電腦網路導論 HW3

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-IPv6

Internet Protocol version 6, a new version of Internet Protocal

Difference from IPv4

Number of identifier bits: 32 -> 128

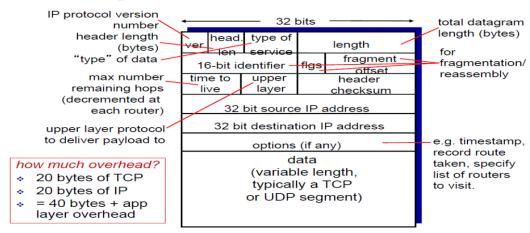
Address expression: (ex) 140.112.2.3 -> 1079:3:6ED4::44:72BE

Safety: IPSec not open by default -> IPSec open by default

QoS: not available in headers -> available in headers

Format:

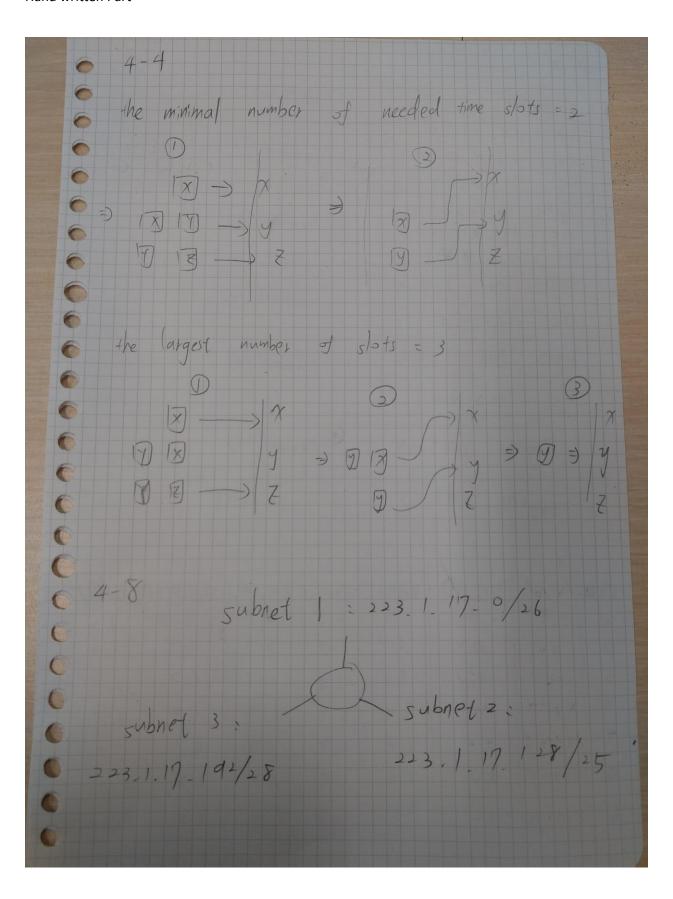
IP datagram format



 \rightarrow

ver	pri	flow label					
	payload	len	next hdr	hop limit			
source address (128 bits)							
destination address (128 bits)							
data							
◆							

Hand written Part



4-19				ion		0		
match	match					0		
Ingless po src = 12	Ingless port = 1 src = 123. * * * bst = 10-1. * * *				Forward (2)			
Ingress P. 510 = 10	Ingress Pat = 2 51c = 10.1. X. + 105t = 10.3. * *				Forward(3)			
Ingless	Ingress Part = 1 11 2 DSt = 122.0,3				Forward (3)			
	Ingress Port = 1 112				Forward (4)			
Ingre:	1) st = 10-2-0-4 Ingress port = 4				tanar (3)			
Ingre	Ingress port = 3				Forward (4)			
5-3 51ep N 0 X 1 XV 2 XVU 3 XVUN 4 XVUN Y 5 XVUNYT		D(U) P(U) 6, V 6, V 6, V 6, V	D(W,P(v)) 3, x 3, x 3, x 3, x	D(w) p(w), 6.x 6.x 6.x 6.x 6.x	D(y)P(y) 6. x 6. x 6. x 6. x 6. x	8, x 8, x 8, x 8, x 8, x 8, x		
6 xvu mytz	7, ~	6,0	3,7	6, X	6, X	8,7		

