

	HALOTT (DV DDOT A LAL
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1)	teader adding module-
	Header_Add_Mod (Data) 1. Apply Header (Encapsulated) 2. Return
2)	Forwarding module-
	Forward-Mod (IP Packet)
	1. Check the destination IP address where the packet needs to be forwarded. 2. Refer routing table and select the path.
	3. Return
3)	Fragmentation module -
	Frag_Mod (IP Packet, Path)
	path selected
	2. Refer MTU 3. If (network capacity > packet size) \$
	a. Send the IP Packet to lower level b. Return
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4. else
              a. if (DF == 1)
                   i. Discard the packet and inform
                    the sender using ICMP
                  il Return
               b. else
                  1. Fragment the packets
                  ii. Perform necessary calculation
                   iii. Apply header on every fragment
                   Iv. Send IP packet to lower layer
                   V. Return
4) Processing module-
         Process_ Mod (IP Packet)
          1. if (sender)
              a. Forward the IP packet to forwarding
                module
              b. return
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CN NOTES BY PROF. AKN Date Page 2. if (receiver machine) // destination

a. Forward the IP packet to reassembly module

b. Return

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3. if (router)

a.if(TTL = = 0)

i. Drop the packet and inform the sender using ICMP.

ii) Return

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b. else

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ii. Forward the IP Packet to forwarding module

iii. return

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