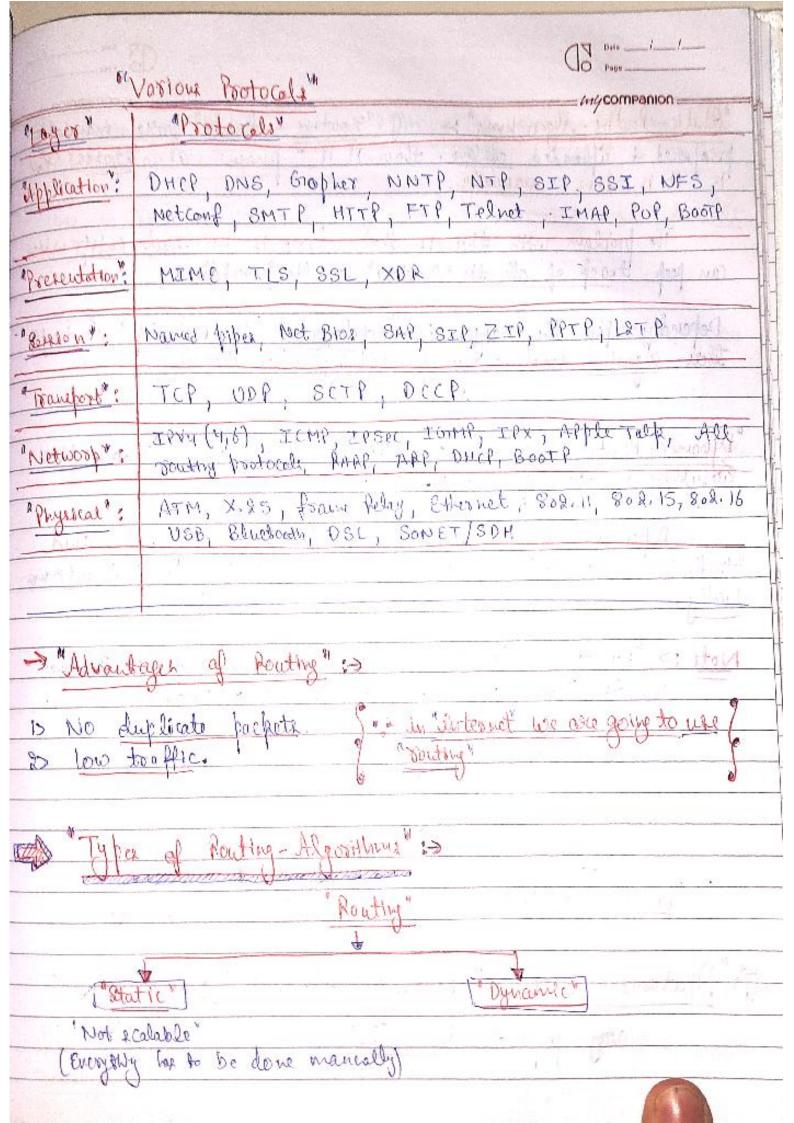


"Flooding" & 34 means taking a "packed" from incoming inderfaces a putting it on all the noutgoing interfaces" except the one on which "It has a revived. "Advantages of Flooding" :> 1> No. ("Fouthy tables") acce required. 2 (Stortest path) 12 always (quaranteed). (because "pockets" are send on all the outgoing parties 3> (Highly reliable) >> Since we are "landing packets" towards destination through all the ways paths even if and path is down the packet might reach the destination through after path. "Disadvantages of Pouting" :> (composed to flooding) 1) Routing Jables are required. (At every router we much stop the parket of do nome processing on it.) 2> Shootest path is not "quaranteed". (3+ depends on the algorithm we use) a parted to destration is "itself down".

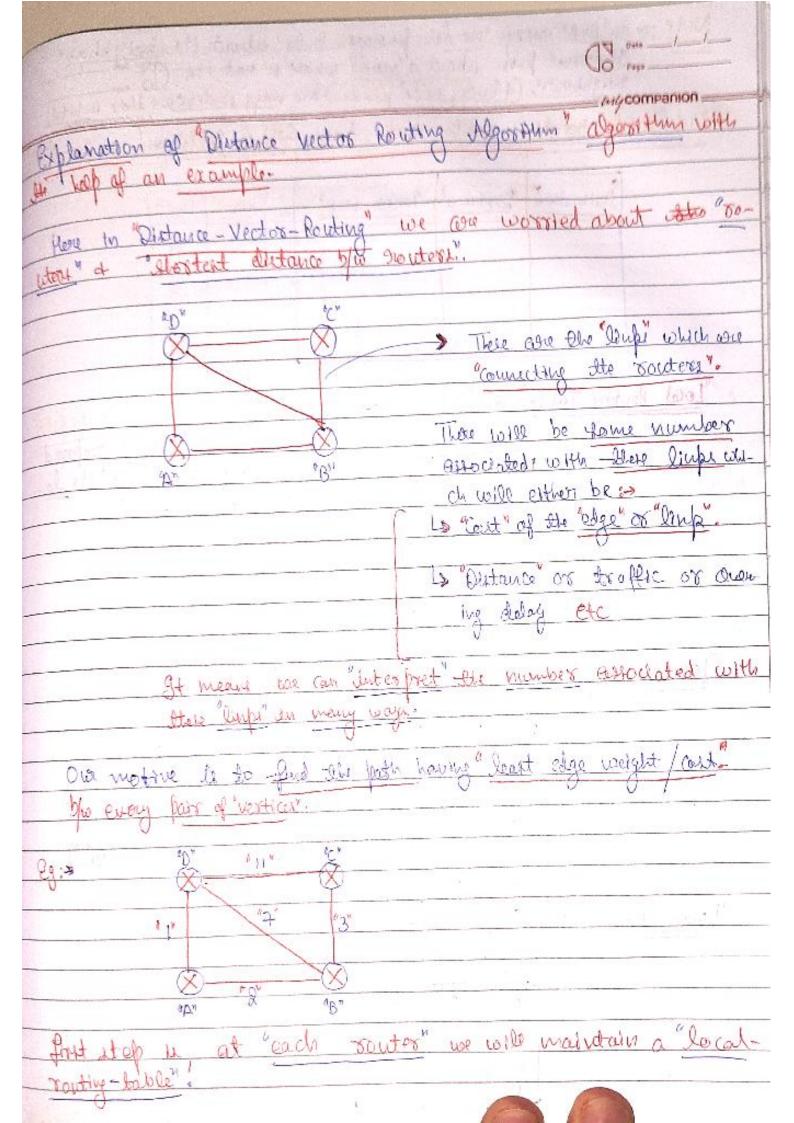
:> "Dis advantages of flooding":>> .

