

Corrigé - Internet Protocol

1) Cocher ci-dessous les adresses IP valables:

- | | | |
|---|--|--|
| <input checked="" type="checkbox"/> 127.0.0.1 | <input checked="" type="checkbox"/> 1.0.192.168 | <input checked="" type="checkbox"/> 2a00:1450:400a:807::1017 |
| <input type="checkbox"/> 1.1.1.1.1 | <input type="checkbox"/> 10.256.0.10 | <input type="checkbox"/> fe80:6078:92ff:fec0:4a7:39a:19be |
| <input type="checkbox"/> 113.17.256.45 | <input checked="" type="checkbox"/> ::1 | <input type="checkbox"/> 127:0:0:1 |
| <input type="checkbox"/> 192:168:1:13 | <input checked="" type="checkbox"/> 253:254::255:256 | <input checked="" type="checkbox"/> 34:dead:2049:2ef7:beef:e28:abcd:4321 |
| <input checked="" type="checkbox"/> 1.2.3.4 | <input checked="" type="checkbox"/> fada::befa | <input type="checkbox"/> 1ef:bede:593g:ba:1:2:3:4 |
| <input type="checkbox"/> 192.167.256.18 | <input type="checkbox"/> 342b::15fg:d | <input checked="" type="checkbox"/> fe80::6078:92ff:fec0:4a7 |
| <input type="checkbox"/> 13.152.257.71 | <input checked="" type="checkbox"/> 10:22::23:24 | <input checked="" type="checkbox"/> 1ef:bede:593d:ba:1:2:3:4 |
| <input checked="" type="checkbox"/> 1532::beaf | <input type="checkbox"/> 192:168:254:10 | <input type="checkbox"/> 342b:baba:dede |
| <input checked="" type="checkbox"/> 10.20.30.40 | <input checked="" type="checkbox"/> 37.18.250.2 | <input checked="" type="checkbox"/> 3ab8::c34e:5dee:9abc |

2) 11111111 11111111 11111110 00000000
255.255.254.0

3) 00001010 00011001 00011000 00011110
11111111 11111111 11111111 00000000
-----AND-----
00001010 00011001 00011000 00000000
-> 10.25.24.0

00001010 00011001 00011110 00011000
11111111 11111111 11111111 00000000
-----AND-----
00001010 00011001 00011110 00000000
-> 10.25.30.0

=> non

4) 00001000 00010000 00100000 01000000
11111110 00000000 00000000 00000000
-----AND-----
00001000 00000000 00000000 00000000
-> 8.0.0.0

00001001 01000000 10000000 00100000
11111110 00000000 00000000 00000000
-----AND-----
00001000 00000000 00000000 00000000
-> 8.0.0.0

=> oui

5) 00010000 00100000 01000100 00000010
11111111 11111111 11000000 00000000
-----AND-----
00010000 00100000 01000000 00000000
=> 16.32.64.0

6) 00001000 00001101 00100001 10000000
11111111 11111000 00000000 00000000
-----AND-----
00001000 00001000 00000000 00000000
=> 8.8.0.0

- 7) 00001000 00010000 00100000 01000000
00000000 00000000 01111111 11111111
-----OR-----
00001000 00010000 01111111 11111111
=> 8.16.127.255
- 8) 00000001 00000010 00000011 00000100
00000000 00000000 00111111 11111111
-----OR-----
00000001 00000010 00111111 11111111
=> 1.2.63.255
- 9) 11000000 01100000 00110000 00011000
00000000 00000000 00000000 11111111
-----OR-----
11000000 01100000 00110000 11111111
=> 192.96.48.255