Tutorato - Reti di Calcolatori

Subnetting e VLSM (Variable Length Subnet Mask) - Esercizio

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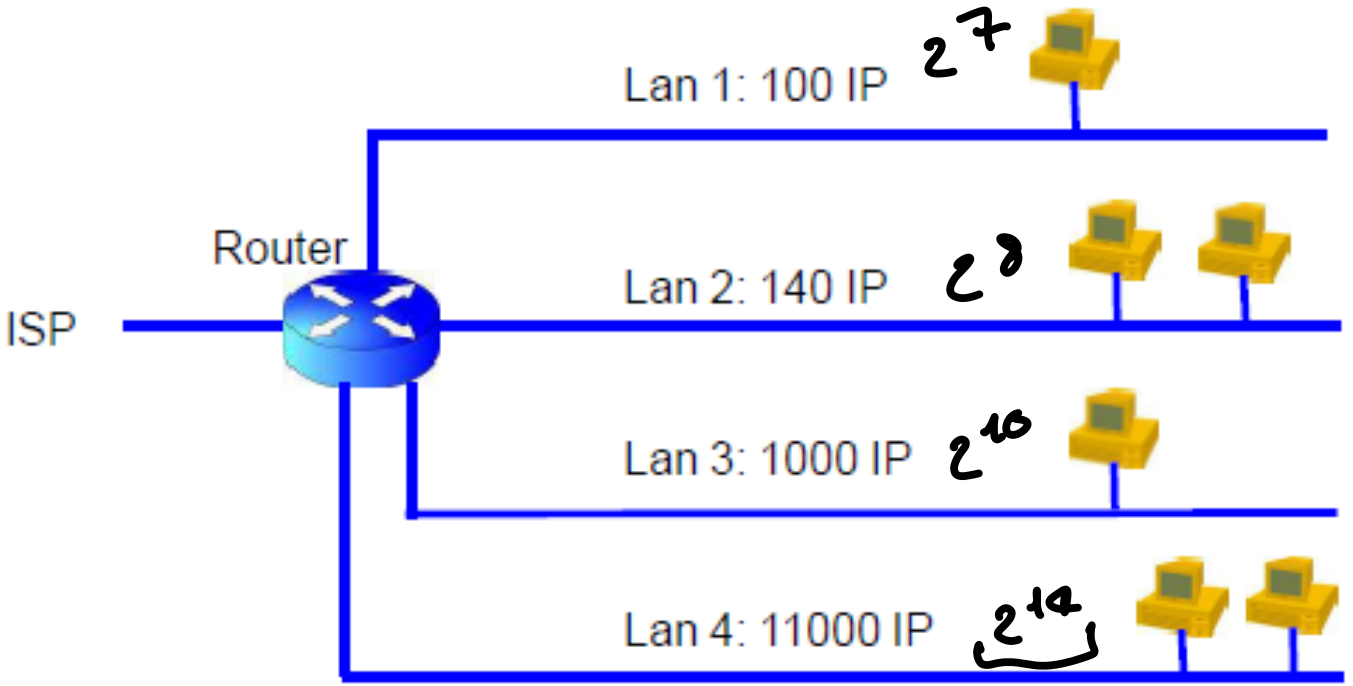
Anno Accademico 2021/2022

Esercizio

255.255.0.0

Una società ottiene la subnet 145.67.0.0/16
Configurare 4 subnet interne con i seguenti requisiti:



Garantire la massima espandibilità (ulteriori subnet interne)

