

- distances of 2 dusters

Single complete any centrals 7. clampication states of - distance presting

- distance presting

- distance of training feet data are one

- encledian front page 33 of 87

- man horeview page

- decirion tree

- decirion tree - convertiset of rules - document - recurrive partitioning based on information gain - come who prove and till - overliting - data standarlization -attros have a conon range value preproceing postprocessing - interal-saled - ratio-scaled - evaluation of damiliers - trial [eror - accuracy
- holdoctet, n-pold cron validation - Evaluation - confinia matrix, preciniar, vecall, f-1 - precinion, recall, 6-1 -entropy purity i ---- score (prob that ex belongs to tre dans) - madentes whenion / jules desses sepandian

			-) Imposed Search - node expansion based on some estimate of distance to good
-44		T(day)	- node expansion based on some estimate of
- 14		7/14	distance to good
-11-		THE	
			(best post reach)
			howristic for to distance to good
			- grady bys - 1 hourstoc be is used by expansion
	MAC I		-A -> g(n)+h(n)
- 13			- Local search of phinwishion
	de)		- heldeling (gradient accent a clearent) (local mexica)
	4.		the section to the section of the se
			- Smiletel ameding
-			- accept bad moves with prob
	complete	1100	- gerth'c algorithm (Vanden, milete, cronover, lot
	dr, dyth)		
01-0			-> Crane playing Ms
	Bidendard		Concerciseout - minage Chest-more with
111		21	-game trees -alpha-beta proming Types -evaluation pretion
)		(for tound pontron)
	-	complexity they, depth)	dr, depth)

	045EL 1 3
4 Knastedge representation and Logic	-inferencing
	co.Th. vules
-knowledge based agent	like {a→b, a3=>bb)
	- 1kB12
- Knowledge base	- Unear with hern clauses
use	(abnort 1 treliteral)
Organifical Firstocks	
propositional Firstonian Logic	- First Order Legic - chjests, relations (arrig) constate propulies fruitian
-veaming who also the	- chiech relations (arrity) constate
ale.Co.	anniher Touthan
- Looke NoteSal	
- Sulmes of 87	- quantites
116W 11 39 01	44 3
previo page	(forall) (forsere)
- reasoning win infraring - Logic Notesale. Co. UK - Judines rom - Logic Notesale. - Judines rom - Judines rom - Marie Ro	Universal Scribbins
- model: true /false	- equality
	- cloud world auuphion
- Extrailment	a internal se
- inference - redg in sound, complete	4
	(white) = convert to propositional logic (a Cathinary) = generalized induspane to Find/ Biland chairing
- Propositional logic	(white) God (behad above)
- Syntax	- resolution
	(Convert to CNF) yours
7, V, A, 3, 63, T, F	Skoleni sehian general

5. Map Reduce & Madrop nave node in main mens vy - block placement, dat a coredness, Notessale. C) scale-out, hide rys details from progree

- sync is orhers

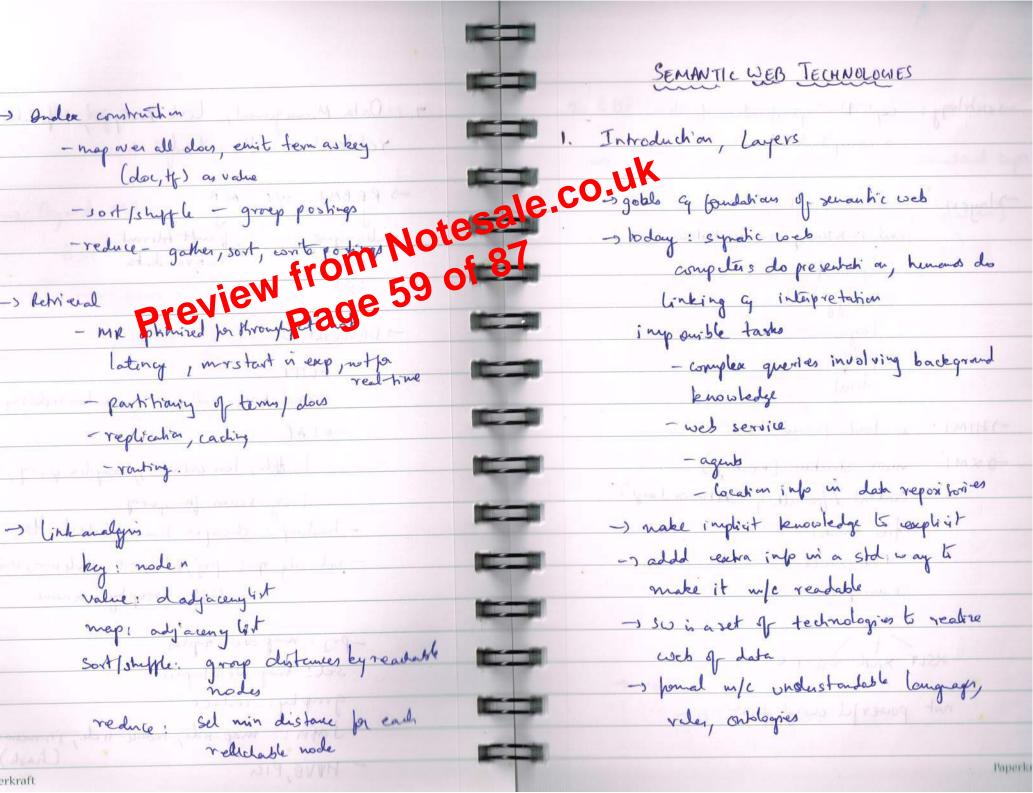
(count + shared resources a c

- distributed acres shuctures

- indexing -) scale-out, hide rys details from programer - sync workers (com + shared resources a den) - prog models lower (mpi, threads) - DP: - martifsdave, prod-cns, -indexing Shared worker guenes tree hash -) map - Shuffle & sort - reduce - consistent hashing - distributed hash directories Extract group aggregate - Amazon dyamo - BTree - Bigtable - BTree + non-iodeanse liles -) MR - runhome handles - scheduling data model: Youst key (tublets) - data distribution - Segn c - error cy faults - Coordination & dealing with failures Show while I would be EASH -) DFS + LFS