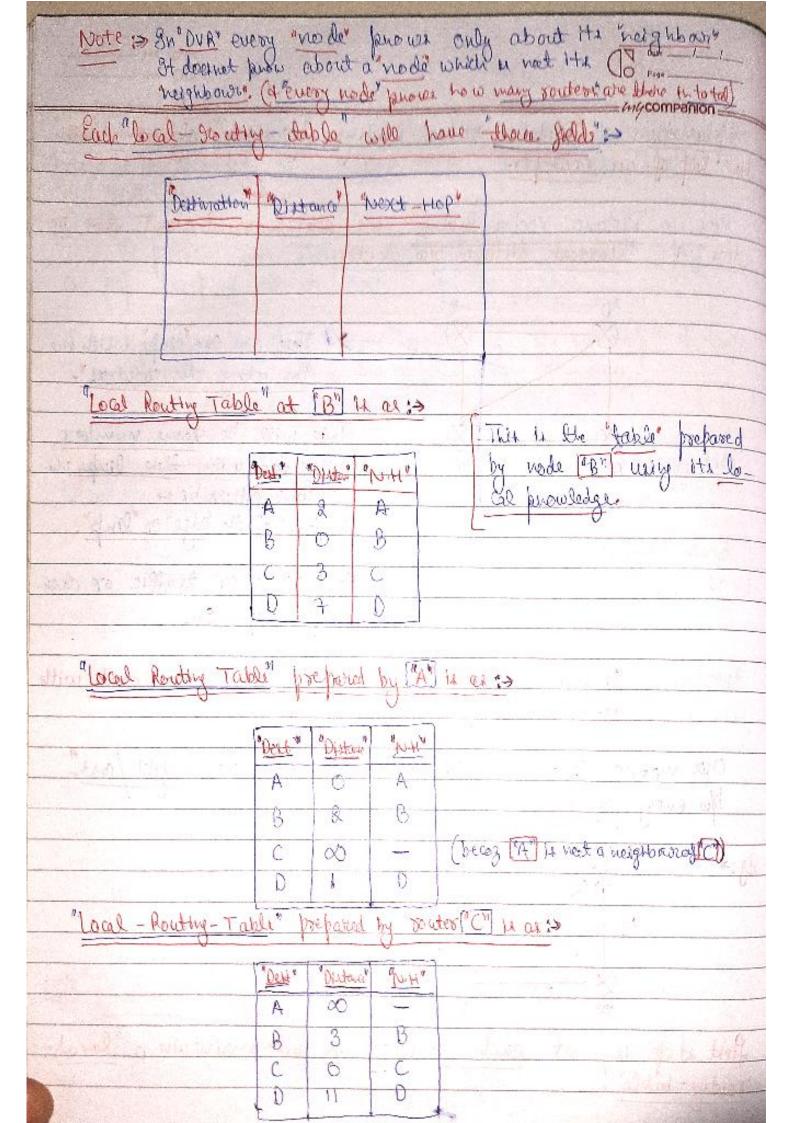
1> Deatheation 12 goly to get many peoplets (supplicate packets will arrobbe)

