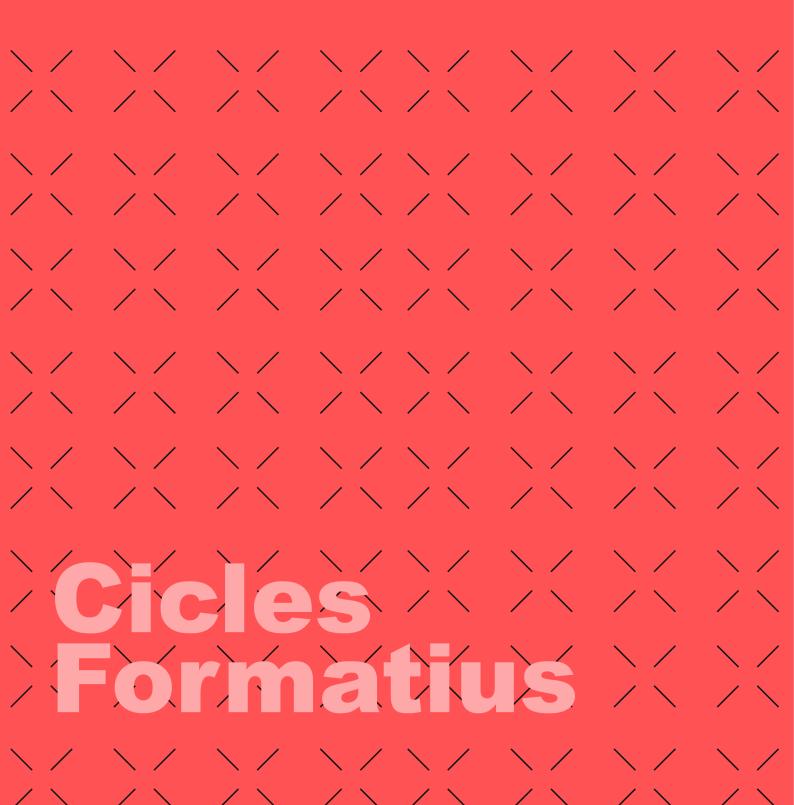


UT09 Network Architecture and Components

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EXERCISE ONE 1

Given the next IP addresses, fill up the next information about them:

•	191.	168	.1.55
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CLASS:

	BYTE 1	BYTE 2	BYTE 3	BYTE 4
NETWORK ADDRESS:				
MASK:				

SI	ΔSH	FORM	ΔТМ	ASK.	
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• 172.22.156.32

CLASS: _____

	BYTE 1	BYTE 2	BYTE 3	BYTE 4
NETWORK ADDRESS:				
MASK:				

	SLASH	FORMAT	MASK:	
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• 10.240.20.10

CLASS: _____

	BYTE 1	BYTE 2	BYTE 3	BYTE 4
NETWORK ADDRESS:				
MASK:				

SLASH FORMAT	MASK:
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EXERCISE 2

Given the network ip address 192.168.0 first divide it in 2 subnets and then in 4. Take into account that the mask is the one of its class. For each subnet define:

- First network addresss with mask.
- First host.
- Last host.



- Broadcast address.
- Maximum nuber of host per network.

EXERCISE 3

Given the network address 202.127.20.0, first divide it in 2 subnets and then in 4.Take into account that the mask is the one of its class. For each subnet define:

- · First network addresss with mask.
- First host.
- Last host.
- Broadcast address.
- Maximum nuber of host per network.

EXERCISE 4

Given the network address 10.20.20.26/24, first divide it in 2 subnets and then in 4. For each subnet define:

- First network addresss with mask.
- First host.
- Last host.
- Broadcast address.

Maximum nuber of host per network.