7. Data Management, Link Analysis, information retrieval in the cloud) value - key inversion - processors + conjew page 58 ct 87

- supersteps - local corp + Count barrier sur. - sort by value Beyond MR: multipurpose fault tolevant
ACID native data
SGL -) DB workloads - OLTP real-time, small queries, random reads cy write -pregel, giraph, hama batton, less concuer ey, complex query, large scans for query The second section with - hadoup: cheaper than paralled offs - red alg ops: prj, sel, jain, carterian, union, and Marie of strangering diff, group by, rename ار منصوب - pri: map over tuples sel! nop over tiples group by: reduce ال مسرود ا jorin: map side, reduce side, in nemony - HVVE, PIG



SEMMILE GLE TROUBLEUR 2. RDF pages - 1 nblogy: explication of vs: un code turi

xml + nanespace t xmlsdera

Notes 10 - resource description francework

ontology verview Page 60 of - 87

logic

logic

The source description francework

logic

The source description francework

logic

The source description francework

The source description francework are seen to the seen (mathematical Copic) ayers! un code turi Page 60 of 87 -> s, P,o all are unis -> triples, xul syntax is about presentation - black node XML: more shuchure (nesting) content / formalting (data exchange) - container elevents free model DTD/XML nanespite XSL. XSLT XPM XSL-FO -> veiticah'an not powerful enough for sw - sthat abt start

Paperkraft

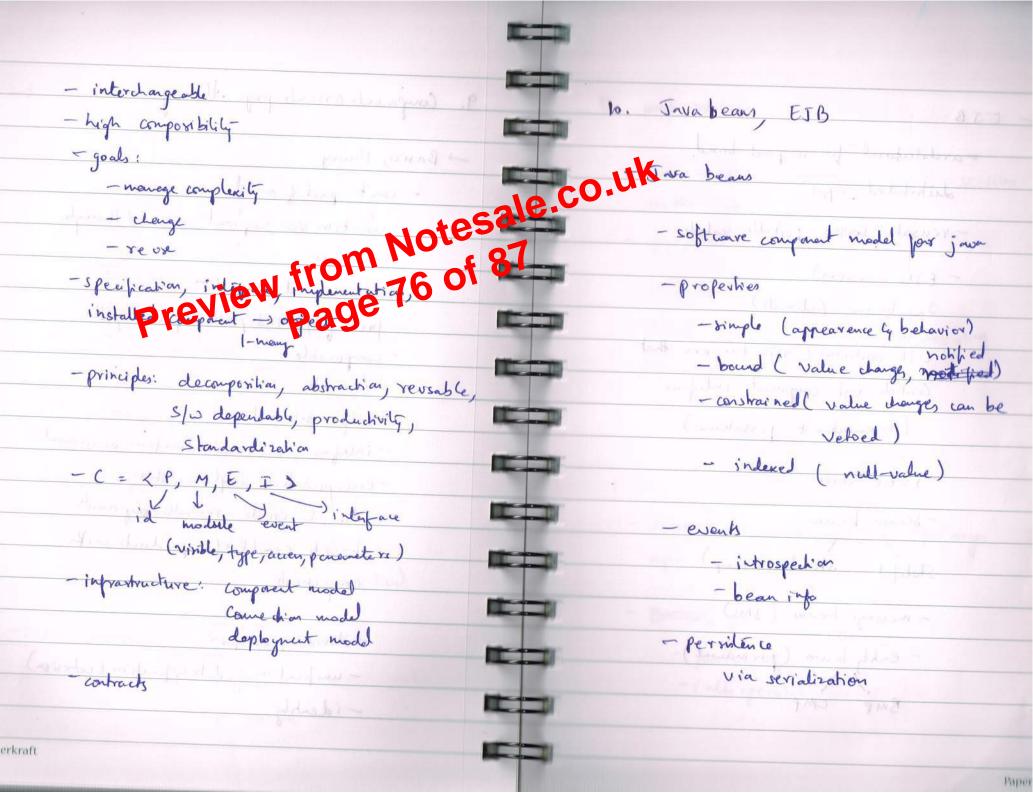
- reslove incorptabile i de pars 6. Typing, Memory management - define men op without changing languotes are to be every upwalar, types of data for cohich it is applicable

- only I ilstance of a claim? areas - weak / shang typing prevent value fore type to be treated as another - for an diject to control references to it - Static / dynamic typing

Couptité time

(no-type to variable)

clining pry. - encapsulate request to it -> Gadory - Create object coikout exposing instantiation logic to dients - Activation recols: allocated when proc is ا جُرِّ entered a dealloc when proc is earlid ر سرک ا Cimpo needed by ringle of proc) - depre 1, week diets fit



- deadlock 8. Operating System -I/o, File systems urada wait from Notesale.co.uk -devices

- resource eview graph do 85 of 87

- deadlack press data volt unit data enov vep conditions transfer -device controllers -1/0 pro intempt DMA (future process reques) - bartker algoith - device driver datu resource -buffering Shear - Memory Managuet -disk performere parameters - projectative address - actual address -rægister: base > framlation Seek not accent time latery time bound - parkitioning, placement - best fit disk scheduling broad dynamic - FIFO, SSTF, SCAN bragmentation) disk cade, LRU - virtual memory - paging (replacement, tables, locality) Paperkraft