85 Since a single proper is multiplied many times, then tooffic is

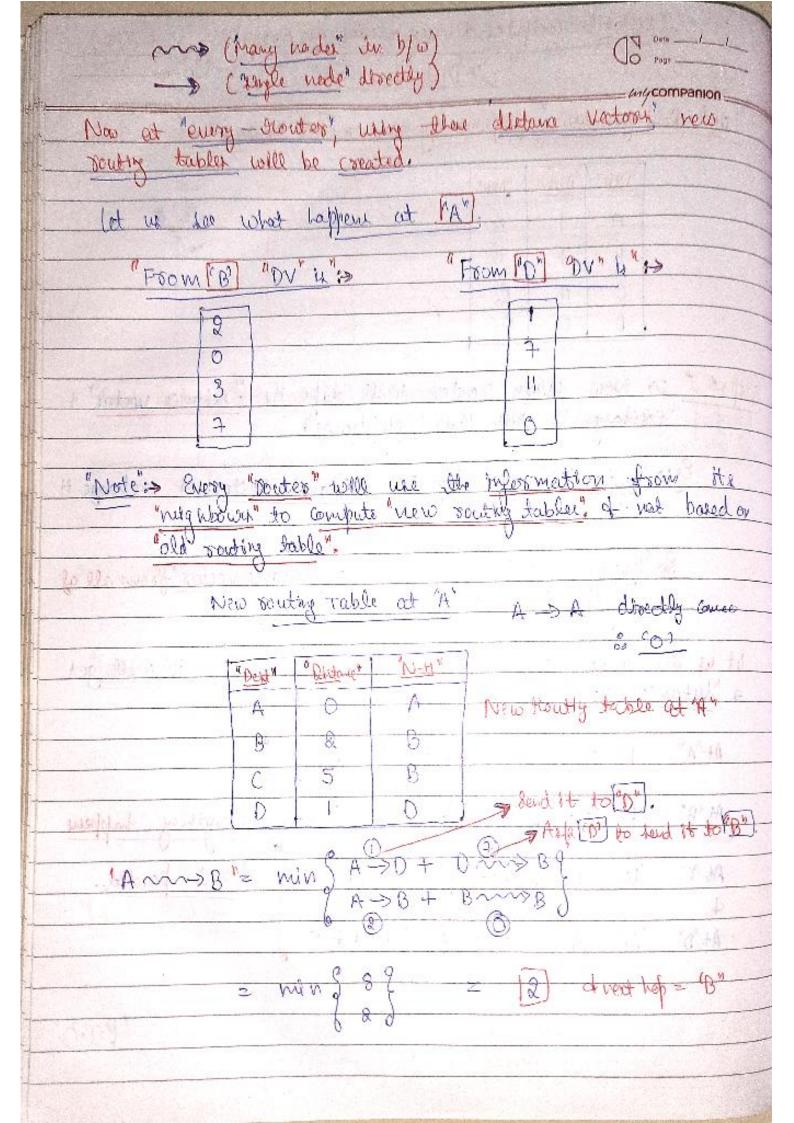


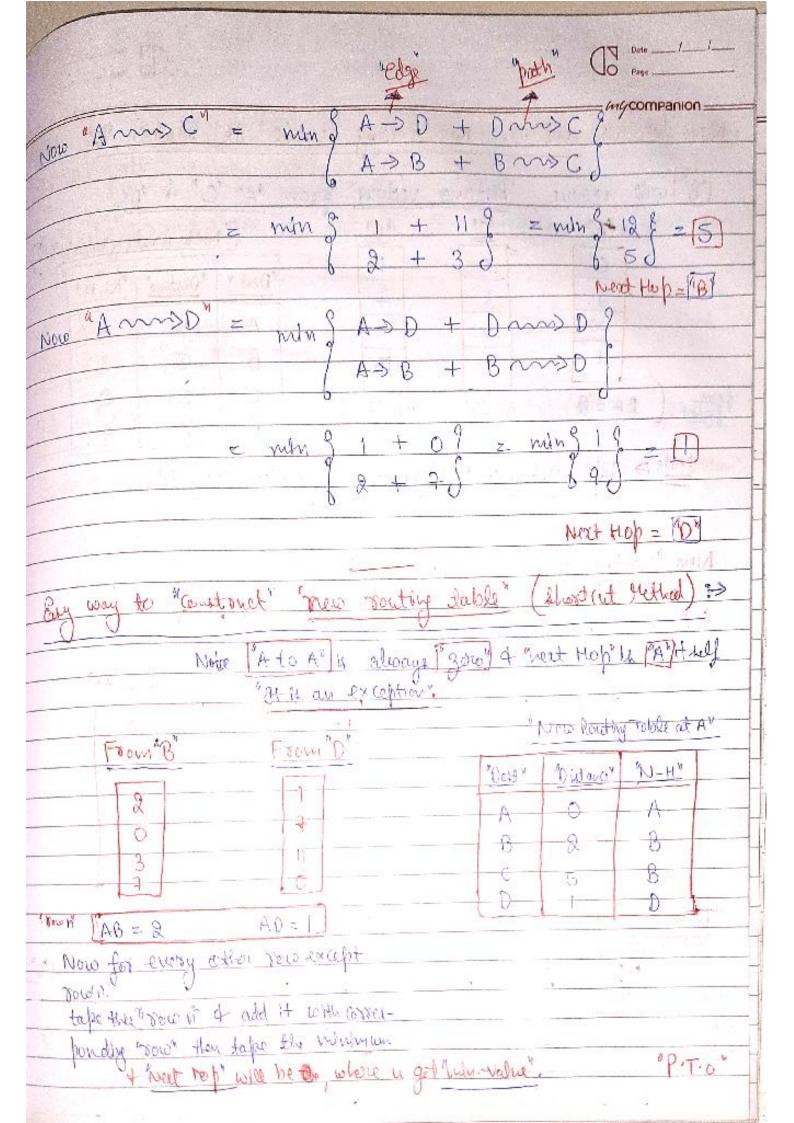
"Static - Routing - Algorithms" in 39 "Growthy Labler" also manually prespected of uploaded affline. Han It II person as "Static" to 1/2 It is done manually. can peop trock of all the "Scarders" in the "woodd". Depending upon the changes in "Appology of the Network" of traffer these algorithms donat change the voluting tables themselver. Dynamic-Routry-Algorithmy ">> Those is no manual intervention everything in done by the "router" itself. "traffic" then algorithmy will change the "routing table" automs
tially. Note:> "Dynamic - algorithme" are generally used in Juland whomas "Static - Racting-Algorithms" are not used. " Dynamic Routing Algorithms" "Link - State houthy" Bidance vector forthy. Distance - Vector - Routing Algorithm":> very popular in 1980's



