJ'] e.g. : ['FW'] consumption : ['NNS'] e.g. : ['NB', 'NNP', 'NN'] scenarios : ['NNS'] live : ['VBZ'] taken : ['NNS'] scope : ['NNS'] taken : ['VBN'] scope : ['NN'] reflects : ['VBC'] more : ['NN'] reflects : ['VBC'] more : ['JJ', 'RBR'] separated : ['VBN'] unhealthy : ['JJ', 'RBR'] flying : ['VBG'] setting : ['VBG']	great	: ['JJ']	healthy : ['JJ']	
natureq         : ['NN']         social         : ['NNP', 'JJ']           action         : ['NN']         conveniently         : ['VB']           suitable         : ['JJ']         navigation         : ['NN']           tasks         : ['NNS']         love         : ['NN']           apple         : ['NNS']         classification         : ['NN']           scales         : ['NNS']         manage         : ['WB']           psychological         : ['JJ']         texts         : ['NNS']           total         : ['JJ']         tools         : ['NNS']           select         : ['VB']         languages         : ['NNS']           use         : ['VB', 'NN', 'VBP']         i.e.         : ['FW']           pcyber-physical         : ['NN']         e.g.         : ['YB', 'NNP', 'NN']           consumption         : ['NN']         e.g.         : ['YBC', 'NNP', 'NN']           scenarios         : ['NNS']         by         : ['NN']           scenarios         : ['NNS']         therefore         : ['NB']           taken         : ['VBC']         type         : ['NN']           analysing         : ['VBC']         more         : ['JJJ', 'RBR']           separated	involved	: ['VBN']	study : ['NN', 'VB', 'NNP']	
action : ['NN'] conveniently : ['VB'] suitable : ['JJ'] navigation : ['NN'] tasks : ['NNS'] love : ['NN'] spple : ['NN'] classification : ['NN'] scales : ['NNS'] manage : ['VB'] psychological : ['JJ'] texts : ['NNS'] total : ['JJ'] tools : ['NNS'] select : ['VB'] languages : ['NNS'] select : ['VB'] e.g. : ['FN'] pcyber-physical : ['JJ'] e.g. : ['FN'] consumption : ['NN'] contains : ['VBZ'] two : ['CD'] by : ['IN'] scenarios : ['NNS'] live : ['VBC'] taken : ['VNN'] scope : ['NN'] analysing : ['VBG'] type : ['NN'] reflects : ['VBG'] more : ['JJT', 'RBR'] separated : ['VBN'] getting : ['VBG']	changed	: ['VBN']	experience : ['NN']	
suitable         : ['JJ']         navigation         : ['NN']           tasks         : ['NNS']         love         : ['NN']           apple         : ['NNS']         classification         : ['NN']           scales         : ['NNS']         manage         : ['VB']           psychological         : ['JJ']         texts         : ['NNS']           total         : ['VB']         tools         : ['NNS']           select         : ['VB']         languages         : ['NNS']           use         : ['VB', 'NN', 'VBP']         i.e.         : ['FW']           pcyber-physical         : ['JJ']         e.g.         : ['RB', 'NNP', 'NN']           consumption         : ['NN']         e.g.         : ['YB', 'NNP', 'NN']           two         : ['CD']         by         : ['IN']           scenarios         : ['NNS']         live         : ['YB', 'JJ', 'VBP']           program         : ['NN']         therefore         : ['NN']           taken         : ['VBB']         type         : ['NN']           analysing         : ['VBG']         type         : ['NN']           separated         : ['VBG']         unhealthy         : ['JJ']           flying         : ['VBG']	natureq	: ['NN']	social : ['NNP', 'JJ']	
tasks : ['NNS']   love   : ['NN']   apple   : ['NN']   classification   : ['NN']   scales   : ['NNS']   manage   : ['VB']	action	: ['NN']	conveniently : ['VB']	
apple : ['NN']	suitable	: ['JJ']	navigation : ['NN']	
scales       : ['NNS']       manage       : ['VB']         psychological       : ['JJ']       texts       : ['NNS']         total       : ['JJ']       tools       : ['NNS']         select       : ['VB']       languages       : ['FW']         use       : ['VB', 'NN', 'VBP']       i.e.       : ['FW']         pcyber-physical       : ['JJ']       e.g.       : ['RB', 'NNP', 'NN']         consumption       : ['NN]       contains       : ['VBZ']         two       : ['CD']       by       : ['IN]         scenarios       : ['NNS']       live       : ['VB, 'JJ', 'VBP']         program       : ['NN']       therefore       : ['RB', 'NN']         taken       : ['VBN']       scope       : ['NN']         analysing       : ['VBG']       type       : ['NN']         reflects       : ['VBZ']       more       : ['JJR', 'RBR']         separated       : ['VBB']       unhealthy       : ['JJ']         flying       : ['VBG']       getting       : ['VBG']	tasks	: ['NNS']	love : ['NN']	
psychological : ['JJ']	apple	: ['NN']	classification : ['NN']	
total : ['JJ']				
select : ['VB'] languages : ['NNS'] use : ['VB', 'NN', 'VBP'] i.e. : ['FW'] pcyber-physical : ['JJ'] e.g. : ['RB', 'NNP', 'NN'] consumption : ['NN'] contains : ['VBZ'] two : ['CD'] by : ['IN'] scenarios : ['NNS'] live : ['VB', 'JJ', 'VBP'] program : ['NN'] therefore : ['RB'] taken : ['VBN'] scope : ['NN'] reflects : ['VBG'] more : ['JJR', 'RBR'] separated : ['VBN'] unhealthy : ['JJ'] flying : ['VBG'] getting : ['VBG']				
use       : ['VB', 'NN', 'VBP']       i.e.       : ['FW']         pcyber-physical       : ['JJ']       e.g.       : ['RB', 'NNP', 'NN']         consumption       : ['NN']       contains       : ['VBZ']         two       : ['CD']       by       : ['IN']         scenarios       : ['NNS']       live       : ['VB', 'JJ', 'VBP']         program       : ['NN']       therefore       : ['RB']         taken       : ['VBN']       scope       : ['NN']         analysing       : ['VBG']       type       : ['NN']         reflects       : ['VBZ']       more       : ['JJR', 'RBR']         separated       : ['VBN']       unhealthy       : ['JJ']         flying       : ['VBG']       getting       : ['VBG']		: ['JJ']		
pcyber-physical       : ['JJ']       e.g.       : ['RB', 'NNP', 'NN']         consumption       : ['NN']       contains       : ['VBZ']         two       : ['CD']       by       : ['IN']         scenarios       : ['NNS']       live       : ['VB', 'JJ', 'VBP']         program       : ['NN']       therefore       : ['RB']         taken       : ['VBN']       scope       : ['NN']         analysing       : ['VBG']       type       : ['NN']         reflects       : ['VBZ']       more       : ['JJR', 'RBR']         separated       : ['VBG']       unhealthy       : ['JJ']         flying       : ['VBG']       getting       : ['VBG']	select	: ['VB']	languages : ['NNS']	
<pre>consumption : ['NN']</pre>			i.e. : ['FW']	
two : ['CD'] by : ['IN'] scenarios : ['NNS'] live : ['VB', 'JJ', 'VBP'] program : ['NN'] therefore : ['RB'] taken : ['VBN'] scope : ['NN'] analysing : ['VBG'] type : ['NN'] reflects : ['VBZ'] more : ['JJR', 'RBR'] separated : ['VBN'] unhealthy : ['JJ'] flying : ['VBG'] getting : ['VBG']				
