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representing	: 4	were	: 4	summarizations	: 4	ways	: 4
mark	: 4	good	: 4	develop	: 4	output	: 4
consider	: 4	nodes	: 4	threads	: 4	establish	: 4
strategies	: 4	needs	: 4	short	: 4	generation	: 4
beyond	: 4	number	: 4	interact	: 4	determined	: 4
motivation	: 4	play	: 4	ext	: 4	intelligence	: 4
interface	: 4	both	: 4	hyperlink	: 4	pi	: 4
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advanced	: 3	unnecessary	: 3	comments	: 3	automatically	: 3
exist	: 3	generally	: 3	interested	: 3	uniformly	: 3
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still	: 3	coordinates	: 3	significantly	: 3	rational	: 3
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net	: 2	china	: 2	changed	: 2	museums	: 2
replace	: 2	plot	: 2	browse	: 2	music	: 2
yahoo	: 2	continual	: 2	work	: 2	itself	: 2
end	: 2	over	: 2	writing	: 2	clauses	: 2
xu	: 2	silent	: 2	roles	: 2	extracting	: 2
bridge	: 2	behavior	: 2	exploring	: 2	modern	: 2
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maximum	: 2	locality	: 2	digital	: 2	node	: 2
models	: 2	felt	: 2	global	: 2	advantage	: 2
mckeown	: 2	discover	: 2	uniform	: 2	relational	: 2
studies	: 2	emerge	: 2	criteria	: 2	huge	: 2
produce	: 2	man	: 2	years	: 2	statistical	: 2
half	: 2	arrows	: 2	establishing	: 2	emerges	: 2
increase	: 2	shows	: 2	clustering	: 2	theory	: 2
mechanisms	: 2	derivation	: 2	think	: 2	first	: 2
directly	: 2	maybury	: 2	constructionism	: 2	topics	: 2
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among	: 2	formed	: 2	photos	: 2	document	: 2
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symbiotic	: 2	moderate	: 2	oj	: 2	discussed	: 2
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specialized	: 2	scan	: 2	influenced	: 2	influences	: 2
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since	: 2	denoted	: 2	reason	: 2	done	: 2

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quillian	: 2	mirella	: 2	measures	: 2	experiences	: 2
institutions	: 2	impact	: 2	indicator	: 2	distributed	: 2
trees	: 2	culture	: 2	probably	: 2	attention	: 2
relying	: 2	due	: 2	reduction	: 2	century	: 2
faceted	: 2	widely	: 2	composition	: 2	database	: 2
love	: 2	tables	: 2	advertisements	: 2	facets	: 2
essential	: 2	mathematical	: 2	understood	: 2	gudivada	: 2
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statistics	: 2	long	: 2	sections	: 2	line	: 2
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compose	: 2	concerned	: 2	understandings	: 2	plays	: 2
access	: 2	3d	: 2	body	: 2	lee	: 2
semantics-based	: 2	opinion	: 2	implement	: 2	involves	: 2
cooperate	: 2	integrating	: 2	classifications	: 2	located	: 2
establishment	: 2	collection	: 2	efficiently	: 2	revising	: 2
own	: 2	lapata	: 2	relativity	: 2	2013	: 2
front	: 2	text-only	: 2	storyboard	: 2	identified	: 2
map	: 2	constitute	: 2	books	: 2	our	: 2
luhn	: 2	supports	: 2	integrated	: 2	phrases	: 2
raghavan	: 2	radev	: 2	reaches	: 2	publication	: 2
regards	: 2	remember	: 2	abstracts	: 2	clip	: 2
mechanism	: 2	close-core	: 2	high-level	: 2	minsky	: 2
candidates	: 2	coordinating	: 2	contain	: 2	qi	: 2
constructing	: 2	exists	: 2	computer	: 2	interacting	: 2
freely	: 2	streams	: 2	diversity	: 2	coherence	: 2
sensed	: 2	value	: 2	ekin	: 2	thus	: 2
unity	: 2	difficult	: 2	keep	: 2	hybrid	: 2
underlying	: 2	large-scale	: 2	articles	: 2	sequence	: 2
phenomena	: 2	expansion	: 2	carried	: 2	carries	: 2
1982	: 2	synthesized	: 2	versatile	: 2	whether	: 2
piece	: 2	education	: 2	humanized	: 2	conclusion	: 2
kinds	: 2	volumes	: 2	writings	: 1	two-dimensional	: 1
magnetic	: 1	desirable	: 1	relationships	: 1	physiological	: 1
presents	: 1	under	: 1	emerged	: 1	regional	: 1
updates	: 1	uncertain	: 1	markov	: 1	unifying	: 1
concise	: 1	direct	: 1	likely	: 1	designing	: 1
notions	: 1	obtained	: 1	electricity	: 1	browsing	: 1
advantages	: 1	zubiaga	: 1	changes	: 1	explained	: 1
stern	: 1	m.	: 1	negative	: 1	hahn	: 1
phone	: 1	qazvinian	: 1	hold	: 1	uzzaman	: 1
me	: 1	1993	: 1	1996	: 1	wang	: 1
give	: 1	organized	: 1	involve	: 1	reviewing	: 1
feasible	: 1	guarantee	: 1	worldview	: 1	classify	: 1
attempt	: 1	neglect	: 1	greek	: 1	complexity	: 1
wind	: 1	emotion	: 1	1-10	: 1	satisfies	: 1
nets	: 1	production	: 1	hidden	: 1	carton	: 1
easier	: 1	enrich	: 1	break	: 1	effects	: 1

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classifies	: 1	series	: 1	upload	: 1	reused	: 1
encourage	: 1	foundation	: 1	free	: 1	tian .	: 1
detecting	: 1	bates	: 1	concept-level	: 1	viewing	: 1
incorporated	: 1	social/individual	: 1	wind-rose	: 1	navigator	: 1
similarly	: 1	needed	: 1	hypothetical	: 1	recent	: 1
tool	: 1	inexact	: 1	target	: 1	1978	: 1
speaking	: 1	historical	: 1	fashion	: 1	rau	: 1
regulate	: 1	tells	: 1	responsible	: 1	1960	: 1
1961	: 1	recommended	: 1	scripts	: 1	self-complete	: 1
medical	: 1	flow	: 1	points	: 1	notion	: 1
attempts	: 1	solutions	: 1	maccarthy	: 1	latent	: 1
salton	: 1	dj	: 1	establishes	: 1	di	: 1
prefaces	: 1	architecture	: 1	reference	: 1	habit	: 1
peripheral	: 1	depends	: 1	correlational	: 1	lenat	: 1
unable	: 1	cooperation	: 1	discovery	: 1	extend	: 1
smelled	: 1	improve	: 1	adapting	: 1	biologically	: 1
facet	: 1	games	: 1	logic	: 1	requests	: 1
argue	: 1	appeared	: 1	dynamically	: 1	website	: 1
foucault	: 1	coherent	: 1	personally	: 1	halevy	: 1
air	: 1	near	: 1	reinventions	: 1	ip	: 1
grammars	: 1	experts	: 1	caesar	: 1	agarwal	: 1
containing	: 1	clearly	: 1	thoughts	: 1	scenario	: 1
programs	: 1	1977	: 1	1975	: 1	ocean	: 1
incapable	: 1	simulated	: 1	proposes	: 1	adding	: 1
candidate	: 1	sciences	: 1	tuples	: 1	easy	: 1
technological	: 1	picture-based	: 1	humanity	: 1	possible	: 1
possibly	: 1	fusion	: 1	unification	: 1	yager	: 1
informative	: 1	steps	: 1	security	: 1	right	: 1
old	: 1	successfully	: 1	short-term	: 1	sociology	: 1
shakespeare	: 1	dynamicity	: 1	uml	: 1	repository	: 1
tewfik	: 1	properties	: 1	mihalcea	: 1	constructivism	: 1
v.qazvinian	: 1	maxwell	: 1	combine	: 1	rendering	: 1
reducing	: 1	compression	: 1	support	: 1	why	: 1
anderson	: 1	forming	: 1	denoting	: 1	friederici	· · · · · · · · · · · · · · · · · · ·
incorporation	: 1	stages	: 1	high-dimensional	: 1	evidence	: 1
reality	: 1	shrink	: 1	neuroscience	: 1	n.	: 1
assume	: 1	krakauer	: 1	concept	: 1	chain	: 1
themes	: 1	technique	: 1	multi-facet	: 1	marks	: 1
1991	: 1	zhang	: 1	two-way	: 1	emphasizes	: 1
	: 1	exact	: 1	standards	: 1	zoom-in-and-zoom-o	
emphasized	: 1		: 1			insignificant	
perceptual		says		three-dimensional	: 1		: 1
cyber	: 1	ashburner	: 1	shares	: 1	satisfy	: 1
explosion	: 1	improvable	: 1	magnetism	: 1	groups	: 1
change	: 1	resonance	: 1	picture-text	: 1	additive	: 1
positive	: 1	live	: 1	encode	: 1	introducing	: 1
clicking	: 1	visual	: 1	julius	: 1	car	: 1
semi-automatic	: 1	cad	: 1	portals	: 1	expanding	: 1
heard	: 1	pre-defined	: 1	watching	: 1	s.	: 1
economy	: 1	explores	: 1	designed	: 1	improving	: 1

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accelerates	: 1	lemmas	: 1	fluent	: 1	definitions	: 1	
seeing	: 1	webpage	: 1	structuring	: 1	group	: 1	
monitor	: 1	platform	: 1	constitutes	: 1	coordinated	: 1	
happened	: 1	conveying	: 1	views	: 1	matches	: 1	
conversations	: 1	records	: 1	matched	: 1	cognition	: 1	
rethinking	: 1	domain	: 1	snapshots	: 1	breakthrough	: 1	
year	: 1	communicating	: 1	attracted	: 1	investigation	: 1	
earlier	: 1	possibility	: 1	complicated	: 1	bayes	: 1	
uncover	: 1	teufel	: 1	clicked	: 1	selections	: 1	
motion	: 1	thing	: 1	origin	: 1	spoken	: 1	
carry	: 1	methodological	: 1	mouaddib	: 1	fmri	: 1	
personalities	: 1	categorical	: 1	image-like	: 1	realization	: 1	
friend	: 1	brains	: 1	accurately	: 1	inventor	: 1	
tasted	: 1	locations	: 1	ideas	: 1	equipment	: 1	
ideal	: 1	trace	: 1	normal	: 1	friedman	: 1	
adaptability	: 1	considered	: 1	typically	: 1	laws	: 1	
shot	: 1	xml	: 1	dick	: 1	either	: 1	
enriched	: 1	viewpoint	: 1	readablitiy	: 1	resource	: 1	
lenzerini	: 1	relative	: 1	top-level	: 1	detect	: 1	
review	: 1	navigates	: 1	infrastructure	: 1	screen	: 1	
hilda	: 1	article	: 1	motivations	: 1	implementing	: 1	
period	: 1	considering	: 1	shroff	: 1	prototype	: 1	
convincible	: 1	win-rose	: 1	external	: 1	case	: 1	
conferences	: 1	everyday	: 1	media	: 1	status	: 1	
edges	: 1	investigates	: 1	distribu	: 1	tracking	: 1	
markup	: 1	extensible	: 1	model	: 1	actress	: 1	
unclear	: 1	aspect	: 1	guides	: 1	captured	: 1	
overlapped	: 1	samples	: 1	complements	: 1	styles	: 1	
kupiec	: 1	decomposed	: 1	early	: 1	grid	: 1	
listening	: 1	externalization	: 1	reduced	: 1	specifies	: 1	
satisfactory	: 1	competition	: 1	specified	: 1	matching	: 1	
reasons	: 1	generates	: 1	provided	: 1	mood	: 1	
critical	: 1	football	: 1	power	: 1	seconds	: 1	
notably	: 1	complementation	: 1	comparison	: 1	ok	: 1	
practical	: 1	mutually	: 1	road	: 1	communication	: 1	
references	: 1	cikm2012	: 1	assumes	: 1	regard	: 1	
1599	: 1	fattah	: 1	unveils	: 1	arranges	: 1	
exemplar	: 1	d.r.radev	: 1	strongly	: 1	gong	: 1	
lifetime	: 1	gruber	: 1	again	: 1	completeness	: 1	
multi-level	: 1	poor	: 1	non-symbol	: 1	students	: 1	
coverage	: 1	included	: 1	multi-medias	: 1	curve	: 1	
kckeown	: 1	coauthor	: 1	tv	: 1	homepage	: 1	
activities	: 1	difference	: 1	condition	: 1	louis	: 1	
adjust	: 1	abstracted	: 1	displays	: 1	section	: 1	
learned	: 1	contrast	: 1	movement	: 1	full	: 1	
compressed	: 1	observing	: 1	publisher	: 1	inspired	: 1	
relevant-to-core	: 1	family	: 1	sensors	: 1	eye	: 1	
distinct	: 1	codify	: 1	comparing	: 1	knows	: 1	
abridged	: 1	known	: 1	history	: 1	compare	: 1	
azrragea	• ±	1211 O AA 11	• ±	1110001 3	• ±	Comparc	• ±	

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correctness	: 1	share	: 1	minimum	: 1	exclude	: 1	
species	: 1	recursive	: 1	awkward	: 1	explains	: 1	
raschia	: 1	tried	: 1	algebra	: 1	adventure	: 1	
derives	: 1	egg	: 1	rapidly	: 1	detected	: 1	
microscopic	: 1	might	: 1	macroscopic	: 1	pursue	: 1	
reflected	: 1	association	: 1	found	: 1	characterized	: 1	
house	: 1	energy	: 1	operation	: 1	event	: 1	
publish	: 1	denotes	: 1	health	: 1	reformulated	: 1	
citation-based	: 1	imaging	: 1	put	: 1	thread	: 1	
computers	: 1	major	: 1	graesser	: 1	human-machine-natu	re: 1	
instances	: 1	neglects	: 1	script	: 1	moderately	: 1	
least	: 1	statement	: 1	gps	: 1	afantenos	: 1	
hotel	: 1	newell	: 1	inventing	: 1	query-focused	: 1	
instruction	: 1	electroencephalogra	phy: 1	relationship	: 1	lin	: 1	
empirically	: 1	analogy	: 1	finding	: 1	added	: 1	
reach	: 1	feature-based	: 1	complementing	: 1	significant	: 1	
services	: 1	britton	: 1	probabilistic	: 1	stands	: 1	
mobile	: 1	mediation	: 1	physics	: 1	golf	: 1	
phenomenon	: 1	flicker	: 1	relation	: 1	headlines	: 1	
saint-paul	: 1	writer	: 1	his	: 1	valuable	: 1	
closely	: 1	scanning	: 1	see	: 1	close	: 1	
2.0	: 1	muthukrishnan	: 1	learns	: 1	visiting	: 1	
distinctive	: 1	familiarity	: 1	formatted	: 1	conditions	: 1	
g.cormode	: 1	available	: 1	recently	: 1	conroy	: 1	
interfaces	: 1	cross-disciplinary	: 1	last	: 1	reverse	: 1	
connection	: 1	long-term	: 1	whole	: 1	corresponds	: 1	
regulated	: 1	described	: 1	transformations	: 1	acceptance	: 1	
strategy	: 1	precision	: 1	self-organizes	: 1	systematic	: 1	
demand	: 1	unify	: 1	reliable	: 1	evaluated	: 1	
р.	: 1	guide	: 1	obstacle	: 1	externalize	: 1	
expressiveness	: 1	flows	: 1	novwak	: 1	purpose	: 1	
kintsch	: 1	lower	: 1	task	: 1	navigation	: 1	
consistency	: 1	questions	: 1	relevancy	: 1	recognizing	: 1	
relevance	: 1	build	: 1	format	: 1	big	: 1	
genetically	: 1	game	: 1	marcu	: 1	formal	: 1	
collect	: 1	individuals	: 1	back	: 1	economic	: 1	
gradually	: 1	scale	: 1	decision	: 1	integration	: 1	
professionals	: 1	inserting	: 1	in-depth	: 1	evidencing	: 1	
interactivity	: 1	impressed	: 1	retrieving	: 1	analyze	: 1	
poster	: 1	zhu	: 1	characteristic	: 1	verification	: 1	
hovy	: 1	rewriting	: 1	application	: 1	actors	: 1	
explaining	: 1	elements	: 1	backbone	: 1	regulations	: 1	
ago	: 1	independently	: 1	algorithm	: 1	youtube	: 1	
2003	: 1	requires	: 1	silber	: 1	broaden	: 1	
proposition	: 1	sigmund	: 1	query	: 1	excludes	: 1	
pre-designed	: 1	resources	: 1	inner-product	: 1	garden	: 1	
putting	: 1	d•	: 1	categories	: 1	arrange	: 1	
picture-sharing	: 1	experiencing	: 1	try	: 1	licklider	: 1	
locate	: 1	traveling	: 1	business	: 1	experiment	: 1	
						<u>-</u>		