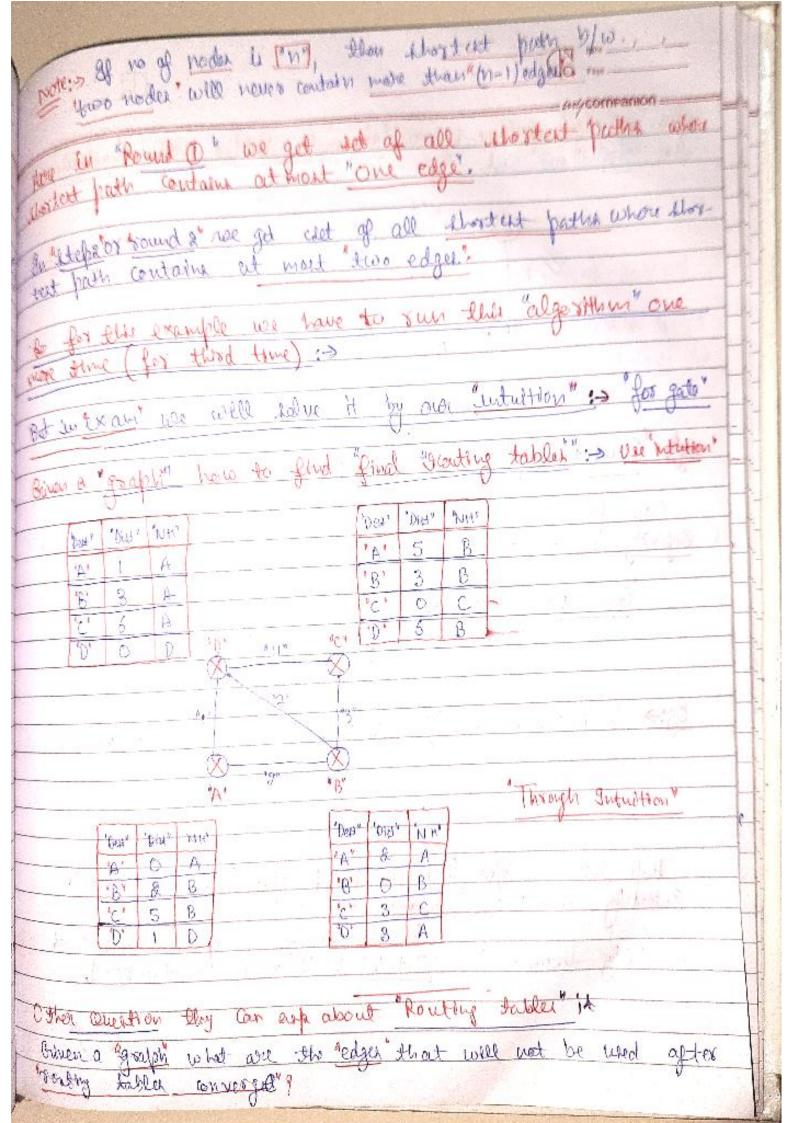


* Vector in Computer science means an Array
> Distance vector" (3 0000)
Maria de la companya della companya
Toal-Routing-Table prepared by souters FDY in an is
A TOTAL STATE OF THE STATE OF T
"Dext" Dixtra" "NVH"
A A A CONTRACTOR OF THE PARTY O
8 7 8
C II C
000
Been 8" :> Now every scouter will dape its Eliplance vector + exchange it with their "neighbords"
exchange it with their "neighboury"
Egis Router "C" will take its distance - vector of exchange it
So "Every nede in going to get a "dishano-vector" from all of Ha neighbours.
So Every hode it going to get a surfamo-vector from all of
Ha heighbourk
a "Listance-Vector" from ["B"] of ["D"].
the often what happens ou pouce of the
& Mitand- Negos 32000 Color
At"A" "DV" we received from B, 40
At B" 'DV' asia received from A, C & D. Everything happens
At "C" "DV" are received from B, of D bone in parallel.
d
At "D" 'DV' and received from A, B4 C
P.T.O"



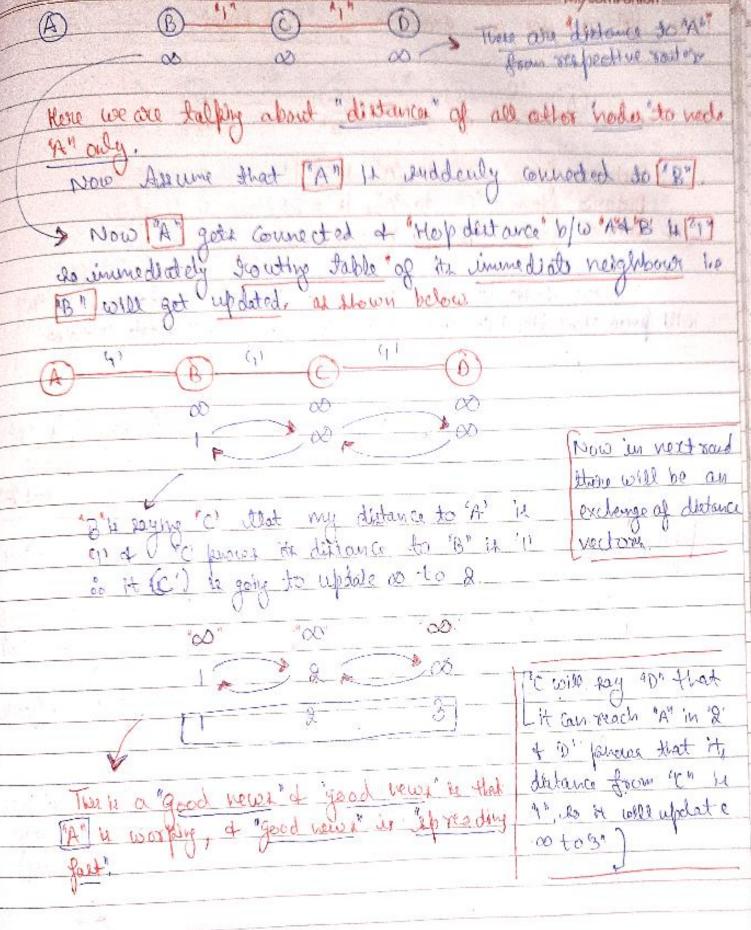


				C.	544	
Now let us un	No Non	"- due 4-h0	n 1 .4	ing .	companion	
Fax)		ZOORNA WONE	2 03	20 mg = 1	N.	
(B) with receive Butano vectors; from "A" C" & "D"						
	10	10" 	[" Nich "Routing to bring a			
2	3	1	'Dest."	* Olatona	NICHT	
8	0	11		8	A	
	11	0	B	0	-8-	
THUR (BAZA)	BC 23"	BD=17"	C	3	-	
		0	U	3	A	
Note:> Take "du	tourle <u>ved</u>	tobe from the	victor 8	oude"		
10 - 111 - 1						
New "grouting-table" at souter "C" :>						
"C" will receive "Distance - ve done from 1008" of 100						
	B "D" [Now "Routing table" at b"]				od (t)	
19"	479	- <u>"Ded"</u>	Chitchia	N-N-	" N=HV	
13.	131	4	-5	В		
7		B	3	В	A CONTRACTOR	
(CB = "3")	CO=[914]) .	C	10 -	СВ		
			,			
New gouting-table	11.5	and the latest and th		1/2	= 5/4	
"D" will receive "Distance - vectors" from "A" "B" "C" [Niw routing toldled!						
DA 2 11 0 8	00	"Dot"	MOjston	Dr rV	N.H.	
	3	A B	9	11 100	A	
	7 11	S S S C add	100	144 trei	B 1	
	لسا ل	10	0		U J	