scenarios : ['NNS'] live : ['VB', 'JJ', 'VBP']  program : ['NN'] therefore : ['RB']  taken : ['VBN'] scope : ['NN']  analysing : ['VBG'] type : ['NN']  reflects : ['VBZ'] more : ['JJR', 'RBR']  separated : ['VBN'] unhealthy : ['JJ']  flying : ['VBG'] getting : ['VBG']	consumption			
program : ['NN'] therefore : ['RB'] taken : ['VBN'] scope : ['NN'] analysing : ['VBG'] type : ['NN'] reflects : ['VBZ'] more : ['JJR', 'RBR'] separated : ['VBN'] unhealthy : ['JJ'] flying : ['VBG']				
taken : ['VBN'] scope : ['NN'] analysing : ['VBG'] type : ['NN'] reflects : ['VBZ'] more : ['JJR', 'RBR'] separated : ['VBN'] unhealthy : ['JJ'] flying : ['VBG'] getting : ['VBG']	scenarios			
analysing : ['VBG'] type : ['NN'] reflects : ['VBZ'] more : ['JJR', 'RBR'] separated : ['VBN'] unhealthy : ['JJ'] flying : ['VBG'] getting : ['VBG']				
reflects : ['VBZ'] more : ['JJR', 'RBR'] separated : ['VBN'] unhealthy : ['JJ'] flying : ['VBG'] getting : ['VBG']				
separated : ['VBN'] unhealthy : ['JJ'] flying : ['VBG'] getting : ['VBG']				
flying : ['VBG'] getting : ['VBG']		: ['VBZ']		
about : ['IN'] aware : ['JJ']				
equipments : ['NNS'] real-time : ['NNP', 'VB', 'JJ']				
cases : ['NNS'] hold : ['VB']				
virtually : ['RB'] evolves : ['VBZ']	virtually	: ['RB']	evolves : ['VBZ']	

account : ['NN']	T. II II.D_T\program\Lcmpse\oL	_relation(vvirequence(vvF1 10000.txt			2010
work         : ['MS']         pmachines         : ['MS']           diverse         : ['Jol']         harmonious         : ['MD', 'JJ']           values         : ['NNS']         can         : ['MD', 'JJ']           evolved         : ['NNS']         can         : ['MD', 'JJ']           following         : ['NNS']         sellowing         : ['NNS']           example         : ['NN']         instancy         : ['NN']           control         : ['NN', 'WBP']         challenging         : ['WB']           control         : ['NN']         challenging         : ['NN']           sense         : ['WB']         challenging         : ['NN']	account	: ['NN']	this	: ['DT']	
diverse         : ['JJ']         harmonious         : ['MD', 'JJ']           evolved         : ['NNS']         can         : ['MD', 'JJ']           evolved         : ['VBF, 'JJ', 'NN']         concepts         : ['NNS']           following         : ['VBF, 'JJ', 'NN']         making         : ['NNS']           example         : ['NN, 'VBF]         challenging         : ['VNS']           links         : ['VNS', 'VBF, 'NN']         process         : ['VBF, 'NN']           originates         : ['VBF, 'NN']         challenging         : ['VBF, 'NN']	self-organize	: ['VB', 'NN']	challenge	: ['NN']	
values : ['NB'] can : ['MD', 'JJ'] following : ['VBC', 'JJ', 'NN'] making : ['VBC'] following : ['VBC', 'JJ', 'NN'] making : ['VBC'] control : ['NN', 'VEP'] challenging : ['VBC'] control : ['NN', 'VEP'] challenging : ['VBC'] control : ['NN', 'VEP', 'NN'] process : ['VBC'] expanding control : ['VBC'] preserving : ['NNY'] expanding control : ['VBC'] preserving : ['NNY'] expanding control : ['VBC'] indicates : ['VBC'] sanse : ['VBC', 'NN'] destination : ['NNY', 'NNP'] control : ['VBC'] indicates : ['VBC'] sanse : ['VBC', 'NN'] destination : ['NNY', 'NNP'] control : ['NNY'] provide : ['NNY', 'NNP'] control : ['NNY'] provide : ['NNY', 'NNP'] control : ['NNY'] provide : ['NNY', 'NNP'] control : ['WB'] provide : ['WB'] control : ['WB'] provide : ['WB'	work	: ['VB', 'NN']	pmachines	: ['NNS']	
avoived         : ['WBG', 'JJ', 'NN']         making         : ['NSG']           control         : ['NN']         history         : ['NN', 'VB']           control         : ['NN', 'VBP']         challenging         : ['YSG']           links         : ['NNS', 'VBE', 'NNP']         process         : ['VB', 'NN]           cexpanding         : ['YSG']         process         : ['YSC']           originates         : ['WB', 'NN']         destination         : ['NN']           times         : ['NS']         destination         : ['NN']           times         : ['NS']         information         : ['NN']           worldview         : ['NN']         provide         : ['NN']           worldview         : ['NN']         provide         : ['NN']           bods         : ['NN']         provide         : ['NN']           worldview         : ['NN']         provide         : ['NN']           bods         : [	diverse	: ['JJ']	harmonious	: ['JJ']	
	values	: ['NNS']	can	: ['MD', 'JJ']	
Example   Control   Cont	evolved	: ['VBN']	concepts	: ['NNS']	
Control   Cantrol   Cant	following	: ['VBG', 'JJ', 'NN']	making	: ['VBG']	
links         : ['NNE'], 'NS2'], 'NNF']         proces         : ['VPC']           expanding         : ['VBC']         preserving         : ['NNF']           originates         : ['VBC']         indicates         : ['NNF']           times         : ['NNF']         destination         : ['NNF']           times         : ['NNS']         information         : ['NNF']           worldview         : ['NNF']         provide         : ['VP']           holds         : ['VB2']         cross-space         : ['VP', 'JJ']           how         : ['NRB']         methodology         : ['NNF', 'VB', 'NNF']           unites         : ['VB2']         answer         : ['VP', 'NNF']           influences         : ['VB2']         answer         : ['VB', 'NNF']           optimal         : ['NJ']         answer         : ['VB']           optimal         : ['NJ']         half-century         : ['NS']           optimal         : ['NJ']         half-century         : ['NNS']	example	: ['NN']	history	: ['NN', 'VB']	
expanding         : ['VB2']         preserving         : ['NN2']           originates         : ['VB2']         indicates         : ['VB2']           sense         : ['VB2']         indicates         : ['NN2']           sense         : ['NN2']         requirements         : ['NNY']           needs         : ['VB2']         requirements         : ['NNS']           how         : ['WB2']         cross-space         : ['VB']           bods         : ['WB2']         methodology         : ['NN', 'NNP']           unites         : ['WB2']         answer         : ['WB']           influences         : ['WB2']         answer         : ['WB']           optimal         : ['JJ']         inteligent         : ['JJ']           economy         : ['NN']         half-century         : [NNS']           economy         : ['NN']         half-century         : [NNS']           abstraction         : ['NN']         huge         : ['JJ']           abstraction         : ['NN']         huge         : ['JJ']           asterior         : ['NN']         maya         : ['NN']           after         : ['NN']         mapping         : ['NN']           questioning         : ['VBB']	control	: ['NN', 'VBP']	challenging	: ['VBG']	
