

0 = 1111111111,1101111111,1111011111,111111101111
1 = 1111111111,1101111111,1111101111,11111110111
2 = 1111011111,1101101111,111111001111,111111101011
3 = 1111111111,1101111111,1111101111,1111111010111
4 = 1111111111,1101101111,111011101111,111101110111
5 = 1111101111,1101011111,111111101011,11011001110111
6 = 1111111111,1101111111,1111110111,111101110111
7 = 1111011111,1101111011,111111011011,11110110100111
8 = 1111011111,1101111011,1111110011011,11110110101111
9 = 1110111111,110111100111,111110110111,111010011011111
A = 1111111111,1111011111,1101110111,1111110111
B = 1101111111,11101111011,11110111011,111110101111
C = 1111011111,1101111011,111111011011,1111010110111
D = 1111011111,11011011011,111111001011,1101001110111
E = 1110111111,110111100111,111110110101,11110010110111
F = 1110111111,111111001101,110111010011,1111010011010111
G = 1111111111,1101111111,11110111011,111110101111
H = 1111111111,1101101111,11110111011,111111001111
I = 1111011111,1101111011,111111011011,111101100101111
J = 1110111111,1111101011,110100111011,11110110011011
K = 1111011111,110111110011,111111011011,11110100110111
L = 1110111111,111111011011,11110111000111,1111011000110111
M = 1110111111,111111011011,111100100111011,11110110001111
N = 1110111111,111111011011,111100100111011,1111001000110111
O = 111011101111,111110011011,11110001010111,1111011010001011
P = 111101101111,110111110101,1110100111011,111100100010111
Q = 110110111111,111101110101,11110100011011,1111011010010011
R = 111011110111,1111010011011,1101101010001111,1111001101101011
S = 1101111111,1111110111,111100111011,11101100110111
T = 110111110111,111100101111,11110111001011,1110101000110111

U = 111101101111,11101111101011,1111010100011011,111110011010001111
V = 110111111011,11111010101111,1111001011001011,11110110000110111
W = 110101111111,11111100101111,1111001110100111,1111010100011001111
X = 111011011111,111110111001011,1110101000110111,111101001001001001111
Y = 111101101111,11011101110111,111111010011011,1111000111010111
Z = 110111101111,11110101110111,110111011001011,1111001000110111
a = 111011011111,111110111001011,1111010001110111,1111001101001001111
b = 111011011111,1111011100011011,1111100011101011,11110100100010010111
c = 111011011111,111100111010011,1111010100011011,1111001001001001001111
d = 111101101111,11101111101011,1110111000111011,111110001101001111
e = 110111011111,1111011101011,1110110100110111,1111010001000101111
f = 111011011111,11110111001011,111010110011000111,111110001010011011
g = 111011011111,11101001111011,11110110100101011,111101010001001001111
h = 110111101111,111100101111011,1110111001001111,11111010000010100111
i = 111101110111,11110010110100111,11011101000011011,11110001100010010111
j = 110110101111,11111001101011,11110001001101011,111101011100010011
k = 111011011111,1101111011011,11101011100111,111110001011011
l = 111101101111,110111110101,11101100101001111,1111010100011011
m = 111011011111,111011100011011,11110111001011,1111001000010010111
n = 110111101111,110111101001011,111100011011011,11110101000100100111
o = 111011011111,111100111010011,1111010100011011,11110010010010010111
p = 111101110111,111100101101011,110111011000011011,111110001000100010111
q = 111011011111,111011100011011,1111010111001011,111101001000100001111
r = 111011011111,1111011100011011,111100011101011,11111001001000100111
s = 111011011111,111100111001011,1111010100011011,1111100010100010001111
t = 111101110111,111101001011011,111011011100001011,1111000100010111
u = 111101110111,1101110100011011,11110010110100111,111101001000100100111
v = 111101110111,11110010110100111,11101100010011011,111100101000100010111
w = 111101110111,111100101101011,11111101000011011,111100010001000101111
x = 111011111111,111111011011,11011011100111,11110011011011

y = 111011110111,1101111011011,1111010011111011,1111101010010111
z = 110111110111,1111101011011,1111001101011011,111011100100011111
10 = 111011011111,111110111001011,11101010001110111,11110100101000110111
11 = 111101110111,11011001011011,11101011100011011,111101001000100011111
12 = 111101110111,11011101000111011,11110010110100111,11110100100010010111
13 = 111101110111,11011101000111011,11110010110100111,111110000100010010111
14 = 111101110111,11110010110100111,11101110000011011,111101001000100100111
15 = 111101110111,11110010110100111,11101110000011011,111110000100010010111
16 = 111011011111,1111011100011011,1111100011101011,11110010010001001111
17 = 111101110111,11110010110100111,111011010001101011,1111100010001000100111
18 = 111101110111,11110010110100111,111011010001101011,1111010001000100010111
19 = 111011011011,11110001101011,111101100011001011,111100010001000011111
1A = 111011101111,111101001100111,1111000101001000111,1111001000001000101011
1B = 110111110111,111110100101111,1110001101101011,1111100100010010111
1C = 111101101111,11101111101011,111011100011011,1111100101001111
1D = 110111111111,1111110010111,1110011011101011,11111001110011011
1E = 111011011011,111011100010100111,1110100101100010111,11110100010000100010111
1F = 111011110111,11011110111011,11111001011111,111011111001011
1G = 111101110111,11110010110100111,111011010001101011,11110100010001000100111
1H = 111101101111,11110010011001011,111101010001000110011,1111100010000100000010111
1I = 111101110111,111101100110010011,1111011000010001000111,1111000010100001000100111
1J = 111011101100111,1111000100101101011,11101101001010001011,1111000100010001000010111
1K = 111011100101011,111010001011001011,1110010110000100011011,11110100100000000010100111
1L = 1111011110111,11110110011001011,1111011000010001011,111100010100010000100111
1M = 111011010100111,1110111000111001011,11110010010001000101011,11110101001000000100001111
1N = 11101101110111,111100100101001011,1111001101000100001011,1111000100010001000010111
1O = 111011011001011,1111000100010011011,11110010101001000010011,111011000100000001000010111
1P = 11101101110111,11111010010001001011,11100011000010010111,111100100001000100001111
1Q = 111101110111,11111010010001001011,11100011000010010111,11110000001000100010111
1R = 110111110111,111111010011011,11110011001011011,11110010101000100111