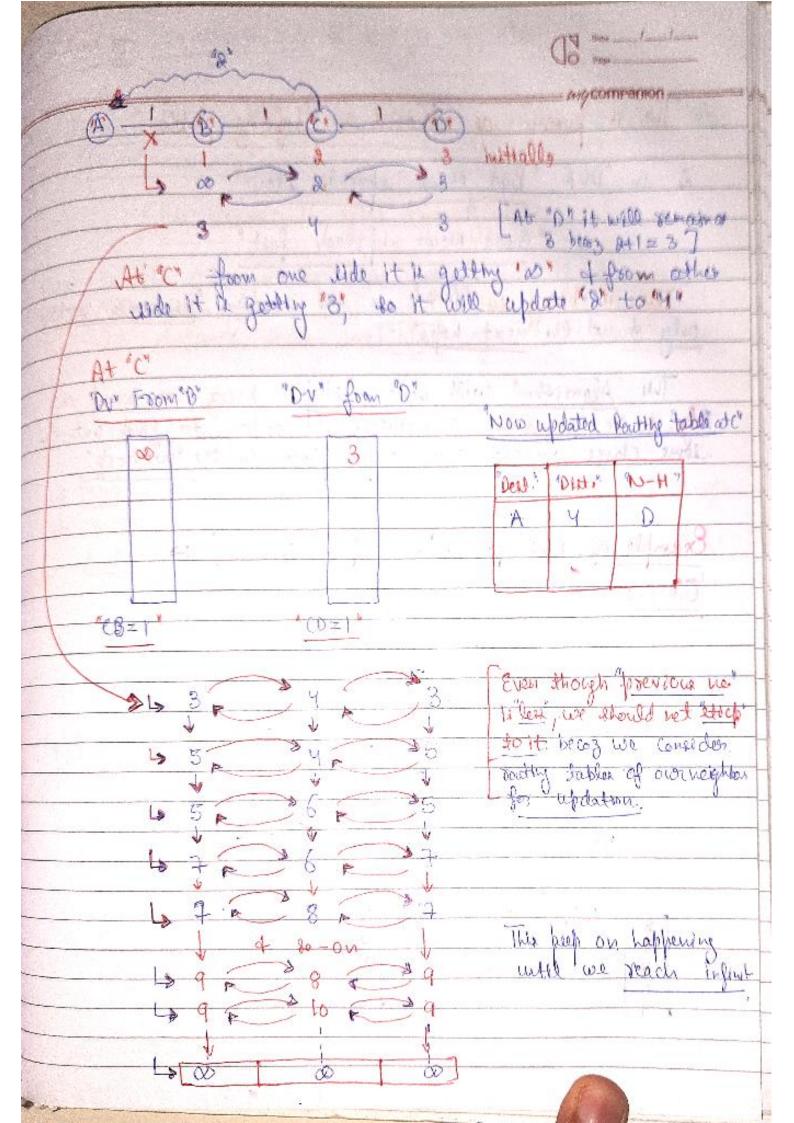


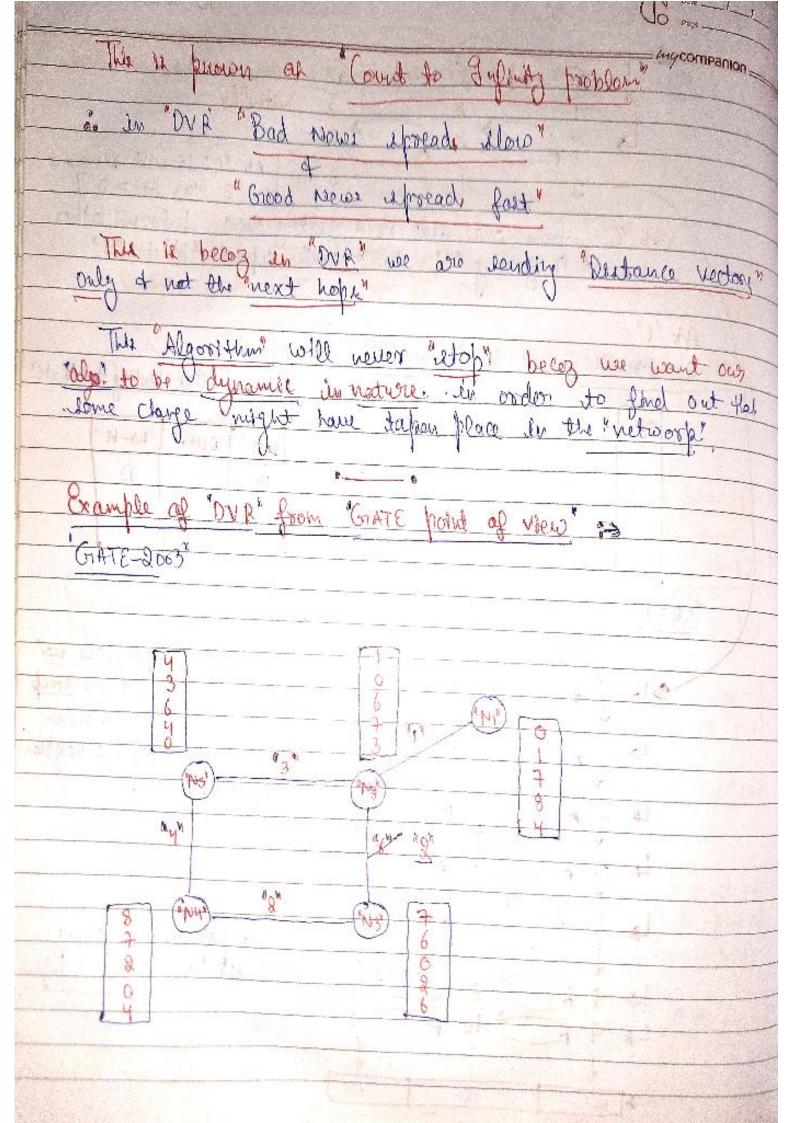
top distance b/w Botc k 1" of b/w C+ D/h also an Justially assume (A) is not connected he Distance from "B" to "A" 12 200 & Dividerly distance from "C" to A" 4- "D" to "A" Is also 100"

