

Internet Protocol - IP

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DAC – UPC

Contents

- Unit 1: IP.
- Unit 2: Other supporting protocols and services.
- Unit 3: Routing algorithms.
- Unit 4: Security.

Contents Unit 1

IP:

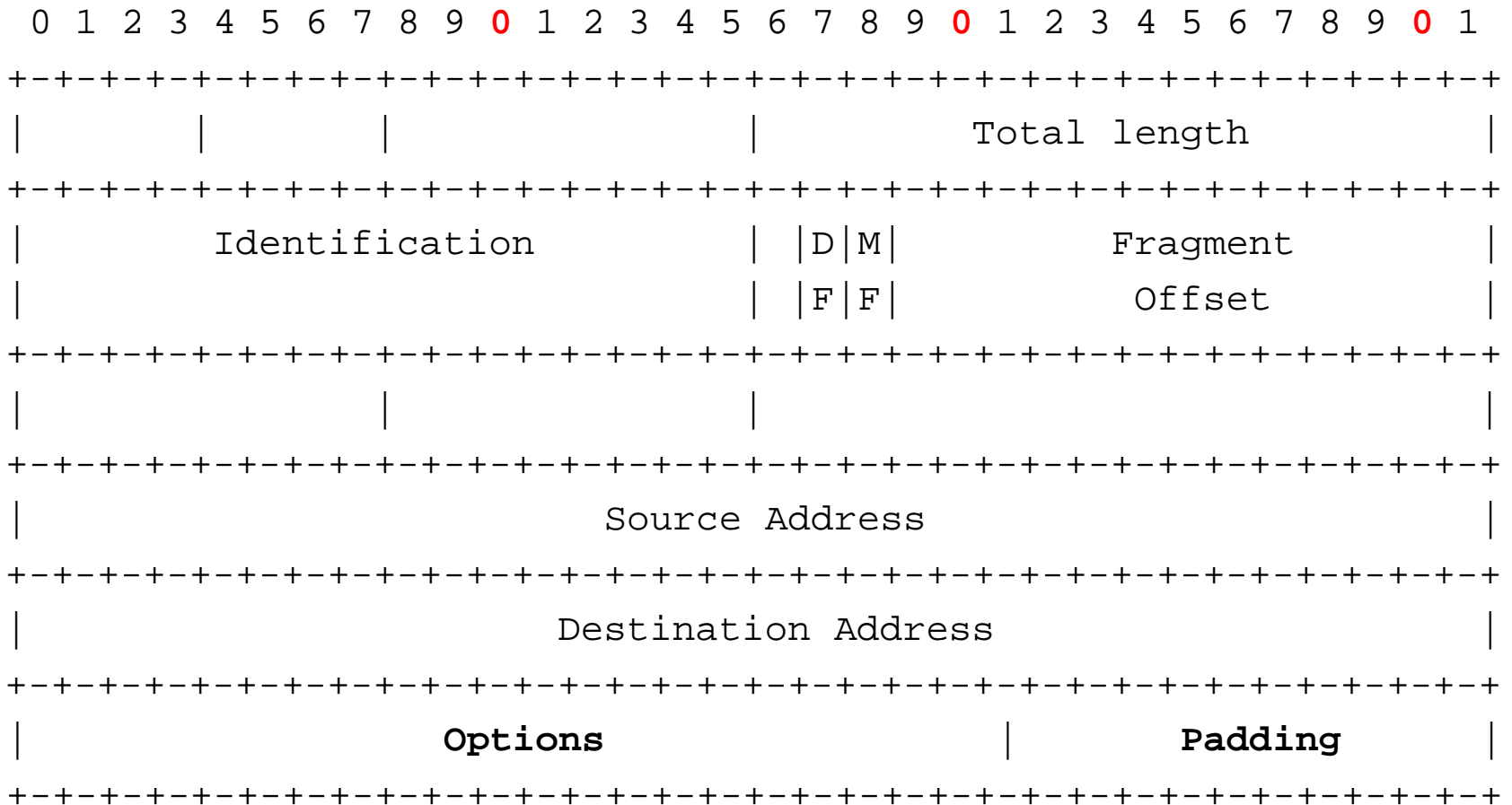
- IP addresses.
- Routing tables.
- Fragmentation.
- IP protocol and service.