1S = 111011010110111,1111010001100100111,11110100010100010010011,111001100000100001000001010111
1T = 1110111011111,111111011101011,1111011100011011,11100100101101111
1U = 11010111011111,1111110011101011,11100110100101111,11110100010011001111
1V = 11101101110111,11110101000111011,111101001101001011,1111000100100010010111
1W = 111010111011011,1111011000010100111,1110100100011000100111,111101000100000100100010111
1X = 1110110111111,1110111000111011,1111010111001011,1111001001010011011
1Y = 11010111110111,1111110100111011,11110011001011011,1111010001100010111
1Z = 1110110110010111,1111000100010010111,11110010101001000010011,11101100001000000010000111011
1a = 11010111110111,1111110100111011,11110011001011011,111011001110001011
1b = 1110110111111,1111010111001011,11110011000111011,111100100101001001011
1c = 11010111110111,1111110100111011,11110011001011011,1110010101100010111
1d = 11101101110111,1110111000111011,111100101101001011,111100100100010100111
1e = 11101101110111,1111001001010010111,11101010100010001000111,111100010000010010001010011
1f = 111101111111,1101111101011,11111001110011011,11101010001110111
1g = 1110110111111,1111100111010011,11110101000111011,111101001001001001011
1h = 1110110111111,1111100111010011,11110101000111011,11101010010011010011
1i = 11101101110111,11110111000101011,1110100010110100111,1111000100100010010111
1j = 1110111011111,11110010110100111,111011010001101011,11111000100010001001011
1k = 1101011110111,1111110100111011,111100110010110011,1110110001100010111
1l = 1111011101111,1110100101101011,1111011011000011011,111100010000100000010111
1m = 11101101111011,111110010001011011,1110101010110000111,1110100100100001100111
1n = 11101101110111,111101101001001011,111010100011100011011,11101000100100010010111
1o = 11101110110111,111100011010101011,1111011000011001011,1110000100010010010111
1p = 1101011110111,1111110100111011,111011001110001011,111100100010110111
1q = 11101101110111,111010110010100111,111010001010010111,111110001001000100101011
1r = 1110110111111,1111100111010011,11110101000111011,11111000100100010011
1s = 11101101110111,111101100001011011,11010100011100010111,11101000100100010100111
1t = 1111011101111,11110010110100111,111011000100111011,11110010100010001011011
1u = 1101111101111,1101111010010111,1111000110111011,111110001000100010111

1v = 111011011110111,11101111000101011,1111010001011001111,1111000100101001001111
1w = 111011011010111,111101010001101011,111100010110010001011,111001100100001001001111
1x = 1111011101111,11101001011010111,1110111011000011011,111101001000100010111
1y = 11101101110111,111101101001001011,11010100011100011011,111100010010001001010111
1z = 1111011101111,111100101101001011,1101110010001101011,11011000101000100100111
20 = 1111011101111,111100101101001111,111011010001101011,1101110001000100010111
21 = 11101101110111,111101001001011011,11100110001110001011,11101000100100010100111
22 = 11101101110111,111101101001001011,11010100011100011011,11110011001000100001111
23 = 11101101110111,1111010010110100101,1111011100010001011,11101000100100010100111
24 = 1111011101111,111010010110100111,1110111001000110101,11110001010001000100111
25 = 11101101111011,11101111000101011,111110001011001101,11101010010100111
26 = 11101101100111,111010011000101011,11101001010001000111,11110010001000010010001011
27 = 11101101110111,111010101110000111,111110010111011,111100100101000111
28 = 11101101110111,1111010010010100111,1110100100110000100111,11101010100000110010011
29 = 11010111110111,1111110100111011,11101101110001011,11110011001011011
2A = 11101101110111,1110100010100110111,1111010110011000101,11110001000010100100111
2B = 11101101110111,111101101001001011,11010100011100011011,1111000100100010010111
2C = 11101101110111,1111001001010010111,11101010100010001000111,11100110000010010001010011
2D = 1111011011111,11101111101011,1111101000111011,11110001101001111
2E = 1111011011111,11101111101011,1111001101001111,1111101000111011
2F = 1111011101111,11110010110100111,111011010001101011,1110110001000100010111
2G = 1111011101111,11101110000111011,11110010110100111,11110100100010010111
2H = 1110110111111,111110111001011,11110101000111011,1111001001101001011
2I = 1110110110111,11101010001011011,11110000101000100111,1110010010000100100111
2J = 11101101110111,111101100001011011,111010001100010111,111000100100010100111
2K = 1111011011111,1111101111011,11111111001011,111000111010111
2L = 1110110111111,11110010110100111,111011010001101011,1111010100010001001011
2M = 1110111101111,1111111001101011,11101100101001111,11110010111011001
2N = 1110110111111,111110111001011,11101010001110111,111110011010010011