ESERCIZIO LEZIONE 2 DANIELE MARRA

indirizzo ip: 1. 1. 1. 1/8

	network	Host

subnet bin: 11111111.00000000.00000000.00000000
                    255.   0.   0.   0

IP bin: 00000001.00000001.00000001.00000001

IP network: 00000001.00000000.00000000.00000000
                    1.   0.   0.   0.

IP gateway   1.   0.   0.   1

IP broadcast 00000001.11111111.11111111.11111111
                    1   255   255   255

IP Host: 2^{24}= 16.777.216 -1 rete-1 broadcast= 16.777.214

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indirizzo ip: 128.1.6.5/12

	network	Host

subnet bin: 11111111.11110000.00000000.00000000

	255.	240.	0.	0

IP bin: `10000000.0000``0001.00000110.00000101`

IP network: `10000000.0000``0000.00000000.00000000`

	128	0	0	0

IP gateway   128.   0.   0.   1

IP broadcast `10000000`.`0000``1111.11111111.11111111`

	128	15	255	255

IP Host: 2^20 = 1.048.576 -1 rete-1 broadcast= 1.048.574

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200.1.2.3/24

	network	Host

subnet bin: `11111111.11111111.11111111`.`00000000`

	255.	255.	255.	0

IP bin: `11001000.00000001.00000010`.`00000011`

IP network: `11001000.00000001.00000010`.`00000000`

	200.	1	2	0

IP gateway   200   1   2   1

IP broadcast `11001000.00000001.00000010.``11111111`

	200	1	2	255

IP Host: 2^8= 256-1-1= 254

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192.192.1.1/22

	network		Host

subnet bin: `11111111.11111111.111111``00.00000000`
            255   255   252   0

IP bin: `11000000.11000000.000000``01.00000001`

IP network: `11000000.11000000.000000``00.00000000`
            192   192   0   0

IP gateway   192   192   0   1

IP broadcast `11000000.11000000.000000``11.11111111`
            192   192   2   255

IP Host: 2^10=   1024 -1 rete-1 broadcast= 1022

192.192.1.1/22

	network		Host

subnet bin: `11111111.11111111.111111``00.00000000`
            255   255   252   0

IP bin: `11000000.11000000.000000``01.00000001`

IP network: `11000000.11000000.0000000` `0.00000000`
          192   192   0   0

IP gateway   192   192   0   1

IP broadcast `11000000.11000000.000000` `11.11111111`
          192   192   2   255

IP Host: 2^10=   1024 -1 rete-1 broadcast= 1022

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126.5.4.3/9

          network   Host

subnet bin: `11111111.1` `0000000.00000000.00000000`
          255   128   0   0

IP bin: `01111110.0` `0000101.00000100.00000011`

IP network: `01111110.0` `000000.00000000.00000000`
          126   0   0   0

IP gateway   126   0   0   1

IP broadcast `01111110.0` `1111111.11111111.11111111`
          126   127   255   255

IP Host: 2^23   =8.388.608   -1 rete-1 broadcast= 8.388.606

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200.1.9.8/24

	network			Host
subnet bin:	11111111.11111111.11111111.			00000000
	255	255	255	0

IP bin: 11001000.00000001.00001001.00001000

IP network: 11001000.00000001.00001001.00000000

| | 200 | 1 | 9 | 0 |

IP gateway   200   1   9   1

IP broadcast   11001000.00000001.00001001.11111111

| | 200 | 1 | 9 | 255 |

\# IP Host: = 256   -1 rete-1 broadcast= 254

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172.16.0.4/16

	network		Host	
subnet bin:	11111111.11111111.		00000000.00000000	
	255	255	0	0

IP bin: 10101100.00010000.00000000.00000100

IP network: 10101100.00010000.00000000.00000000

| | 172 | 16 | 0 | 0 |

IP gateway   172   16   0   1

IP broadcast `10101100.00010000.``11111111.11111111`
              172   16   255   255

IP Host: 65.536 =   -1 rete-1 broadcast= 65.534