

Sare maskara: 255.255.255.0  $\rightarrow$  24 bit sare + 8 bit host

A sare: $50 + 2 + 1 = 53$	$363 > 2^8 \rightarrow$ Ezin de sare lehinde bakarra erabili
B sare: $76 + 2 + 1 = 79$	
C sare: $43 + 2 + 1 = 46$	
D sare: $63 + 2 + 1 = 66$	
E sare: $134 + 2 + 1 = 137$	
F sare: $2 + 2 = 4$	
G sare: $2 + 2 = 4$	
H sare: $2 + 2 = 4$	

Tamainaren arabera ordenazioz: E > B > D > A > C

$$E + B = 137 + 79 = 216 < 2^8 \rightarrow 192.168.73.0 /24 \text{ sare lehidea}$$

$$D + A + C = 66 + 53 + 46 = 165 < 2^8 \rightarrow 192.168.72.0 /24 \text{ sare lehidea}$$

**E**  $2^7 = 128 > 137 \rightarrow 7 \text{ bit hostID}$

$$32 - 24 - 7 = 1 \text{ bit subnetID}$$

$$2^1 = 2 \text{ agapisare}$$

Sare lehidea: 192.168.73.0

Sare maskara: 255.255.255.128

**B**  $2^7 = 128 > 79 \rightarrow 7 \text{ bit hostID}$

$$32 - 24 - 7 = 1 \text{ bit subnetID}$$

$$2^1 = 2 \text{ agapisare}$$

Sare lehidea: 192.168.73.328

Sare maskara: 255.255.255.128

192.168.73.5 HHHHHHH  
0  
1

**D**  $2^7 = 128 > 66 \rightarrow 7 \text{ bit hostID}$

$$32 - 24 - 7 = 1 \text{ bit subnetID}$$

$$2^1 = 2 \text{ agapisare}$$

Sare lehidea: 192.168.72.0  $\longrightarrow$  192.168.72.5 HHHHHHH

Sare maskara: 255.255.255.128

0  
1

A  $2^6 = 64 > 53 \rightarrow 6$  bit hostID

$32 - 25 - 6 = 3$  bit subnetID

$2^3 = 8$  ağı içi sare

Sare hibede: 192.168.72.128 → 192.168.72.15HHHHHH

Sare maskara: 255.255.255.128

0

C  $2^6 = 64 > 46 \rightarrow 6$  bit hostID

$32 - 25 - 6 = 1$  bit subnetID

$2^1 = 2$  ağı içi sare

Sare hibede: 192.168.72.192 → 192.168.72.1544HHHH

Sare maskara: 255.255.255.192

1

F, G, H  $2^2 = 4 = 4 \rightarrow 2$  bit hostID

$32 - 24 - 2 = 6$  bit subnetID

$2^6 = 64$  ağı içi sare

F: Sare hibede: 30.20.30.0 → 30.20.30.555555HH

Sare maskara: 255.255.255.252

000000

G: Sare hibede: 30.20.30.4

0000001

Sare maskara: 255.255.255.252

H: Sare hibede: 30.20.30.8

000010

Sare maskara: 255.255.255.252

### Sarea : E

Sare Lehbidea: 192.168.73.0 /25

Broadcast: 192.168.73.127

Eslitzeko IP tarteak: 192.168.73.1 - 192.168.73.126

Eslitzeko IP Kopurua:  $2^7 - 2 = 126$

HOST batzuk esleitutako 1. IP-a: 192.168.73.2

HOST batzuk esleitutako agkinen IP-a: 192.168.73.115

### Sarea : B

Sare Lehbidea: 192.168.73.128 /25

Broadcast: 192.168.73.255

Eslitzeko IP tarteak: 192.168.73.129 - 192.168.73.254

Eslitzeko IP Kopurua:  $2^7 - 2 = 126$

HOST batzuk esleitutako 1. IP-a: 192.168.73.130

HOST batzuk esleitutako agkinen IP-a: 192.168.73.205

### Sarea : D

Sare Lehbidea: 192.168.72.0 /25

Broadcast: 192.168.72.127

Eslitzeko IP tarteak: 192.168.72.1 - 192.168.72.126

Eslitzeko IP Kopurua:  $2^7 - 2 = 126$

HOST batzuk esleitutako 1. IP-a: 192.168.72.2

HOST batzuk esleitutako agkinen IP-a: 192.168.72.64

### Sarea : A

Sare Lehbidea: 192.168.72.128 /26

Broadcast: 192.168.72.191

Eslitzeko IP tarteak: 192.168.72.129 - 192.168.72.190

Eslitzeko IP Kopurua:  $2^6 - 2 = 62$

HOST batzuk esleitutako 1. IP-a: 192.168.72.130

HOST batzuk esleitutako agkinen IP-a: 192.168.72.179

### Sarea : C

Sare Lehbidea: 192.168.72.192 /26

Broadcast: 192.168.72.255

Eslitzeko IP tarteak: 192.168.72.193 - 192.168.72.254

Eslitzeko IP Kopurua:  $2^6 - 2 = 62$

HOST batzuk esleitutako 1. IP-a: 192.168.72.194

HOST batzuk esleitutako agkinen IP-a: 192.168.73.236

Sarea : F

Save Ielbidea: 10.20.30.0 /30

Broadcast: 10.20.30.3

Eslitzeko IP tarteak: 10.20.30.4 - 10.20.30.2

Eslitzeko IP Kopurua:  $2^2 - 2 = 2$

HOST batu esleitutako 1. IP-a: —

HOST batu esleitutako agken IP-a: —

Sarea : G

Save Ielbidea: 10.20.30.4 /30

Broadcast: 10.20.30.7

Eslitzeko IP tarteak: 10.20.30.5 - 10.20.30.6

Eslitzeko IP Kopurua:  $2^2 - 2 = 2$

HOST batu esleitutako 1. IP-a: —

HOST batu esleitutako agken IP-a: —

Sarea : H

Save Ielbidea: 10.20.30.8 /30

Broadcast: 10.20.30.11

Eslitzeko IP tarteak: 10.20.30.9 - 10.20.30.10

Eslitzeko IP Kopurua:  $2^2 - 2 = 2$

HOST batu esleitutako 1. IP-a: —

HOST batu esleitutako agken IP-a: —

<b>192.168.71.0</b>		<b>192.168.71.128</b>
<b>2</b>	<b>115</b>	<b>120</b>
E	mmmm	B

<b>192.168.72.0</b>		<b>192.168.72.128</b>	<b>192.168.72.192</b>
<b>2</b>	<b>130</b>	<b>139</b>	<b>144</b>
D	mmmmmmmm	A mm	C m