criginates   ['VEZ']   indicates   ['VEZ']     times   : ['VEZ']   information   : ['NN']     times   : ['NNS']   information   : ['NN']     worldview   : ['VEZ']   provide   : ['VEZ']     worldview   : ['NNS']   provide   : ['VEZ']     holds   : ['VEZ']   provide   : ['VEZ']     how   : ['NBE']   methodology   : ['NN', 'VBT']     times   : ['VEZ']   behave   : ['VEZ']     influences   : ['VEZ']   behave   : ['VEZ']     influences   : ['VEZ']   answer   : ['VEZ']     influences   : ['VEZ']   answer   : ['VEZ']     conomy   : ['NN']   buildings   : ['NNS']     description   : ['NN']   buildings   : ['NN']     abstraction   : ['NN']   buildings   : ['NN']     after   : ['NN']   mapping   : ['NB']     after   : ['NB']   mapping   : ['NB']     after   : ['NB']   explored   : ['VB]     panoramic   : ['VEX']   mapping   : ['NB']     such   : ['JJ']   meaningful   : ['JJ']     such   : ['JJ']   meaningful   : ['NN', 'VBP']     such   : ['JJ']   communities   : ['NNS']     third   : ['JJ']   communities   : ['NNS']     third   : ['JJ']   separations   : ['NNS']     super-links   : ['NS', 'JJ']   rather   : ['RB']     fundamental   : ['VEJ']   operations   : ['NNS']     developed   : ['VEN']   operations   : ['VEN']     developed	links	: ['NNS', 'VBZ', 'NNP']	process	: ['VB', 'NN']	
sense         : ['VP,' 'NN']         destination         : ['NN']           needs         : ['VEZ']         requirements         : ['NNS']           worldview         : ['VEZ']         requirements         : ['NNS']           holds         : ['VEZ']         cross-space         : ['VS', 'JJ']           how         : ['WEZ']         methodology         : ['NN', 'VE', 'NNP']           unites         : ['VEZ']         answer         : ['VE']           influences         : ['VEZ']         answer         : ['VE']           optimal         : ['JJ']         intelligent         : ['JJ']           economy         : ['NN']         half-century         : ['NNS']           economy         : ['NN']         half-century         : ['NNS']           abstraction         : ['NN']         huge         : ['JJ']           abstraction         : ['NN']         huge         : ['JJ']           may         : ['MD']         m?a         : ['NN']           description         : ['NN']         malf         : ['VB']           questioning         : ['WBG']         reflect         : ['WB']           questioning         : ['WBG']         reflect         : ['WB']           type         <	expanding	: ['VBG']	preserving	: ['NNP']	
times : ['NNS']	originates	: ['VBZ']	indicates	: ['VBZ']	
needs         : ['VE2']         requirements         : ['NNS']           worldview         : ['NB']         cross-space         : ['VB', 'JJ']           holds         : ['VBB']         methodology         : ['NN, 'VB', 'NNF']           unites         : ['VBZ']         behave         : ['VB']           unites         : ['VBZ']         answer         : ['VB']           influences         : ['VBZ']         answer         : ['VB']           optimal         : ['JJ']         intelligent         : ['JJ']           economy         : ['NN']         half-century         : ['NNS']           economy         : ['NN']         half-century         : ['NNS']           abstraction         : ['NN']         huldidings         : ['NNS']           abstraction         : ['NN']         hugetion         : ['NN']           description         : ['NN']         hugetion         : ['NN']           after         : ['MD']         m?a         : ['NN']           after         : ['ND']         m?a         : ['NN']           paoramic         : ['YBC']         explored         : ['VB']           super         : ['NN']         meaningful         : ['NN']           types         : ['N	sense	: ['VB', 'NN']	destination	: ['NN']	
worldview         : ['NN']         provide         : ['VB']           holds         : ['VBZ']         cross-space         : ['VB', 'JJ']           how         : ['WBB']         methodology         : ['NN', 'VB', 'NNP']           unites         : ['VBZ']         methodology         : ['NN', 'VB', 'NNP']           influences         : ['VBZ']         answer         : ['VB']           optimal         : ['UJ']         answer         : ['VB']           optimal         : ['UJ']         intelligent         : ['US']           co-evolve         : ['NN']         half-century         : ['NNS']           co-evolve         : ['NN']         buildings         : ['NNS']           destraction         : ['NN']         huge         : ['UJ']           destriction         : ['NN']         huge         : ['UJ']           after         : ['NN']         mapping         : ['WB']           questioning         : ['WB']         reflect         : ['WB']           panoramic         : ['JJ']         explored         : ['WB']           designed         : ['WB']         multiplication         : ['WB']           such         : ['JJ']         meaningful         : ['JJ']           types	times	: ['NNS']	information	: ['NN', 'NNP']	
holds         : ['WEZ']         cross-space         : ['WE, 'JJ']           how         : ['WEZ']         methodology         : ['WE']           unites         : ['VEZ']         behave         : ['WE']           influences         : ['WEZ']         answer         : ['WE]           optimal         : ['JJ']         intelligent         : ['JJ']           economy         : ['NN']         half-century         : ['NNS']           econowle         : ['WB']         ballaf-century         : ['NNS']           abstraction         : ['NN']         half-century         : ['NNS']           abstraction         : ['NN']         ubiquitous         : ['JJ']           description         : ['NN']         multiquitous         : ['JJ']           may         : ['MD']         m?a         : ['NN']           after         : ['MD']         m?a         : ['NN']           questioning         : ['VBG']         reflect         : ['WB']           questioning         : ['WB']         multiplication         : ['NN']           designed         : ['WB']         multiplication         : ['NN']           types         : ['NNS']         meaningful         : ['JJ']           types         <	needs	: ['VBZ']	requirements	: ['NNS']	
bow         : ['WRE']         methodology         : ['NN', 'VE', 'NNP']           unites         : ['VEZ']         behave         : ['VB']           influences         : ['VEZ']         answer         : ['VB']           optimal         : ['JJ']         intelligent         : ['JJ']           conomy         : ['NN']         half-century         : ['NS']           co-evolve         : ['VB']         buildings         : ['NS']           description         : ['NN']         buildings         : ['JJ']           description         : ['MD']         m?a         : ['JJ']           may         : ['MD']         m?a         : ['NN']           description         : ['MD']         m?a         : ['VBG']           questioning         : ['MD']         m?a         : ['NB']           questioning         : ['VBC']         explored         : ['VBG']           questioning         : ['VBC']         explored         : ['VBC']           designed         : ['VBT']         explored         : ['VBC']           designed         : ['VBT']         multiplication         : ['NN', 'VBP']           types         : ['NNS']         multiplication         : ['NN', 'VBP']           types	worldview	: ['NN']	provide	: ['VB']	
