

0 = 1111111111,1101111111,1111101111,1111111011
1 = 1111111111,1101111111,1111101111,111101110111
2 = 1111111111,1101111111,111101110111,111110101111
3 = 1111111111,110110111111,111101110111,111110011111
4 = 1101111111,111011111011,111101110111,111110101111
5 = 1111011111,110111110111,111111011011,111101100101111
6 = 1111011111,110111110111,111111011011,111100110101111
7 = 1111011111,110111110011,111111010101,111101001101111
8 = 1101111111,111111010111,111100111011,111010100110111
9 = 111101011111,110110111011,11111101001011,111100111010111
A = 1110111111,111111011011,111100100111011,111101110001111
B = 110111110111,111100101111,111101011001011,1110101000110111
C = 110111101111,1111010111011,111011011001011,1111001000110111
D = 111101011111,110111110101,111010100111011,1111001100010111
E = 111101011111,1110111110101,1111010100011011,11110011010001111
F = 111010111111,11110111001011,111101000110111,1111001101001001111
G = 111101101111,11110101110011,111001100101111,11110100101001001111
H = 111010111111,11110011010011,1111010100011011,111100100100100101111
I = 111101011111,1110111110101,11101100011011,11110001101001111
J = 110110111111,111101110101,11101010011011,11111010001000101111
K = 111010111111,11110111001011,111010100011011,1111010011000010111
L = 110111101111,11110010111011,111011001001111,1111010000101001111
M = 111101101111,1111001010100111,11011101000011011,111100011000100101111
N = 110110101111,1111001010111,1111000100101011,111101011100010011
O = 111010111111,11011111011011,11101011100111,1111100010110111
P = 111101011111,11011111101011,11101100101001111,111101010001110111

Q = 111011011111,1110111000110111,1111010111001011,11111001000010010111
R = 110111101111,1101111010010111,1111000110110111,111101010001001001111
S = 111011011111,1111001110100111,111101010000110111,111100100100100101111
T = 111101101111,1111001011010111,110111011000011011,111100010001000101111
U = 111011110111,11110100111011,111011010100011111,11110001101101011
V = 111011011111,1110111000111011,1111010111001011,111101001001000011111
W = 111011011111,1111011100010111,111100011101011,111110010010001001111
X = 111011011111,111100111001011,11110101000111011,111110001001000101111
Y = 111101101111,1111010010110111,111011011100001011,111100010001001101111
Z = 111101101111,11011101000111011,11110010110100111,1111010010001001001111
a = 111101101111,11110010110100111,111011000100111011,1111001010001000101111
b = 111010111111,11111101011011,110110111100111,111100110111011
c = 111011110111,1101110111011,111010011111011,11111010100101111
d = 110111110111,11111010111011,1111001101011011,111011100100011111
e = 111011011111,111110111001011,1110101000111011,11110100101000110111
f = 111101101111,1110110010110111,111010111100011011,111101001000100011111
g = 111101101111,11011101000111011,11110010110100111,111101001000100101111
h = 111101101111,11011101000111011,11110010110100111,1111100001000100101111
i = 111101101111,11110010110100111,11011100000111011,1111010010001001001111
j = 111101101111,11110010110100111,11011100000111011,11111000001000100101111
k = 111101101111,11110010110100111,11011000100111011,11111000001000100101111
l = 111011101111,1111000110101011,1111011000011001011,111100010001001000011111
m = 111101110111,11110010110100111,110111010001101011,11111000100010001001111
n = 111011101111,11110100101100111,1111000101010010001111,111100110000010001010111
o = 110111110111,111110100101111,11110001110111011,11111001000100101111
p = 111101101111,111011111101011,1110111000111011,11111001010011111

q = 11101101101111,111011100010100111,11101001011100010111,111101000100001000101111
r = 111011110111,11011110111011,111110010111111,1110111111001011
s = 111101101111,11110010110100111,1110110100001101011,111101000100010001001111
t = 11101101110111,111101101001001011,111101000101000111011,111100010010001000011111
u = 1110110110111,111100101001001011,111100100010100011000111,111010100100010000110111
v = 11101101101011,111100100110110011,1111101000010001010011,1111000100100101000011111
w = 11101101101011,111100100110110011,1111101000010001010011,1111000100100001000111111
x = 11101101101011,111100100110110011,1111101100010001010001,1111000100100001000111111
y = 111101110111,1111001011010011,111011010001101011,111100100010001000101111
z = 111110111111,1110111101011,11101100100110111,11110010010100010101111
10 = 111011101111,11111101110101,11110111100011011,111001001011011111
11 = 110101110111,111111001110101,11100110100101111,11110100010011001111
12 = 11101101110111,11110101000111011,111101001101001011,11110001001000100101111
13 = 111101110111,111010010110100111,11101011000100111011,111100100010001010001111
14 = 111101110111,1101100101011011,111101011100011011,111101001000100000101111
15 = 111110111111,1110111101011,11101100100110111,110110010100010101111
16 = 111011011111,1110111000111011,1111010111001011,11110010010100110111
17 = 110101111011,111111010011101,11110011001011011,11110100011000101111
18 = 111101110111,111011010100101011,111101100001001001011,111010001010001100100111
19 = 111101110111,111011010100101011,111101100001001001011,110010001010001100101111
1A = 110101111011,111111010011101,11110011001011011,111011001110001011
1B = 1110110111011,111101101001001011,11010100011100011011,111010001001000100101111
1C = 1110110111011,111101001011010011,111101110001000101011,111010001001000101001111
1D = 111101110111,11110010110100111,11101110010001101011,110110001010001000101111
1E = 111011011111,1111010111001011,11110011000111011,1111001001010010010111