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values	: 1	focuses	: 1	led	: 1	degree	: 1
let	: 1	others	: 1	layout	: 1	invented	: 1
great	: 1	larger	: 1	resulting	: 1	composed	: 1
up-to-date	: 1	scales	: 1	thin	: 1	hardy	: 1
names	: 1	motor	: 1	apply	: 1	tools	: 1
certificate	: 1	carbonell	: 1	reciprocity	: 1	themselves	: 1
touched	: 1	optimizing	: 1	journalists	: 1	started	: 1
normalized	: 1	iii	: 1	distilling	: 1	publications	: 1
reserved	: 1	high	: 1	effectively	: 1	united	: 1
mccoy	: 1	specifications	: 1	philosophy	: 1	separations	: 1
element	: 1	symbol-like	: 1	produces	: 1	abu-jbara	: 1
looks	: 1	mentioned	: 1	tenenbaum	: 1	instruments	: 1
greater	: 1	practice	: 1	often-cited	: 1	abstractive	: 1
merge	: 1	transmitted	: 1	sub-graphs	: 1	inevitably	: 1
measure	: 1	human-level	: 1	entertainment	: 1	integrates	: 1
elkiss	: 1	red	: 1	attending	: 1	retrieves	: 1
length	: 1	davis	: 1	reached	: 1	1989	: 1
ceccato	: 1	salient	: 1	ordering	: 1	accompany	: 1
fuzzy	: 1	richer	: 1	distinguished	: 1	result	: 1
enforced	: 1	viewer	: 1	curves	: 1	viewed	: 1
subject	: 1	refocusing	: 1	class	: 1	stronger	: 1
dijk	: 1	impression	: 1	entities	: 1	reorganizing	: 1
familiar	: 1	argues	: 1	brain	: 1	cycles	: 1
knowing	: 1	frame	: 1	operates	: 1	enhanced	: 1
responses	: 1	placed	: 1	pattern	: 1	nanba	: 1
written	: 1	progress	: 1	boundary	: 1	linguistics	: 1
efficiency	: 1	jon	: 1	commenting	: 1	taking	: 1
etc	: 1	otherwise	: 1	comment	: 1	distinguish	: 1
sequences	: 1	equips	: 1	addition	: 1	trajectory	: 1
senses	: 1	CVS	: 1	supply	: 1	murphy	: 1
generic	: 1	smarter	: 1	material	: 1	automation	: 1
transformational	: 1	architectures	: 1	contribution	: 1	center	: 1
neural	: 1	modeled	: 1	sets	: 1	less	: 1
rest	: 1	navlakha	: 1	coordination	: 1	low-level	: 1
rapid	: 1	add	: 1	adoption	: 1	attractive	: 1
propositions	: 1	nenkova	: 1	deployment	: 1	immediately	: 1
insert	: 1	dictionaries	: 1	loses	: 1	become	: 1
shen	: 1	neglecting	: 1	recognition	: 1	happens	: 1
o.gross	: 1	chains	: 1	limitations	: 1	reaching	: 1
journal	: 1	stage	: 1	introduces	: 1	software	: 1
owl	: 1	functional	: 1	1986	: 1	1985	: 1
artifacts	: 1	museum	: 1	popularity	: 1	describes	: 1
slow-motion	: 1	hu	: 1	goals	: 1	formalized	: 1
record	: 1	frequency	: 1	distribution	: 1	recognize	: 1
denote	: 1	reflecting	: 1	functions	: 1	details	: 1
turkeltaub	: 1	ranks	: 1	agrawal	: 1	rule	: 1
compete	: 1	4d	: 1	5	-	-	
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WP_Fdic:

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['the', 'DT'] ['to', 'TO'] ['in', 'IN'] ['summarization', 'NN'] ['representation', 'NN'] ['for', 'IN'] ['summary', 'NN'] ['are', 'VBP'] ['by', 'IN'] ['with', 'IN'] ['or', 'CC'] ['this', 'DT'] ['language', 'NN'] ['link', 'NN'] ['social', 'JJ'] ['between', 'IN'] ['wideos', 'NNS'] ['e.g.', 'NNP'] ['some', 'DT'] ['which', 'WDT'] ['that', 'WDT'] ['that', 'WDT'] ['cognitive', 'JJ'] ['zhuge', 'NNP'] ['zhuge', 'NNP']	: 676	<pre>['and', 'CC'] ['-rrb-', '-RRB-'] ['is', 'VBZ'] ['be', 'VB'] ['-rsb-', 'NNS'] ['as', 'IN'] ['text', 'NN'] ['space', 'NN'] ['semantic', 'JJ'] ['on', 'IN'] ['dimensions', 'NNS'] ['have', 'VBP'] ['that', 'IN'] ['should', 'MD'] ['readers', 'NNS'] ['important', 'JJ'] ['at', 'IN'] ['according', 'VBG'] ['time', 'NN'] ['level', 'NN'] ['set', 'NN'] ['set', 'NN'] ['new', 'JJ'] ['humans', 'NNS'] ['core', 'JJ'] ['sentences', 'NNS'] ['used', 'VBN']</pre>	: 461	['of', 'IN'] ['-lrb-', '-LRB-'] ['can', 'MD'] ['-lsb-', 'NNP'] ['pictures', 'NNS']	: 420
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['summarization', 'NN']	: 123	['be', 'VB']	: 109	['-lsb-', 'NNP']	: 108
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[that , wor]	. 24	[Set , NN]	. 24	[Dasic , OO]	: 23 : 22
[leseaton , NN]	. 22	[New , OO]	. 22	[Citation , NN]	. 22 : 21
['almension', 'NN']	. 22	['numans', 'NNS']	: ZI	['Other', 'OU']	: 21 : 21
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[!contonts! !NNC!]	. 10	[previous , oo]	• 10	[System , INN]	: 10
['data' 'NN']	. 10	[common! !II!]	. 10	['nringin]o! 'NN!]	: 9
[data , NN]	. 9	[Common , 50]	. 9	[principle , NN]	. 9 : 9
[2002 , CD]	. 9	[duchors , NNs]	. 9	[didiy515 , NN]	. 9 : 9
[ZUII , CD]	. 9	['order', 'NN'] ['common', 'JJ'] ['authors', 'NNS'] ['usually', 'RB'] ['existing', 'VBG'] ['provides', 'VBZ']	. 9	<pre>['system', 'NN'] ['what', 'WP'] ['principle', 'NN'] ['analysis', 'NN'] ['information', 'NN'] ['automatic', 'JJ'] ['interests', 'NNS'] ['also', 'RB'] ['cognitive', 'NN'] ['especially', 'RB']</pre>	. 9 : 9
['However', 'RB']	• 9	['existing', 'VBG']	: 9	[automatic , June 1	: 9 : 9
[ZUIU , CD]	• 9	['provides', 'VBZ']	: 9	['Interests', 'NNS']	: 9 : 9
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	TTT T TOOG TILKE				2010-171 10H 0:41
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['generated', 'JJ']	: 2	['means', 'NN']	: 2	['regards', 'VBZ']	: 2 : 2
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[!roprosontations! !VP7!]	• 2	['shared' 'VPN']	• 2	[!+imo! !NND!]	• 2
[loggontial! III]	• 2	[Shared , VDN]	• 2	[lainal INND!]	• 2
[lement INNOL]	. 2	[linternation , NNF]	• Z	[qing , wir]	1
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[TETTECCEM , ADM]	• 1	[evembrar ' MM]	• 1	[IIIOIIICOI , ININ]	· ±

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[!high-dimensional! !TT!]	• 1	['externalization' 'NND']	• ±	['collect' 'VB']	• +
[high dimensional , oo]	• 1	[!infrastructure! !NN!]	• ± • 1	['etructuro' 'VD']	• ± • 1
[Rupiec , NNF]	• 1	[Initiastructure , NN]	• ±	[Scructure , VB]	• ±
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['production' 'NN']	• ± • 1	[magnetic , 00]	• ± • 1	[!hehavior! !NN!]	• ± • 1
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[120021 1001]	arcu , NNI j	⊥ [1 [1+hink! !VDD!!	: 1
[2005 , CD] . I [1ek	bared! !TDD!!	1 [longration! INN!!	: 1
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[Pasition / VD]	· · · · · · · · · · · · · · · · · · ·	± L	'hovy', 'NNP']	: 1
[EIKISS , NNF] . I [De				
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	, -		'extracting', 'VBG']	: 1
			'writing', 'VBG']	: 1
			'platform', 'NN']	: 1
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[!stens! !VB7!]	• ± • 1	['nicture-text' '.T.T']	• ±	[!net! !.T.T!]	• ± • 1
[sceps , VDZ]	• ± • 1	[picture text , oo]	• ± • 1	[het, oo]	• ± • 1
[Mencioned , VBN]	• 1		• 1	[IIIgii , OO]	• ±
[CIY , VDF]	• 1	[and , vb]	• 1	[uncertain, oo]	• ±
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,		· 1 · J / · · · · ·		,	
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<pre>['similarly', 'RB']</pre>	<pre>['speed', 'NN'] ['tuples', 'NNS'] ['tenenbaum', 'NNP'] ['genetically', 'RB'] ['simulated', 'JJ'] ['concept', 'NN'] ['silber', 'NNP'] ['forming', 'VBG'] ['derives', 'VBZ'] ['history', 'NN'] ['museum', 'NN']</pre>	: 1 : 1 : 1 : 1 : 1 : 1 : 1	<pre>['audio', 'JJ'] ['shot', 'NN'] ['grid', 'NN'] ['play', 'NN'] ['location', 'VB'] ['shares', 'VBZ'] ['because', 'RB'] ['incorporated', 'VBN'] ['n '. 'NNP']</pre>	: 1 : 1 : 1 : 1 : 1 : 1 : 1
<pre>['similarly', 'RB'] : 1 ['larger', 'JJR'] : 1 ['explained', 'VBD'] : 1 ['agrawal', 'NNP'] : 1 ['introducing', 'VBG'] : 1 ['separations', 'NNS'] : 1 ['that', 'DT'] : 1 ['multimedia', 'JJ'] : 1 ['multimedia', 'VB'] : 1 ['great', 'JJ'] : 1</pre>	<pre>['speed', 'NN'] ['tuples', 'NNS'] ['tenenbaum', 'NNP'] ['genetically', 'RB'] ['simulated', 'JJ'] ['concept', 'NN'] ['silber', 'NNP'] ['forming', 'VBG'] ['derives', 'VBZ'] ['history', 'NN'] ['museum', 'NN']</pre>	: 1 : 1 : 1 : 1 : 1 : 1 : 1	<pre>['audio', 'JJ'] ['shot', 'NN'] ['grid', 'NN'] ['play', 'NN'] ['location', 'VB'] ['shares', 'VBZ'] ['because', 'RB'] ['incorporated', 'VBN'] ['n '. 'NNP']</pre>	: 1 : 1 : 1 : 1 : 1 : 1 : 1
<pre>['similarly', 'RB'] : 1 ['larger', 'JJR'] : 1 ['explained', 'VBD'] : 1 ['agrawal', 'NNP'] : 1 ['introducing', 'VBG'] : 1 ['separations', 'NNS'] : 1 ['that', 'DT'] : 1 ['multimedia', 'JJ'] : 1 ['multimedia', 'VB'] : 1 ['great', 'JJ'] : 1</pre>	<pre>['speed', 'NN'] ['tuples', 'NNS'] ['tenenbaum', 'NNP'] ['genetically', 'RB'] ['simulated', 'JJ'] ['concept', 'NN'] ['silber', 'NNP'] ['forming', 'VBG'] ['derives', 'VBZ'] ['history', 'NN'] ['museum', 'NN']</pre>	: 1 : 1 : 1 : 1 : 1 : 1 : 1	<pre>['audio', 'JJ'] ['shot', 'NN'] ['grid', 'NN'] ['play', 'NN'] ['location', 'VB'] ['shares', 'VBZ'] ['because', 'RB'] ['incorporated', 'VBN'] ['n '. 'NNP']</pre>	: 1 : 1 : 1 : 1 : 1 : 1 : 1
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['explained', 'VBD'] : 1 ['agrawal', 'NNP'] : 1 ['introducing', 'VBG'] : 1 ['separations', 'NNS'] : 1 ['that', 'DT'] : 1 ['multimedia', 'JJ'] : 1 ['multimedia', 'VB'] : 1 ['great', 'JJ'] : 1 ['habit', 'NN'] : 1 ['analogy', 'NN'] : 1	<pre>['silber', 'NNP'] ['forming', 'VBG'] ['derives', 'VBZ'] ['history', 'NN'] ['museum', 'NN']</pre>	: 1 : 1	['incorporated', 'VBN']	: 1
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['separations', 'NNS'] : 1 ['that', 'DT'] : 1 ['multimedia', 'JJ'] : 1 ['multimedia', 'VB'] : 1 ['great', 'JJ'] : 1 ['habit', 'NN'] : 1 ['analogy', 'NN'] : 1	<pre>['silber', 'NNP'] ['forming', 'VBG'] ['derives', 'VBZ'] ['history', 'NN'] ['museum', 'NN']</pre>	: 1 : 1	['incorporated', 'VBN']	: 1
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['multimedia', 'JJ'] : 1 ['multimedia', 'VB'] : 1 ['great', 'JJ'] : 1 ['habit', 'NN'] : 1 ['analogy', 'NN'] : 1	['forming', 'NNP'] ['forming', 'VBG'] ['derives', 'VBZ'] ['history', 'NN'] ['museum', 'NN'] ['davis', 'NNP']	: 1 : 1	['incorporated', 'VBN']	: 1
['multimedia', 'JJ'] : 1 ['multimedia', 'VB'] : 1 ['great', 'JJ'] : 1 ['habit', 'NN'] : 1 ['analogy', 'NN'] : 1	<pre>['forming', 'VBG'] ['derives', 'VBZ'] ['history', 'NN'] ['museum', 'NN'] ['davis', 'NNP']</pre>	: 1 : 1 : 1	['n '. 'NNP']	
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['great', 'JJ'] : 1 ['habit', 'NN'] : 1 ['analogy', 'NN'] : 1	<pre>['history', 'NN'] ['museum', 'NN'] ['davis', 'NNP']</pre>	: 1 . 1	0 0 0 0 7 1	• 1
['habit', 'NN'] : 1 ['analogy', 'NN'] : 1	['museum', 'NN'] ['davis'. 'NNP']	. 1	[easy , 'UU']	: 1
['analogy'. 'NN'] : 1	['davis', 'NNP']	: 1	['produces', 'VBZ']	: 1
[4114199] , 1111	[~~ 1.111]	: 1	['tv', 'NN']	: 1
['egg', 'NN'] : 1	['formalized', 'VBN']	: 1	['easy', 'JJ'] ['produces', 'VBZ'] ['tv', 'NN'] ['retrieves', 'JJ']	: 1
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['pre-designed', 'JJ'] : 1	['build', 'VB']	: 1	['possibility', 'NN']	: 1
<pre>['mutually', 'RB']</pre>	<pre>['formalized', 'VBN'] ['studies', 'VBZ'] ['writers', 'NNP'] ['flow', 'NN'] ['software', 'NN'] ['methods', 'RB'] ['responsible', 'JJ'] ['half', 'DT'] ['build', 'VB'] ['notions', 'NNS'] ['center', 'NN'] ['points', 'NNS']</pre>	· 1	['xu', 'NNP'] ['possibility', 'NN'] ['association', 'NN']	: 1
['noor', 'JJ'] · 1	['center'. 'NN']	• 1	['break'. 'VB']	: 1
['retrieving' 'VBG'] · 1	['noints', 'NNS']	• - • 1	['break', 'VB'] ['ranking', 'JJ']	: 1
['familiarity', 'NN'] : 1	['visual', 'JJ']	• ± • 1	['ranking', 'JJ'] ['citation', 'VBG']	: 1
[!storuboard! !II!] . 1	[VISUAL , OO]	• 1	['xu', 'NN']	: 1
[Storyboard , oo] . 1	[yayer , NNr]	• ± • 1	['species', 'NNS']	: 1
['familiarity', 'NN'] : 1 ['storyboard', 'JJ'] : 1 ['newell', 'NNP'] : 1 ['two-way', 'JJ'] : 1 ['cad', 'NNP'] : 1 ['semantically', 'JJ'] : 1 ['perceptual', 'NN'] : 1 ['business', 'NN'] : 1 ['classification', 'JJ'] : 1 ['concerns', 'NNS'] : 1 ['depends', 'VBZ'] : 1	[desirable , oo]	• <u>1</u>		
['Lwo-way', 'OU'] : 1	['themes', 'NNS']	; <u>1</u>	['fusion', 'NN']	
['Cad', 'NNP'] : 1	['direct', 'JJ']	: 1	['Instances', 'NNS']	; <u>1</u>
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['perceptual', 'NN'] : 1	['why', 'WRB']	: 1	['-1sb-', 'VBG']	: 1
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['depends', 'VBZ'] : 1	['making', 'NN'] ['biologically', 'RB']	: 1	['least', 'JJS']	: 1
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['homepage', 'NNP'] : 1	['thread', 'NN']	: 1	<pre>['picture-sharing', 'JJ']</pre>	: 1
['viewpoint', 'NN'] : 1	['reuse', 'NN']	: 1	['progress', 'NN']	: 1
['argue', 'VBP'] : 1	['jon', 'NNP']	: 1	['access', 'NN']	: 1
['existing', 'JJ'] : 1	['candidate', 'NN']	: 1	['probabilistic', 'JJ']	: 1
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['picture', 'VBP'] : 1	['purpose', 'NN']	: 1	['evolutionism', 'VB']	: 1
['reverse', 'JJ'] : 1	['focuses', 'VBZ']	: 1	['pursuing', 'NN']	: 1
['motor', 'NN'] : 1	['placed', 'VBN']	: 1	['instruction', 'NN']	: 1
['styles', 'NNS'] : 1	['known', 'VBN']	: 1	['nanba', 'NNP']	: 1