unites         : ['VBZ']         behave         : ['VB']           influences         : ['VBZ']         answer         : ['VB']           optimal         : ['JJ']         intelligent         : ['VB']           economy         : ['NN']         half-century         : ['NNs']           eco-evolve         : ['WB']         buildings         : ['NNs']           abstraction         : ['NN']         ubiquitous         : ['JJ']           description         : ['NN']         huge         : ['JJ']           may         : ['ND']         m?a         : ['NN']           after         : ['NN']         mapping         : ['VBC']           questioning         : ['VBG']         reflect         : ['VB']           panoramic         : ['JJ']         explored         : ['VBR']           designed         : ['JJ']         meaningful         : ['JJ']           such         : ['JJ']         meaningful         : ['JJ']           types         : ['NS']         short         : ['JJ']           natural         : ['JJ']         locates         : ['VBE']           third         : ['JJ']         communities         : ['NNS']           ilight         : ['JJ']         separat	holds	: ['VBZ']	cross-space	: ['VB', 'JJ']	
influences         : ['VBZ']         answer         : [VB']           optimal         : ['JJ']         intelligent         : ['JJ']           economy         : ['NN']         half-century         : ['NNs']           co-evolve         : ['WB']         buildings         : ['NNs']           abstraction         : ['NN']         buildings         : ['NNs']           description         : ['NN']         huge         : ['JJ']           description         : ['NN']         map         : ['NN']           after         : ['ND']         map         : ['NN']           after         : ['WB']         mapping         : ['VBG']           questioning         : ['VBG']         reflect         : ['VB']           questioning         : ['VBG']         reflect         : ['VB']           designed         : ['VBI']         explored         : ['VBF']           designed         : ['UN']         multiplication         : ['NN']           types         : ['NNS']         multiplication         : ['NN']           types         : ['NS']         short         : ['JJ']           types         : ['NS']         short         : ['JJ']           third         : ['NJ']	how	: ['WRB']	methodology	: ['NN', 'VB', 'NNP']	
optimal         : ['JJ']         intelligent         : ['JJ']           economy         : ['NN']         half-century         : ['NNs']           co-evolve         : ['VB']         buildings         : ['NNs']           abstraction         : ['NN']         ubiquitous         : ['JJ']           description         : ['NN']         huge         : ['JJ']           may         : ['MD']         m2         : ['NN']           after         : ['IN']         mapping         : ['VBG']           questioning         : ['VBG']         reflect         : ['VB']           panoramic         : ['JJ']         explored         : ['VBN']           designed         : ['VBN']         multiplication         : ['NN']           such         : ['JJ']         meaningful         : ['JJ']           such         : ['JJ']         meaningful         : ['NNS']           such         : ['VBZ']         short         : ['NNS']           changes         : ['VBZ']         short         : ['NNS']           ratural         : ['JJ']         communities         : ['NNS']           light         : ['JJ']         separations         : ['NNS']           super-links         : ['NNS']	unites	: ['VBZ']	behave	: ['VB']	
Concoming   Concord   Co	influences	: ['VBZ']	answer	: ['VB']	
co-evolve         : ['VB']         buildings         : ['NNS']           abstraction         : ['NN']         ubiquitous         : ['JJ']           description         : ['NN']         huge         : ['JJ']           may         : ['Mb']         m?a         : ['NN']           after         : ['YBG']         mapping         : ['VBG']           questioning         : ['VBG']         reflect         : ['VB']           panoramic         : ['JJ']         explored         : ['VBN']           designed         : ['VBN']         multiplication         : ['NN', 'VBF']           such         : ['JJ']         maningful         : ['JJ']           types         : ['NNS']         efficiently         : ['NNS']           changes         : ['VBZ']         short         : ['JJ']           natural         : ['JJ']         locates         : ['VBZ']           third         : ['JJ']         communities         : ['NNS']           light         : ['JJ']         separations         : ['NNS']           super-links         : ['NNS', 'JJ']         rather         : ['RB']           maintain         : ['VB']         so         : ['IN']           operate         : ['VBB']	optimal	: ['JJ']	intelligent	: ['JJ']	
abstraction : ['NN']	economy	: ['NN']	half-century	: ['NNS']	
description         : ['NN']         huge         : ['JJ']           may         : ['NN']         m7a         : ['NN']           after         : ['IN']         mapping         : ['VBG']           questioning         : ['VBG']         reflect         : ['VB']           panoramic         : ['JJ']         explored         : ['VBN']           designed         : ['VBB']         multiplication         : ['NN', 'VBP']           such         : ['JJ']         meaningful         : ['JJ']           types         : ['NNS']         efficiently         : ['NS']           changes         : ['VBZ']         short         : ['JJ']           natural         : ['JJ']         locates         : ['VBZ']           natural         : ['JJ']         communities         : ['NNS']           super-links         : ['NNS', 'JJ']         rather         : ['NS']           super-links         : ['NNS', 'JJ']         rather         : ['PB', 'RB']           maintain         : ['VB']         so         : ['NNS']           operate         : ['VBF', 'VB']         retrieval         : ['NN']           developed         : ['VB', 'VB']         operations         : ['NN']           developed	co-evolve	: ['VB']	buildings	: ['NNS']	
may         : ['MD']         m?a         : ['NN']           after         : ['IN]         mapping         : ['VBG']           questioning         : ['VBG']         reflect         : ['WB']           panoramic         : ['JJ']         explored         : ['VBN']           designed         : ['VBN']         multiplication         : ['NN', 'VBP']           such         : ['JJ']         meaningful         : ['JJ']           types         : ['NNS']         efficiently         : ['NNS']           changes         : ['VBZ']         short         : ['JJ']           natural         : ['JJ']         communities         : ['NNS']           third         : ['JJ']         communities         : ['NNS']           super-links         : ['NNS', 'JJ']         rather         : ['NNS']           super-links         : ['NNS', 'JJ']         rather         : ['NR']           maintain         : ['VB']         so         : ['NNS']           operate         : ['VB']         keeps         : ['NNS']           operate         : ['VB', 'VB']         retrieval         : ['NNS']           developed         : ['VB']         operations         : ['NN']           developed         : [	abstraction	: ['NN']	ubiquitous	: ['JJ']	