Esercizio

LAN 4 — 14 bit — 255.255.192.0 /18

1...1.1...1.11000000.0...0

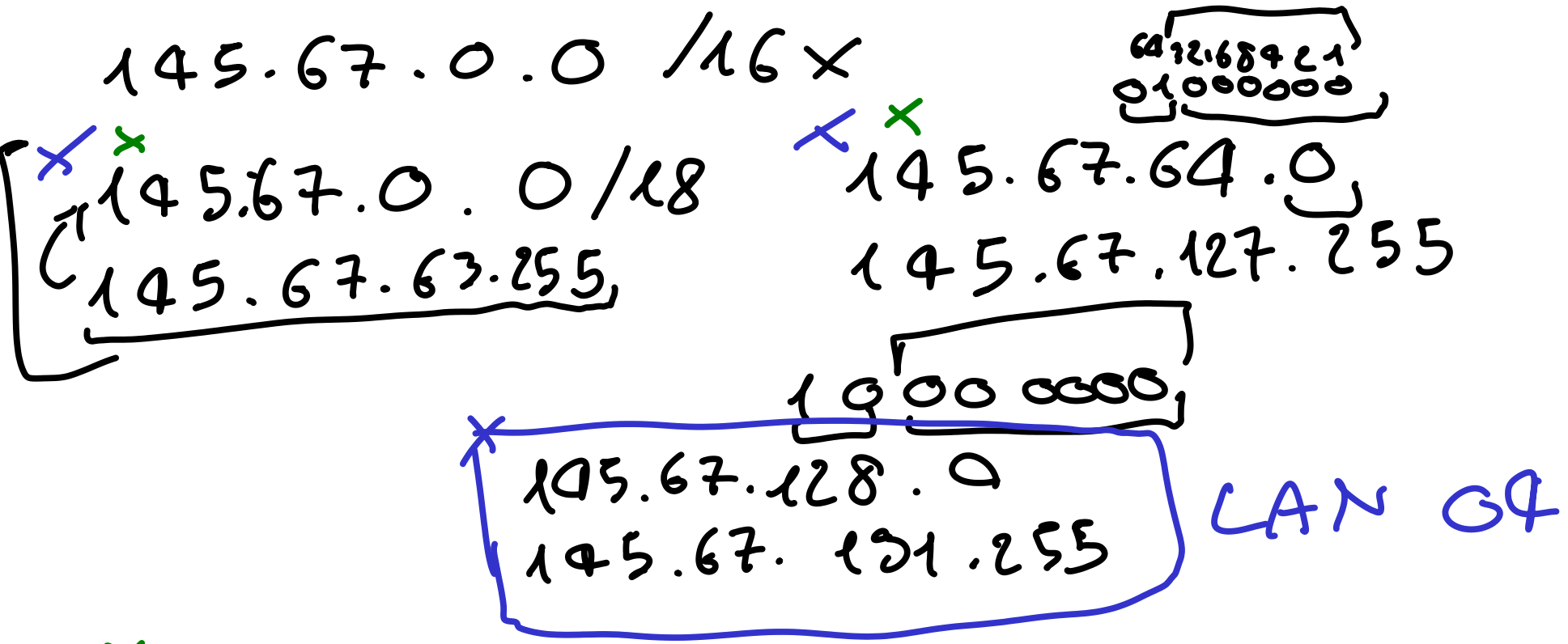
LAN 3 — 10 bit — 255.255.252.0 /22

1...1.1...1.11111100.00000000

LAN 2 — 8 bit — 255.255.255.0 /24

LAN 1 — 7 bit — 255.255.255.128 /25

Esercizio


145.67.0.0 /16
145.67.0.0/18
145.67.63.255
145.67.64.0
145.67.127.255
145.67.128.0
145.67.191.255
LAN 04
1100 0000
145.67.192.0
145.67.255.255

Esercizio

145.67.192.0 /18

4 3

1 1

11111111.11111111.11000000.00000000

$2^4 = 16$

145.67.192.0 /22

145.67.195.255

CAN 03

145.67.196.0/22

145.67.199.255

Esercizio

1.

105.67.192.0 /24

105.67.195.255

2. ✗

105.67.193.0

4

105.67.195.0

CAN 62

3.

105.67.194.0

105.67.194.255

105.67.193.0 125

105.67.193.127

CAN 62

105.67.193.128

Esercizio

LAN 04
145.67.128.0

LAN 03
145.67.196.0

LAN 02
145.67.194.0

LAN 01
145.67.193.0

145.67.193.1