1. Net A - B Host
2. Net B + 4 host
3. Net C + 4 host
4. Net D + 4 host
5. Net E + 4 host

Jawaban:

1. Net A = 20 host

$2^H - 2 = 20 + 2$

$2^? = \sqrt{22}$

H = 4 → 3, 4, 5

H = 3 $2^3 - 2 = 6$

H = 4 $2^4 - 2 = 14$

H = 5 $2^5 - 2 = 30$

11111111 . 11111111 . 11111111 . 111 00000

255 255 255 224 /27

Net ID = $2^n = 2^3 = 8$

batasan = 256 - 224 = 32

192 . 168 . 0 . 0100000 /27

192, 168 .0. 32 / 27

2. Net B 60 + 4 = 64

$2^H - 2 = 64 + 2$

$2^? = \sqrt{66}$

H = 8 - D 7, 8, 9

H = 7 $2^7 - 2 = 126$

H = 8 $2^8 - 2 = 254$

H = 9 $2^9 - 2 = 510$

11111111 . 11111111 . 11111111 . 10000000

255 255 255 128

Net ID = $2^n = 2^1 = 2$

batasan = 256 - 128 = 128

192. 168 . 00000000 125

192. 168. 0.0 /25

3. Net C . 10+4 = 14

$2^H - 2 \geq 14+2$

$2^H = \sqrt{16}$

H = 4 → 3, 4, 5

H = 3 $2^3 - 2 = 6$

H = 4 $2^4 - 2 = 14$

H 5 $2^5 - 2 = 30$

11111111 . 11111111 . 11111111 . 11110000

255 255 255 . 240 /128

Net ID = $2^n = 2^4 = 16$

Batasan = 256 - 240 = 16

4. Net ID 7+4 = 11

$2^H - 2 \leq 11+2$

$2^H \leq \sqrt{18}$

H $\leq$ 3 → 2, 3, 4

H = 2 $2^2 - 2 = 2$

H = 3 $2^3 - 2 = 6$

H = 4 $2^4 - 2 = 14$

11111111 . 11111111 . 11111111 . 11110000

255 255 255 240 /128

Net ID = $2^n = 2^4 = 16$

Batasan = 256 - 240 = 16

192.168.0 /28

192.168.0 /28