after         : ['IN']         mapping         : ['VBG']           questioning         : ['VBG']         reflect         : ['VB']           panoramic         : ['JJ']         explored         : ['VBN']           designed         : ['VBN']         multiplication         : ['NN', 'VBP']           such         : ['JJ']         meaningful         : ['JJ']           types         : ['NNS']         efficiently         : ['NNS']           changes         : ['VBZ']         short         : ['JJ']           natural         : ['JJ']         locates         : ['VBZ']           third         : ['JJ']         communities         : ['NNS']           light         : ['JJ']         communities         : ['NNS']           light         : ['JJ']         communities         : ['NNS']           super-links         : ['JJ']         communities         : ['NNS']           super-links         : ['NNS']         separations         : ['NNS']           fundamental         : ['YB]'         so         : ['IN']'           fundamental         : ['YB']         keeps         : ['NNS']           poperate         : ['VB']         operations         : ['NNS']           developed	description	: ['NN']	huge	: ['JJ']	
questioning         : ['VBG']         reflect         : ['VB']           panoramic         : ['JJ']         explored         : ['VBN']           designed         : ['VBN']         multiplication         : ['NN', 'VBP']           such         : ['JJ']         meaningful         : ['JJ']           types         : ['NNS']         efficiently         : ['NNS']           changes         : ['VBZ']         short         : ['JJ']           natural         : ['JJ']         locates         : ['VBZ']           third         : ['JJ']         communities         : ['NNS']           light         : ['JJ']         separations         : ['NNS']           super-links         : ['NNS']         saparations         : ['NNS']           maintain         : ['VB']         rather         : ['RB']           maintain         : ['VB']         keeps         : ['INS']           fuparate         : ['VB']         keeps         : ['NBC']           operate         : ['VBP', 'VB']         retrieval         : ['NNS']           help         : ['VB']         office         : ['NNS']           developed         : ['VBB']         displayed         : ['VBN']           symbols         : ['	may	: ['MD']	m?a	: ['NN']	
panoramic         : ['JJ']         explored         : ['VBN']           designed         : ['VBN']         multiplication         : ['NN', 'VBP']           such         : ['JJ']         meaningful         : ['JJ']           types         : ['NNS']         efficiently         : ['NNS']           changes         : ['VBZ']         short         : ['JJ']           natural         : ['JJ']         locates         : ['VBZ']           third         : ['JJ']         communities         : ['NNS']           light         : ['JJ']         separations         : ['NNS']           super-links         : ['NNS', 'JJ']         rather         : ['RB']           maintain         : ['VB']         so         : ['TN', 'RB']           fundamental         : ['YB']         keeps         : ['VBZ']           operate         : ['VBP', 'VB']         retrieval         : ['NNS']           help         : ['VB']         operations         : ['NNS']           developed         : ['VBB']         displayed         : ['VBN']           symbols         : ['NNS']         mathematicians         : ['NNS']           designeros         : ['JJ']         including         : ['VBG']           existence<	after	: ['IN']	mapping	: ['VBG']	
designed         : ['VBN']         multiplication         : ['NN', 'VBP']           such         : ['JJ']         meaningful         : ['JJ']           types         : ['NNS']         efficiently         : ['NNS']           changes         : ['VBZ']         short         : ['JJ']           natural         : ['JJ']         locates         : ['VBZ']           third         : ['JJ']         communities         : ['NNS']           light         : ['JJ']         separations         : ['NNS']           super-links         : ['NNS', 'JJ']         rather         : ['RB']           maintain         : ['WB']         so         : ['INN']           fundamental         : ['YB']         keeps         : ['VBZ']           operate         : ['WBP', 'VB']         retrieval         : ['NNS']           typical         : ['JJ']         operations         : ['NNS']           developed         : ['VB']         office         : ['NN']           developed         : ['VB']         displayed         : ['VBN']           symbols         : ['NNS']         mathematicians         : ['NNS']           designeros         : ['JJ']         documents         : ['NNS']           existence	questioning	: ['VBG']	reflect	: ['VB']	
such : ['JJ'] meaningful : ['JJ'] types : ['NNS'] efficiently : ['NNS'] changes : ['VBZ'] short : ['JJ'] natural : ['JJ'] locates : ['VBZ'] third : ['JJ'] communities : ['NNS'] super-links : ['NNS', 'JJ'] rather : ['RB'] super-links : ['NNS', 'JJ'] rather : ['RB'] so : ['INS', 'RB'] super-links : ['YBZ'] third : ['JJ'] separations : ['NNS'] super-links : ['NNS', 'JJ'] rather : ['RB'] so : ['NNS'] super-links : ['YBZ'] so : ['NNS'] super-links : ['NNS	panoramic	: ['JJ']		: ['VBN']	
types : ['NNS'] efficiently : ['NNS'] changes : ['VBZ'] short : ['JJ'] natural : ['JJ'] locates : ['VBZ'] third : ['JJ'] communities : ['NNS'] light : ['JJ'] separations : ['NNS'] super-links : ['NNS', 'JJ'] rather : ['RB'] maintain : ['VB'] so : ['IN', 'RB'] fundamental : ['JJ'] keeps : ['VBZ'] operate : ['VBP', 'VB'] retrieval : ['NNS'] typical : ['JJ'] operations : ['NNS'] help : ['VB'] office : ['NN'] developed : ['VBN'] pointed : ['VBN'] move : ['VB'] displayed : ['VBN'] symbols : ['NNS'] designeros : ['JJ'] documents : ['NNS'] existence : ['NN'] facilitates : ['VBZ']	designed	: ['VBN']	multiplication	: ['NN', 'VBP']	
changes : ['VBZ'] short : ['JJ'] natural : ['JJ'] locates : ['VBZ'] third : ['JJ'] communities : ['NNS'] light : ['JJ'] separations : ['NNS'] super-links : ['NNS', 'JJ'] rather : ['RB'] maintain : ['VB'] so : ['IN', 'RB'] fundamental : ['JJ'] keeps : ['VBZ'] operate : ['VBP', 'VB'] retrieval : ['NN'] typical : ['JJ'] operations : ['NNS'] help : ['VB'] office : ['NN'] developed : ['VBN'] pointed : ['VBN'] move : ['VB'] displayed : ['VBN'] symbols : ['NNS'] designeros : ['JJ'] including : ['VBG'] statistical : ['JJ'] documents : ['NNS'] existence : ['NN']	such	: ['JJ']		: ['JJ']	
