symbols = 1:5

x = randi(5,[1 20])

y = dec2bin(x)

[a,b] = size(y)

long = a\*b

bitsASCII = 5;

longASCII = bitsASCII\*a

probs = frecuencias(x,a)

dict = huffmandict(symbols, probs)

code = huffmanenco(x, dict)

n2 = length(code)

ASCCICODED = extraerASCII(code, n2)

sig = huffmandeco(code, dict)