18642	11- Computer Networks-SFQ
doctur	12 14- 1PV6 Network dayor
+ 2im	pler header - speed for processing forwarding 1
	Ann Ac to Lastitato Ros
* a	but of IPs -> IPv6 has 16 octos -128 bits -> 3.4×1038 IP Addresse
	eader information—
	* 40 bytes of fixed length (base header)
	* no fragmentation allowed
	4 does not mean MTU = Datapacket
	* mafficelass-similar to IPVY TOS
	* Flow label - new field
	* Payload length - total data + extension header length
	(65535 bytes) [soes not include the header]
	* Next header - new field similar to 1824 Protocol field
	* Hop Unit - TTL
	* Source Address + Destination Address
	(16 bytes) (16 bytes)
(1) E	teusion Headers—
	+ linked-list vibes
	* additional information that does not fit in 40 byte
ole	fixed header can be stored in extension header.
	* which type of header extra information is being linked
	* payload comes after extension header
-	* Next weader - type of weader
	kite
B 11	Pub Address - 128 6145 -> 16 blocks -> Hexadecimal
1	Mex -> 4 binary digits
	16x8 -> 8 octets of 16 bits -> String Notation
	1211: 2001: 0000: 3238: AEDI: 0000: 0000: 1008
1.1	

A) 18v	6 Representat	iou-		20 Sr	John Ho	meadee	V0/7 4	
الارم	Rule 01- omit	leading &	eroes (v).	[Shorte	MIN C	)		
			αφρο: ΦΦΦ				8	
1 1	=> 20311	O LIBOR	000 H20	1016 de	1: 876	A: 181	DB #	
	=> missing <=	algits ar	e assumed	to be &	eading	2600	102.	
-	Rule 02- six	ale contig	uous string	J of onel	more I	6 bit k	oloeks	
Hora	tr	pultaian	of all zeroe	s can be ?	represeu	ted a	4:.	
AL.	1080:010							3000:1
8 1	04050	0.000:	0:1-> 1:	2000		arraterrens	100	
CI I	* Unaccep	table case	- 80+ of m	ione than	1:	OH	1111	
	2200 BB - Mu				O/		1111	Plind
11	18434	FOI(1)27	ta x	1097		1111	1111 (	Mayir.
(10)	* No more	net masks						(
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wallow 4	N Address.	address.	distinguish Jace Most I	Now mar	ookjug ookjug	at the	rok bit 2. Schout	18 and
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+ No broadcast address	"all under multicant" which ser	
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	- Unicast Citobal Address	41-
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	o do painte enougidado alpais - Sa	
	IDR 2000 110 JAssignment	
	Special Addresses	
	1000:113 Global unicast	
	From: 17 - Unique local uni	
1111 1110 10	FE80: 110 dint local add	cesses 1/1021
1111 1111	FF 00::18 Multicast adds	00808 1/25
confidence aggre	a::100:6000:806:1000	llauram + 222x
Special Addressoe - (a)	Unaperified Address - :128	_
<del></del>	+ assigns an address to itself we	reu it doce not
	knowitz own address	
· Junihowa.	* addressing purposes whin a so	ftware
(b)	Loopback Development - 3:1128	
	* one address not a musle block	for loopback
	function; creates a server for	r tself toget
and so are seen as potential a	a morrespondes of the forthing of	,
	eightume of Drove Dun ) to Dyna . 8	•
dink docal Unicast -	particular prysical network +	local common
10	routers do not forward datagra	me using this.
Multipool	$(N) b \leftarrow B \qquad b \in$	8
(8)	Scope + specify which group of	genicos (Hex)
	Plag - 0/1 [Permanent   Transley	(Keey) [t

			tte
Anycast addresses-	same as unicast add	100000 D	distant
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, 0290:2	27FF: FETT: FCO	F = 64 Lite	
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Full 1P address	ce- N.A.T HOST	1-11-11-1	
FE80:	: 0290:27FF: FF	17: 5(06)	10 → 128 hite
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