natural : ['JJ'] locates : ['VBZ'] third : ['JJ'] communities : ['NNS'] light : ['JJ'] separations : ['NNS'] super-links : ['NNS', 'JJ'] rather : ['RB'] maintain : ['VB'] so : ['IN', 'RB'] fundamental : ['JJ'] keeps : ['VBZ'] operate : ['VBP', 'VB'] retrieval : ['NN'] typical : ['JJ'] operations : ['NNS'] help : ['VB'] office : ['NN'] developed : ['VBN'] pointed : ['VBN'] move : ['VBN'] displayed : ['VBN'] symbols : ['NNS'] mathematicians : ['NNS'] designeros : ['JJ'] documents : ['NNS'] existence : ['NN']	types	: ['NNS']	<b>=</b>	: ['NNS']	
third : ['JJ'] communities : ['NNS'] light : ['JJ'] separations : ['NNS'] super-links : ['NNS', 'JJ'] rather : ['RB'] maintain : ['VB'] so : ['IN', 'RB'] fundamental : ['JJ'] keeps : ['VBZ'] operate : ['VBP', 'VB'] retrieval : ['NN'] typical : ['JJ'] operations : ['NNS'] help : ['VB'] office : ['NN'] developed : ['VBN'] pointed : ['VBN'] move : ['VB'] displayed : ['VBN'] symbols : ['NNS'] designeros : ['JJ'] including : ['VBG'] statistical : ['JJ'] documents : ['NNS'] existence : ['NN']	changes	: ['VBZ']	short		
light : ['JJ'] separations : ['NNS'] super-links : ['NNS', 'JJ'] rather : ['RB'] so : ['IN', 'RB'] fundamental : ['JJ'] so : ['VBZ'] so : ['VBZ'] soperate : ['VBP', 'VB'] retrieval : ['NN'] typical : ['JJ'] operations : ['NNS'] soperations : ['VBN'] soperations : ['NNS'] soperations :	natural		locates		
super-links : ['NNS', 'JJ'] rather : ['RB'] maintain : ['VB'] so : ['IN', 'RB'] fundamental : ['JJ'] keeps : ['VBZ'] operate : ['VBP', 'VB'] retrieval : ['NN'] typical : ['JJ'] operations : ['NNS'] help : ['VB'] office : ['NN'] developed : ['VBN'] pointed : ['VBN'] move : ['VB'] displayed : ['VBN'] symbols : ['NNS'] mathematicians : ['NNS'] designeros : ['JJ'] including : ['VBG'] statistical : ['JJ'] documents : ['NNS'] existence : ['NN']	third	: ['JJ']	communities	: ['NNS']	
maintain : ['VB'] so : ['IN', 'RB']  fundamental : ['JJ'] keeps : ['VBZ']  operate : ['VBP', 'VB'] retrieval : ['NN']  typical : ['JJ'] operations : ['NNS']  help : ['VB'] office : ['NN']  developed : ['VBN'] pointed : ['VBN']  move : ['VB'] displayed : ['VBN']  symbols : ['NNS'] mathematicians : ['NNS']  designeros : ['JJ'] including : ['VBG']  statistical : ['JJ'] documents : ['NNS']  existence : ['NN']	2		<u>=</u>	: ['NNS']	
fundamental: ['JJ']keeps: ['VBZ']operate: ['VBP', 'VB']retrieval: ['NN']typical: ['JJ']operations: ['NNS']help: ['VB']office: ['NN']developed: ['VBN']pointed: ['VBN']move: ['VB']displayed: ['VBN']symbols: ['NNS']mathematicians: ['NNS']designeros: ['JJ']including: ['VBG']statistical: ['JJ']documents: ['NNS']existence: ['NN']facilitates: ['VBZ']	=		rather		
operate : ['VBP', 'VB'] retrieval : ['NN'] typical : ['JJ'] operations : ['NNS'] help : ['VB'] office : ['NN'] developed : ['VBN'] pointed : ['VBN'] move : ['VB'] displayed : ['VBN'] symbols : ['NNS'] mathematicians : ['NNS'] designeros : ['JJ'] including : ['VBG'] statistical : ['JJ'] documents : ['NNS'] existence : ['NN']		: ['VB']	SO	: ['IN', 'RB']	
typical : ['JJ'] operations : ['NNS'] help : ['VB'] office : ['NN'] developed : ['VBN'] pointed : ['VBN'] move : ['VB'] displayed : ['VBN'] symbols : ['NNS'] mathematicians : ['NNS'] designeros : ['JJ'] including : ['VBG'] statistical : ['JJ'] documents : ['NNS'] existence : ['NN']	fundamental		keeps		
help : ['VB'] office : ['NN']  developed : ['VBN'] pointed : ['VBN']  move : ['VB'] displayed : ['VBN']  symbols : ['NNS'] mathematicians : ['NNS']  designeros : ['JJ'] including : ['VBG']  statistical : ['JJ'] documents : ['NNS']  existence : ['NN']	-				
developed: ['VBN']pointed: ['VBN']move: ['VB']displayed: ['VBN']symbols: ['NNS']mathematicians: ['NNS']designeros: ['JJ']including: ['VBG']statistical: ['JJ']documents: ['NNS']existence: ['NN']facilitates: ['VBZ']					
move: ['VB']displayed: ['VBN']symbols: ['NNS']mathematicians: ['NNS']designeros: ['JJ']including: ['VBG']statistical: ['JJ']documents: ['NNS']existence: ['NN']facilitates: ['VBZ']		: ['VB']			
symbols : ['NNS'] mathematicians : ['NNS'] designeros : ['JJ'] including : ['VBG'] statistical : ['JJ'] documents : ['NNS'] existence : ['NN'] facilitates : ['VBZ']	<del>-</del>	: ['VBN']	<del>-</del>	: ['VBN']	
designeros: ['JJ']including: ['VBG']statistical: ['JJ']documents: ['NNS']existence: ['NN']facilitates: ['VBZ']					
statistical : ['JJ'] documents : ['NNS'] existence : ['NN'] facilitates : ['VBZ']		: ['NNS']			
existence : ['NN'] facilitates : ['VBZ']			<del>_</del>		
still : ['RB'] nets : ['NNS']			facilitates		
	still	: ['RB']	nets	: ['NNS']	

T.II II.D_Tiprogramicenpsciol_it	iation(vviiequence(vvri 10000:txt			2010年7月10日 9.42
its	: ['PRP\$']	super-linked	: ['JJ', 'VBN']	
24	: ['CD']	25	: ['CD']	
multi-dimensional	: ['JJ', 'VBZ']	20	: ['CD']	
21	: ['CD']	22	: ['CD']	
23	: ['CD']	personal	: ['JJ']	
temporal	: ['JJ']	actually	: ['RB']	
forms	: ['NNS', 'VBZ']	detected	: ['VBN']	
production	: ['NN']	pervade	: ['VBP']	
systems	: ['NNPS', 'NNS']	bridged	: ['VBN']	
2010	: ['CD']	archival	: ['NN']	
finer	: ['NN']	them	: ['PRP']	
views	: ['NNS']	food	: ['NN']	
material	: ['NN']	evolution	: ['NN']	
introduce	: ['VB']	number	: ['NN']	
break	: ['VB']	effects	: ['NNS']	
they	: ['PRP']	not	: ['RB']	
realize	: ['VB']	easily	: ['RB']	
term	: ['NN']	document	: ['NN']	
mental	: ['JJ']	establishing	: ['VBG']	
capability	: ['NN']	realistic	: ['JJ']	
-lsb-	: ['JJ', 'CD', 'VBG', 'VBZ', 'NNS'	, 'NN', 'NNP', 'VB'	]reasonable : ['JJ']	
each	: ['DT']	locate	: ['VB']	
instructionq	: ['NNS']	constraints	: ['NNS']	
development	: ['NN']	domain	: ['NN']	
schemes	: ['NNS']	financial	: ['JJ']	
significantly	: ['RB']	cyberspace	: ['NN', 'NNP', 'CD', '\$']	
generation	: ['NN']	accessible	: ['JJ']	
energy	: ['NN']	hard	: ['JJ']	
reduce	: ['VB']	principles	: ['NNS']	
society	: ['NNP', 'NN']	intangible	: ['JJ']	
expect	: ['VB']	measure	: ['NN']	
separating	: ['VBG']	commonsense	: ['NNP']	
operation	: ['NN']	herbert	: ['NNP']	
event	: ['NN']	special	: ['JJ']	
out	: ['RP', 'RB', 'IN']	category	: ['NN']	
living	: ['VBG', 'JJ', 'NN']	accomplish	: ['VB']	
actively	: ['RB']	network	: ['NN', 'NNP']	
entertainment	: ['NN']	quality	: ['NN']	
since	: ['IN']	continually	: ['RB']	
research	: ['NNP', 'NN']	content	: ['NN']	
transforming	: ['VBG']	behaviours	: ['NNS', 'VBZ']	
safety	: ['NN']	internet	: ['NN']	
autopilot	: ['VB']	classify/cluster	/locate: ['VB']	
get	: ['VB', 'VBP']	sensor	: ['NN']	
occurs	: ['VBZ']	shows	: ['VBZ']	
foundation	: ['NN']	theory	: ['JJ', 'NN']	
interactions	: ['NNS']	retrieved	: ['VBN']	
maintains	: ['VBZ']	given	: ['VBN']	
approaches	: ['NNS']	formation	: ['NN']	

Tita Inib_riprogramizonpoolet_re				2010-17110-01-12
reasoning/navigation	on: ['NN']	sensors	: ['NNS', 'VBZ']	
tags	: ['NNS']	temperature	: ['NN']	
definition	: ['NN']	interaction	: ['NN', 'NNP']	
derivation	: ['VBN']	language	: ['NN']	
