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Hitunglah jumlah subnet, jumlah host persubnet dan blok subnet pada IP Address di bawah ini : (10 Poin)

1. 192.168.12.2/31
2. 10.10.20.2/30
3. 192.168.200.2/28
4. 172.16.0.4/29
5. 202.134.0.155/30

jawaban:

1. 192.168.12.2/31
  - Subnet Mask: 255.255.255.254
  - Jumlah Subnet:  $2^{(31-24-8)} = 2^1 = 2$
  - Jumlah Host per Subnet:  $2^{(32-31)} - 2 = 2^1 - 2 = 0$
  - Blok Subnet:  $256 - 254 = 2$
2. 10.10.20.2/30
  - Subnet Mask: 255.255.255.252
  - Jumlah Subnet:  $2^{(30-24)} = 2^6 = 64$
  - Jumlah Host per Subnet:  $2^{(32-30)} - 2 = 2^2 - 2 = 2$
  - Blok Subnet:  $256 - 252 = 4$
3. 192.168.200.2/28
  - Subnet Mask: 255.255.255.240
  - Jumlah Subnet:  $2^{(28-24)} = 2^4 = 16$
  - Jumlah Host per Subnet:  $2^{(32-28)} - 2 = 2^4 - 2 = 14$
  - Blok Subnet:  $256 - 240 = 16$
4. 172.16.0.4/29
  - Subnet Mask: 255.255.255.248
  - Jumlah Subnet:  $2^{(29-16-8)} = 2^5 = 32$
  - Jumlah Host per Subnet:  $2^{(32-29)} - 2 = 2^3 - 2 = 6$
  - Blok Subnet:  $256 - 248 = 8$
5. 202.134.0.155/30
  - Subnet Mask: 255.255.255.252
  - Jumlah Subnet:  $2^{(30-24)} = 2^6 = 64$
  - Jumlah Host per Subnet:  $2^{(32-30)} - 2 = 2^2 - 2 = 2$
  - Blok Subnet:  $256 - 252 = 4$