Contents Unit 1

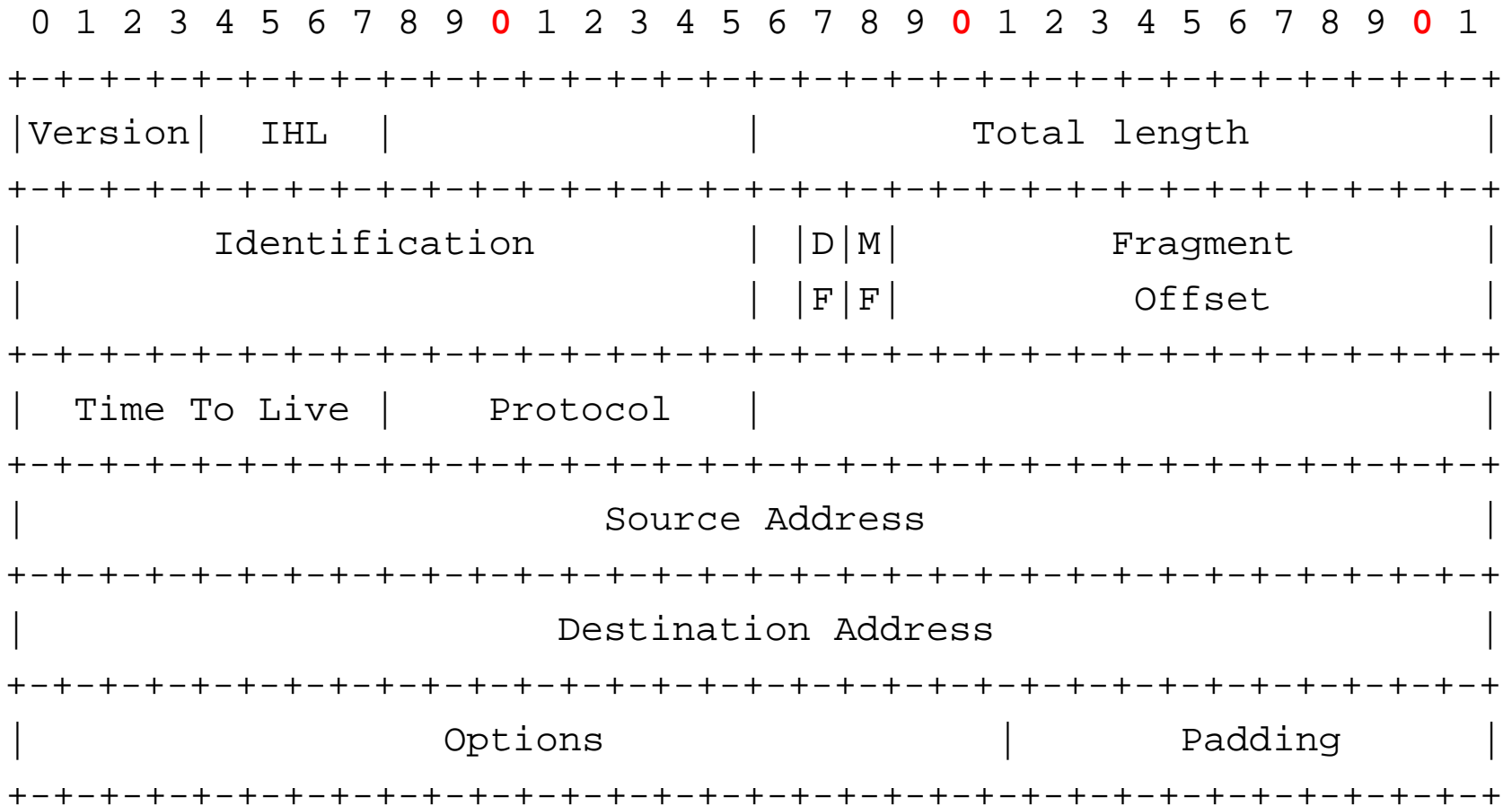
IP:

