8) 1111 | 2
     1 | 555 | 2
       1 | 277 | 2
         1 | 138 | 2
           0 | 69 | 2
             1 | 34 | 2
               0 | 17 | 2
                 1 | 8 | 2
                   0 | 4 | 2
                     0 | 2 | 2
                       0 | 1

9) 1009 | 2
     1 | 504 | 2
       0 | 252 | 2
         0 | 126 | 2
           0 | 63 | 2
             1 | 31 | 2
               1 | 15 | 2
                 1 | 7 | 2
                   1 | 3 | 2
                     1 | 1

10) 9201 | 2
      1 | 4600 | 2
        0 | 2300 | 2
          0 | 1150 | 2
            0 | 575 | 2
              1 | 287 | 2
                1 | 143 | 2
                  1 | 71 | 2
                    1 | 35 | 2
                      1 | 17 | 2
                        1 | 8 | 2
                          0 | 4 | 2
                            0 | 2 | 2
                              0 | 1

Binario

1) 00011
   $2^3\ 2^2\ 2^1\ 2^0$
   2+1 = 3

2) 11110
   $2^4\ 2^3\ 2^2\ 2^1\ 2^0$
   1 1 1 1 0
   16+8+4+2+0 = 30

3) 100100
   $2^5\ 2^4\ 2^3\ 2^2\ 2^1\ 2^0$
   1 0 0 1 0 0
   32+0+0+4+0+0 = 36

4) 101010
   $2^5\ 2^4\ 2^3\ 2^2\ 2^1\ 2^0$
   1 0 1 0 1 0
   32+0+8+0+2+0 = 42