00101101111111000001010

01111010111001101000100100001

01111

011011000011000110110010000111101001101011

010101110001111000111011111

000000101110011100010101111101000

011111000010000100

10101001001010010111101011001

1101101000001011101

1010110001001001011010110010101011100

101101101111110100

11010000101

111100111010101101011111100101100100

111001010001000110011

01101100101001110011010101011101101110101101101

010000110010011100111101101011001010

1011000010100100010010

00111111001000

0010010000000001001011101100110

101001

000111111110110101110101000

00111001100100

1110100011111111001000110100000101

000000101111001001100000

000001010010010011101101010110101010110111011

001000101010011100100111101111110

1

1010010011100101

0010100

010001110001010011000001001000110

1110111111110101000110101010000

0001000110101

010111000111000101111001100101100101011101110

100100101011011

001100111101

1101011101110100010101101110101100111110101001111

101110111000111001011100001

0001111010011011

010101000010101100100000010100011100010

10011000011101

00001100110001101010010011010001110001011000001

100110001001000010110011000001100000111

000100000001110000001001001010001111

011010110000011100010011101111101011100000

101001000110110001100000011001001100011001101

110111010010101110010101011001100111011001011111

0110101010

0000011000011100110

001101100110100

00100011010111110

0100001001011100111010001001001110011

0

111110111011

000011011010010101110010001101

00101011011010

01110001001001111110101101110000001101011

00011001101001000001000100111111010100110011111

1000101001001000101110010010110110101

100101010011010110110010001101010101

100001110100110100000101001110

0101101000101

0001010110100100100001101000010000011101

1

1101010100010000110

011010110011111010

00

1000111010110

10

00000001011

00010111101110111000011110110010101110000110

10110001100000010001000011100

101011000010

111

1001001011100011101001010110111000110000

00001001001010011101101101010101

0000110111010011

101001010100111010110110101001110

10000000111010010001000101100

101001101

101101011010010000111011

0110100110111001001010001100011011010010101000

00010101101101

1001111100101011010001101001010110111001111010

1111110010011111

010000010

111010100111000111000111001111010110011011001110

01001001101100101110101

110010011010000110011101000000

100010011

1101110100011111110000000001000011010

11

0010011110000100

0001111101011110110101001010010110100

00101001101010001011000110101011011100001000111

01

0100110111100100101100000011

011010111100001101111011101000110000101001010111

10110110001110000111000001101100100010

1100010

11

01010000000

1011100010000001010100111

01110110011

11011000011111111101000

1010

111100010000110110110010

011000111001000

1011101111011001011110100

00100001

10001010100000110100001

00110001011101111110011010001011001010010

10

00101001100

10100000

0111110110

010000111000010111011110011100011011

011100000100100110000101000

00111000

00101001001111001111100

11010111100110010100010110001010

11010111001110100101

1111100011110111111011101001111000111000100001

11011000011001011000110000111100001001110000

001100000001010001100101100110010100111010

110110100101000001001000100101100011100

000101011011101110100011111001111010110

0011111101010100110101111011110010001110000110010

1111000

001

1010100010010010000001010111101001011100010011

101010000000011101101100011001001000000101011100

011010001000010000001010001011001111

100011

00

11101110100

000010011

0100001111001110111111

00

001000111011110000001111

11101101001010011000000010101111101

10

0010011101111010011011100011111100110101011

010101111101000011110011111100101001100

000100011101011000000010001000100101111000011

000101100000101000000001010110100000111

0110000

1001100110101001101001111100000101111111001

11011100000110110011110100

01000000001101011011001000000011100100100001

11100010010010001010001000101110111111011100100

000000010010000

01000011111101110110011

0110111000001010011110101010110000000110000

00100010001001001010011110100110101

0

11011110100100101000110100000100

111010001000010111001010010100001001011011011110

000101000

10100010010110000000010100011001101

10100111011110010100001010000101110

11110111111010001011100110001010010100101

10001

00101011011110011010101000010010110111100001011

1010101010110100100000001000000011001111111111

101111

00

010

01101001

101001

111101011001101111111000001101

01010001110

0111011101110111000010110110111000010110011101

0001

011101

11011101001001011110010000010000011

0010011010111101001100011011001111111111110

11110001010

0100010101011

01010101000

001

111101010010001000111100100101