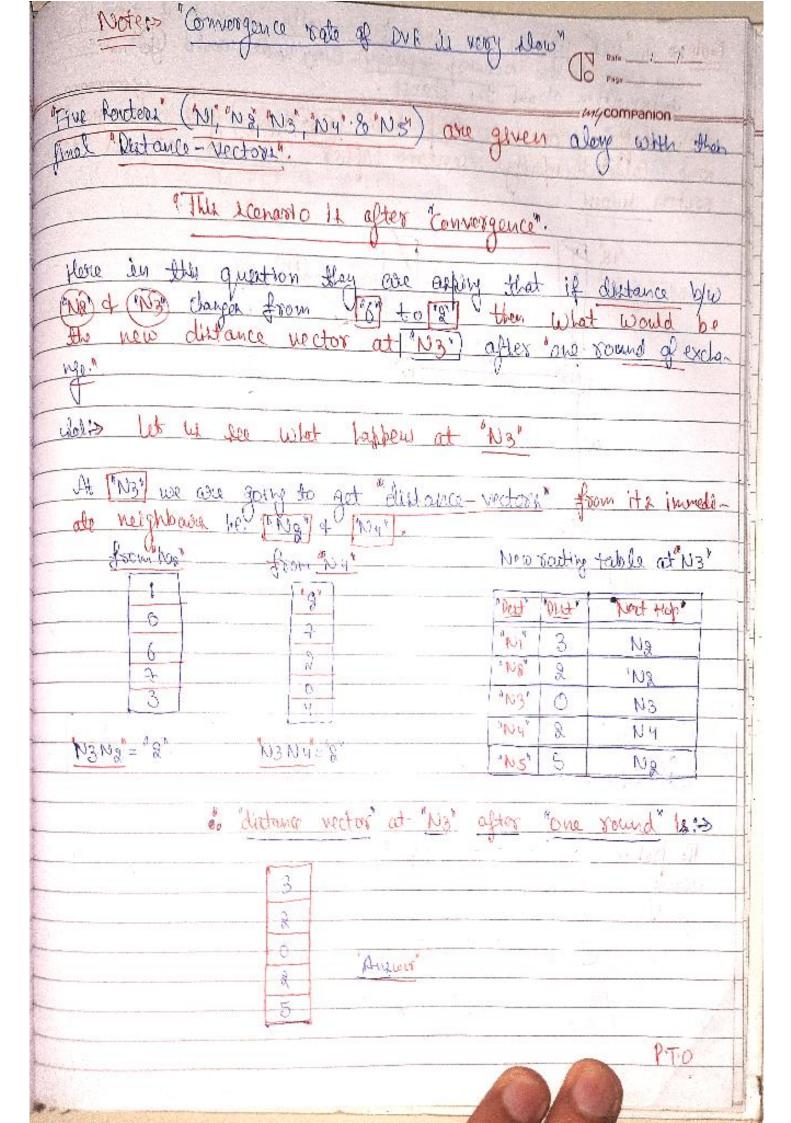
Sufficity Problem":>

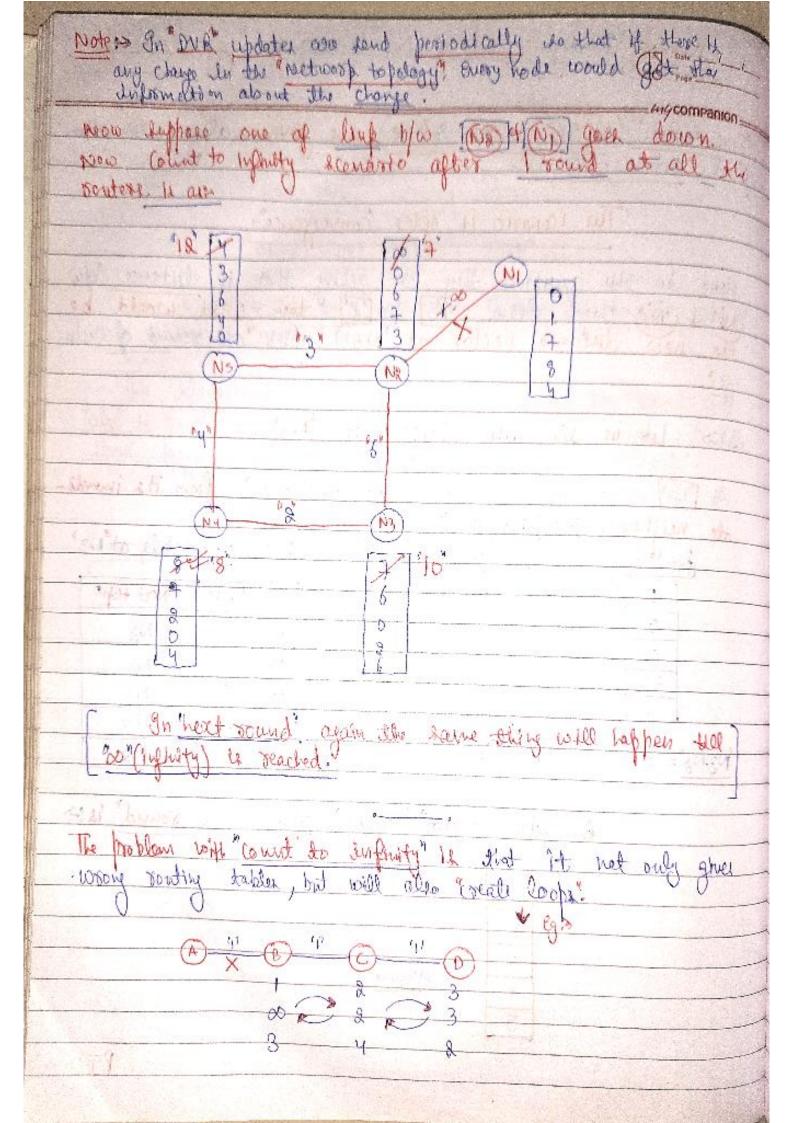


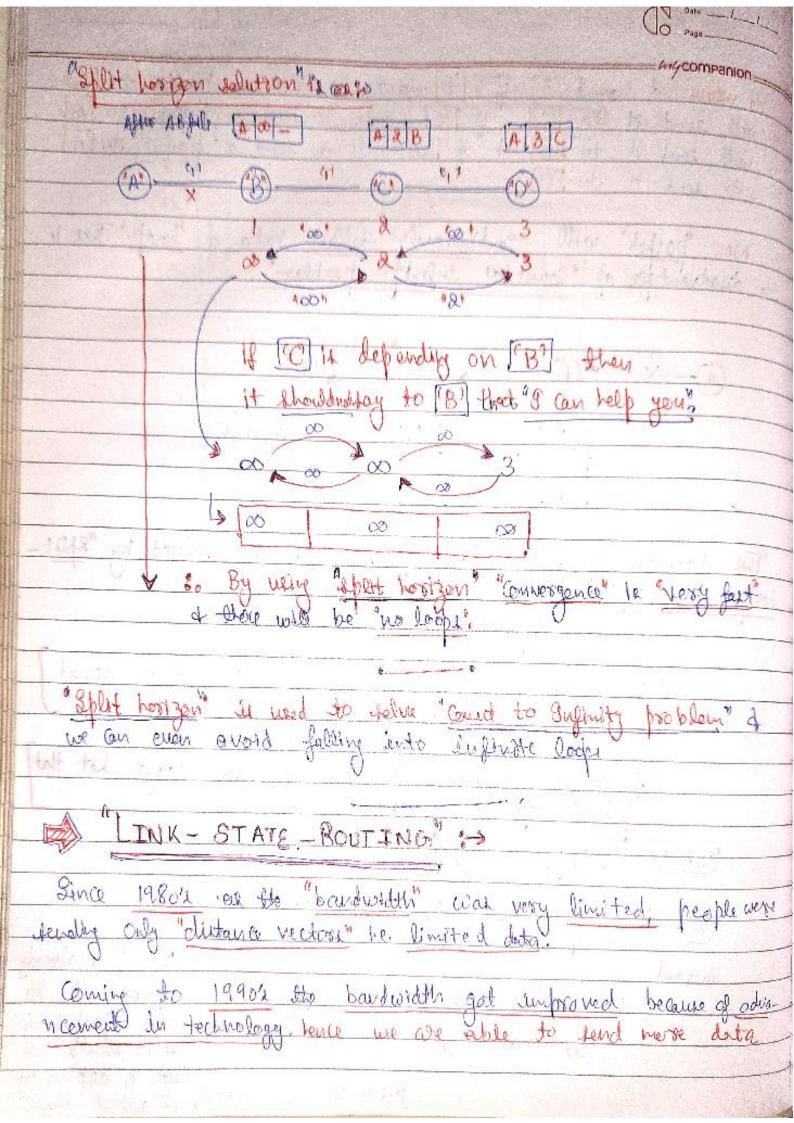
engcompanion : Now let us see an example of Bad rooms B" to "A" 12 2" 1" Distance Low ach to "A" 12 = 121 Dutance from op" to MA 11 = 13" d ladance from Now huddenly the long b/10 "A" of "B" 12 down. So "B" so tot or stoppe also if to glato banner swan kad soult trade word when pear (cot o) doesn't provo anything about "A" we prove that "southy trables" wire updated at a proficular router based on the information it receives from its het groows! when exchange happens, I'C'I's loging to (B) that I can take you to MA" In 's topodistance" but It is not early to that Pitz path is through FBM only (that is a markage because use exchange only the distances, but not the heat Then (B) will accidentally think that [C] must be that I it sail is the next hop. (the is an error here) State