created	: ['VBN', 'VBD']	where	: ['WRB']	
could	: ['MD']	computers	: ['NNS']	
correctness	: ['NNS']	feasible	: ['JJ']	
motion	: ['NN']	turn	: ['NN']	
fruit	: ['NN']	due	: ['JJ']	
relational	: ['JJ']	view	: ['VB', 'NN']	
facilitate	: ['VB']	think	: ['VB']	
first	: ['JJ']	origin	: ['NN']	
major	: ['JJ']	organize	: ['VB']	
features	: ['NNS']	probability	: ['NN']	
feel	: ['VB']	reflected	: ['VBN']	
one	: ['CD', 'NN']	channels	: ['NNS']	
will	: ['MD']	directly	: ['RB']	
owner	: ['NN']	privilege	: ['NN']	
electronic	: ['JJ']	city	: ['NN']	
little	: ['JJ']	publication	: ['NN']	
service	: ['NN']	privacy	: ['NNP']	
data	: ['NN', 'NNS', 'NNP']	interact	: ['VB', 'NN']	
structured	: ['VBN']	system	: ['NN', 'NNP']	
relations	: ['NNS']	fiction	: ['NN']	
priority	: ['NN']	their	: ['PRP\$']	
station	: ['NN']	accessed	: ['VBN']	
time	: ['NN']	weave	: ['JJ', 'VBD', 'VB']	
structures	: ['NNS', 'VBZ']	final	: ['JJ']	
insightful	: ['JJ']	pervasive	: ['VBP', 'JJ']	
exploring	: ['NNP', 'VBG']	building	: ['VBG']	
big	: ['JJ']	that	: ['WDT', 'IN']	
copj	: ['NNP']	explanation	: ['NN', 'NNP']	
sensation	: ['NN']	slides	: ['NNS']	
environmental	: ['JJ']	reflecting	: ['VBG']	
incur	: ['VBP']	authors	: ['NNS']	
cooperate	: ['VB']	than	: ['IN']	
symptom	: ['NN']	population	: ['NN']	
11	: ['CD']	10	: ['CD']	
13	: ['CD']	12	: ['CD']	
15	: ['CD']	14	: ['CD']	
roles	: ['NNS']	16	: ['CD']	
19	: ['CD']	isolation	: ['NN']	
tree	: ['NN']	second	: ['JJ']	
patients	: ['NNS']	future	: ['JJ', 'NN']	
historical	: ['JJ']	were	: ['VBD']	
design	: ['NN']	negatively	: ['RB']	
enables	: ['VBZ']	distinguished	: ['VBN', 'JJ']	
proactive	: ['NNP']	are	: ['VBP']	
collecting	: ['VBG']	interests	: ['NNS']	
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i .\rii.D_i\piograii\ciipse\ci_	_ieiation(vvirequence(vvFi 10000.txt		
addressing	: ['JJ']	weiser	: ['NNP']
viewer	: ['NN']	explicit	: ['JJ']
dynamically	: ['RB']	modern	: ['NNP']
mind	: ['NN']	sometimes	: ['RB']
socio	: ['NN', 'JJ', 'NNP']	have	: ['VBP', 'VB']
need	: ['VBP']	exhibit	: ['VB']
linked	: ['VBN']	viewed	: ['VBN']
acceleration	: ['NN']	issue	: ['NN']
built	: ['VBN']	patterns	: ['NNS']
efficient	: ['JJ']	studying	: ['VBG']
answering	: ['VBG']	able	: ['JJ']
gravity	: ['NN']	mechanism	: ['NN']
also	: ['RB']	relatives	: ['NNS']
concerns	: ['VBZ']	take	: ['VB']
which	: ['WDT']	transmit	: ['VB']
algorithms	: ['NNS']	techniques	: ['NNS']
play	: ['VB']	added	: ['VBN']
multiple	: ['JJ']	allow	: ['VBP']
measures	: ['NNS']	intentions	: ['NNS']
connected	: ['VBN']	but	: ['CC']
services	: ['NNS']	on-demand	: ['JJ']
alarmed	: ['JJ']	measured	: ['VBN']
why	: ['NNP']	peers	: ['NNS']
cause	: ['NN']	artefacts	: ['NNS']
especially	: ['RB']	mobile	: ['JJ']
gather	: ['VB']	flow	: ['NN']
order	: ['NN']	traditional	: ['JJ']
managing	: ['VBG']	points	: ['NNS']
principle	: ['JJ']	pattern	: ['NN']
predictable	: ['JJ']	senior	: ['JJ']
physics	: ['VBZ']	notion	: ['NN']
meaning	: ['NN']	laws	: ['NNS']
stones	: ['NNS']	incorporate	: ['VB']
phenomenon	: ['NN']	text	: ['NN']
supported	: ['VBN']	designer	: ['NN']
bring	: ['VB']	theories	: ['NNS']
relation	: ['NN']	artificial	: ['JJ']
participate	: ['VB']	dimension	: ['NN']
find	: ['VB']	access	: ['VB', 'NN']
trying	: ['VBG']	based	: ['VBN']
knowledge	: ['NN', 'NNP']	well-being	: ['NN']
situations	: ['NNS']	explain	: ['VB']
heavily	: ['RB']	distributed	: ['VBN']
should	: ['MD']	appropriate	: ['JJ']
being	: ['VBG']	only	: ['JJ', 'RB']
jam	: ['NNP']	semantics	: ['NNS']
rich	: ['JJ']	equipped	: ['VBN']
fuel	: ['NN']	employed	: ['VBN']
importantly	: ['RB']	over	: ['IN']
	• [ 100 ]		· [ ±+' ]

i .\Fii.D_i\piogram\ccipse\cc_	_relation(vvirequence(vvF) 10000.txt		
awareness	: ['NN']	do	: ['VBP']
his	: ['PRP\$']	triangle	: ['JJ', 'NN']
cooperation	: ['NN']	means	: ['NN', 'VBZ']
etc.	: ['FW']	express	: ['VB']
overall	: ['JJ']	trees	: ['NNS']
made	: ['VBN']	unconsciously	: ['JJ']
new	: ['JJ', 'NNP']	areas	: ['NNS']
processes	: ['NNS']	resolve	: ['VB']
resource	: ['NNP']	17	: ['CD']
textbooks	: ['NNS']	statuses	: ['NNS']
extends	: ['VBZ']	consisting	: ['VBG']
tennenhouse	: ['NNP']	architecture	: ['NN']
logistic	: ['JJ']	18	: ['CD']
sustainable	: ['JJ']	through	: ['IN']
cycles	: ['NNS']	precaution	: ['NN']
locating	: ['VBG']	consciously	: ['JJ']
knowing	: ['VBG']	requirement	: ['NN']
motions	: ['NNS']	reference	: ['NN']
intelligence	: ['NNP', 'NN']	humans	: ['NNS', 'JJ']
culture	: ['NN', 'VB']	depends	: ['VBZ']
computer	: ['NN']	result	: ['NN']
enhanced	: ['VBN']	parking	: ['NN']
-rsb-	: ['NNS', 'CD', 'JJ', 'NN', 'NNP']	incorporating	: ['VBG']
concern	: ['NN']	evaluation	: ['NN']
capacity	: ['NN']	interacting	: ['VBG']
ways	: ['NNS']	wot	: ['NNP']
away	: ['RB']	currently	: ['RB']
versatile	: ['JJ', 'VB']	propagates	: ['VBZ']
vet	: ['RB']	boundaries	: ['NNS']
classes	: ['NNS']	various	: ['JJ']
correctly	: ['RB']	between	: ['IN']
progress	: ['NN']	developer	: ['NN']
wide	: ['NNP']	preserve	: ['VB']
publishers	: ['NNS']	we	: ['PRP']
follow	: ['VBP']	terms	: ['NNS']
ability	: ['NN']	extend	: ['VB']
nature	: ['NN']	importance	: ['NN']
sold	: ['VBN']	however	: ['RB']
supermarket	: ['NN']	beyond	: ['IN']
sub-healthy	: ['JJ']	extent	: ['NN']
next-generation	: ['JJ']	carbon	: ['NN']
cities	: ['NNS']	come	: ['VB']
autonomous	: ['JJ']	monitor	: ['VBP']
undetermined		both	
essentially	: ['JJ'] . ['PP']	tangible	: ['DT']
<del>-</del>	: ['RB']	=	: ['JJ']
many	: ['JJ']	density minds	: ['NN']
space	: ['NN', 'NNP']		: ['NNS']
sensitive	: ['JJ']	context	: ['NN']
attributes	: ['NNS']	interactive	: ['JJ', 'VBZ']

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adapted	: ['VBN']	otherwise	: ['RB']	
and	: ['CC', 'VB']	relevant	: ['JJ']	
pconnecting	: ['VBG']	large-scale	: ['JJ']	
reasons	: ['NNS']	effective	: ['JJ']	
superlink	: ['NN']	community	: ['NN']	
height	: ['NN']	key	: ['JJ']	
variety	: ['NN']	illness	: ['NN']	
maximize	: ['VB']	factors	: ['NNS']	
considering	: ['VBG']	ensures	: ['VBZ']	
positively	: ['RB']	cameras	: ['NNS']	
basis	: ['NN']	create	: ['VB']	
computing	: ['NN', 'NNP', 'VBG']	co-exist	: ['VB']	
been	: ['VBN']	quickly	: ['RB']	
locate/reason/n	avigate: ['VB']	maintenance	: ['NN']	
navigate	: ['VB']	collected	: ['VBN']	
linguistic	: ['JJ']	featuring	: ['VBG']	
waste	: ['NN']	fig	: ['VB']	
life	: ['NN', 'NNP']	senses	: ['NNS']	
self-organized	: ['VBN', 'JJ']	reaction	: ['NN']	
route	: ['NN']	concerning	: ['VBG']	
formed	: ['VBN']	gas	: ['NN']	
modelling	: ['VBG', 'JJ', 'NNP', 'NN']	gap	: ['NN']	
photos	: ['NNS']	coherent	: ['JJ']	
observe	: ['VB']	understand	: ['VB']	
demand	: ['NN']	an	: ['DT']	
present	: ['NN']	audio	: ['NN']	
critical	: ['JJ']	developing	: ['VBG']	
these	: ['DT']	engineering	: ['NN', 'VB']	
value	: ['NN']	easier	: ['JJR']	
aim	: ['NN']	euclidean	: ['JJ']	
while	: ['IN']	reliability	: ['NN']	
designers	: ['NNS']	situation	: ['NN']	
aspirations	: ['NNS']	loop	: ['NN']	
engineers	: ['NNS']	represents	: ['VBZ']	
layer	: ['VBG', 'NN']	characteristics	: ['NNS']	
is	: ['VBZ']	it	: ['PRP']	