Paic:	['abstracted', 'JJ'	: 1	['hotel', 'NN']	: 1 ['as', 'RB']	: 1
	['automation', 'VB'	: 1	['video', 'NNP']	: 1 ['attracted', 'VBN']	: 1
Non-dimensional : [JJJ] magnetic : [JJJ] child : [NNP] desirable : [CD] dynasty : [NNP] four : [CD] crelationships : [NNS] physiological : [VJJ] relationships : [NNS] presents : [VZ] under : [NN] presents : [VZ] under : [VNI] summarlzes : [VSZ] regional : [VJ] connects : [VSZ] reqional : [VJ] connects : [VNS] human-machine : [VJ] summarlzed : [VNS] human-machine : [VJ] summarlzed : [VNS] understain : [VJ] sultion : [NNS] enhance : [VB] mackov : [NN] understandshilty : [NN] exen : [NN] lesigning : [VEG] new : [JJ] prigmarism : [VR] exen : [VN] evolutionism : [NN] exen : [VN]					
child : [NNP] desirable : [157] cdynasty : [NNP] consists : [VEZ] celationships : [NNS] change : [VEZ] segments : [NNS] presents : [VEZ] summarizer : [NN, 'NNP', 'NNP', 'VB'] emerged : [VEZ] summarizer : [VIJ'] connects : [VEZ] every : [VIJ'] updates : [NNS'] summarizer : [VIJ'] summarizer : [VINF] every : [VIJ'] updates : [VNS] sumarized : [VINF] emerged : [VNS] uncertain : [UJ'] space : [VNN] uncertain : [UJ'] solution : [NNP] uncertain : [UNI] solution : [VNN] phones : [UNI] concise : [UJ'] silest : [UNI] concise : [UJ'] silest : [UNI] selected : [UNI] silest : [UNI] selected		: ['VBN']	writings	: ['NNS']	
dynasty ['NNP'] four : ['CD'] relationships : ['NNS'] physiological : ['USZ'] seqments : ['NNS'] presents : ['VSZ'] under : ['IN'] summarizes : ['VSZ'] summarizer : ['NN', 'NNP', 'VB'] emerged : ['VSZ'] every : ['PS'] updates : ['NNS] human-machine : ['JJ'] summarized : ['NNS] human-machine : ['JJ'] summarized : ['NNS] enhance : ['V3] subtion : ['NNP'] enhance : ['NNS] dizect : ['NNP'] phones : ['NNS] dizect : ['NNP'] phones : ['NNS] dizect : ['NNP'] understandshity : ['NN] selected : ['VSN'] pragmatism : ['NNS'] seven : ['NNP'] designing : ['VSC'] new : ['JJ'] evolutionism : ['NS'] seven : ['NNS'] evolutionism				: ['JJ']	
erkan ['NRE'] consists ['VEZ'] relationships : ['NRS'] physiological : ['VBZ'] segments : ['NRS'] presents : ['VBZ'] under : ['NR'] summarizes : ['VBZ'] summarizer : ['NR'] emerged : ['VBZ'] every : ['D'] connects : ['VBZ'] every : ['D'] solution : ['NNS'] uncartain : ['JJ'] solution : ['NNF'] every : ['JJ'] solution : ['NNF'] uncartain : ['JJ'] solution : ['NNF'] exhance : ['JJ'] solution : ['NNF'] undifying : ['JJ'] condise : ['JJ'] unlifying : ['NNF']					
relationships : ['NNS']					
segments					
under : ['IN', 'NNF', 'VB'] summarizes : ['VBD'] regional : ['JJ'] connects : ['VBD'] every : ['DI'] summarized : ['NNF'] human-machine : ['JJ'] summarized : ['NBP'] uncertain : ['JJ'] summarized : ['NNF'] enhance : ['WB'] markov : ['NNP'] unifying : ['INS'] direct : ['JJ'] phones : ['NNS'] direct : ['JJ'] likely : ['RB'] chen : ['NNP'] machines : ['NNS'] even : ['RB'] understandability : ['NNS'] even : ['RB'] pragmatism : ['VBZ', 'NN'] above : ['JJ'] resigning : ['VBZ, 'NN'] above : ['JJ'] ret : ['NNF'] prowing : ['VBZ'] ret : ['NNF'] prowing : ['VBZ'] china : ['NNF'] prowing : ['NNF'] represented : ['NNF'	relationships		physiological		
### ### ### ### ### ### ### ### ### ##	segments	: ['NNS']	presents	: ['VBZ']	
regional : ['JJ'] connects : ['YBZ'] kuman-machine : ['JJ'] summarized : ['YBN', 'YBD', 'YBG'] kuman-machine : ['JJ'] solution : ['NNP'] enhance : ['YB'] markov : ['NNP'] enhance : ['NB'] markov : ['NNP'] phones : ['NNS'] direct : ['JJ'] phones : ['NNS'] direct : ['JJ'] likely : ['NNS'] cen : ['NBP'] machines : ['NNS'] even : ['NBP'] understandability : ['NNN'] selected : ['YBN'] pragmatism : ['YBC', 'NNN'] shove : ['JJ', 'NNP'] designing : ['YBC'] new : ['JJ', 'NNP'] designing : ['NNN', 'JJ'] consisting : ['YBG'] evolutionism : ['NNN', 'JJ', 'NN'] notions : ['NNS'] evolutionism : ['NNN', 'JJ', 'VBP'] pursuit : ['NNN', 'VB'] represented : ['VBN', 'JJ', 'VBP'] obtained : ['VBN'] museums : ['NNN', 'WF'] electricity : ['NNN'] museums : ['NNN'] electricity : ['NNN'] museums : ['NNN'] electricity : ['NNN'] pursuit : ['NNN'] museums : ['NNN'] suitable : ['JJ', 'NNP'] echanges : ['NBP'] projection : ['NNN'] classification : ['NN', 'NNP', 'JJ'] psychological : ['JJ', 'NNP'] browsen : ['NBP'] museum : ['NNP'] browsen : ['NBP'] potetion : ['NNN'] therefore : ['NBP'] plot : ['NNP'] hahn : ['NNP'] separated : ['NN', 'UB'] hahn : ['NNP'] museum : ['NNP'] hahn : ['NNP'] me : ['YBP'] haps : ['CD'] haps : ['CD']				: ['VBZ']	
every : ['DT'] updates : ['NNS'] human-machine : ['JJ'] sumarized : ['WN'] uncertain : ['JJ'] solution : ['NN'] enhance : ['WB'] markov : ['NNP'] unifying : ['JJ'] conorise : ['JJ'] phones : ['NNS'] direct : ['JJ'] likely : ['RB'] chen : ['NNP'] machines : ['NNS'] even : ['NB'] understandability : ['NNS'] selected : ['WB'] pragmatism : ['NEW,'NN'] selected : ['WB'] pragmatism : ['VEZ,'NN] above : ['JJ'] designing : ['NB','JJ'] ene : ['JJ'] net : ['NB','WB','NN'] new : ['JJ','NNF'] china : ['NB','WB','JJ','WB'] pursit : ['NB','WB'] china : ['NB','WB','JJ','WB'] pursit : ['NB','WB','WB'] study : ['NB','WB','WB','WB'] electricity : ['NB','WB','WB','WB','WB','WB'		: ['NN', 'NNP', 'VB']	emerged	: ['VBD']	
human-machine : ['JJ'] summarized : ['VBN', 'VBD', 'VBG'] uncertain : ['JJ'] solution : ['NB'] enhance : ['VB'] markov : ['NBP'] unifying : ['JJ'] concise : ['JJ'] phones : ['NBS'] direct : ['JJ'] likely : ['RB'] chen : ['NBP'] machines : ['NNT'] even : ['RB'] understandability : ['NNT'] even : ['YBN'] pragmatism : ['VBG'] new : ['JJ'] designing : ['VBG'] new : ['JJ'] net : ['NNT'] consisting : ['VBG'] evolutionism : ['NNT', JJ'] consisting : ['VBG'] represented : ['NNT', 'JJ'] vBotions : ['NNT'] represented : ['NNT', 'J'] changed : ['VBN'] prowsing : ['NNT'] changed : ['VBN'] prowsing : ['NNT'] suitable : ['JJ', 'NNP'] cla	regional	: ['JJ']	connects		
uncertain : ['JJ'] solution : ['NN'] enhance : ['VB'] markov : ['NNP'] unifying : ['JJ'] concise : ['JJ'] phones : ['NNS'] direct : ['JJ'] likely : ['RB'] chen : ['NNP'] machines : ['NNS'] even : ['RB'] understandability : ['NNI'] selected : ['VBN'] pragmatism : ['VEZ', 'NN'] above : ['JJ'] net : ['NN', 'VB'] ne : ['JJ'] net : ['NN', 'VB'] ne : ['VBS'] evolutionism : ['NF', 'NI'] nosisting : ['VBS'] china : ['NF', 'VB', 'NI'] notions : ['NNS'] china : ['NNF', 'JJ', 'VBD'] obtained : ['VBN'] study : ['NNF', 'VB'] pursuit : ['NN'] museums : ['NN', 'NS'] advantages : ['NN'] provising : ['NN'] advantages : ['NN'] classification	<u> </u>		<u>-</u>		
enhance : ['UB'] markov : [NNE'] unifying : ['JJ'] concise : ['JJ'] phones : ['NNS'] direct : ['JJ'] likely : ['RE'] chen : ['NNE'] machines : ['NNS'] even : ['RE'] understandability : ['NN'] selected : ['VBN'] pragmatism : ['VBC'] new : ['JJ'] designing : ['VBC'] new : ['JB'] evolutionism : ['RB', 'VB', 'NN'] notions : ['NNB'] cvolutionism : ['NNP'] pursuit : ['NNB'] cvolutionism : ['RB', 'VB', 'NN'] notions : ['NNB'] cvolutionism : ['NNP'] pursuit : ['NNB'] cvolutionism : ['NNP'] notions : ['NNB'] cvolutionism : ['NNP'] pursuit : ['NNB'] cvolutionism : ['NNP'] obtained : ['NNB'] structure : ['NNP'] obtained : ['NNB'] stru	human-machine	: ['JJ']		: ['VBN', 'VBD', 'VBG']	
unifying : ['JJ'] concise : ['JJ'] phones : ['NNS'] direct : ['JJ'] likely : ['NNS'] chen : ['NNP'] machines : ['NNS'] even : ['FB'] understandability : ['WEZ', 'NN'] above : ['JJ'] designing : ['WEZ', 'NN'] above : ['JJ'] net : ['NN', 'JJ'] consisting : ['WEG'] net : ['NN', 'NP'] notions : ['NNS'] cvolutionism : ['NN', 'VB'] notions : ['NNS'] cvolutionism : ['NN'] pursuit : ['NN', 'VB'] cvolutionism : ['NN'] pursuit : ['NN', 'VB'] cvolutionism : ['NNP'] consisting : ['NS'] cvolutionism : ['NN', 'NN'] consisting : ['NS'] <td>uncertain</td> <td>: ['JJ']</td> <td>solution</td> <td></td> <td></td>	uncertain	: ['JJ']	solution		
Description	enhance	: ['VB']	markov	: ['NNP']	
Likely : ['RB'] chen : ['NNP'] machines : ['NNS'] even : ['RB'] understandability : ['NN'] selected : ['UBN'] pragmatism : ['VBZ', 'NN'] above : ['JJ'] designing : ['VBG'] new : ['JJ', 'NNP'] net : ['NN', 'JJ'] consisting : ['VBG'] evolutionism : ['NNF'] notions : ['NNF'] china : ['NNF'] pursuit : ['NNF'] china : ['NNF'] obtained : ['NNF'] study : ['NNF'] obtained : ['NNF'] museums : ['NNS'] obtained : ['NNF'] museums : ['NNF'] advantages : ['NNF'] pbrowsing : ['NNF'] advantages : ['NNF'] changes : ['NNF'] suitable : ['JJ', 'NNP'] chassification : ['NN', 'NPP, 'JJ'] explained : ['NN'] browse : ['VB'] m. : ['NNP'] browse <td>unifying</td> <td>: ['JJ']</td> <td></td> <td>: ['JJ']</td> <td></td>	unifying	: ['JJ']		: ['JJ']	
machines : ['NNs'] even : ['Re'] understandability : ['NN'] selected : ['VBr'] pragmatism : ['VBc'] new : ['JJ'] designing : ['VBc'] new : ['JJ'] evolutionism : ['RB', 'VB', 'NN'] notions : ['NNs'] evolutionism : ['RB', 'VB', 'NN'] notions : ['NNs'] china : ['NNF', 'VB'] pursuit : ['NNs'] china : ['NNF', 'JJ', 'VBD'] obtained : ['VBN'] study : ['NN, 'VB'] obtained : ['VBN'] study : ['NN, 'VB'] changed : ['VBN'] study : ['NN, 'VB'] changed : ['VBN'] study : ['NN'] electricity : ['NN'] browsing : ['NN'] advantages : ['NNS'] browsing : ['NN'] suitable : ['JJ', 'NNP'] changes : ['YB'] projection : ['NN'] classification : ['NN', 'NP', 'JJ'] explained : ['YBD'] <td>phones</td> <td>: ['NNS']</td> <td>direct</td> <td>: ['JJ']</td> <td></td>	phones	: ['NNS']	direct	: ['JJ']	
understandability : ['NN'] selected : ['VEN'] pragmatism : ['VBG'] new : ['JJ'] net : ['NN', 'JJ'] consisting : ['VBG'] net : ['NN', 'JJ'] notions : ['NNS'] china : ['NNP'] notions : ['NNS'] represented : ['VBM', 'JJ', 'VBD'] obtained : ['VBM'] study : ['NN', 'VB'] changed : ['VBN'] museums : ['NNS'] electricity : ['NN'] browsing : ['NN'] advantages : ['NNS'] changes : ['VBZ'] projection : ['NN'] classification : ['NNP', 'NNP', 'JJ'] explained : ['VBD'] replace : ['NNP'] plot : ['NN'] stern : ['NNP'] plot : ['NN'] browse : ['VB'] music : ['NN'] negative : ['JJ'] music : ['NNP'] hahn : ['NNP'] yahoo : ['NNP'] phone : ['NNP'] yahoo : ['NNP'] phone : ['NNP'] me : ['NNP'] plot	likely	: ['RB']	chen	: ['NNP']	
pragmatism	machines	-	even		
designing : ['VBG'] new : ['JJ', 'NNP'] net : ['NN', 'JJ'] consisting : ['VBG'] evolutionism : ['RB', 'VB', 'NN'] notions : ['NNS'] china : ['NNP'] pursuit : ['NNS'] represented : ['VBN', 'VB'] obtained : ['VBN'] study : ['NN, 'VB'] changed : ['VBN'] museums : ['NNS'] electricity : ['NN'] browsing : ['NNP'] electricity : ['NN'] zubiaga : ['NNP'] suitable : ['JJ', 'NNP'] changes : ['VBZ'] projection : ['NN'] classification : ['NN', 'NNP', 'JJ'] explained : ['NN'] replace : ['VB'] psychological : ['JJ'] stern : ['NNP'] plot : ['NN'] browse : ['YB'] m. : ['NN'] therefore : ['RB'] rationalism : ['NN'] than : ['NNP'] phone : ['NN']	understandability	: ['NN']	selected	: ['VBN']	
net : ['NN', 'JJ'] consisting : ['Yeg'] evolutionism : ['RB', 'VB', 'NN'] notions : ['NNS'] china : ['NP'] pursuit : ['NB'] represented : ['VEN', 'JJ', 'VBD'] obtained : ['VBN'] study : ['NN', 'VB'] changed : ['VBN'] study : ['NNS'] changed : ['NN'] browsing : ['NN'] advantages : ['NNS'] zubiaga : ['NNP'] suitable : ['JJ', 'NNP'] changes : ['NNP'] projection : ['NN'] changes : ['NN', 'NNP', 'JJ'] explained : ['VBD'] replace : ['NN', 'NNP', 'JJ'] explained : ['VBD'] replace : ['WB'] psychological : ['JJ'] browse : ['VB'] m. : ['NNP'] browse : ['VB'] m. : ['NNP'] therefore : ['RB'] rationalism : ['NNP'] phone : ['NN'] qazvinian : ['NNP']	pragmatism	: ['VBZ', 'NN']	above	: ['JJ']	
evolutionism : ['NB'] 'VB', 'NN'] notions : ['NNN', 'VB'] china : ['NNP'] pursuit : ['NN', 'VB'] represented : ['VBN', 'VB'] obtained : ['VBN'] study : ['NN', 'VB'] changed : ['VBN'] museums : ['NNS'] electricity : ['NN'] browsing : ['NN'] advantages : ['NNS'] zubiaga : ['NNP'] suitable : ['JJ', 'NNP'] changes : ['VB'] projection : ['NN'] classification : ['NN', 'NNP', 'JJ'] explained : ['VBD'] replace : ['NNP', 'JJ'] explained : ['JJ'] stern : ['NNP'] psychological : ['JJ'] stern : ['NNP'] psychological : ['NNP'] negative : ['NNP'] m. : ['NNP'] negative : ['JJ'] music : ['NN', 'VB'] type : ['NN'] separated : ['NN', 'VB'] phan : ['NNP'] electricity : ['NNP']<	designing	: ['VBG']	new	: ['JJ', 'NNP']	
china : ['NNP'] pursuit : ['NN', 'VB'] represented : ['VBN', 'JJ', 'VBD'] obtained : ['VBN'] study : ['NNS'] changed : ['VBN'] museums : ['NNS'] electricity : ['NN'] browsing : ['NNP'] advantages : ['NNS'] zubiaga : ['NNP'] suitable : ['JJ', 'NNP'] changes : ['VBZ'] projection : ['NN] classification : ['NNP', 'NJ'] explained : ['VBD'] replace : ['NNP', 'NP', 'JJ'] explained : ['VBD'] stern : ['NNP'] plot : ['NN'] browse : ['VB'] m. : ['NNP'] negative : ['JJ'] music : ['NNP'] therefore : ['RB'] rationalism : ['NNI', 'VB'] type : ['NN'] yahoo : ['NNP'] phone : ['NNP'] qazvinian : ['NNP'] uzzaman : ['NNP'] me : ['PRP'] 1993 <td>net</td> <td>: ['NN', 'JJ']</td> <td></td> <td>: ['VBG']</td> <td></td>	net	: ['NN', 'JJ']		: ['VBG']	
represented : ['VBN', 'VJJ', 'VBD']	evolutionism	: ['RB', 'VB', 'NN']	notions	: ['NNS']	
study : ['NN', 'VB'] changed : ['VEN'] museums : ['NNS'] electricity : ['NN'] browsing : ['NNP'] advantages : ['NNS'] zubiaga : ['NNP'] suitable : ['JJ', 'NNP'] changes : ['VEZ'] projection : ['NN'] classification : ['NNP', 'NNP', 'JJ'] explained : ['VBD'] replace : ['VB'] psychological : ['JJ'] stern : ['NNP'] plot : ['NNP'] browse : ['VB'] m. : ['NNP'] browse : ['JJ'] music : ['NNP'] therefore : ['RB'] rationalism : ['NNP'] type : ['NN'] separated : ['JJ'] hahn : ['NNP'] yahoo : ['NNP'] continual : ['JJ'] hold : ['VB'] uzzaman : ['NNP'] me : ['PRP'] 1993 : ['CD'] 1996 : ['CD']	china		pursuit	: ['NN', 'VB']	
museums : ['NNS'] electricity : ['NN'] browsing : ['NN'] advantages : ['NNS'] zubiaga : ['NP'] suitable : ['JJ', 'NNP'] changes : ['VBz'] projection : ['NN'] classification : ['NN', 'NNP', 'JJ'] explained : ['VBD'] replace : ['NN', 'NNP', 'JJ'] psychological : ['JJ'] stern : ['NNP'] plot : ['NNP'] browse : ['VB'] m. : ['NNP'] negative : ['JJ'] music : ['NNP'] type : ['RB'] rationalism : ['NN', 'VB'] type : ['NN'] separated : ['JJ'] hahn : ['NNP'] yahoo : ['NNP'] phone : ['NNP'] qazvinian : ['NNP'] continual : ['NP'] hold : ['PRP'] 1993 : ['CD'] 1995 : ['CD'] 1996 : ['CD'] : ['CD']	represented		obtained	: ['VBN']	
browsing : ['NNP'] advantages : ['NNS'] zubiaga : ['NNP'] suitable : ['JJ', 'NNP'] changes : ['VEZ'] projection : ['NN'] classification : ['NN', 'NNP', 'JJ'] explained : ['VBD'] replace : ['VB'] psychological : ['JJ'] stern : ['NNP'] plot : ['NNP'] browse : ['VB'] m. : ['NNP'] negative : ['JJ'] music : ['NNP'] therefore : ['RB'] rationalism : ['NN', 'VB'] type : ['NN'] separated : ['JJ'] hahn : ['NNP'] yahoo : ['NNP'] phone : ['NN'] qazvinian : ['NNP'] continual : ['JJ'] hold : ['VB'] uzzaman : ['NNP'] me : ['PRP'] 1993 : ['CD'] 1995 : ['CD']	study	: ['NN', 'VB']	changed	: ['VBN']	
zubiaga : ['NNP'] suitable : ['JJ', 'NNP'] changes : ['VBZ'] projection : ['NN'] classification : ['NN', 'NNP', 'JJ'] explained : ['VBD'] replace : ['NNP'] psychological : ['JJ'] stern : ['NNP'] plot : ['NNP'] browse : ['VB'] m. : ['NNP'] negative : ['JJ'] music : ['NNP'] therefore : ['RB'] rationalism : ['NN', 'VB'] type : ['NNP'] separated : ['JJ'] hahn : ['NNP'] yahoo : ['NNP'] phone : ['NN'] qazvinian : ['NNP'] uzzaman : ['NNP'] me : ['PRP'] 1993 : ['CD'] 1995 : ['CD'] 1997 : ['CD'] 1996 : ['CD']	museums	: ['NNS']	electricity	: ['NN']	
changes : ['VBZ'] projection : ['NN'] classification : ['NN', 'NNP', 'JJ'] explained : ['VBD'] replace : ['VB'] psychological : ['JJ'] stern : ['NNP'] plot : ['NNP'] browse : ['VB'] m. : ['NNP'] negative : ['JJ'] music : ['NN'] therefore : ['RB'] rationalism : ['NN', 'VB'] type : ['NNP'] separated : ['JJ'] hahn : ['NNP'] yahoo : ['NNP'] phone : ['NNP'] qazvinian : ['NNP'] continual : ['JJ'] hold : ['VB'] uzzaman : ['NNP'] me : ['PRP'] 1993 : ['CD'] 1995 : ['CD'] 1997 : ['CD'] 1996 : ['CD']	browsing	: ['NN']	advantages	: ['NNS']	
classification : ['NN', 'NNP', 'JJ'] explained : ['VBD'] replace : ['VB'] psychological : ['JJ'] stern : ['NNP'] plot : ['NNP'] browse : ['VB'] m. : ['NNP'] negative : ['JJ'] music : ['NN'] therefore : ['RB'] rationalism : ['NN', 'VB'] type : ['NNP'] separated : ['JJ'] hahn : ['NNP'] yahoo : ['NNP'] phone : ['NN'] qazvinian : ['NNP'] continual : ['JJ'] hold : ['VB'] uzzaman : ['NNP'] me : ['PRP'] 1993 : ['CD'] 1995 : ['CD'] 1997 : ['CD'] 1996 : ['CD']	zubiaga	: ['NNP']	suitable	: ['JJ', 'NNP']	
replace : ['VB']	changes		projection	: ['NN']	
stern : ['NNP'] plot : ['NNP'] browse : ['VB'] m. : ['NNP'] negative : ['JJ'] music : ['NN'] therefore : ['RB'] rationalism : ['NN', 'VB'] type : ['NNP'] separated : ['JJ'] hahn : ['NNP'] yahoo : ['NNP'] phone : ['NN'] qazvinian : ['NNP'] continual : ['JJ'] hold : ['VB'] uzzaman : ['NNP'] me : ['PRP'] 1993 : ['CD'] 1995 : ['CD'] 1997 : ['CD'] 1996 : ['CD']					
browse : ['VB'] m. : ['NNP'] negative : ['JJ'] music : ['NN'] therefore : ['RB'] rationalism : ['NN', 'VB'] type : ['NNP'] separated : ['JJ'] hahn : ['NNP'] yahoo : ['NNP'] phone : ['NN'] qazvinian : ['NNP'] continual : ['JJ'] hold : ['VB'] uzzaman : ['NNP'] me : ['PRP'] 1993 : ['CD'] 1996 : ['CD'] 1997 : ['CD'] 1996 : ['CD']	replace	: ['VB']		: ['JJ']	
negative : ['JJ'] music : ['NN'] therefore : ['RB'] rationalism : ['NN', 'VB'] type : ['NN'] separated : ['JJ'] hahn : ['NNP'] yahoo : ['NNP'] phone : ['NN'] qazvinian : ['NNP'] continual : ['JJ'] hold : ['VB'] uzzaman : ['NNP'] me : ['PRP'] 1993 : ['CD'] 1995 : ['CD'] 1997 : ['CD'] 1996 : ['CD']	stern	: ['NNP']	plot	: ['NN']	
therefore : ['RB'] rationalism : ['NN', 'VB'] type : ['NN'] separated : ['JJ'] hahn : ['NNP'] yahoo : ['NNP'] phone : ['NN'] qazvinian : ['NNP'] continual : ['JJ'] hold : ['VB'] uzzaman : ['NNP'] me : ['PRP'] 1993 : ['CD'] 1995 : ['CD'] 1997 : ['CD'] 1996 : ['CD']	browse	: ['VB']	m.	: ['NNP']	
type : ['NN'] separated : ['JJ'] hahn : ['NNP'] yahoo : ['NNP'] phone : ['NN'] qazvinian : ['NNP'] continual : ['JJ'] hold : ['VB'] uzzaman : ['NNP'] me : ['PRP'] 1993 : ['CD'] 1996 : ['CD'] 1997 : ['CD'] 1996 : ['CD']					
hahn : ['NNP'] yahoo : ['NNP'] phone : ['NN'] qazvinian : ['NP'] continual : ['JJ'] hold : ['VB'] uzzaman : ['NNP'] me : ['PRP'] 1993 : ['CD'] 1995 : ['CD'] 1997 : ['CD'] 1996 : ['CD']	therefore	: ['RB']	rationalism	: ['NN', 'VB']	
phone : ['NN'] qazvinian : ['NNP'] continual : ['JJ'] hold : ['VB'] uzzaman : ['NNP'] me : ['PRP'] 1993 : ['CD'] 1995 : ['CD'] 1997 : ['CD'] 1996 : ['CD']	type				
continual : ['JJ'] hold : ['VB'] uzzaman : ['NNP'] me : ['PRP'] 1993 : ['CD'] 1995 : ['CD'] 1997 : ['CD'] 1996 : ['CD']	hahn	: ['NNP']	yahoo	: ['NNP']	
uzzaman : ['NNP'] me : ['PRP'] 1993 : ['CD'] 1995 : ['CD'] 1997 : ['CD'] 1996 : ['CD']	phone	: ['NN']	qazvinian	: ['NNP']	
1993 : ['CD'] 1995 : ['CD'] 1996 : ['CD']	continual	: ['JJ']	hold	: ['VB']	
1997 : ['CD'] 1996 : ['CD']	uzzaman	: ['NNP']		: ['PRP']	
1999 • ['cn'] 1998 • ['cn']					
· [CD]	1999	: ['CD']	1998	: ['CD']	