011

10001011011010011011001110

11001010111001010110000100100100101111111110010

11

000111101101010101100001101001011000

001101010000

10110011001000000000001111101111011000011

11

110101011111111011111011100011110010010011101000

00000100110010

11

0000110111011100001000100

0001000100101101

0010101110001110

0101101000010000100110101100010010100100

1000101101000111100

00000101110101011000001000110001011000111110011

1011111000001000111100

1100100001101001100111001111011100100000011

0011010010000011001111010011101111011011

11100010100100010110100010011110100000011

011110011110101001110001001100011110000111010100

0110011010110

0001100101101000101101010111001111101

1

11

1010011000000001000000011011

00111101010100111010101110100011

0101111001011011000010101011110011101

1100001

00

111000011111001011111000100000001100010111

00110010010101011000110101101110001

1111011101001010100010

101001110111000011011000

01111101001001011101010111000110101001

01100110

1011000100011

000001

1100100010011101111100000101001010111000

1001111111010110001110011100000011

111110001000011100000010111001

1110111

01110000100101

10001010100

01010100001111001001000111001111101001

10010110001101000110

1110101111111010011000

000100011101001111001110000110001

000000110100010000101111100111011011011101001

111100011001011111001011110000001000000

111111110111001000001000001001001110111010000

01101000101

00111010000110101110010001000

000

11001100010011111100000000100101110

000

100001110011

1000000000001000101100100100110

01001000101011010010001101110000100111

100011000110010101110

0111010101100011010101011001010010000110111

101111101111101101010

010110000001101100000000011001

0100111010110101100101110000000110

0010110100001110100111110110110011001110100110

000001101100111

00011101010010110010111011001

11010001110011011010010101111101011

10111000011011100111100110000011000000110110

1

1000

10111

00011010101011000010110010110111001110100011

1111110001100

1000000100011101110000100111111011

11101

0000

00011111111001

01001010111010100111101101

110100111011001010100111111

11

110101110110010001110

0000011000101110010000110101101001

1000000101110000001000010010111111001

100011011100101

100101010110001000101101

110111110000011001100001

1100011110010101111110

111

10101110111101001101010111011011101000011000100

01001011010

0110110100001000100000111

1101001101100

011101001101110101100000000001011001110000100010

11001010101111010

0100011111011110111001101

01010101001100110000000010100101111001011

1010000111111010000001111100000111110010

001001101000001

101110111011101000010011010011101

01101111011100111111111001101100001000

10110000001100111100001000

010011000011000100000010000100001011110

000001011010111110000011010001000101110110011

101111001100011101

0101100110111001011100

1010010101111101001000

1110000000000110110001100010101

1010001101010100

000101011111000101110000

1001110101000001100101111000111101

11111011011011100001011001111000101101101011

100111000110110011001100011110110100111110111

10100000001101001

1001010111000101110000111

110101101

10111010

10000000000111011000

10110110000

1010000000111010101001101011101010010011110110111

10101011001010

10110111100111001011111

11111

11100011111

000000111001111011

001000100111100010100100101000110101000001101

11001000101011011011001

010101111000011010110

01110110011011011011010000101100

11101001110101100

11001000110101

11000111101101

1001111100100111010101011110010101101100011100000

0101001110010011110000000101000100001010111

10010101

00110010000110001101010011

1110100010010101010010010000110101111

101001110000010000

00000110101011101011001010100000011110

11001

1100000001110000111001111001100101011011

01011111110100101010001001

111100111

00001111110101100110010010

011011101111001

011011101010100

010011010001100001111000100110100011110010011

1011000011010101101111000110010110011110001010

1011000000

1101

0010010000110000

0111001110100001011000110001110

001100110110000111100111010000011110100

011011101001011000101111000101011010011100

110

111001010110010101111000000110001000111000011011

1011101010011110011110100101100001101100100001

011101100000100111111111000101000100110

101111110001100110110001000100000101100100001001

111110011110011000001110011000110100101001101

1001000111010010110000110

1001001110

01001011010101011000000100000101100111011101

1

0000010010110111101

110000000101110

1010111111010011011000011110

100011000100111001100101000010100110100011010000

11111001111011110101101

100100110010100011001001111010101

01101111100010

000111011011011000100000001101110001

0100111001100000010110

10011010100100110000001100

1011011011001010100

