0x12EF = 1\*16^3 + 2\*16^2 + 14\*16^1 + 15\*16^0 = 4,096+512+224+15 = 4,847 or 1001011101111

0x342 = 3\*16^2 + 4\*16^1 + 2\*16^0 = 768+64+2 = 834 or 1101000010

0xE59 = 14\*16^2+5\*16^1+9\*16^0= 3,584+80+9=3,673 or 111001011001

0x2F = 2\*16^1+15\*16^0=32+15=47 or 00101111

0x20A = 2\*16^2+0\*16^1+10\*16^0=512+0+10=522 or 0010 0000 1010

0xFF = 15\*16^1+15\*16^0=240+15=255 or 1111 1111

0x200 = 2\*16^2=512 or 0010 0000 0000

0xF0 = 15\*16^1=240 or 1111 0000

0x400 = 4\*16^2= 1024 or 0100 0000 0000

0x142 = 1\*16^2+4\*16^1+2\*16^0=256+64+2=322 or 0001 0100 0010

0x29A = 2\*16^2+9\*16^1+10\*16^0=512+144+10=666 or 0010 1001 1010

0x1E = 1\*16^1+14\*16^0=16+14=30 or 0001 1110

10101010 = 0xAA or 10\*16^1+10\*16^0=160+10=170

11101101 = 0xED or 14\*16^1+13\*16^0=224+13=237

01000001 = 0x41 or 4\*16^1+1\*16^0=64+1=65

00100111 = 0x27 or 2\*16^1+7\*16^0=32+7=39

01001101 = 0x4D or 4\*16^1+13\*16^0=64+13=77

00110111 = 0x37 or 3\*16^1+7\*16^0=48+7=55

00001101 = 0x0D or 13\*16^0=13

01011110 = 0x5E or 5\*16^1+14\*16^0=80+14=94

10010011 = 0x93 or 9\*16^1+3\*16^0=144+3=147

11100010 = 0xE2 or 14\*16^1+2\*16^0=224+2=226

01010101 = 0x55 or 5\*16^1+5\*16^0=80+5=85

11110000 = 0xF0 or 15\*16^1=240

10110001 = 0xB1 or 11\*16^1+1\*16^0=176+1=177

11111111 = 0xFF or 15\*16^1+15\*16^0=240+15= 255

63 = 63/2= 31(1) 31/2=15(1) 15/2=7(1) 7/2=3(1) 3/2=1(1) 2/1=(1) = **111111**

99 = 99/2=49(1), 49/2=24(1), 24/2=12(0), 12/2=6(0), 6/2=3(0), 3/2=1(1), 2/1=(1) = **1100011**

72 = 72/2=36(0), 36/2=18(0), 18/2=9(0), 9/2=4(1), 4/2=2(0), 2/2=1(0), 1/2=(1) = **1001000**

15 =

18

56

81

182

46

27

169

200