- IP addresses.
- Routing tables.
- Fragmentation.
- **IP protocol and service.**

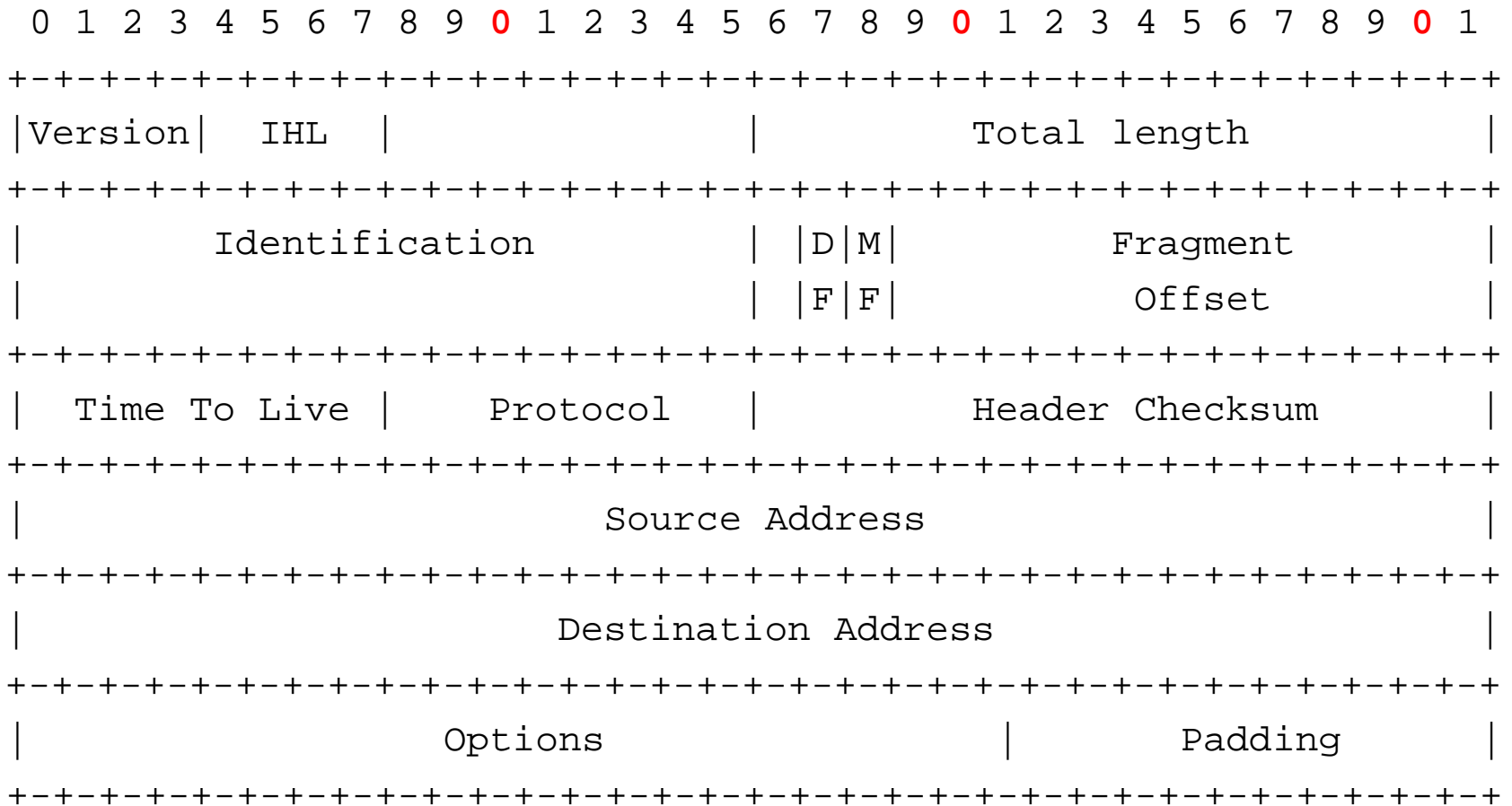
IP Header