01110100000101

1011000000111001111100000100001010

0101101010111000100110111010111000101010101110

00

11011100010011100001111001100110101011100000110

001000011101011010010000101000101010101111001

1001111001111001010000010101100101011001

01011

0000101111111001

1100

1011111100010100011000010111

1000000011101100110010101001100010100110101

000011001010000011010010011101011100

00000110000101011111010001011011011101111

001011000010

01011011110000111

011000111100101011110101100001100

11110001111001010011000000000000

11100100

1010

010010011001000110000101001000111010111101

000000101100001100011101110001100111110100010100

1001110001101110010001111110111

110010011010101001110001

00001111110001011110000100101011001110001110110

0011000001101011

110100100010111110101

110110011010011110010111110111111001

00000011010111001101100000100011100

110101100011

1100011110100010010

01111

00

1111100000100111000011101010000111010001001000111

00100000101101111100011011010

010000100110000110011110110000101100

0100

001001100001000011

011111111010110

010010001100001010

1001110011110111010110100000101100101101010111001

111001

0010011001010110001110001100010

100000

101111101110110101101011110011111111011011

0110111010100

01111000000110101001000110011110101010

0111000111010

00100011100

0011011100110010100011110100011010100

0001111011100100111011101010001

010

001011110101110101100001000

1001010001

00011011010010001111

1000111100111111

011

10111110111101101101100101100110000101101

1110000110011010110

010100001

11010011000101011010001010110011000011110000

111101011110111101000101100010101

1110000010

0001100001001110011010110110100110

0001110001010111101010001

011001101011101111111

001000000101010000100111101

00110110010100110000010111000011001001

101101010111001100100001111000

000100000100111001110110100100101011

0100111010111010111010010011000011011011011100001

100111111111010100010010001001111100000010110101

01110001010110101111110101001000111010000001

110111010011010101010001001110011100011101111101

0001011100100011100110110

111010011110101100010101100110111110000111010

100101001111010001101010011001

00100000101110100010011011001101000000101001

11

1000011101011010100000000011110

000001

011110001111110100010110101010

01100111101111100111010011

0101111001000001101111110100010011101110

1010111001

000110100001100100100

1111110110010010

011010110001111010110010011100101100011000000

011011001001000100010001011100011011

00110110001011001101000111100010010001000001

0001

1001

00010101111100110001001

00011001110110001001011000111100010000010

10

10

01011101011

01000100100100111001001110001110001110

1010000101000000111011011

100000011000000010000001010110110101101

0101001011010011101101001001100011010100101

00101000010010000000

1100001011101101111111010000

111000111111100011101010101001010111110101100

10111

1111011001110001111111100000001101100

010101101011001100101011100010110111100001010

11110

0101111101011100110110001011111111001100110

1001010110111

0101001001000011101110010101001111011011001111

00001110101000110011111111110

10000011000110

10010000011100000111101001000110010100111010

101011001

0110101110111000110001100001111100110

0011000

11111110010001110111100100101

11101101011001011101000100011000010

1110111010010110010010

01100001001001000100010010011111000110011011111

11101111011110001111110010101001010

01011000

00010111001010011010011110010110001011110

010101000101000110110

1001110000100101010

01101000010101110

1011011011110011111011000101101001011101100001

0011110000011000000

1001001100010010000110110111101

1011000110110111111100010001011101000111101011011

11001101111000101101011010110110

1011001010101001111000010111

0110010110011101110111101

11000

0100010101000001

100101001000111

0100101110010

11000011

110000111011000010

01110000

000110

1110100100011111111101001010010101000

010011011100

0000101110011101010111000001000010

00011000101100011100110100111011110111010

011100101110100000000110

000111111110111000101001011110000

111011000111100110100101110010111101100010011010

010001110101101111001110

1001110100

111100000000011000110101010011

11010000100011001000010011011100011000010001

001111000111011111000111001110110

0

0000

01100

0110100000001001011110000100110100101010

1101011101110110100100011111001010111

0010001000001000010011001010010011101010111100111

010110011000101110101100000011

110000001001000

101001101111110110010111110

1001

11000100110011111110000111

0000011010001

011000110000010100100111101011

1

0011001010111101100101101111101111100001010

11110010000111100010001001101111100111101

1011100001010000000100110110111110101011101010

1011100110001010010100

