187 . 123 . 151 . 0 /24

2nr\_biti\_host\_id>=20 => nr\_biti\_host\_id=5 => 25=32 =>Trebuie sa imprumutam 3 biti

Subnet mask : 255 . 255 . 255 . 244

Adresa IP initiala : 187 . 123 . 151 . 0 /27

Nr. maxim de gazed care poate fi suportat de o subretea este 32-2= 30

Nr. maxim care poae fi definit : 8, /27=/24+nr\_biti=3, 2nr\_biti>=nr\_subretele , 23=8

|  |  |  |
| --- | --- | --- |
| Nr retea | Adresa IP in formatul cu punct zecimal | Adresa IP in format binar |
| 0 | 187 . 123 . 151 . 0 | 10111011 . 01111011 . 10010111 . 00000000 |
| 1 | 187 . 123 . 151 . 32 | 10111011 . 01111011 . 10010111 . 00100000 |
| 2 | 187 . 123 . 151 . 64 | 10111011 . 01111011 . 10010111 . 01000000 |
| 3 | 187 . 123 . 151 . 96 | 10111011 . 01111011 . 10010111 . 01100000 |
| 4 | 187 . 123 . 151 . 128 | 10111011 . 01111011 . 10010111 . 10000000 |
| 5 | 187 . 123 . 151 . 160 | 10111011 . 01111011 . 10010111 . 10100000 |
| 6 | 187 . 123 . 151 . 192 | 10111011 . 01111011 . 10010111 . 11000000 |
| 7 | 187 . 123 . 151 . 224 | 10111011 . 01111011 . 10010111 . 11100000 |

Subretea 6 :

* Domeniul IP : 187 . 123 . 151 . 193 – 187 . 123 . 151 . 222
* Adresa de broadcast : 187 . 123 . 151 . 223