Titi IIIB_Tiprogramizonpoole			
work	: ['NN']	theories	: ['NNS']
movies	: ['NNS']	itself	: ['PRP']
concepts	: ['NNS']	example	: ['NN']
wang	: ['NNP']	indicated	: ['VBD', 'VBN']
give	: ['VB']	cited	: ['VBD', 'VBN']
organized	: ['VBN']	involve	: ['VBP']
indicates	: ['VBZ']	reviewing	: ['VBG']
feasible	: ['JJ']	attract	: ['VB']
cites	: ['VBZ']	guarantee	: ['NN']
end	: ['NN', 'VBP']	worldview	: ['NN']
provide	: ['VB', 'VBP']	feature	: ['VB', 'NN']
machine	: ['VB', 'NN']	how	: ['WRB']
methodology	: ['NN', 'NNP']	writers	: ['UH', 'NNS', 'NNP']
classify	: ['VB']	cyberspace	: ['NN', 'NNP']
abstraction	: ['NN', 'VBG', 'NNP']	transforming	: ['VBG']
after	: ['IN']	summarize	: ['VB', 'JJ']
meaningful	: ['JJ']	types	: ['NNS']
attempt	: ['NN']	neglect	: ['VBZ']
greek	: ['JJ']	complexity	: ['NN']
order	: ['NN']	wind	: ['NN']
operations	: ['NNS', 'NNP']	emotion	: ['NN']
over	: ['IN', 'RB']	vary	: ['VBP']
satisfied	: ['JJ', 'VBN']	1-10	: ['CD']
innovative	: ['JJ']	satisfies	: ['VBZ']
nets	: ['NNS']	before	: ['IN', 'RB']
personal	: ['JJ', 'NN']	writing	: ['NN', 'VBG']
better	: ['JJR', 'RBR']	production	: ['NN']
hidden	: ['VBN']	carton	: ['NN']
easier	: ['JJR']	then	: ['RB']
them	: ['PRP']	enrich	: ['VBP']
break	: ['VB']	effects	: ['NNS']
they	: ['PRP']	represents	: ['VBZ', 'IN']
grammar	: ['NN']	classified	: ['VBN', 'JJ']
reasonable	: ['JJ']	each	: ['DT']
classifies	: ['VBZ']	series	: ['NN']
principles	: ['NNS']	upload	: ['NN']
literature	: ['NN']	clauses	: ['NNS']
extract	: ['VB']	reused	: ['VBN']
network	: ['NN', 'NNP']	cameras	: ['NNS']
content	: ['NN']	encourage	: ['VB']
adapt	: ['VB']	reader	: ['NN', 'VB']
xu	: ['NN', 'NNP']	foundation	: ['NN']
linear	: ['JJ']	free	: ['JJ']
tian	: ['NNP']	management	: ['NN']
formation	: ['NN']	detecting	: ['VBG']
silent	: ['JJ']	bates	: ['NNP']
concept-level	: ['JJ']	viewing	: ['VBG']
incorporated	: ['VBN']	user	: ['NN']
organize	: ['VB', 'JJ']	social/individual	: ['NN']