1F = 111101101111,11011111101011,11111001110011011,111010100011101111
1G = 11010111110111,1111110100111011,11110011001011011,11100101011000101111
1H = 111101110111,1110100101101011,1110111011000011011,111101001000100010011011
1I = 111101101111,11101111110101,1110111000111011,1111100111001011
1J = 11010111110111,111111010011101,111100110010110011,1110110001100010111
1K = 111011011111,1111100111010011,11110101000111011,1111010010010010010111
1L = 111011011111,1111100111010011,11110101000111011,11101010010011010011
1M = 11101101110111,11110111000101011,111010001011010011,11110001001000100101111
1N = 111101110111,1110100101101011,1110111011000011011,111101001000101010011
1O = 1110110111011,11101111000101011,111010001011001111,1111000100101001001111
1P = 1110110111011,111110010001011011,11101010101100001111,11101001001000011001111
1Q = 1110110111011,11101011001010011,1110110001010011011,111110001001000100101011
1R = 11010111110111,1111110100111011,111011001110001011,111100100010110111
1S = 111011011111,1111100111010011,11110101000111011,1111100100100100100111
1T = 11101101110111,111101100001011011,11010100011100010111,111010001001000101001111
1U = 111101110111,11110010110100111,111011000100111011,11110010100010001011011
1V = 110111110111,110111101001011,1111000110111011,1111100010001000101111
1W = 11101101101011,111101010001101011,111100010110010001011,111001100100001001001111
1X = 111101110111,1110100101101011,1110111011000011011,1111010010001000101111
1Y = 11101101110111,111101101001001011,11010100011100011011,111100010010001001010111
1Z = 111101110111,111100101101001011,1101110010001101011,110110001010001001001111
1a = 111101110111,1111001011010011,111011010001101011,11011100010001000101111
1b = 11101101111011,11101111000101011,1111100010110011011,111010100100101001111
1c = 11101101110111,111101001001011011,11100110001110001011,111010001001000101001111
1d = 11101101110111,1111011101001001011,11010100011100011011,11110011001000100001111

1e = 11101101110111,11110100101101001011,1111011100010001011,111010001001000101001111
1f = 111101110111,111010010110100111,11101110010001101011,111100010100010001001111
1g = 1101111111011,111110100111111,1110110011110011,11110011101011011
1h = 11101101111011,111010101110000111,1111100100010111011,1111001001001010001111
1i = 11101101110111,1111010010010100111,1110100100110000100111,111010101000001100100111
1j = 11101101101011,111101010011001011,11100010110000100011011,111011000001010010010111
1k = 11101101101011,1111101000110001011,111011000101000110011,111100010010001010001011
1l = 1110111110111,1111110100111011,11101101110001011,11110011001011011
1m = 11101101110111,111010001010011011,11110101100110001011,111100010000101001001111
1n = 11101101110111,111101101001001011,11010100011100011011,11110001001000100101111
1o = 11110101110111,111100100101001011,11011001100001001100011,11101100001010001001011
1p = 111101101111,11101111110101,1111001101001111,1111101000111011
1q = 111101110111,11110010110100111,111011010001101011,11101100010001000101111
1r = 111101110111,11101110000111011,11110010110100111,111101001000100101111
1s = 111011011111,111110111001011,11110101000111011,1111001001101001011
1t = 111011011111,1111011100011011,11110100011101011,1111010100100010001111
1u = 111101101111,11011111101011,1110100011101111,1111011100011011
1v = 11101101101011,111010110001011011,111101000101000100111,111001100100001001001111
1w = 111101110111,11110010110100111,111011010001101011,111011000100010001001111
1x = 11101101110111,111101100001011011,111010001110001011,11110001001000101001111
1y = 111101101111,11011101111011,11111111001011,1110001110101111
1z = 1101011110111,11111100110101,1110110010100111,111100101110110011
20 = 11011101011011,1111000110010011011,1100101011000001101011,111100100010100100001111
21 = 111101110111,1110110010110111,11110001110101011,11110100100011011
22 = 111101110111,11110010110100111,1110111001000110101,110110001010001000011111