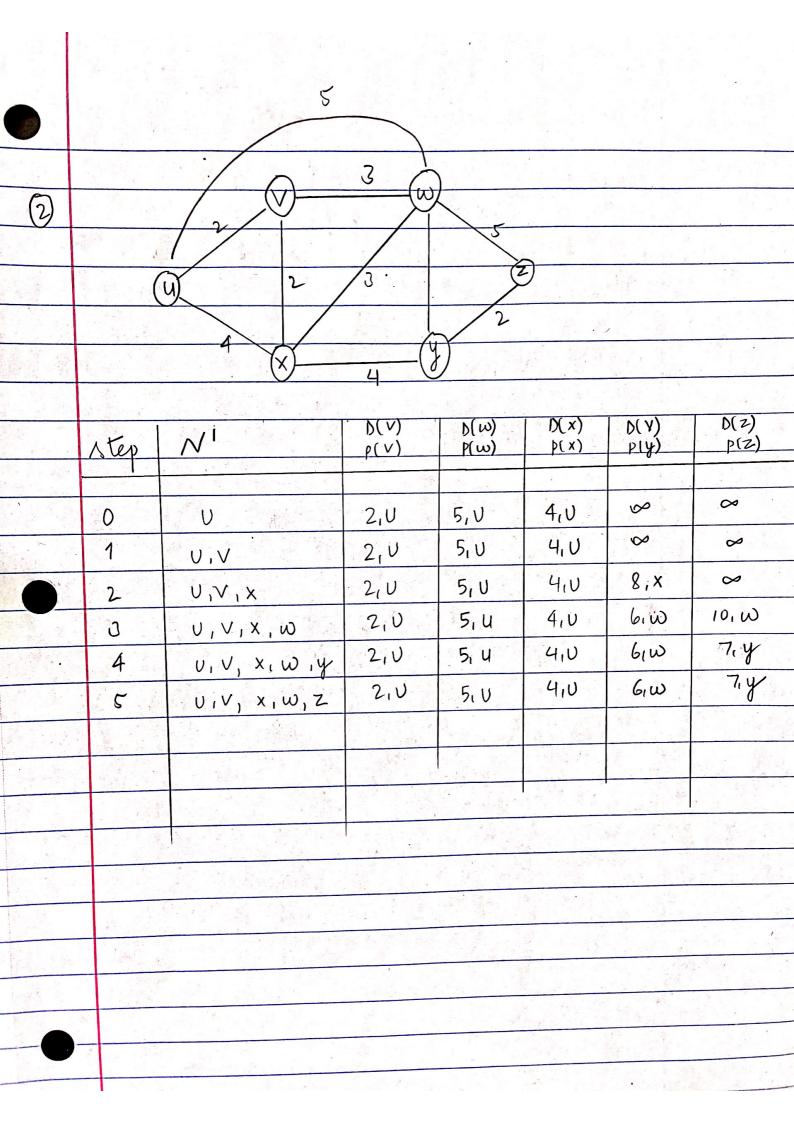
1a)	Mn									
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 = 500	butes							
	480 + 20 = 500 bytes Now,									
	980 480 = 2.042 = 3									
	10, 3 regnents are generated from original datagram.									
	770)	growing	110 years	0,000						
3		37								
16.			, Y							
	length	Id	Fragglag	object						
	1000	n	O	0						
	1000									
	500	in	1	. 0						
	500	n	1 2	60						
	20	n	0	120						
		4								
				•						
			4							
	.16									



(3)	1	11	1	1	1	11			
9)	D	0	0	0	0	0			
	1	1	1	1	1	1			
	0	0	0	0	D	D		,	
	7)		1.1						
		1				7,42			
b)									
	You i	t can	be	WOY	recter	heed	ause	migl	e
							hits		
•	wirth	be	ean	v to	locati	e an	w corr	eet th	e emr.
						Ž 1.4			
				4					
()	10)								
	eyror	won	ls a	West	<u>a</u>	minin	num o	7 2 p	arity
	bits	10)	the	emors	wa	us_	be able	e to	locate
	ans	doe	CLOTY	ected.		.			
							<u>* * * * * * * * * * * * * * * * * * * </u>		
									10
1.9	7				17 A				
		. *** 			36	11k			
				1	1				
									•
		1							
k.									

- Pros - we can share channel exiciently at high load - Cons - it is in sufficient at low load Random Acus Pros - efficient at low was - ringle node can july utilize the channel Cons - There might be collision overhead at high load

(5)	Address of
9	Mac Anure > 74-29-96-88-FF-55
	mac distination -> E6-E9-00-17-BB-4B
	IP Source > 111.111.111
	IP Destination > 222. 222. 222. 222
-	
6	mac source -> 14-23-F9-CD-06-9B
	mae dufination -> 49-BD -D2-C7-56-24
	IP Source > 111.111.111.111
	IP Destination > 222.222.222.2222
8.76	
(6)	mac vourie > 74-29-96-88-FF-55
1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	mac destination -> (C-49-DE-DO-AB-7D
	IP Nource -> 111.111.111
er eff	IP bestination -> 111.111.111.112

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(b) mac address is und to ensure the phyrical address of computer no, it is called physical address and it identifies the devices on a network while on the other hand IP address are wes to identify the connection of network with that device take part in a network so, it is called logical addren. Mac address operates in data link layer and it is hard codes into a desice at manufacturing so, it cannot be changes with time and environment while on other hand, IP address operates in network layer and it is arrigned to device through not twater consignation so, it modifies with time and en vivonment.