Tim tilb_riprogramiteonpoore	_ relation the equation to the text			2010-17110H 0:11
features	: ['NNS']	render	: ['VBP', 'VB', 'NN']	
rank	: ['NN', 'VB']	channels	: ['NNS']	
another	: ['DT']	wind-rose	: ['JJ']	
navigator	: ['NN']	similarly	: ['RB']	
needed	: ['VBN']	hypothetical	: ['JJ']	
recent	: ['JJ']	tool	: ['NN']	
inexact	: ['JJ']	target	: ['NN']	
roles	: ['NNS']	1978	: ['CD']	
tree	: ['NN']	classes	: ['NNS']	
speaking	: ['VBG']	historical	: ['JJ']	
enables	: ['VBZ']	extracting	: ['VBG', 'JJ']	
bridge	: ['NN']	fashion	: ['NN']	
behavior	: ['NN', 'JJ']	exploring	: ['VBG']	
modern	: ['NNP']	mind	: ['NN']	
rau	: ['NNP']	seen	: ['VBN']	
regulate	: ['VB']	tells	: ['VBZ']	
contents	: ['NNS']	1969	: ['CD']	
1966	: ['CD']	responsible	: ['JJ']	
1960	: ['CD']	1961	: ['CD']	
recommended	: ['VBN']	brandow	: ['NNP']	
effectiveness	: ['NN']	established	: ['VBN']	
scripts	: ['NNS']	self-complete	: ['JJ']	
medical	: ['JJ']	flow	: ['NN']	
points	: ['NNS']	principle	: ['NNP', 'NN']	
notion	: ['NN']	incorporate	: ['VB']	
inspire	: ['VB']	attempts	: ['VBZ']	
solutions	: ['NNS']	maccarthy	: ['NNP']	
keywords	: ['NNS']	latent	: ['JJ']	
proposed	: ['VBN']	explain	: ['VBP', 'VB']	
summarizing	: ['VBG', 'JJ']	rich	: ['JJ']	
pursuing	: ['VBG', 'NN']	salton	: ['NNP']	
do	: ['VBP', 'VB']	dj	: ['NN']	
establishes	: ['VBZ']	di	: ['IN']	
prefaces	: ['NNS']	idioms	: ['NNS']	
architecture	: ['NN']	automatic	: ['JJ', 'NNP']	
reference	: ['NN']	habit	: ['NN']	
peripheral	: ['JJ']	depends	: ['VBZ']	
radius	: ['NNS']	projections	: ['NNS']	
correlational	: ['JJ']	techniques	: ['NNS']	
lenat	: ['NNP']	wikipedia	: ['NNP']	
artificial	: ['JJ']	continually	: ['RB']	
unable	: ['JJ']	cooperation	: ['NN']	
approach	: ['NN']	discovery	: ['NN']	
we	: ['PRP']	extend	: ['VB']	
nature	: ['NN']	smelled	: ['VBD']	
however	: ['RB']	news	: ['NN']	
improve	: ['VB']	adapting	: ['NNP']	
psychologists	: ['NNS']	biologically	: ['RB']	
readers	: ['NNS']	facet	: ['JJ']	
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The mb_reprogram compositor	rotation.tri oquonootti i rooomat		2010-1-11 10-11
games	: ['NNS']	logic	: ['NN']
requests	: ['VBD']	argue	: ['VBP']
appeared	: ['VBN']	conference	: ['NN']
engines	: ['NNS']	basis	: ['NN']
union	: ['NN']	simplification	: ['NN']
three	: ['CD']	been	: ['VBN']
quickly	: ['RB']	extraction	: ['NN']
interest	: ['NN', 'VB']	basic	: ['JJ']
expected	: ['VBN']	dynamically	: ['RB']
website	: ['NN']	life	: ['NN']
foucault	: ['NNP']	coherent	: ['JJ']
personally	: ['RB']	halevy	: ['NNP']
air	: ['NN']	information	: ['VB', 'NNP', 'NN']
near	: ['IN']	voice	: ['NN']
reinventions	: ['NNS']	ip	: ['NNP']
is	: ['VBZ']	it	: ['PRP', 'JJ']
grammars	: ['NNS']	experts	: ['NNS']
in	: ['IN', 'RP']	caesar	: ['NNP']
if	: ['IN']	agarwal	: ['NNP']
containing	: ['VBG']	specialization	: ['NN']
things	: ['NNS']	make	: ['VB']
clearly	: ['RB']	beside	: ['IN']
complex	: ['JJ']	evolve	: ['VB']
commonsense	: ['VBN', 'NN', 'JJ']	social	: ['JJ', 'NNP']
hand	: ['NN']	thoughts	: ['NNS']
scenario	: ['NN']	programs	: ['NNS']
1977	: ['CD']	dementhon	: ['NNP']
1975	: ['CD']	ocean	: ['NN']
incapable	: ['JJ']	simulated	: ['JJ']
the	: ['DT', 'NNP']	unified	: ['JJ', 'VBN', 'NNP']
just	: ['RB']	sentence	: ['NN']
proposes	: ['VBZ']	identify	: ['VB']
human	: ['JJ', 'NN', 'NNP']	previous	: ['JJ']
adding	: ['VBG']	unique	: ['JJ']
candidate	: ['NN']	sciences	: ['NNS']
regarded	: ['VBN']	tuples	: ['NNS']
transformed	: ['VBN']	easy	: ['JJ']
technological	: ['JJ']	picture-based	: ['JJ']
has	: ['VBZ']	humanity	: ['NN']
reuse	: ['VBP', 'NN']	possible	: ['JJ']
possibly	: ['RB']	fusion	: ['NN']
unification	: ['NN']	background	: ['NN']
depicts	: ['VBZ']	yager	: ['NNP']
advanced	: ['JJ']	cognitive	: ['NN', 'VB', 'JJ']
unnecessary	: ['JJ']	specific	: ['JJ']
informative	: ['JJ']	steps	: ['VBZ']
security	: ['NN']	right	: ['JJ']
old	: ['JJ']	people	: ['NNS', 'VB']
successfully	: ['NNP']	paragraphs	: ['NNS']
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short-term	: ['JJ']	sociology	: ['NN']	
for	: ['IN']	= =	: ['NNS']	
shakespeare	: ['NNP']		: ['NNP']	
uml	: ['NNP']		: ['NN', 'JJ', 'NNP', 'VB']	
repository	: ['NN']		: ['NNP']	
properties	: ['NNS']	mihalcea	: ['NNP']	
ensure	: ['VB']		: ['NNP']	
efforts	: ['NNS']		: ['RB']	
v.qazvinian	: ['NNP']		: ['NNP']	
combine	: ['VB']		: ['VBG']	
reducing	: ['VBG']	2	: ['RB']	
often	: ['RB']	=	: ['VB']	
compression	: ['NN']	<u>-</u>	: ['VBP']	
transform	: ['VB', 'NNP']		: ['WRB']	
anderson	: ['NNP']		: ['NN']	
was	: ['VBD']		: ['NN', 'VB', 'VBP']	
forming	: ['VBG']		: ['NNS']	
denoting	: ['NN']		: ['NNP']	
incorporation	: ['NN']		: ['JJ']	
devices	: ['JJ', 'NNS']		: ['NNS']	
high-dimensional	: ['JJ']	3	: ['-RRB-']	
abstract	: ['JJ', 'NNS', 'NN']		: ['NN']	
11	: ["'']		: ['VB']	
physical	: ['JJ']		: ['-LRB-']	
locality	: ['NN']		: ['RB']	
reality	: ['NN']	=	: ['JJ']	
role	: ['NN']		: ['JJ']	
shrink	: ['VB']		: ['NN']	
picture	: ['NN', 'VBP']		: ['POS', 'VBZ']	
models	: ['NNP', 'NNS']		: ['VBN']	
uniformly	: ['NNS', 'RB', 'NNP']		: ['NN']	
n.	: ['NNP']		: ['VBP']	
daily	: ['JJ']		: ['NN', 'VB', 'NNP']	
krakauer	: ['NNP']		: ['NN']	
chain	: ['NN']	=	: ['JJ']	
focus	: ['VB', 'NN', 'VBP']	=	: ['NNS']	
displaying	: ['VBG']		: ['NN']	
technique	: ['NN']		: ['NN']	
multi-facet	: ['JJ']		: ['NNS']	
discovering	: ['VBG']		: ['CD']	
advantage	: ['NN']		: ['NNP']	
could	: ['MD']		: ['JJ']	
emphasizes	: ['VBZ']	-	: ['NN']	
emphasized	: ['VBN']		: ['JJ']	
level	: ['NN']		: ['NNS']	
mckeown	: ['NNP']	zoom-in-and-zoom-out		
perceptual	: ['NN']		: ['VBZ']	
three-dimensional	: ['JJ']	-	: ['JJ']	
discover	: ['VB']		: ['NN']	
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ashburner : ['NNP'] appear : ['VB'] current : ['JJ'] relations : ['JJ'] relations : ['JJ'] current : ['JJ'] current : ['JJ'] current : ['NNT']		<u> </u>		
### Shares ['VEE']	ashburner	: ['NNP']	appear	: ['VB', 'VBP']
Current [1,77]	shares			
mattary ['Me']	current		relational	
improvable : ['Ju'] understanding : ['NM', 'VBC'] magnetism : ['NM'] groups : ['NM'] change : ['NM'] studied : ['VIN'] commonly : ['PB'] usually : ['PB'] resonance : ['NM'] studies : ['VIN'] picture-text : ['Ju'] except useful : ['Ju'] additive : ['NB'] useful : ['Ju'] additive : ['NB'] picture-text : ['Ju'] additive : ['NB'] useful : ['VBC'] accept : ['NB'] useful : ['NB'] accept : ['NB'] useful : ['NB'] accept : ['NB'] useful : ['NB'] accept :				
Description	=	: ['JJ']		
change : ['NN']	magnetism			
commonly : ['RB'] usually : ['RB'] resonance : ['NN'] studies : ['WB', 'NNS'] picture-text : ['JJ'] emerge : ['WB', 'WB'] useful : ['JJ'] additive : ['WB', 'WB'] positive : ['MB'] criteria : ['NNS'] encode : ['WB'] scope : ['NN'] encode : ['WB'] sharing : ['WB', 'NN'] clicking : ['WBG'] outputs : ['NNS'] clicking : ['WB'] corresponding : ['MN'] plius : ['NNF'] corresponding : ['MN'] pelieves : ['WB'] cor : ['NN'] portals : ['WB'] cor : ['NN'] portals : ['WB'] top:				
reconance ['NN']				
District Company Com	=			
useful : ['JJ'] additive : ['NNF'] positive : ['JJ'] by : ['NNS'] encode : ['VB'] criteria : ['NNS'] encode : ['VBG'] sharing : ['VBG'] clicking : ['VBG'] outputs : ['NNS'] visual : ['NNF'] car : ['NNS'] pellewes : ['VBZ'] car : ['NNS'] renders : ['VBZ'] can : ['NNS'] following : ['JJ', 'VBG', 'NN'] making : ['NNF', 'VBG'] semi-automatic : ['JJ', 'VBG', 'NN'] making : ['NNF', 'VBG'] portals : ['NNS'] figure : ['NNF', 'NN'] pexpanding : ['YBG'] topic : ['NNF', 'NN'] heard : ['YBG'] topic : ['NNF', 'NN'] kerice : ['NNF', 'VBP'] s. : ['NNF', 'NN'] kerice : ['NNF', 'VBP'] s. : ['NNF', 'VBC', 'VBD'] kerice : ['NNF', 'VBP'] s. : ['NNF', 'VBC', 'VBD']	picture-text			
Dositive ['JJ']	-			
live : ['WB'] criteria : ['NNS'] introducing : ['VBG'] sharing : ['VBG', 'NN'] clicking : ['VBG'] sharing : ['VBG', 'NN'] clicking : ['VBG'] sharing : ['VBG', 'NN'] visual : ['JJ'] corresponding : ['JJ'] pullus : ['NNF] car ['NNS', 'VBG'] peliewes : ['VBZ'] reviews : ['NNS'] renders : ['VBZ'] can : ['YBG'] following : ['JJ', 'VBG', 'NN'] making : ['NN', 'VB', 'VBG'] semi-automatic : ['JJ', 'VBG', 'NN'] making : ['NNF', 'VBG'] sepanding : ['VBG'] cad : ['NNF'] portals : ['NNS'] figure : ['NNF', 'NN'] heard : ['VBG'] topic : ['NNF', 'JJ'] heard : ['VBG'] pre-defined : ['JJ'] heard : ['VBG'] watching : ['VBG'] write : ['VB', 'VBF'] s. : ['NNF'] explores : ['NNS'] watching : ['VBG'] write : ['VB', 'VBF'] s. : ['NNF'] explores : ['NNS'] huge : ['JJ'] produce : ['NNS'] huge : ['JJ'] produce : ['VBG'] such : ['JJ'] data : ['NNS', 'NN'] man : ['NNS'] designed : ['VBG'] data : ['NNS', 'NN'] man : ['NN'] filent : ['JJ', 'VBT'] s. ('VBG') statistical : ['JJ'] so : ['VBG'] statistical : ['JJ'] seeing : ['VBG'] statistical : ['JJ'] mainly : ['VBG'] statistical : ['JJ'] mainly : ['VBG'] happened : ['VNN'] man : ['NNS'] happened : ['VNN'] man : ['NNS'] happened : ['VNN'] man : ['NNS'] happened : ['NNS'] matches : ['VBE'] happened : ['VNN'] man : ['VNN'] happened : ['VNN'] man : ['VNN'] happened : ['VNN'] man : ['VNN'] happened : ['VNN'] matches : ['VNS']				
encode	live			
introducing : ['VBG'] shating : ['VBG', NN'] clicking : ['VBG'] outputs : ['NN'] visual : ['JJ] corresponding : ['NN'] peliewes : ['NNP'] car : ['NN'] beliewes : ['VBZ'] reviews : ['NNB'] renders : ['VBZ'] can : ['NNP'] following : ['VJI'] vext : ['NNP'] semi-automatic : ['JJ'] cad : ['NNP'] semi-automatic : ['NNS'] requirements : ['NNS'] semi-automatic : ['NNS'] rigure : ['NNP'] semi-automatic : ['NNS'] rigure : ['NNP'] semi-automatic : ['NNS'] rigure : ['NNP'] semi-automatic : ['NNS'] requirements : ['NNS'] sexplanding : ['VBC'] vext : ['NNS'] requirements : ['NNS'] vext : ['NNS'] review : ['NNS'] sext : ['NNS'] reconomay	encode		scope	
Clicking ['VBC']	introducing			
visual : ['JJ'] corresponding : ['JJ'] believes : ['NEZ'] reviews : ['NNS'] renders : ['VBZ'] can : ['MD'] following : ['JJ', 'VBG', 'NN'] making : ['NN', 'VB', 'VBG'] semi-automatic : ['JJ'] cad : ['NNP'] portals : ['NNS'] figure : ['NNP', 'NN'] expanding : ['VBG'] topic : ['NNP', 'JJ'] heard : ['VBG'] pre-defined : ['JJ', 'JJ'] requirements : ['NNS'] watching : ['VBG'] requirements : ['NNS'] watching : ['VBG'] reconomy : ['NN'] s. : ['NNP'] explores : ['NN'] applications : ['NNS'] may : ['MP'] applications : ['NNS'] improving : ['VBG'] such : ['VBT'] data : ['NNS', 'NN'] man : ['NN'] netural : ['NNS'] see : ['NNT'] ilemms				
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believes : ['VBZ'] reviews : ['NNS'] renders : ['VBZ'] can : ['MD'] following : ['JJ', 'VBG', 'NN'] making : ['NNP', 'VBG', 'VBG'] semi-automatic : ['JJ'] cad : ['NNP'] portals : ['NNS'] topic : ['NNP', 'NN'] expanding : ['VBG'] topic : ['NN', 'JJ'] heard : ['VBD'] pre-defined : ['JJ'] requirements : ['NNS'] watching : ['WBG'] write : ['VB'] watching : ['WBG'] write : ['WN'] suching : ['NNP'] economy : ['NN'] huee : ['JJ', 'VBZ', 'VBZ', 'VBD'] explores : ['WB'] huee : ['JJ', 'VBZ', 'VBZ', 'VBZ'] may : ['MN'] applications : ['NNS'] improving : ['WB'] such : ['JJ', 'PDT'] data : ['NNS', 'NN'] man : ['NN'] lemmas : ['NNS', 'WBZ', 'NN'] seeing : ['NBZ']	julius			
renders : ['VBZ'] can : ['MD'] following : ['JJ', 'VBG', 'NN'] making : ['NN', 'VB', 'VBG'] semi-automatic : ['JJ'] cad : ['NNP'] portals : ['NNS'] figure : ['NNP'] portals : ['NNS'] topic : ['NNP', 'NN'] heard : ['VBC'] pre-defined : ['JJ'] requirements : ['NB'] watching : ['VBG'] write : ['B', 'VBP'] s. : ['NNP'] economy : ['NN'] inputs : ['NNS', 'VBZ', 'VBP'] explores : ['VBZ'] huge : ['NNS'] may : ['MD'] applications : ['NNS'] produce : ['VB'] designed : ['VBN'] improving : ['VBG'] such : ['JJ', 'VBT'] data : ['NNS', 'NN'] man : ['NN'] natural : ['JJ', 'VB'] accelerates : ['VBZ'] lemmas : ['NNS', 'NN'] explicit : ['JJ'] fluent : ['JJ'] so : ['VBC'] definitions : ['NNS'] seeing : ['VBC'] years : ['NNS'] structuring : ['VBC'] statistical : ['JJ'] still : ['RB'] group : ['NN'] coordinates : ['VBC', 'NNS', 'NNP'] forms : ['NNS', 'VBZ'] coordinated : ['VBR'] main : ['JJ'] coordinated : ['VBR'] main : ['JJ'] views : ['NNS'] main : ['JJ'] views : ['NNS'] main : ['JJ'] views : ['NNS', 'NNS', 'NNP'] forms : ['NNS', 'VBZ'] views : ['NNP'] main : ['JJ'] views : ['NNS'] matches : ['VBC'] views : ['NNS'] half : ['PBT', 'DT']	believes		reviews	
following : ['JJ', 'VBG', 'NN'] making : ['NN', 'VB', 'VBG'] semi-automatic : ['NNS'] figure : ['NNP', 'NN'] portals : ['NS'] topic : ['NNP', 'NN'] expanding : ['VBC] topic : ['NNP', 'NN'] heard : ['WBC] pre-defined : ['JJ'] requirements : ['NNS'] watching : ['VBC'] economy : ['NNF'] s. : ['NNF'] economy : ['NNF'] huge : ['JJ'] explores : ['WBC'] applications : ['NNS'] may : ['MD'] applications : ['NNS'] produce : ['WBC'] designed : ['NNS'] improving : ['WBC'] such : ['NNT'] data : ['NNS', 'NN'] man : ['NNT'] data : ['NNS'] such : ['NT'] fluent : ['NNS'] explicit : ['JJ'] fluent : ['NNS'] so : ['NN'] definitions	renders	: ['VBZ']	can	
semi-automatic : ['JJ'] cad : ['NNF'] portals : ['NNS'] figure : ['NNF', 'NN'] expanding : ['YBG'] topic : ['NNI', 'JJ'] heard : ['YBG'] pre-defined : ['JJ'] requirements : ['NNS'] watching : ['YBG'] write : ['YB', 'YBP'] s. : ['NNF'] economy : ['NNT'] inputs : ['NNF'] explores : ['VBZ'] huge : ['JJ'] explores : ['WB'] applications : ['NNS'] may : ['WB'] applications : ['NNS'] may : ['WB'] applications : ['VBR'] improving : ['WB'] applications : ['NBT'] improving : ['WB'] such : [JJ'] natural : ['NNS'] man : ['NNT'] natural : ['NNS'] so : ['NNT'] definitions : ['NNS'] seeing : ['VBC'] years : ['NNS']				
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produce : ['VB']	explores	: ['VBZ']		: ['JJ']
produce : ['VB']	may	: ['MD']	applications	: ['NNS']
data : ['NNS', 'NN'] man : ['NN'] natural : ['JJ', 'VB'] accelerates : ['VBZ'] lemmas : ['NNS'] explicit : ['JJ'] fluent : ['JJ'] so : ['IN', 'RB'] definitions : ['NNS'] seeing : ['VBG'] webpage : ['NN'] mainly : ['RB'] years : ['NNS'] structuring : ['YBG'] statistical : ['JJ'] still : ['RB'] group : ['NN'] monitor : ['NN'] coordinates : ['VBZ', 'NNS', 'NNP'] forms : ['NNS', 'VBZ'] platform : ['NN'] constitutes : ['NS'] coordinated : ['VBN'] main : ['JJ'] happened : ['VBN'] conveying : ['VBC'] views : ['NNP'] matches : ['VBZ'] conversations : ['NNS'] evolution : ['PDT', 'DT']	produce	: ['VB']	designed	
natural : ['JJ', 'VB'] accelerates : ['VBZ'] lemmas : ['NNS'] explicit : ['JJ'] fluent : ['JJ'] so : ['NB'] definitions : ['NNS'] seeing : ['VBG'] webpage : ['NN'] mainly : ['RB'] years : ['NNS'] structuring : ['VBG'] statistical : ['JJ'] still : ['RB'] group : ['NNI'] monitor : ['NNS'] coordinates : ['VBZ', 'NNS', 'NNP'] forms : ['NNS', 'VBZ'] platform : ['NN'] constitutes : ['VBZ'] coordinated : ['VBN'] main : ['JJ'] happened : ['VBN'] conveying : ['VBG'] views : ['NNF'] matches : ['VBZ'] conversations : ['NNS'] evolution : ['NN'] records : ['VBZ'] half : ['PDT', 'DT']	improving	: ['VBG']	such	: ['JJ', 'PDT']
lemmas : ['NNS'] explicit : ['JJ'] fluent : ['JJ'] so : ['IN', 'RB'] definitions : ['NNS'] seeing : ['VBG'] webpage : ['NNS'] mainly : ['RB'] years : ['NNS'] structuring : ['VBG'] statistical : ['JJ'] still : ['RB'] group : ['NN'] monitor : ['NN'] coordinates : ['VBZ', 'NNS', 'NNP'] forms : ['NNS', 'VBZ'] platform : ['NN'] constitutes : ['YBZ'] coordinated : ['VBN'] main : ['JJ'] happened : ['VBN'] conveying : ['VBC'] views : ['NNP'] matches : ['VBZ'] conversations : ['NNS'] evolution : ['NN'] records : ['VBZ'] half : ['PDT', 'DT']	data	: ['NNS', 'NN']	man	: ['NN']
lemmas : ['NNS'] explicit : ['JJ'] fluent : ['JJ'] so : ['IN', 'RB'] definitions : ['NNS'] seeing : ['VBG'] webpage : ['NNS'] mainly : ['RB'] years : ['NNS'] structuring : ['VBG'] statistical : ['JJ'] still : ['RB'] group : ['NN'] monitor : ['NN'] coordinates : ['VBZ', 'NNS', 'NNP'] forms : ['NNS', 'VBZ'] platform : ['NN'] constitutes : ['YBZ'] coordinated : ['VBN'] main : ['JJ'] happened : ['VBN'] conveying : ['VBG'] views : ['NNP'] matches : ['VBZ'] conversations : ['NNS'] evolution : ['NN'] records : ['VBZ'] half : ['PDT', 'DT']	natural	: ['JJ', 'VB']	accelerates	: ['VBZ']
definitions : ['NNS'] seeing : ['VBG'] webpage : ['NN'] mainly : ['RB'] years : ['NNS'] structuring : ['VBG'] statistical : ['JJ'] still : ['RB'] group : ['NN'] monitor : ['NN'] coordinates : ['VBZ', 'NNS', 'NNP'] forms : ['NNS', 'VBZ'] platform : ['NN'] constitutes : ['VBZ'] coordinated : ['VBN'] main : ['JJ'] happened : ['VBN'] converying : ['VBG'] views : ['NNP'] matches : ['VBZ'] conversations : ['NNS'] evolution : ['NN'] records : ['VBZ']	lemmas		explicit	: ['JJ']
definitions: ['NNS']seeing: ['VBG']webpage: ['NN']mainly: ['RB']years: ['NNS']structuring: ['VBG']statistical: ['JJ']still: ['RB']group: ['NN']monitor: ['NN']coordinates: ['VBZ', 'NNS', 'NNP']forms: ['NNS', 'VBZ']platform: ['NN']constitutes: ['VBZ']coordinated: ['VBN']main: ['JJ']happened: ['VBN']conveying: ['VBG']views: ['NNP']matches: ['VBZ']conversations: ['NNS']evolution: ['NN']records: ['VBZ']half: ['PDT', 'DT']	fluent	: ['JJ']	so	: ['IN', 'RB']
years : ['NNS'] structuring : ['VBG'] statistical : ['JJ'] still : ['RB'] group : ['NN'] monitor : ['NN'] coordinates : ['VBZ', 'NNS', 'NNP'] forms : ['NNS', 'VBZ'] platform : ['NN'] constitutes : ['VBZ'] coordinated : ['VBN'] main : ['JJ'] happened : ['VBN'] conveying : ['VBG'] views : ['NNP'] matches : ['VBZ'] conversations : ['NNS'] evolution : ['NN'] records : ['VBZ'] half : ['PDT', 'DT']	definitions	: ['NNS']	seeing	
statistical : ['JJ'] still : ['RB'] group : ['NN'] monitor : ['NN'] coordinates : ['VBZ', 'NNS', 'NNP'] forms : ['NNS', 'VBZ'] platform : ['NN'] constitutes : ['VBZ'] coordinated : ['VBN'] main : ['JJ'] happened : ['VBN'] conveying : ['VBG'] views : ['NNP'] matches : ['VBZ'] conversations : ['NNS'] evolution : ['NN'] records : ['VBZ']	webpage	: ['NN']	mainly	: ['RB']
group : ['NN'] monitor : ['NN'] coordinates : ['VBZ', 'NNS', 'NNP'] forms : ['NNS', 'VBZ'] platform : ['NN'] constitutes : ['VBZ'] coordinated : ['VBN'] main : ['JJ'] happened : ['VBN'] conveying : ['VBG'] views : ['NNP'] matches : ['VBZ'] conversations : ['NNS'] evolution : ['NN'] records : ['VBZ']	years	: ['NNS']	structuring	: ['VBG']
coordinates : ['VBZ', 'NNS', 'NNP'] forms : ['NNS', 'VBZ'] platform : ['NN'] constitutes : ['VBZ'] coordinated : ['VBN'] main : ['JJ'] happened : ['VBN'] conveying : ['VBG'] views : ['NNP'] matches : ['VBZ'] conversations : ['NNS'] evolution : ['NN'] records : ['VBZ']	statistical	: ['JJ']	still	: ['RB']
coordinates: ['VBZ', 'NNS', 'NNP']forms: ['NNS', 'VBZ']platform: ['NN']constitutes: ['VBZ']coordinated: ['VBN']main: ['JJ']happened: ['VBN']conveying: ['VBG']views: ['NNP']matches: ['VBZ']conversations: ['NNS']evolution: ['NN']records: ['VBZ']half: ['PDT', 'DT']	group	: ['NN']	monitor	: ['NN']
platform : ['NN'] constitutes : ['VBZ'] coordinated : ['VBN'] main : ['JJ'] happened : ['VBN'] conveying : ['VBG'] views : ['NNP'] matches : ['VBZ'] conversations : ['NNS'] evolution : ['NN'] records : ['VBZ']			forms	: ['NNS', 'VBZ']
coordinated : ['VBN'] main : ['JJ'] happened : ['VBN'] conveying : ['VBG'] views : ['NNP'] matches : ['VBZ'] conversations : ['NNS'] evolution : ['NN'] records : ['VBZ'] half : ['PDT', 'DT']	platform		constitutes	
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conversations : ['NNS'] evolution : ['NN'] records : ['VBZ'] half : ['PDT', 'DT']				
records : ['VBZ'] half : ['PDT', 'DT']				
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matched	: ['JJ']	cognition	: ['NN']
arrows	: ['NNS']	establishing	: ['VBG']
rethinking	: ['VBG']	domain	: ['NN']
significantly	: ['RB']	classifying	: ['VBG', 'NNP']
snapshots	: ['NNS']	breakthrough	: ['NN']
year	: ['NN']	et	: ['CC', 'FW', 'NNP']
emerges	: ['VBZ']	shown	: ['VBN']
space	: ['NN', 'NNP']	communicating	: ['VBG']
increase	: ['VB']	attracted	: ['VBN']
investigation	: ['NNP']	papers	: ['NNS']
rational	: ['JJ']	shows	: ['VBZ']
clustering	: ['JJ', 'NN']	representations	: ['NNS', 'NNP', 'VBZ']
earlier	: ['JJ']	theory	: ['NN']
queries	: ['NNS']	mechanisms	: ['NNS']
possibility	: ['NN']	complicated	: ['JJ']
bayes	: ['NNP']	uncover	: ['VB']
teufel	: ['NNP']	clicked	: ['JJ']
derivation	: ['NN']	language	: ['NN', 'JJ', 'NNP']
selections	: ['NNS']	motion	: ['NN']
thing	: ['NN']	think	: ['VB', 'VBP']
first	: ['RB']	origin	: ['NN']
spoken	: ['VBN']	one	: ['CD', 'NN']
directly	: ['RB']	carry	: ['VB']
methodological	: ['JJ']	mouaddib	: ['NNP']
open	: ['JJ']	size	: ['NN']
fmri	: ['NNS']	given	: ['VBN']
personalities	: ['NNS']	categorical	: ['JJ']
image-like	: ['JJ']	indicate	: ['VBP']
realization	: ['VB']	structures	: ['NNS']
cite	: ['VBP', 'JJ', 'NNP', 'VB']	friend	: ['NN']
gives	: ['VBZ']	summarization	: ['NNP', 'NN', 'JJ']
that	: ['IN', 'WDT', 'DT']	brains	: ['NNS']
accurately	: ['RB']	representing	: ['VBG']
than	: ['IN']	semantics	: ['NNS']
inventor	: ['NN']	wide	: ['JJ']
maybury	: ['NNP']	constructionism	: ['VBP', 'NN']
were	: ['VBD']	summarizations	: ['NNS', 'VBZ']
and	: ['CC', 'VB', 'NNP']	tasted	: ['VBD']
topics	: ['NNS']	locations	: ['NNS']
generalization	: ['NN']	any	: ['DT']
efficient	: ['JJ']	ideas	: ['NNS']
equipment	: ['NN']	ideal	: ['JJ']
potential	: ['JJ']	take	: ['VBP', 'VB']
online	: ['JJ', 'NN']	printer	: ['NN']
multiple	: ['JJ']	trace	: ['VB']
normal	: ['JJ']	track	: ['NN']
friedman	: ['NNP']	pages	: ['NNS']
adaptability	: ['VB']	especially	: ['RB']
considered	: ['VBN']	later	: ['RB', 'JJ']

