M. Wildan . W   absen 15

SIB 2A

A. 204.10.10.100/29
 Subnet Mask /29 = 255.255.255.248

IP: 01100100 → 100
Mask = 11111000 → 248
    01100000 → 96 (AND)

Network ID = 204.10.10.96
Host usable = $2^3 - 2 = 6$
First Host = 204.10.10.103 > 204.10.10.100
Last Host = 204.10.10.102
broadcast = 204.10.10.103

B. 104.25.100.56/21
 Subnet mask /21 = 255.255.248.0

IP = 01100 100 → 100
Mask = 11111000 → 248
    0 1100000 → (96) (AND)

Network ID = 104.25.96.0
Host usable = $2^{11} - 2 = 2046$
First Host = 104.25.96.1
Last Host = 104.25.103.254
broadcast = 104.25.103.255

c. 77.100.104.204/13
Subnet mask /13 : 255.248.0.0

IP = 01100100 →100
mask = 11111000 → 248
AND = 01100000 →96
Network ID: 01001101.01100000.00000000.00000000
invers   = 00000000.00000111.11111111.11111111
           01001101.01100111.11111111.11111111

broad cast address: 77.103.255.255

First host: 77.96.0.1
last host = 77.103.255.254