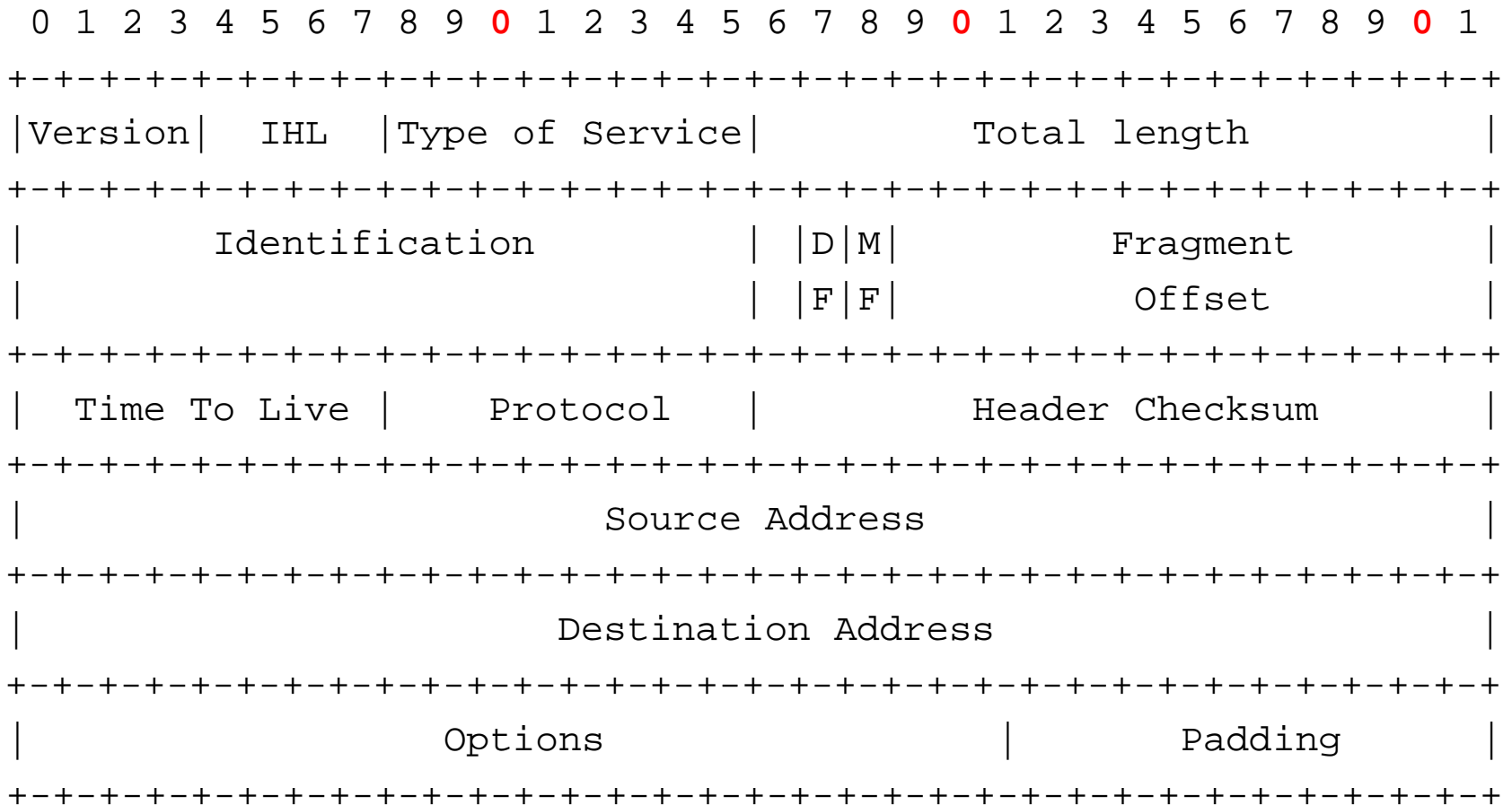
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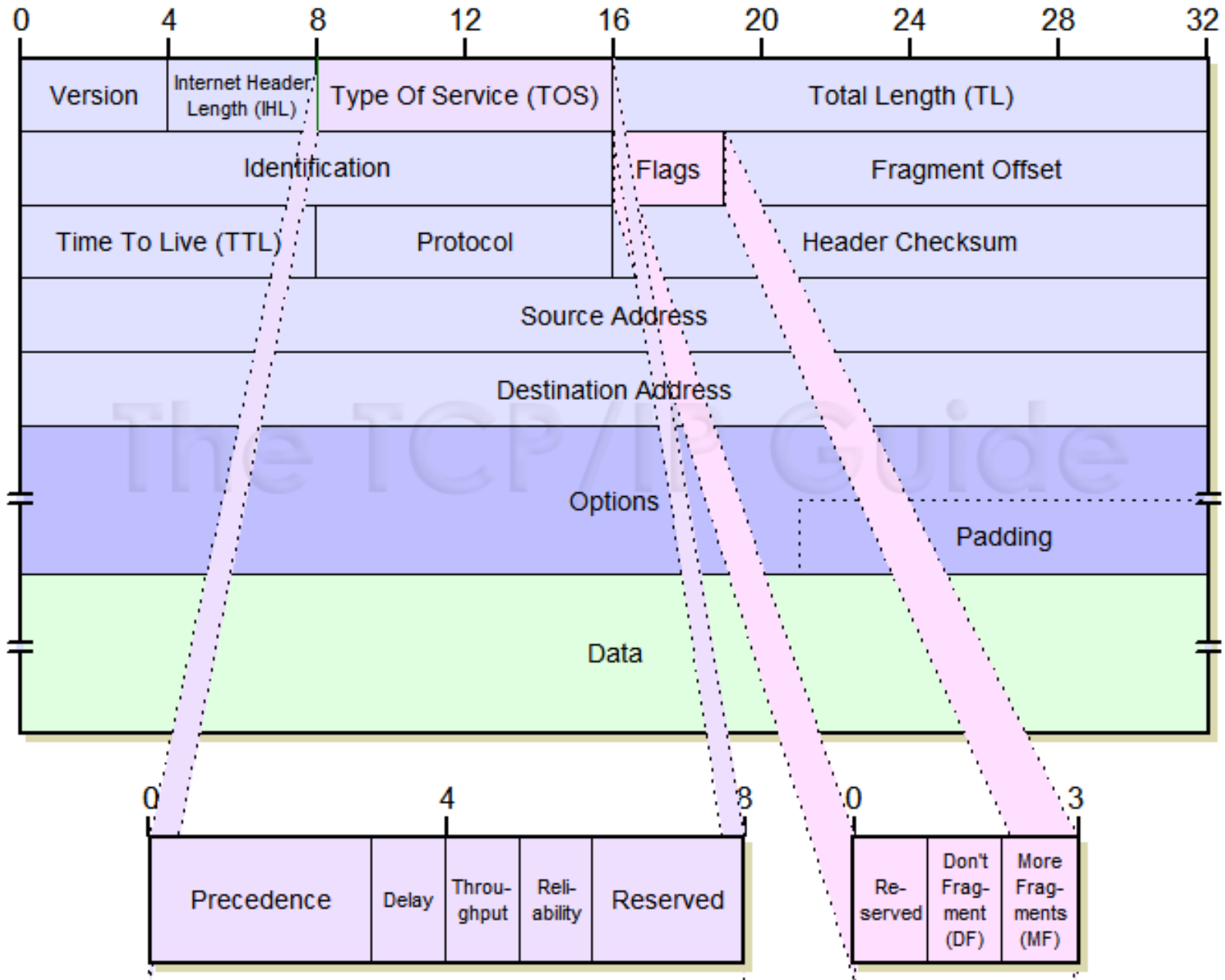
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