F:\Pn.D_1\program\Eclipse\CE	_relation\wtrequence\wPFt0001.txt		
typically	: ['RB']	laws	: ['NNS']
shot	: ['NN']	spaces	: ['NNS']
ground	: ['NN']	xml	: ['NN']
title	: ['NN']	dick	: ['NNP']
either	: ['DT']	only	: ['RB', 'JJ']
explicitly	: ['RB']	enriched	: ['VBN']
ranking	: ['JJ', 'VBG']	viewpoint	: ['NN']
get	: ['VB']	readablitiy	: ['RB']
regarding	: ['VBG']	resource	: ['NNP']
summary	: ['NN', 'RB', 'NNP']	pang	: ['NNP']
where	: ['WRB']	lenzerini	: ['NNP']
relative	: ['JJ']	top-level	: ['JJ']
concern	: ['NN']	detect	: ['VB']
ways	: ['NNS']	review	: ['VB']
behind	: ['IN']	between	: ['IN']
navigates	: ['NNS']	reading	: ['NN', 'VBG']
infrastructure	: ['NN']	screen	: ['NN']
hilda	: ['NNP']	article	: ['NN']
recall	: ['VBP']	motivations	: ['NNS']
implementing	: ['VBG']	many	: ['JJ']
region	: ['NN']	according	: ['VBG']
enabling	: ['VB', 'VBG']	mani	: ['NNP']
comes	: ['VBZ']	among	: ['IN']
color	: ['NN']	period	: ['NN']
learning	: ['VBG', 'NN']	considering	: ['VBG']
shroff	: ['NNP']	mark	: ['VB', 'NN']
linguistic	: ['JJ']	prototype	: ['NN']
direction	: ['NN']	enable	: ['VB']
convincible	: ['JJ']	win-rose	: ['JJ']
formed	: ['VBN']	photos	: ['NNS']
external	: ['JJ']	case	: ['NN']
developing	: ['VBG']	these	: ['DT']
conferences	: ['NNS']	characteristics	: ['NNS']
good	: ['JJ']	everyday	: ['NN']
different	: ['JJ', 'VBG']	develop	: ['VBP', 'VB']
author	: ['NN', 'VB']	media	: ['NNS']
same	: ['JJ']	document	: ['NN']
events	: ['NNS']	status	: ['NN']
extended	: ['VBN']	persons	: ['NNS']
edges	: ['NNS']	investigates	: ['VBZ']
distribu	: ['NN']	tracking	: ['NN']
markup	: ['NNP']	without	: ['IN']
solve	: ['VB']	extensible	: ['NNP']
components	: ['NNS']	very	: ['RB']
model	: ['NNP']	dimension	: ['NN']
researchers	: ['NNS']	when	: ['WRB']
actress	: ['NN']	unclear	: ['JJ']
aspect	: ['NN']	speed	: ['NN', 'VB']
guides	: ['NNS']	captured	: ['VBN']

	i oracioni i i oco naci			20:0 → 1/1 :0 H 0:1
overlapped	: ['VBN']	thinking	: ['VBG', 'NN']	
empiricism	: ['VB', 'NN']	samples	: ['NNS']	
complements	: ['VBZ']	styles	: ['NNS']	
kupiec	: ['NNP']	aspects	: ['NNS']	
read	: ['VB', 'VBN', 'VBD']	decomposed	: ['VBN']	
early	: ['JJ']	grid	: ['NN']	
listening	: ['VBG']	using	: ['VBG']	
externalization	: ['NNP']	identifying	: ['VBG']	
benefit	: ['VB']	output	: ['NN', 'VBZ']	
reduced	: ['VBN']	specifies	: ['VBZ']	
satisfactory	: ['NNP']	competition	: ['NN']	
specified	: ['VBN']	images	: ['NNS']	
organizing	: ['VBG', 'NNP']	matching	: ['VBG']	
reasons	: ['NNS']	generates	: ['VBZ']	
provided	: ['VBN']	regina	: ['NNP']	
mood	: ['NN']	symbiotic	: ['JJ']	
critical	: ['JJ']	provides	: ['VBZ']	
semantically	: ['RB', 'JJ']	moderate	: ['NNP', 'JJ']	
football	: ['NN']	scientific	: ['JJ']	
power	: ['NN']		: ['NNS']	
communicate	: ['VB']	notably	: ['RB']	
ontology	: ['NNP', 'NN']		: ['NN']	
comparison	: ['NN']		: ['NN']	
oj	: ['NN']	of	: ['IN']	
discussed	: ['VBN', 'VBD']		: ['VBN', 'JJ', 'VBD']	
practical	: ['JJ']		: ['RB']	
or	: ['CC']		: ['NN']	
communication	: ['NN']	image	: ['NN', 'JJ']	
references	: ['NNS']		: ['VB', 'VBP']	
cikm2012	: ['NN']		: ['NN']	
there	: ['EX']		: ['JJ']	
assumes	: ['VBZ']	<u> </u>	: ['VBP']	
1599	: ['CD']		: ['VBN']	
fattah	: ['NNP']		: ['VBZ']	
arranges	: ['VBZ']		: ['NN']	
d.r.radev	: ['NNP']		: ['RB']	
gong	: ['NNP']		: ['NNS']	
certain	: ['JJ']		: ['NNP', 'NN', 'VBG']	
al	: ['NNP']		: ['DT']	
as	: ['IN', 'RB']		: ['IN']	
lifetime	: ['NN']		: ['NNP']	
again	: ['RB']	=	: ['VB']	
novice	: ['NN']		: ['NN']	
multi-level	: ['JJ']		: ['JJ']	
requested	: ['VBN']		: ['JJ']	
students	: ['NNS']	4	: ['NN']	
a.	: ['NNP']	-	: ['JJ']	
coverage	: ['NN']		: ['VBN']	
building	: ['VBG']	multi-medias	: ['JJ']	

Tita tilb_Tiprogramizonpootez_ron	ationitino quono otti i 1000 ilat	
curve	: ['NN']	original : ['JJ']
represent	: ['VB', 'VBP']	all : ['DT', 'PDT']
semantic	: ['JJ', 'NNP']	consider : ['VB']
kckeown	: ['NNP']	coauthor : ['NN']
reasoning	: ['NN']	tv : ['NN']
to	: ['TO']	nodes : ['NNS']
homepage	: ['NNP']	al. : ['NNP', 'NN', 'RB']
activities	: ['NNS']	far : ['RB']
difference	: ['NN']	condition : ['NN']
leads	: ['VBZ']	louis : ['NNP']
list	: ['NN']	large : ['JJ']
adjust	: ['VB']	small : ['JJ']
abstracted	: ['JJ']	displays : ['NNS']
further	: ['RB', 'RBR']	what : ['WP']
cues	: ['NNS']	section : ['NN']
version	: ['NN']	attitudes : ['NNS']
scientists	: ['NNS']	<pre>learned : ['VBN']</pre>
method	: ['NN']	contrast : ['NN']
movement	: ['NN']	full : ['JJ']
tags	: ['NNS']	threads : ['NNS', 'NNP']
compressed	: ['JJ']	observing : ['VBG']
publisher	: ['NN']	search : ['NN', 'VB']
inspired	: ['NNP']	experience : ['VB', 'VBP', 'NN']
published	: ['VBN']	relevant-to-core : ['JJ']
family	: ['NN']	texts : ['NNS']
establish	: ['VB']	sensors : ['NNS']
select	: ['VB', 'JJ']	eye : ['NN']
takes	: ['VBZ']	distinct : ['JJ']
codify	: ['VB']	two : ['CD']
comparing	: ['VBG']	more : ['RBR', 'JJR']
knows	: ['VBZ']	abridged : ['JJ']
zhuge	: ['NNP', 'CD']	particular : ['JJ']
known	: ['VBN']	evolves : ['NNS', 'VBZ']
science	: ['NN']	paragraph : ['NN']
evolved	: ['VBN']	strategies : ['NNS']
specialized	: ['JJ']	history : ['NN']
compare	: ['VB']	scan : ['VB']
correctness	: ['JJ']	share : ['VBP']
minimum	: ['JJ']	sense : ['NN']
exclude	: ['VBP']	species : ['NNS']
influenced	: ['VBN']	needs : ['VBZ']
recursive	: ['NNS']	awkward : ['JJ']
rather	: ['RB']	influences : ['VBZ']
explains	: ['VBZ']	raschia : ['NNP']
tried	: ['VBD']	algebra : ['NN']
derived	: ['VBN']	reflect : ['VBP', 'VB']
adventure	: ['NN']	derives : ['VBZ']
short	: ['JJ']	<pre>fundamental : ['JJ']</pre>
egg	: ['NN']	retrieval : ['VBZ', 'NN']

The mb_regrammeonpoore		OTT TOO TIESE										Т.71.0Д 0.1.
help	: ['VB',	'VBP']	hierarchy	:	['NN']							
developed	: ['VBN'		hypertext	:	['VB',	'NN']						
paper	: ['NN']		through		['IN',							
its	: ['PRP\$		rapidly		['RB']	_						
solving	: ['VBG'	=	actually		['RB']							
detected	: ['VBN'		microscopic		['JJ']							
systems	: ['NNS'		might		['MD']							
macroscopic	: ['JJ']		pursue		['VB']							
someone	: ['NN']		reflected		['VBN']	1						
framework	: ['NN']		communities		['NNS']							
association	: ['NN']		easily		['RB']	•						
daume	: ['NNP'		-lsb-			'NNS',	'VBD', '	'VBZ',	'NNPS',	'JJ',	'NN',	'VBG'l
knight	: ['NNP'		found		['VBN']		,	,	,	,	,	
characterized	: ['VBN'		mental		['JJ']	•						
generation	: ['NN']		house		['NN']							
energy	: ['NN']		hard		['JJ']							
idea	: ['NN']		edmundson		['NNP']	1						
operation	: ['NN']		beyond		['IN']	•						
event	: ['NN']		psychology		['NN']							
since	: ['IN']		publish		['VB']							
denotes	: ['VBZ'		health		['NN']							
denoted	: ['VBN'		evaluation		['NN',	'NNP'1						
reformulated	: ['NN']		reason		['NN']							
citation-based	: ['JJ']		imaging		['NN']							
put	: ['VBN'		generate		['VB',	'VBP'l						
definition	: ['NNP'		thread		['NN']	V D L]						
computers	: ['NNS'		major		['JJ']							
graesser	: ['NNP'		human-machine-natur		-							
number	: ['NN']		linking		_	, 'NNP']						
instances	: ['NNS'		done		['VBN']	-						
neglects	: ['VBZ'		story		['NN']	J						
script	: ['NN']		interact		['VB']							
moderately	: ['RB']		least		['JJS']	1						
statement	: ['NN']		gps		['NNP']							
relies	: ['NNS'		afantenos		['NNP']							
hotel	: ['NN']		newell		['NNP']							
part	: ['NN']		authors		-	'NNS']						
focusing	: ['VBG'		inventing		['VBG']							
query-focused	: ['JJ']		kind		['NN']	J						
determines	: ['VBZ'		instruction		['NN']							
determined	: ['VBN'	_	interactive		['JJ']							
motivation	: ['NN']		electroencephalogra			']						
sentences	: ['NNS'		relationship		['NN']	7						
lin	: ['NNP'		liu		['NNP']	1						
empirically	: ['RB']		internal		['JJ']	1						
generalized	: ['VBN'		analogy		['NN']							
finding	: ['VBG'		quillian		['NNP']	1						
mirella	: ['NNP'		play			'VBP', '	VR!					
added	: ['VBN'		measures		['NNS']		ر ب					
aaaca	• [ADM	1	INCUBULCE	•	[TATA D]	ı						