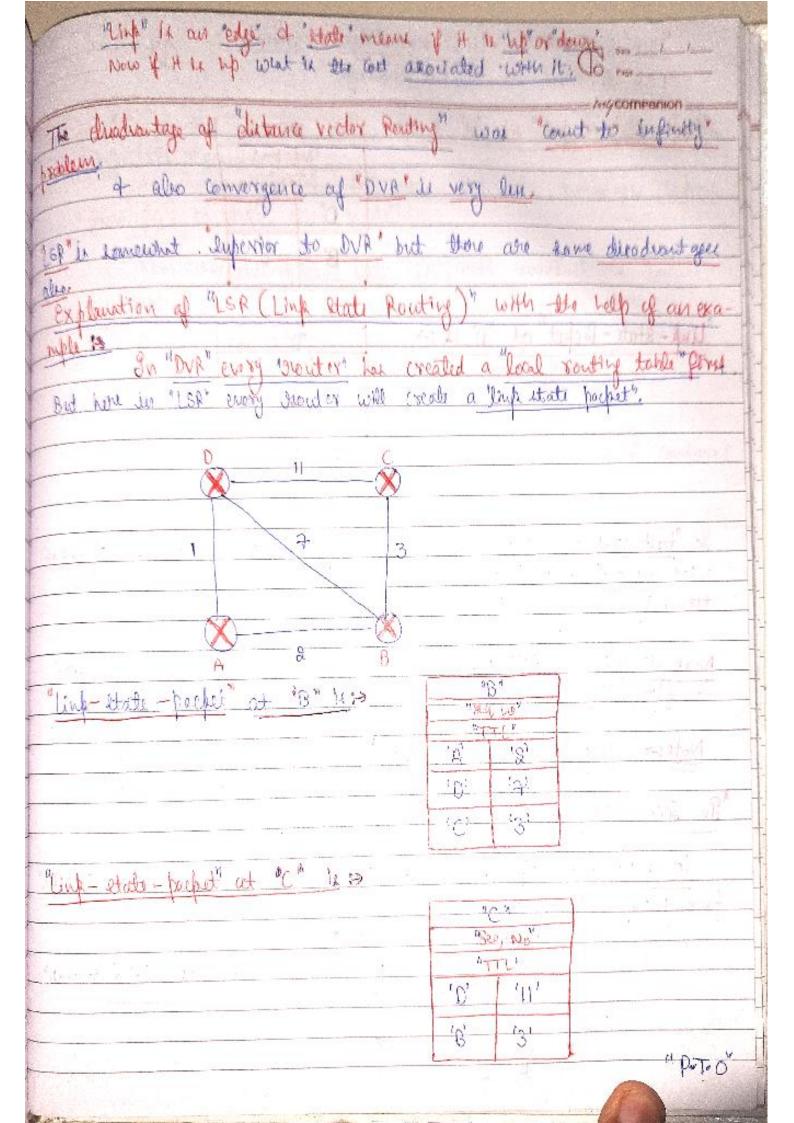


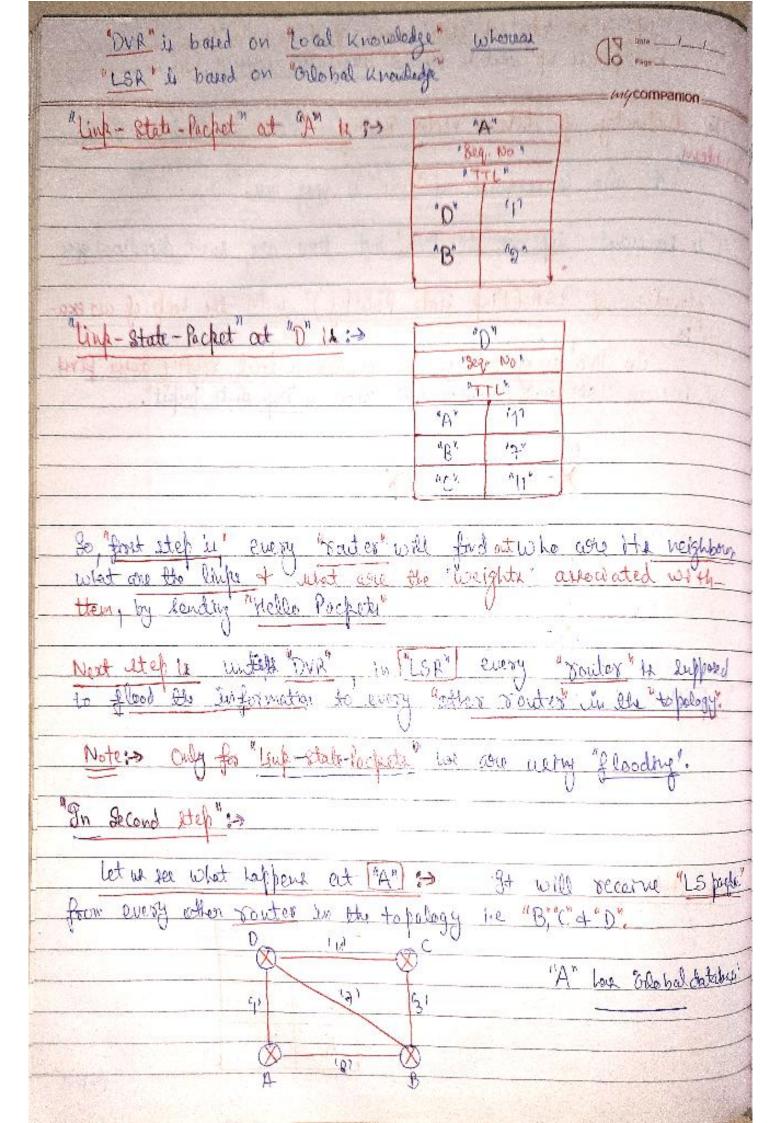












00 see ------

Now "A" at the foot will apply "single environ exportent but adjointment to [Dipertros algorithm]. Alm M' will find out what is the Western both from A' to every other mode Now weig this Global Data, [A"] will construct its Tocal Routing Table " :> listy "Dijkitog's alge" W.H. a) interp "Convergence" is "fact" compared 100 to DUR" Similarly for other "sauteri" we are autruct their local fouting Some Roblems with LSR (Link-State-Routing) :> b "Heavy Traffic" due to flooding. Fregy "ISA packet" will have 19 per us to diffinguish by a lastest packet of deloyed perfe 4 H als las a TTL"

1.1.0

DIA :

a mini dingga

	VO Fage
"Difference blus "LSP"	4 DVRW :->
	"LSR" (link State Routing")
1> Shrented in 19804	15 Invented in 1990:
8) Bandwidth seq. is less "flooding not used"	8> Bandwidth reg. 12 more becay
3) Based on "Local-Knowledge" (update southy table" only using local perowledge)	3> Based on "Global-Knowledg" (Each "Printer" prowns about the entry tell notwoods.)
45 Bell man Ford algorithm 45 Bell man Ford algorithm 46 Not months of any 100	45 Dijkstoor Algorithm 42 wed
But (Not mentioned anywhere) 55 Toaffile" It wasy less.	50 Tooffee Is very bigh?
15 Persiodre upchater andare	to Periodic updata; are done
6001ain find anims)	75 Converger faster
85 Problem of Count to highirty	8> No problem of Count to hulting (becog it is based on global provoledge)
95 Problem of persistent loo-	9> Transient dooping.
ping. (loopewill remain forever)	100 8t is implemented white OSPF protocol.
10> 9+ 12 Implemented whige a Protocol celled "AIP"	OSPF protocol.
("Rowly Information Protocol")	
(women automation to an one)	