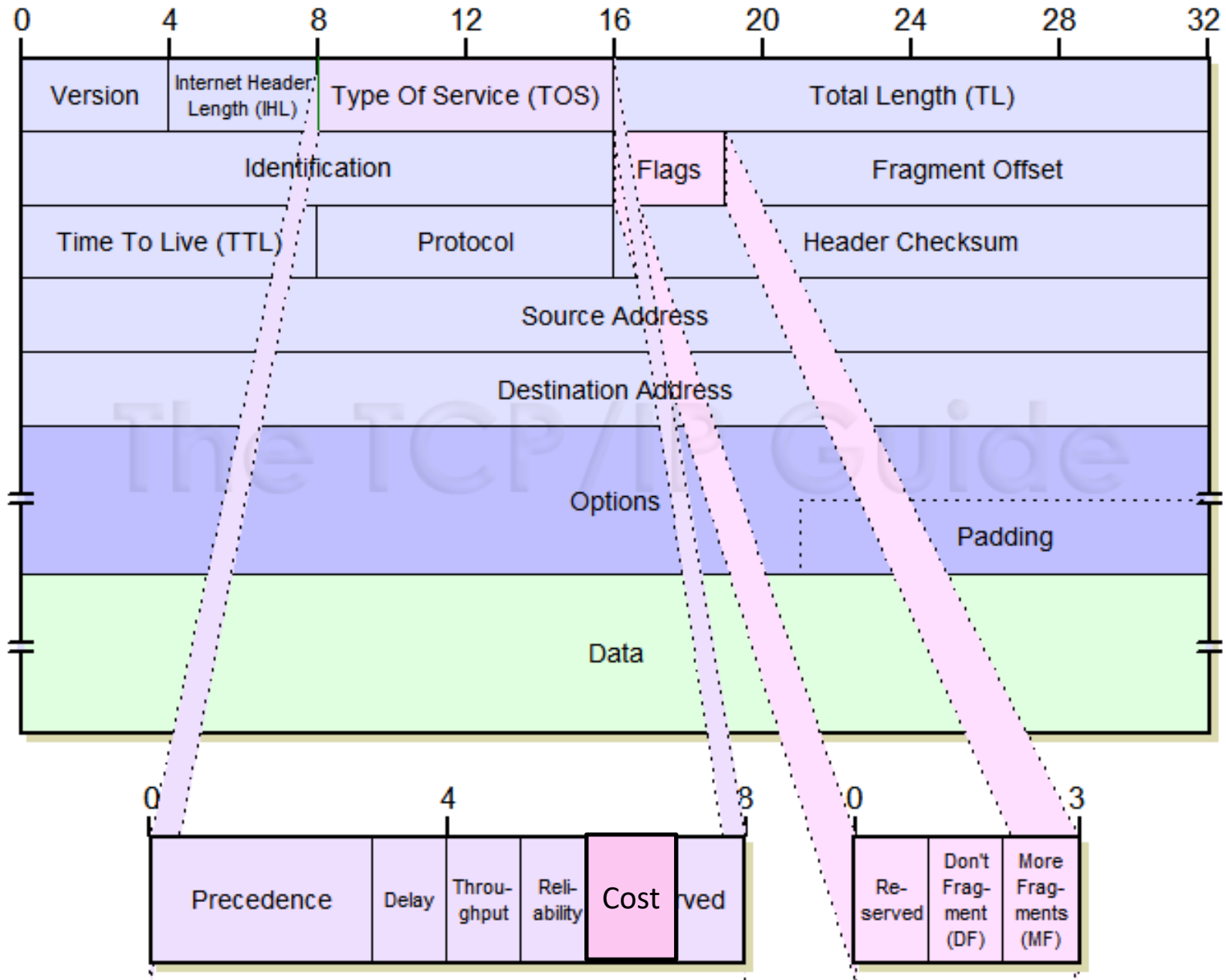
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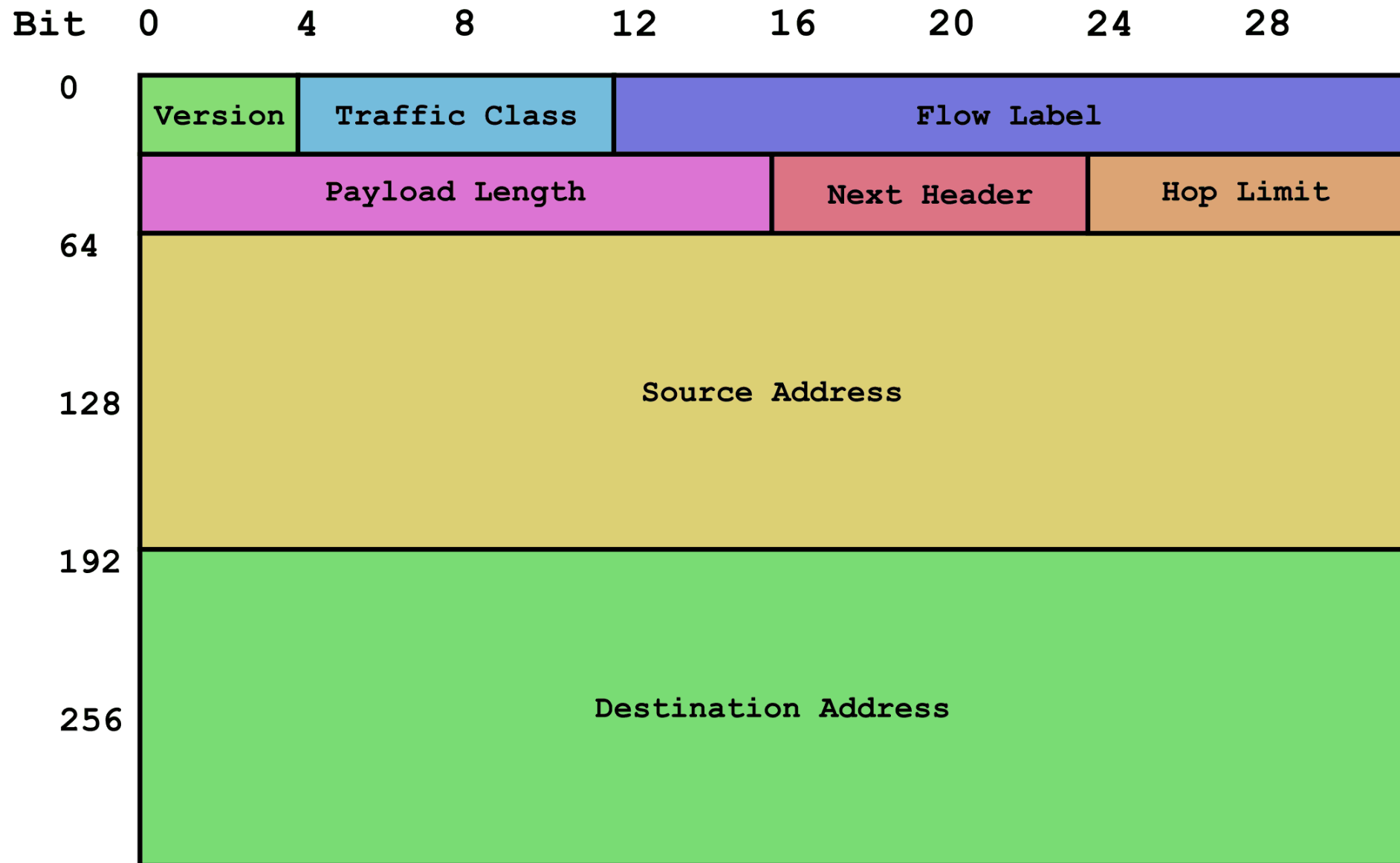
IPv4 Header



IPv4 Header



IPv6 Header



IPv4 vs. IPv6 Header

bits	4	8	16	20	32
version	H. length	TOS	total length		
identification			flags	fragment offset	
Time to Live		protocol	header checksum		
32-bit source address					
32-bit destination address					
options					

modified

deleted