The time_the regramme on poor or _ rem	40.0	moquomoo	ATT 1 1000 HERE					2010-17110-01-1
reach	:	['VB']		feature-based	:	['JJ']]	
most	:	['RBS',	, 'JJS']	experiences	:	['NNS'	', 'VBZ']	
complementing	:	['VBG']		significant	:	['JJ']]	
services	:	['NNS']		britton	:	['NNP'	']	
probabilistic	:	['JJ']		stands	:	['VBZ'	']	
mobile	:	['JJ']		mediation	:	['NN']]	
traditional	:	['JJ']		ext	:	['NN',	, 'NNP']	
physics	:	['NNS']		institutions		['NNS'		
golf	:	['NN']		phenomenon	:	['NN']]	
flicker	:	['NNP']		relation		['NN']		
headlines	:	['NNS']		networks	:	['NNP'	', 'NNS']	
impact	:	['NN']		indicator	:	['NN']]	
saint-paul	:	['NN']		writer	:	['NN']]	
distributed	:	['VBN']]	his	:	['PRP\$	\$']	
trees		['NNS']		valuable	:	['JJ']]	
closely	:	['RB']		shared	:	['VBN'	', 'VBD']	
during	:	['IN']		barzilay		['NNP'		
common	:	['JJ']		scanning	:	['VBG'	']	
set	:	['NN',	'VBD']	intelligence		['NN']		
culture	:	['NN']		see	:	['VBP'	']	
individual	:	['NNP'	, 'NN', 'JJ']	are	:	['VBP'	']	
close	:	['NN']		-rsb-	:	['JJ',	, 'NNS', 'CD', 'NNP', 'VBN', 'VBZ']	
2.0	:	['NNP']		muthukrishnan	:	['NNP'	']	
learns	:	['VBZ']		visiting	:	['VBG'	']	
distinctive		['JJ']		familiarity		['NN']		
formatted	:	['JJ']		various		['JJ']		
probably	:	['RB']		conditions	:	['NNS'	']	
g.cormode	:	['NNP']		available	:	['JJ']]	
recently	:	['RB']		creating	:	['VBG'	']	
conroy	:	['NNP']		interfaces	:	['NNS'	']	
attention	:	['NN']		interface	:	['NN',	, 'NNP', 'JJ']	
cross-disciplinary		['JJ']		relying		['VBG'		
both	:	['DT']		last	:	['JJ']]	
reverse	:	['JJ']		hyperlink	:	['NN']]	
connection	:	['NN']		long-term	:	['JJ']]	
whole	:	['JJ']		point	:	['NN']]	
simple	:	['VB',	'NN', 'JJ']	corresponds		['VBZ'		
community		['NN']		audios	:	['NNS'	']	
regulated		['VBN']		openness			', 'NN', 'VB']	
described	:	['VBN']		transformations	:	['NNS'	']	
create	:	['VB']		acceptance	:	['NN']]	
due		['JJ']		strategy		['NN']		
reduction	:	['NN']		citations		['NNS'		
extends		- ['VBZ']]	pi			', 'NN']	
generating			, 'VB']	precision		['NN']		
self-organizes		['NNS']		understand			, 'VBP']	
representative		- ['JJ']		systematic		['JJ']		
demand		['NN']		unify		['NN']		
sub-dimensions	:	['NNS']]	reliable	:	['JJ']]	

empirical	: ['JJ']	evaluated	: ['VBN']
while	: ['IN', 'NN']	match	: ['VB', 'VBP']
evaluating	: ['VBG']	p.	: ['NN']
quide	: ['VB']	real	: ['JJ']
century	: ['NN']	faceted	: ['JJ']
obstacle	: ['NN']	externalize	: ['VB']
rules	: ['NNS']	widely	: ['RB']
survey	. [NN']	composition	: ['NN']
<u>-</u>	: ['JJR']	development	
higher used	: ['VBN']	expressiveness	: ['NN']
		±	: ['NNS']
flows	: ['NNS']	novwak	: ['NNP']
levels	: ['NNS']	moving	: ['VBG']
purpose	: ['NN']	kintsch	: ['NNP']
lower	: ['JJR']	task	: ['NN']
database	: ['NN']	navigation	: ['NN']
analysis	: ['NN']	person	: ['NN']
consistency	: ['NN']	organization	: ['NN']
construct	: ['VB']	questions	: ['NNS']
world	: ['NN']	love	: ['NN']
summaries	: ['NNS']	tables	: ['NNS']
relevancy	: ['NN']	extracted	: ['VBN', 'JJ']
advertisements	: ['NNS']	recognizing	: ['VBG']
source	: ['NN']	hyperlinks	: ['NNS']
location	: ['NN', 'VB']	relevance	: ['NN']
input	: ['NN', 'VB', 'NNP']	transformation	: ['NN', 'NNP']
build	: ['VB']		: [':', '.']
format	: ['NN']	big	: ['JJ']
genetically	: ['RB']	game	: ['NN']
marcu	: ['NNP']	formal	: ['JJ']
follows	: ['VBZ']	facets	: ['NNS']
collect	: ['VB']	individuals	: ['NNS']
essential	: ['JJ']	mathematical	: ['JJ']
methods	: ['NNS', 'NNP', 'RB', 'NN']	some	: ['DT']
back	: ['RB']	understood	: ['VBN']
economic	: ['JJ']	gradually	: ['RB']
scale	: ['NN']	decision	: ['NN']
gudivada	: ['NNP']	integration	: ['NN']
innovation	: ['NN']	professionals	: ['NNS']
inserting	: ['VBG']	be	: ['VB']
processing	: ['VBG', 'NN']	subtitles	: ['NNS']
viewpoints	: ['NNS']	readability	: ['RB', 'NN']
qing	: ['NNP']	chomsky	: ['NNP']
in-depth	: ['JJ']	range	: ['NN']
evidencing	: ['VBG']	into	: ['IN']
within	: ['IN']	appropriate	: ['JJ']
interactivity	: ['VB']	impressed	: ['VBN']
statistics	: ['NNPS', 'NNS']	innate	: ['JJ', 'NN']
retrieving	: ['VBG']	long	: ['JJ']
analyze	. [VBG] : ['VB']	-	
апатуле	• [VD]	sections	: ['NNS']

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poster	: ['NN']	memory	: ['NN']
link	: ['NN', 'VBP', 'VB']	multi-document	: ['JJ']
-lrb-	: ['-LRB-']	line	: ['NN']
zhu	: ['NNP']	characteristic	: ['NN']
clips	: ['NNS']	verification	: ['NN']
etc.	: ['FW']	sometimes	: ['RB']
defined	: ['VBN']	influence	: ['VB', 'NN']
single	: ['JJ']	diverse	: ['JJ']
research	: ['NN', 'NNP']	modeling	: ['NN', 'NNP']
hovy	: ['NNP']	composing	: ['VBG']
rewriting	: ['VBG']	application	: ['NN']
actors	: ['NNS']	explaining	: ['VBG']
elements	: ['NNS']	users	: ['NNS']
backbone	: ['NN']	problems	: ['NNS']
regulations	: ['NNS']	meaning	: ['NN', 'VBG']
baxendale	: ['JJ', 'NNP']	posters	: ['NNS']
structure	: ['NN', 'VB']	dimensions	: ['NNS']
ago	: ['RB']	independently	: ['RB']
implies	: ['VBZ']	lead	: ['VBP', 'VB']
algorithm	: ['NNP']	youtube	: ['NNP']
2002	: ['CD', 'NNP']	2003	: ['CD']
2000	: ['CD']	2001	: ['CD']
2006	: ['CD']	2007	: ['CD']
2004	: ['CD']	2005	: ['CD']
2008	: ['CD']	2009	: ['CD']
requires	: ['VBZ']	silber	: ['NNP']
broaden	: ['VB']	results	: ['NNS', 'VBZ']
existing	: ['VBG', 'JJ']	proposition	: ['NN']
sigmund	: ['NNP']	query	: ['VB']
issues	: ['NNS']	excludes	: ['VBZ']
compose	: ['VB']	similar	: ['JJ']
concerned	: ['VBN']	languages	: ['NNS']
citing	: ['VBG']	helps	: ['VBZ']
include	: ['VBP', 'VB']	pre-designed	: ['JJ']
resources	: ['NNS']	inner-product	: ['JJ']
garden	: ['NN']	implicitly	: ['RB', 'CD']
putting	: ['VBG']	d.	: ['NNP']
categories	: ['NNS']	-	. [NNF] : ['VB']
understandings	: ['NNS']	arrange	. [VB] : ['JJ']
experiencing	: ['VBG']	picture-sharing	. ['VBP']
licklider	-	try	-
	: ['NN']	locate	: ['VB']
video	: ['NN', 'JJ', 'NNP']	traveling	: ['VBG']
plays	: ['VBZ']	business	: ['NN']
multimedia	: ['JJ', 'VB', 'NNS']	find	: ['VB', 'VBP']
access	: ['VB', 'NN']	experiment	: ['NN']
values	: ['NNS']	3d	: ['CD']
body	: ['NN']	focuses	: ['VBZ']
led	: ['VBN']	lee	: ['NNP']
degree	: ['NN']	explore	: ['VB']

objects : ['NNF', 'NNT']				
layout	2			: ['NNP']
Implicit	separation	: ['NNP', 'NN']	others	: ['NNS']
involved : ['VBC']	layout	: ['NN']	invented	: ['VBN']
resulting : ['V85'] semantics-based : ['V87', 'JJT] opinion : ['NNT'] implement : ['V87'] up-to-date : ['JJT] scales : ['NNST] scales : ['NNST	implicit	: ['JJ']	great	: ['JJ']
opinion : [NN1] implement : [VB1] involves : [VB2] composed : [VBN] up-to-date : [VJ1] scales : [NN5] thin : [VJ1] hardy : [NNF] names : [VNB7] tools : [NN5] apply : [VNB7] tools : [NN5] use : [NNF, VB3] from : [VNS] use : [NNF, VB3] coredificate : [NN] cadronell : [NNF, VB3] certificate : [NN, VB3] carbonell : [NNF] touched : [NNF] reciprocity : [NNF] touched : [VNS] originalized : [VNE7] journalists : [VNS] on : [TN] started : [VNS] becemes : [VSE] cooperate : [VNF] of : [VNF] integrating : [VNF] this : [VSF] axion : [VNF] publications : [VNF] integrating : [VNF]	involved	: ['VBD', 'VBN']	larger	: ['JJR']
involves : ['VBR'] composed : ['VBN'] thin thin : ['JJ'] soales : ['NNS'] hardy : ['NNS'] hard	resulting	: ['VBG']	semantics-based	: ['VBZ', 'JJ']
involves : ['VBR'] composed : ['VBN'] thin thin : ['JJ'] soales : ['NNS'] hardy : ['NNS'] hard	opinion	: ['NN']	implement	: ['VB']
up-to-date : ['JJ'] scales : ['NNS'] thin : ['JJ'] hardy : ['NNS'] apply : ['WB'] motor : ['NNS'] seply : ['NNS'] tools : ['NNS'] use : ['NNF'] from : ['INN'] e.g. : ['NNF'] extractive : ['NN'] carbonell : ['NNF'] extractive : ['NN'] reciprocity : ['NNT'] extractive : ['NN'] reciprocity : ['NNT'] extractive : ['NN'] reciprocity : ['NNT'] extractive : ['NNT'] reciprocity : ['NNT'] extractive : ['NNS'] reciprocity : ['NNT'] stated : ['NNT'] reciprocity : ['NNT'] extractive : ['NNT'] refectuel	involves	: ['VBZ']	composed	: ['VBN']
thin : ['JJ'] hardy : ['NNP'] names : ['NNP'] motor : ['NNP'] apply : ['NNP'] tools : ['NNP'] use : ['NNP', 'JJ'] certificate : ['NN'] e.g. : ['NNP', 'JJ'] certificate : ['NN'] carbonell : ['NNP'] extractive : ['NNP'] recipcoity : ['NN'] touched : ['NBP'] reflects : ['NBC'] touched : ['NBC'] optimizing : ['VBG'] journalists : ['NBC'] on : ['VBC'] journalists : ['NBC'] becomes : ['VBC'] cooperate : ['VBC'] idstilling : ['VBC'] integrating : ['NBC'] distilling : ['VBC'] integrating : ['NBC'] this : ['NBC'] integrating : ['NBC'] classifications : ['NBC'] axiom : ['NBC'] process : ['VBF', NN', 'VB'] high : ['NBC'] united	up-to-date	: ['JJ']	scales	: ['NNS']
manes : ['NNS'] motor : ['NN'] apply : ['VPP'] tools : ['NN, 'VB'] use : ['NNY, 'VB'] from : ['NN, 'VB'] e.g. : ['NNP'] extractive : ['NN, 'JJ'] carbonell : ['NNP'] extractive : [NN, 'JJ'] reciprocity : ['NN] themselves : ['PBP'] reciprocity : ['NN] themselves : ['PBP'] reciprocity : ['NN] touched : ['PBP'] reciprocity : ['NBC'] touched : ['PBP'] optimizing : ['VBC'] touched : ['VBC'] optimizing : ['VBC'] commalists : ['NN] on : ['INP] touched : ['VBC'] becomes : ['VBC'] cooperate : ['VBC'] intilized : ['VBC'] intilized : ['NNT] intilizations : ['NNS'] intilized : ['NN] process : ['VBF', 'NN', 'VB'] high : ['VBT'] united <td>thin</td> <td>: ['JJ']</td> <td>hardy</td> <td>: ['NNP']</td>	thin	: ['JJ']	hardy	: ['NNP']
apply : ['NN', 'VB'] tools : ['NN', 'VB'] e.g. : ['NNP', 'JJ'] certificate : ['NN', 'VB'] e.g. : ['NNP', 'JJ'] certificate : ['NN', 'JJ'] reciprocity : ['NN'] certactive : ['NN', 'JJ'] reflects : ['VB'] chenselves : ['VBP'] on : ['NN'] started : ['VB'] pecomes : ['VB'] cooperate : ['VB'] normalized : ['VB'] cooperate : ['VB'] distilling : ['VB'] integrating : ['VB'] distilling : ['VB'] axiom : ['NN'] publications : ['NNS'] reserved : ['VBN'] classifications : ['NNS'] reserved : ['VBN'] process : ['VBP', 'NN', 'VB'] high : ['NN'] united : ['NN'] tog : ['NN'] mcog : ['NN'] establishment : ['NN'] collection : ['NN'] esparations : ['NN']	names	: ['NNS']	-	
use : ['NN', 'Va'] from : ['I'N', 'Va'] carbonell : ['NNP', 'JJ'] certificate : ['NN', 'JJ'] reciprocity : ['NN'] extractive : ['NN', 'JJ'] reciprocity : ['NN'] themselves : ['PP] reflects : ['VBC'] touched : ['VBD'] optimizing : ['VBC'] journalists : ['NN'] ocoperate : ['VBD'] cooperate : ['VBC'] integrating : ['VBC'] integrating : ['VBC'] distilling : ['VBC'] axion : ['NN'] distilling : ['VBC'] axion : ['NN'] publications : ['NNS'] axion : ['NN'] process : ['VBP', 'NN', 'VB'] high : ['UN'] process : ['VBP', 'NN', 'VB'] high : ['UN'] united : ['JJ'] located : ['NN'] united : ['NN'] philosophy : ['NN'] specifications : ['NN'] separations : ['NNS'] </td <td>apply</td> <td></td> <td></td> <td></td>	apply			
e.g. : ['NNF', 'JJ']				
carbonell : ['NNP'] extractive : ['NNP', 'JJ'] reciprocity : ['NN'] themselves : ['VBP'] reflects : ['VBC'] touched : ['VBD'] optimizing : ['VBG'] journalists : ['NBN'] on : ['NII'] started : ['VBD'] becomes : ['VBZ'] cooperate : ['VBP'] normalized : ['VBN'] iii : ['NNP'] distilling : ['VBG'] axiom : ['NNP'] distilling : ['VBG'] axiom : ['NNI'] process : ['NNS'] axiom : ['NNI'] process : ['VBP', 'NN', 'VB'] high : ['NNI'] effectively : ['RB'] tag : ['NNI'] mcooy : ['NNI'] tag : ['NNI'] mcooy : ['NNS'] establishment : ['NNI'] collection : ['NNS'] esparations : ['NNI'] collection : ['NNI'] separations : ['NNI'] element			certificate	
reflects : ['NN']	=			
reflects : ['VBE'] touched : ['VBE'] optimizing : ['NBE'] journalists : ['NNS'] on				
optimizing on : ['INr'] journalists : ['NB'] on : ['IN'] started : ['VBD'] becomes : ['VBZ'] cooperate : ['VBP'] normalized : ['VBB'] iii : ['NB'] distilling : ['VBG'] integrating : ['VBG'] this : ['DT'] axiom : ['NB'] publications : ['NNS'] reserved : ['VBN'] classifications : ['NNS'] links : ['NNS', 'NN', 'NNP', 'VBZ'] process : ['VBP', 'NN', 'VB'] high : ['JJ'] effectively : ['RB'] tag : ['NN'] united : ['JJ'] located : ['NN'] mccoy : ['NNP'] establishment : ['NN'] specifications : ['NNP'] establishment : ['NN'] revising : ['NN'] efficiently : ['RB'] revising : ['WBG'] separations : ['NNS'] slement : ['NN'] separations : ['NNS'] slement : ['NN'] symbol-like : ['JJ'] produces : ['WBC'] symbol-like : ['JJ'] including : ['WBG'] looks : ['WBC'] mentioned : ['NNP'] relativity : ['NNS'] tenenbaum : ['NNP'] instruments : ['NNS'] 2014 : ['CD'] 201 : ['CD', 'NNP'] <tr< td=""><td></td><td></td><td></td><td></td></tr<>				
on : ['IN'] started : ['VBC'] becomes : ['VBZ'] cooperate : ['VBC'] normalized : ['VBC'] iii : ['NNF'] distilling : ['VBC'] integrating : ['VBC'] this : ['VBC'] axiom : ['NNF'] publications : ['NNS'] reserved : ['VBN'] classifications : ['NNS'] links : ['NNS', 'NN', 'NNF', 'VBZ'] process : ['VSF', 'NN', 'VB'] high : ['JJ'] seffectively : ['RB'] tag : ['NN'] united : ['JJ'] located : ['VBN'] mccoy : ['NNF'] establishment : ['NN'] specifications : ['NNF'] establishment : ['NN'] collection : ['NNN'] epilosophy : ['NN'] collection : ['NN'] separations : ['NNS'] produces : ['VBC'] separations : ['NNS'] sbu-jbara : ['NNF'] own : ['JJ']				
Decomes ['VBE']	_		2	-
normalized : ['VBG'] iii : ['NNF'] distilling : ['VBG'] integrating : ['VBG'] this : ['NT] axiom : ['NN,' NNF'] publications : ['NNS'] reserved : ['VBN'] classifications : ['NNS'] links : ['NNS', 'NN', 'NNP', 'VBZ'] process : ['VBP, 'NN', 'VB'] high : ['JJ'] effectively : ['RB'] tag : ['NN'] united : ['JJ'] located : ['VBR'] mccoy : ['NNP'] establishment : ['NN'] specifications : ['NNS'] establishment : ['NN'] collection : ['NNP'] establishment : ['NN'] specifications : ['NNS'] establishment : ['NN'] collection : ['NNS'] establishment				
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this : ['DT']				
publications : ['NNS'] reserved : ['VEN'] classifications : ['NNS'] links : ['NNS', 'NN', 'NNP', 'VBZ'] process : ['VEP', 'NN', 'VB'] high : ['JJ'] effectively : ['RB'] tag : ['NN'] united : ['JJ'] located : ['VEN'] mccoy : ['NNF'] establishment : ['NN'] specifications : ['NNS'] philosophy : ['NN'] collection : ['NN'] efficiently : ['RB'] revising : ['VBG'] separations : ['NNS'] element : ['NN'] symbol-like : ['JJ'] produces : ['VEZ'] symbols : ['NNS'] abu-jbara : ['NNP'] own : ['JJ'] including : ['VBG'] looks : ['VBZ'] mentioned : ['VBB'] multi-dimensional : ['JJ'] lapata : ['NNP'] relativity : ['NNS'] 2014 : ['CD'] 201 : ['NNF']	<u> </u>			
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revising : ['VBG'] separations : ['NNS'] element : ['NN'] symbol-like : ['JJ'] produces : ['VBZ'] symbols : ['NS'] abu-jbara : ['NNP'] own : ['JJ'] including : ['VBG'] looks : ['VBZ'] mentioned : ['VBN'] multi-dimensional : ['JJ'] lapata : ['NNP'] relativity : ['NNP', 'JJ'] tenenbaum : ['NNP'] instruments : ['NNS'] 2014 : ['CD'] 2011 : ['CD', 'NNP'] 2010 : ['CD'] 2013 : ['CD'] 2012 : ['CD'] greater : ['JJR'] practice : ['NN'] often-cited : ['JJ'] front : ['NN'] realize : ['VB'] abstractive : ['JJ'] text-only : ['JJ'] storyboard : ['NN', 'JJ'] identified : ['VBN'] merge : ['VB'] sub-graphs : ['NNS'] map : ['NN']	=			
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<pre>including</pre>	produces	: ['VBZ']	symbols	: ['NNS']
mentioned : ['VBN']	3	: ['NNP']		
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tenenbaum : ['NNP'] instruments : ['NNS'] 2014 : ['CD'] 2011 : ['CD', 'NNP'] 2010 : ['CD'] 2013 : ['CD'] 2012 greater : ['JJR'] practice : ['NN'] often-cited : ['JJ'] front : ['NN'] realize : ['VB'] abstractive : ['JJ'] text-only : ['JJ'] storyboard : ['NN', 'JJ'] identified : ['VBN'] merge : ['VB'] transmitted : ['JJ'] sub-graphs : ['NNS'] map : ['NN']	mentioned	: ['VBN']		
2014 : ['CD']	lapata	: ['NNP']	relativity	: ['NNP', 'JJ']
2010 : ['CD'] 2013 : ['CD'] 2012 : ['CD'] greater : ['JJR'] practice : ['NN'] often-cited : ['JJ'] front : ['NN'] realize : ['VB'] abstractive : ['JJ'] text-only : ['JJ'] storyboard : ['NN', 'JJ'] identified : ['VBN'] merge : ['VB'] transmitted : ['JJ'] sub-graphs : ['NNS'] map : ['NN']	tenenbaum		instruments	: ['NNS']
2012 : ['CD'] greater : ['JJR'] practice : ['NN'] often-cited : ['JJ'] front : ['NN'] realize : ['VB'] abstractive : ['JJ'] text-only : ['JJ'] storyboard : ['NN', 'JJ'] identified : ['VBN'] merge : ['VB'] transmitted : ['JJ'] sub-graphs : ['NNS'] map : ['NN']	2014	: ['CD']	2011	: ['CD', 'NNP']
practice : ['NN'] often-cited : ['JJ'] front : ['NN'] realize : ['VB'] abstractive : ['JJ'] text-only : ['JJ'] storyboard : ['NN', 'JJ'] identified : ['VBN'] merge : ['VB'] transmitted : ['JJ'] sub-graphs : ['NNS'] map : ['NN']	2010	: ['CD']	2013	: ['CD']
front : ['NN'] realize : ['VB'] abstractive : ['JJ'] text-only : ['JJ'] storyboard : ['NN', 'JJ'] identified : ['VBN'] merge : ['VB'] transmitted : ['JJ'] sub-graphs : ['NNS'] map : ['NN']	2012	: ['CD']	greater	: ['JJR']
abstractive : ['JJ'] text-only : ['JJ'] storyboard : ['NN', 'JJ'] identified : ['VBN'] merge : ['VB'] transmitted : ['JJ'] sub-graphs : ['NNS'] map : ['NN']		: ['NN']		
storyboard : ['NN', 'JJ'] identified : ['VBN'] merge : ['VB'] transmitted : ['JJ'] sub-graphs : ['NNS'] map : ['NN']	front	: ['NN']	realize	: ['VB']
merge : ['VB'] transmitted : ['JJ'] sub-graphs : ['NNS'] map : ['NN']	abstractive	: ['JJ']	text-only	: ['JJ']
sub-graphs : ['NNS'] map : ['NN']	storyboard	: ['NN', 'JJ']	identified	: ['VBN']
	merge	: ['VB']	transmitted	: ['JJ']
inevitably : ['RB'] related : ['VBN', 'JJ']	sub-graphs	: ['NNS']	map	: ['NN']
	inevitably	: ['RB']	related	: ['VBN', 'JJ']