according	: ['VBG']	hardware	: ['NN']	
itself	: ['PRP']	embrace	: ['VB']	
in	: ['IN']	non-material	: ['JJ']	
technology	: ['NN']	attach	: ['VB']	
if	: ['IN']	different	: ['JJ', 'VBG']	
develop	: ['VB', 'VBP']	vivid	: ['JJ']	
propagation	: ['NN']	perform	: ['VB']	
things	: ['NNS']	make	: ['VB', 'VBP']	
belong	: ['VBP']	cross	: ['NN', 'VBP', 'JJ']	
who	: ['WP']	any	: ['DT']	
rules	: ['NNS']	another	: ['DT']	
complex	: ['JJ', 'NN']	harmony	: ['NN']	
contain	: ['VB']	shuttle	: ['NN']	
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hierarchies	: ['NNS']	several	: ['JJ']
events	: ['NNS']	higher	: ['JJR']
status	: ['NN']	evolve	: ['VB']
used	: ['VBN', 'VBD']	super-link	: ['JJ', 'NN', 'VB']
see	: ['VB']	sensed	: ['JJ']
iot	: ['NNP']	effect	: ['NN']
flows	: ['NNS']	effectively	: ['RB']
persons	: ['NNS']	respected	: ['JJ']
levels	: ['NNS']	driven	: ['VBN']
changing	: ['VBG']	investments	: ['NNS']
thoughts	: ['NNS']	recent	: ['JJ']
relies	: ['VBZ']	supports	: ['VBZ']
internet-centric	: ['NNP']	reflection	: ['VB', 'NN']
scenario	: ['NN']	programs	: ['NNS']
minimize	: ['VB']	studies	: ['NNS']
page	: ['NN']	well	: ['RB']
fusion	: ['NN']	obviously	: ['RB']
thought	: ['VBN', 'NN', 'VBD']	person	: ['NN']
without	: ['IN']	solve	: ['VB']
components	: ['NNS']	actuators	: ['NNS']
coordinate	: ['VB']	traffic	: ['NN', 'NNP']
model	: ['NNP', 'NN']	paradigm	: ['NN']
sensing	: ['NN']	drawing	: ['VBG']
bodies	: ['NNS']	know	: ['VB', 'VBP']
unified	: ['JJ']	abilities	: ['NNS']
just	: ['RB']	among	: ['IN']
transmitting	: ['VBG']	photo	: ['NN']
guided	: ['VBN']	obtain	: ['VB']
actions	: ['NNS']	ideas	: ['NNS']
recycled	: ['VBN']	add/remove	: ['JJ']
using	: ['VBG']	cyber-physical-so	cial: ['JJ']
foresee	: ['VB']	applications	: ['NNS']
coordination	: ['NN']	captured	: ['VBN']
previous	: ['JJ']	web	: ['NNP', 'NN']
cyberspaceq	: ['NN']	depicts	: ['VBZ']
monitored	: ['VBN']	family	: ['NN']
sciences	: ['NNS', 'NNPS']	regarded	: ['VBN']
point	: ['NN']	had	: ['VBD']
ideal	: ['NN']	evidences	: ['NNS']
passive	: ['JJ']	potential	: ['JJ']
parents	: ['NNS']	treatment	: ['NN']
close-loop	: ['NN']	has	: ['VBZ']
human?machine	: ['JJ']	transformation	: ['NN', 'VBD']
smart	: ['NNP']	interconnection	: ['NN']
real	: ['JJ']	explained	: ['VBN']
aspects	: ['NNS']	around	: ['IN']
worlds	: ['NNS']	read	: ['VB']
evaluate	: ['VB']	digital	: ['JJ']
pnetworks	: ['NNS']	possible	: ['JJ']
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early	: ['JJ']	cultural	: ['JJ']
simonos	: ['NNP']	grid	: ['NN']
preference	: ['NN']	world	: ['NN', 'NNP']
unique	: ['JJ']	usually	: ['RB']
advanced	: ['VBN']	guaranteed	: ['VBN']
harmoniously	: ['RB', 'NN']	phenomena	: ['NNS']
necessary	: ['JJ']	like	: ['IN', 'JJ']
envisioned	: ['VBN']	facets	: ['NNS']
specific	: ['JJ']	collect	: ['VB']
individuals	: ['NNS']	become	: ['VBN', 'VBP']
security	: ['NN']	works	: ['VBZ']
essential	: ['JJ']	empirically	: ['RB']
fulfil	: ['VB']	sketch	: ['VB']
because	: ['RB', 'IN']	often	: ['RB']
people	: ['NNS']	tells	: ['VBZ']
some	: ['DT']	competition	: ['NN']
identified	: ['VBD']	experiments	: ['NNS']
towards	: ['IN']	meters	: ['NNS']
evaluated	: ['VBN']	recommendation	: ['NN']
images	: ['NNS']	home	: ['NN']
generates	: ['VBZ']	man	: ['NN']
gradually	: ['RB']	dimensions	: ['NNS']
for	: ['IN']	micro	: ['JJ']
establish	: ['VB']	maps	: ['NNS']
integration	: ['NN']	whole	: ['JJ']
models	: ['NNS']	machine	: ['NN']
connecting	: ['VBG']	provides	: ['VBZ']
innovation	: ['NN']	transmitted	: ['VBN']
semantically	: ['RB']	three	: ['CD']
chains	: ['NNS']	coined	: ['VBN']
core	: ['NN']	object	: ['NN']
run	: ['VB']	obey	: ['RB']
minimization	: ['NNS']	real-world	: ['NN', 'JJ']
communicate	: ['VB']	expansion	: ['NN']
doctors	: ['NNS']	although	: ['IN']
fused	: ['VBN']	manufacturing	: ['NN']
hilbert	: ['NN']	stage	: ['NN']
on	: ['IN']	limitation	: ['NN']
carried	: ['VBN']	extension	: ['NNP']
extending	: ['VBG']	coexist	: ['VBP']
of	: ['IN']	identification	: ['NNP']
location	: ['NN']	simulation	: ['NN']
carries	: ['VBZ']	ensure	: ['VB']
greatly	: ['RB']	own	: ['JJ']
propagate	: ['VBP']	efforts	: ['NNS']
introduced	: ['VBN']	or	: ['CC']
road	: ['NN']	software	: ['NN']
mathematical	: ['JJ']	artefact	: ['NN', 'JJ']
computational	: ['JJ']	presence	: ['NN']

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communication	: ['NN']	<pre>into : ['IN']</pre>	
within	: ['IN']	<pre>bridging : ['VBG']</pre>	
negative	: ['JJ']	recognize : ['VB']	
children	: ['NNP', 'NNS']	beings : ['NNS']	
very	: ['RB']	roads : ['NNS']	
pre-designed	: ['VBN', 'JJ']	centrality : ['NN']	
methods	: ['NNS']	<pre>networking : ['NN']</pre>	
devices	: ['NNS']	cyber-physical-socio: ['NNP', 'VB']	
before	: ['IN']	support : ['NN', 'VBP']	
there	: ['EX']	available : ['JJ']	
transform	: ['VB']	long : ['JJ']	
pages	: ['NNS']	<pre>influencing : ['VBG']</pre>	
low	: ['JJ']	way : ['NN']	
mappings	: ['NNS']	scientific : ['JJ', 'NNP']	
was	: ['VBD']	materials : ['NNS']	
function	: ['NN']	tight : ['JJ']	
from	: ['IN']	form : ['NN', 'VB', 'VBP']	
manufacturers	: ['NNS']	forming : ['VBG']	
basic	: ['JJ']	extended : ['VBN']	
idea	: ['NN']	pj : ['NN']	
link	: ['NNP', 'VB', 'NN']	goals : ['NNS']	
cycle	: ['NN']	-lrb- : ['-LRB-']	
technologies	: ['NNS']	removed : ['VBN']	
with	: ['IN']	rebuilt : ['VBN']	
deployed	: ['VBN']	count : ['VB']	
multi-space	: ['JJ', 'VB']	pi : ['NN']	
places	: ['NNS']	radio-frequency : ['NNP']	
us	: ['PRP']	aeroplanes : ['NNS']	
record	: ['VB']	economic : ['JJ']	
reflexive	: ['VBZ', 'JJ']	embedded : ['JJ', 'VBN']	
demonstrate	: ['VBP']	multi-semantic : ['JJ']	
similar	: ['JJ']	called : ['VBD']	
connect	: ['VB', 'VBP']	gone : ['VBN']	
vehicles	: ['NNPS']	-rrb- : ['-RRB-']	
abstract	: ['JJ']	influence : ['NN', 'VB', 'NNP', 'VBP']	
general	: ['JJ']	imagination : ['NN']	
single	: ['JJ']	enable : ['VBP']	
at	: ['IN']	our : ['PRP\$']	
lifetime	: ['NN', 'VBP']	education : ['VB']	
happen	: ['VBP']	as : ['IN', 'RB']	
physical	: ['JJ', 'VBG']	mathematic : ['JJ']	
mutual	: ['JJ']	avoided : ['VBN']	
ideally	: ['RB']	no : ['DT']	
image	: ['NN']	when : ['WRB']	
green	: ['NNP']	virtual : ['JJ']	
application	: ['NN']	build : ['VB']	
other	: ['JJ']	role : ['NN']	
papers	: ['NNS']	long-time : ['JJ']	
operationos	: ['NNS']	optimization : ['JJ', 'NN']	
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expected	: ['VBN']	node	: ['NN']
explaining	: ['VBG']	elements	: ['NNS']
users	: ['NNS']	mutual-influence	: ['NN']
students	: ['NNS']	cpsocio	: ['NNP']
symbol	: ['NN']	state-of-the-art	: ['JJ']
problems	: ['NNS']	robots	: ['NNS']
ecological	: ['JJ']	important	: ['JJ']
authorities	: ['NNS']	privileges	: ['NNS']
structure	: ['NN']	ago	: ['RB']
progresses	: ['VBZ']	individual	: ['JJ', 'NNP', 'NN']
lead	: ['VB']	described	: ['VBD']
zooming	: ['NN', 'VBG']	ranks	: ['NNS']
proposed	: ['VBN', 'VBD']	required	: ['VBN']
fuse	: ['VB']	phumans	: ['NNS']
rule	: ['VB', 'NN']	mass	: ['NN']
2005	: ['CD']	rural	: ['JJ']
cps	: ['NNP']	decision	: ['NNP', 'NN']
once	: ['RB']		