T. II II.D_TIPTOGRAITILECTIPSET	L_Telation(vviiequence(vvF110001.txt		2010年7月10日 5.41
constitute	: ['VBP']	society	: ['NN']
books	: ['NNS']	static	: ['JJ']
measure	: ['NN']	our	: ['PRP\$']
luhn	: ['NNP']	human-level	: ['JJ']
special	: ['JJ']	out	: ['RP', 'RB']
category	: ['VB', 'NN']	entertainment	: ['NN']
integrates	: ['VBZ']	elkiss	: ['NNP']
supports	: ['VBZ']	integrated	: ['VBN']
red	: ['JJ']	interactions	: ['NNS']
attending	: ['VBG']	approaches	: ['NNS', 'VBG']
retrieves	: ['JJ']	interaction	: ['NN']
phrases	: ['NNS']	raghavan	: ['NNP']
times	: ['NNS']	length	: ['NN']
davis	: ['NNP']	facilitate	: ['VB']
radev	: ['NNP']	reaches	: ['VBZ']
summarizers	: ['NNS', 'VBZ']	reached	: ['VBN']
1989	: ['NNP']	ceccato	: ['NNP']
salient	: ['JJ']	publication	: ['NN']
ordering	: ['VB']	system	: ['NN']
relations	: ['NNS']	priority	: ['NN']
their	: ['PRP\$']	interests	: ['NNS']
accompany	: ['VB']	explanation	: ['NN']
slides	: ['NNP', 'NNS']	regards	: ['VBZ']
fuzzy	: ['RB']	remember	: ['VBP', 'VB']
richer	: ['JJR']	abstracts	: ['NNS']
distinguished	: ['VBN']	result	: ['NN']
behaviors	: ['NNS']	enforced	: ['JJ']
clip	: ['NN']	viewer	: ['NN']
curves	: ['NNS']	have	: ['VB', 'VBP']
need	: ['VBP']	linked	: ['VBN']
viewed	: ['VBN']	issue	: ['NN']
studying	: ['VBG']	able	: ['JJ']
mechanism	: ['NN']	concerns	: ['VBZ', 'NNS']
best	: ['JJS']	which	: ['WDT']
subject	: ['NN']	refocusing	: ['VBG']
who	: ['WP']	representation	: ['NN', 'NNP', 'VBZ']
class	: ['NN']	close-core	: ['JJ']
stronger	: ['JJR']	graphs	: ['NNS']
movie	: ['NN']	dijk	: ['NNP']
impression	: ['NN']	emerging	: ['VBG', 'VBZ']
selection	: ['VB', 'NNP', 'NN']	text	: ['JJ', 'NN']
high-level	: ['JJ']	minsky	: ['NNP']
based	: ['VBN']	knowledge	: ['NN', 'VB', 'NNP', 'JJ']
with	: ['IN']	should	: ['MD']
entities	: ['NNS']	candidates	: ['NNS']
reorganizing	: ['VBG']	means	: ['VBZ', 'NNS', 'NN']
familiar	: ['JJ']	words	: ['NNS']
coordinating	: ['VBG']	argues	: ['VBZ']
areas	: ['NNS']	processes	: ['NNS', 'VBZ']
	. []	F-000000	

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view : ['NN', 'V5', 'V5F'] knowing : ['NN'] exists : ['NN', 'V5Z'] frame : ['NN'] exists : ['NN', 'V5Z'] frame : ['NN'] computer : ['NN'] operates : ['NS'] responses : ['NN'] enhanced : ['V5C'] placed : ['NNF] pattern : ['NN'] encade : ['NNF] written : ['V5C'] nanha : ['NNF] written : ['V5C'] nanha : ['NF'] written : ['V5C'] nanha : ['NF'] written : ['V5C'] nanha : ['NF'] written : ['V5C'] boundary : ['NN'] ability : ['NN'] boundary : ['NN'] ability : ['NN'] key : ['JJ', 'NN'] problem : ['NN'] key : ['JJ', 'NN'] problem : ['NN'] index : ['NN'] taking : ['Y5C'] freely : ['SE'] taking	brain :	['NN']	contain	: ['VBP']
requirement : ['NN']	qi :	['NN']	cycles	: ['NNS']
requirement : ['NN']	view :	['NN', 'VB', 'VBP']	knowing	: ['NN']
humans ['NNS', 'JJ', 'RB'] operates ['VBT'] commuter ['NNS'] interacting ['VBG'] placed ['VBN'] pattern ['NNS'] problem ['VBG'] pattern ['NNS'] progress ['NNS'] progress ['NNS'] progress ['NNS'] problem ['NNS'] probl	requirement :	['NN']	constructing	: ['VBG']
humans ['NNS', 'JJ', 'RB'] operates ['VBT'] commuter ['NNS'] interacting ['VBG'] placed ['VBN'] pattern ['NNS'] problem ['VBG'] pattern ['NNS'] progress ['NNS'] progress ['NNS'] progress ['NNS'] problem ['NNS'] probl	-		_	_	_
computer			operates	: ['VBZ']
responses : ['NNS'] interacting : ['WeG'] placed : ['VeR'] pattern : ['NN'] rcb- : ['-RRB-'] incorporating : ['WeG'] nanba : ['NNF'] written closed : ['We'] written closed : ['We'] progress : ['NN'] boundary : ['NN'] ability : ['NN'] linguistics : ['NNS'] efficiency : ['NN'] key : ['JJ', 'NN'] problem : ['NN'] inguistics : ['NNS'] commenting : ['WeG'] freely : ['Ba'] taking : ['WeG'] minds : ['NNS'] etc : ['NNS'] minds : ['NNS'] m			=	: ['VBN']
paled 'VeN'	=		interacting	_	_
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Injustics				-	·
key : ['JJ', 'NN'] problem : ['NN'] jon : ['NB'] commenting : ['VBG'] freely : ['RB'] taking : ['VBG'] minds : ['NNS'] etc : ['FW'] streams : ['NNS'] otherwise : ['RB'] comment : ['NN'] relevant : ['JJ'] distinguish : ['NN'] sequences : ['NNS'] table : ['NN'] equips : ['VBZ'] addition : ['NNN'] equips : ['VBZ'] addition : ['NNN'] equips : ['VBZ'] addition : ['NNN'] epuips : ['VBZ'] addition : ['NNN'] expect : ['NNP'] diversity : ['NNN'] senses : ['NNP'] diversity : ['NNN'] senses : ['NNP'] generic : ['NNP'] novel : ['NN'] sup: : ['NNP'] thus : ['RB'] generic : ['NNP'] material	2		-	_	-
jon	-			_	-
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minds : ['NNS'] etc : ['FM'] streams : ['VBZ', 'NNS'] otherwise : ['RB'] comment : ['NN'] relevant : ['JJ'] distinguish : ['VB'] sequences : ['NNS'] table : ['NN'] equips : ['VBZ'] addition : ['NN'] trajectory : ['JJ'] indicators : ['NNS'] senses : ['NSS'] diversity : ['NN'] senses : ['VBD'] subspace : ['NN'] sensed : ['VBD'] general : ['JJ', 'NNP'] novel : ['NN'] cvs : ['NNP'] value : ['NN'] cvs : ['NNP'] value : ['NN'] supply : ['NNP'] pictures : ['NNS', 'NNP', 'VBZ'] supply : ['NNP'] pictures : ['NNS', 'NNP', 'VBZ'] supply : ['NNP'] thus : ['RB'] supply : ['NNP'] thus : ['NNS'] supply : ['NNP']	2	-	_	_	_
streams : ['VBZ', 'NNS'] otherwise : ['RB'] comment : ['NN'] relevant : ['JJ'] distinguish : ['VB'] sequences : ['NNS'] table : ['NN'] equips : ['VBZ'] addition : ['NN'] trajectory : ['JJ'] indicators : ['NNS'] senses : ['NNS'] diversity : ['NN'] coherence : ['VB', 'NNP'] subspace : ['NN'] sensed : ['VBD'] general : ['JJ'] novel : ['NN'] general : ['MNP'] value : ['NN'] will : ['MD'] pictures : ['NNS', 'NNP', 'VBZ'] supply : ['NN'] ekin : ['NNS', 'NNP', 'VBZ'] generic : ['JJ'] unity : ['NNS', 'NNP', 'VBZ'] generic : ['JJ'] unity : ['NN'] generic : ['JJ'] unity : ['NN'] difficult : ['JJ'] units : ['NN'] automation	<u>-</u>		3	_	
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distinguish : ['NN'] sequences : ['NNS'] table : ['NN'] equips : ['VBZ'] addition : ['NN'] trajectory : ['JJ'] indicators : ['NNS'] senses : ['NNS'] diversity : ['NN'] coherence : ['VBL'] subspace : ['NN'] sensed : ['VBD'] general : ['JJ', 'NNP'] novel : ['NN'] cvs : ['NNP'] value : ['NN'] will : ['MD'] pictures : ['NN'] suply : ['NN'] ekin : ['NNP'] suply : ['NN'] ekin : ['NNP'] generic : ['JJ'] unity : ['NNP'] generic : ['JJ'] unity : ['NN'] garter : ['NBR'] unity : ['NN'] automation : ['NS'] transformational : ['JJ'] architectures : ['NNS'] transformational : ['NN'] keep : ['NS'] transfo				_	
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indicators : ['NNS'] senses : ['NNS'] diversity : ['NN'] coherence : ['VE', 'NNP'] subspace : ['NN'] sensed : ['NN'] general : ['JJ', 'NNP'] novel : ['NN'] cvs : ['NNP'] value : ['NN'] will : ['MD'] pictures : ['NNS', 'NNP', 'VBZ'] supply : ['NN'] ekin : ['NNP'] murphy : ['NNP] thus : ['RB'] generic : ['JJ'] unity : ['NN'] smarter : ['RBR'] unity : ['NNS'] difficult : ['JJ'] material : ['NNS'] automation : ['VB'] transformational : ['JJ'] architectures : ['NNS'] contribution : ['NN'] keep : ['VB'] center : ['NN'] neural : ['NNS'] modeled : ['VBN'] patterns : ['NNS'] sets : ['NNS'] audio : ['JJ', 'NN'] less : ['JJR'] hybrid : ['NN,' JJ'] sources : ['NNS'] underlying : ['VBG', 'JJ'] rest : ['NNN'] navlakha : ['NNP'] coordination : ['NN'] rapid : ['JJ'] large-scale : ['JJ'] lattice : ['NN'] attractive : ['JJ'] adoption : ['NN'] attractive : ['JJ']				_	
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general : ['JJ', 'NNP']	-				
cvs : ['NNP'] value : ['NN'] will : ['MD'] pictures : ['NNS', 'NNP', 'VBZ'] supply : ['NNP'] ekin : ['NB'] murphy : ['NNP'] thus : ['RB'] generic : ['JJ'] unity : ['NN'] smarter : ['RBR'] units : ['NNS'] difficult : ['JJ'] material : ['NNS'] automation : ['VB'] transformational : ['JJ'] architectures : ['NNS'] contribution : ['NN'] keep : ['VB'] center : ['NN'] neural : ['NNP'] modeled : ['VBN'] patterns : ['NNS'] sets : ['NNS'] audio : ['NNF'] sources : ['NNS'] hybrid : ['NN', 'JJ'] sources : ['NNS'] underlying : ['VBG', 'JJ'] rest : ['NN'] navlakha : ['NNP'] coordination : ['NN'] lattice : ['NN']	-				
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other : ['JJ'] adoption : ['NN'] attractive : ['JJ'] propositions : ['JJ']	-				
attractive : ['JJ'] propositions : ['JJ']				_	-
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usage : 'VBP', 'NN' smart : ['JJ']				_	-
	usage :	['VBP', 'NN']	smart	: ['JJ']

nenkova	: ['NNP']	articles	: ['NNS']
know	: ['VB']	deployment	: ['NN']
immediately	: ['RB']	insert	: ['VB']
necessary	: ['JJ']	like	: ['IN']
dictionaries	: ['NNS']	loses	: ['VBZ']
become	: ['VBN']	works	: ['NNS']
because	: ['IN', 'RB']	sequence	: ['NN']
shen	: ['NNP']	phenomena	: ['NNS']
searching	: ['VBG']	convey	: ['VB']
neglecting	: ['VBG']	recognition	: ['NN']
happens	: ['VBZ']	o.gross	: ['NNP']
does	: ['VBZ']	chains	: ['NNS']
limitations	: ['NNS']	reaching	: ['VBG']
selecting	: ['VBG', 'NNP']	journal	: ['NN']
expansion	: ['NN']	includes	: ['VBZ']
stage	: ['NN']	about	: ['IN', 'RB']
carried	: ['VBN']	extension	: ['NN']
introduces	: ['VBZ']	carries	: ['VBZ']
software	: ['NN']	owl	: ['NNP']
rendered	: ['VBN', 'VBD']	functional	: ['CD']
1986	: ['CD']	1985	: ['CD']
1982	: ['CD']	synthesized	: ['JJ']
artifacts	: ['NNS']	museum	: ['NN']
popularity	: ['NN']	intention	: ['NN']
describes	: ['VBZ']	slow-motion	: ['JJ']
function	: ['NN']	but	: ['CC']
hu	: ['NNP']	construction	: ['NN']
goals	: ['NNS']	versatile	: ['JJ']
also	: ['RB']	made	: ['VBN']
places	: ['NNS']	whether	: ['VB', 'IN']
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piece	: ['NN']	display	: ['NN']
int	: ['NN', 'NNP']	recognize	: ['VB']
universal	: ['JJ']	denote	: ['VBP']
webpages	: ['NNS']	reflecting	: ['VBG']
education	: ['NN']	humanized	: ['JJ']
functions	: ['NNS']	book	: ['NN']
details	: ['NNS']	turkeltaub	: ['NNP']
conclusion	: ['NN', 'JJ']	kinds	: ['NNS']
ranks	: ['NNS']	agrawal	: ['NNP']
rule	: ['NN']	compete	: ['VB']
volumes	: ['NNS']	4 d	: ['CD']