1100011000010100101110111

0011010000

00011101001000010100

10000100111011111000010001011001010

1001011001110101110001010001000

000110011011011110000111110100100000100111

110011011101101011011100011001

0100000011111101000000010

1111100011101000001010000001100

0111110111111111110110010110110100110011001

00011100100010100110

111001101011100010101110101111000110010010

0100010001111110110110111011

10001010011000011010100011101011101111101

0010011101111010100110101

100101101100000001000010111100

01001010111011110000010111110

0

010000010001

00111011011111000011101000000011011

01

1110110000001110101001001111000

1101000110111111011000010001011111011000011011000

000000101011101110100101011000000011

11111111010001111000101100

11100110001101010001000110111110

11

0001011110001111101110

0010010010011101101110000100

0

110001001110111100000111000001101010001011101

101010100011100010010101010111101110001011100110

11011111111110

11111111001

0100110000110001

0101110110

010000110011101110000110101100111001

1

1111101101010001010001001010101

1001100010100010

10

1010100001011111000100101111110000

10

01110001110000110101100101111101011

11100001001101111010

0

0011011001001101111100

011100101110101011000110101000011111000

0011000

1101001100011000011101000111011100010

1011010111110010010000010010111110110111

1001

10

010101111110101111110111111010110

11101100110111001

1110000100000001011110111011

00011

11001110011101111101000011110101010101110

111001

1

100000000011010

1010001100101100101101101000001100001001010101

01001

0110010011000110101110

0001101101101110101110100011

011111110101100111011010110110

100010010110100110001110101000011

0001000000100011110111100010011010011011101000

1001

01100111111110101010110001000011101

110111110

10010110001010100001100000101000000101111

0010101011100011111101100111000111101001101010111

00000000101001011

01111100101000101011100111

10100

00111001000100110000

111101100111101010110110010111000100100100010

001100001111100001101100100111110000010011111111

0011001010011010101110111010010011010

000110001101010010001000

0101

01001010110

11101000010001010110101001

00000001110000010110011011110110110101001010

1101100

1001000

0001111

100011101110001000010001101011100

0111101100001011011101111101

10010100101001100111011101100111100111010

10111100010001

0010000000001101000011001000000100001000111

00100101011111101100011110010

01101010011111010101010100

00111100100

01001111110011001011001110000111110111

0110011001

10011100

010011001111010001011

00111100000011001111110

0001001101011101101110101

00110

0111000

0001101100000011001000111101001010011100011

01010

00101110110111100001010100001

10110010011111000100011010010011101111000110011

10110100010100000010

00110101011110001

010101

110111000

10000101010000100000111010010

10001100000101100000111101101001101001

1000000100101011101000100111100101101

10110100

1101101001011101010101100001110000

1111111011001110101010001010001000010100101

0001110101110001001000001101001111111011110101

01011100101011100000111010011110110111

1011

000001110100110

01001111100011011110001001100

001010111000101001110

01110111101110101000011011010111

0011010011101010010010011001110110111001100000

101111110000101001101

1010000101

0101

001010101010000010101011011

1011000011111110100

11000011001111011001001110110101011101101

101001110110100111001011011001110011111

0101101100

0

101111000010110

11

111

111100010011111010111010

0110111001000101

11111100

01010000111001101110111001110100001110

0001101111110110000100011000101011010

0111

1101101110111101111000101110111010110

10

00101110101001

01001100111100100000010010011

0000110101101101000001001101101

01010010011001001011110

110001010010110001010111101101110111

1110011100111010110010001001

01000100010110010011010

011111011011011010001110110100

011010000101

00011011011011

110

0001110010110101000000000000

1010100101110010011110111011001000000101110000101

000010100

100100010101011111011010110010010

001100

1010111111011000110100010100101100010

01011110

11110101110010110011101111100100011111000110011

111001001011011111000011100110110110000111111

00001111110

11011011001101100000100

1111111101010010

010

0110010101001100011

001100111000011001100101110100100011101111

1111110011000101

111101111110100100001110001110111011111

11000101000

0010

111110000111010011000001111

10011011101010000

10010010

0100100011111

00

1011111000110110011110111011010111

11011001110110000101011011010010101010001

100100010111100011101

01111000000110101111010011101000000110000

0011110000111110000000110100101010101000111

0001001111000110100010100101011110000111100

000110011101000111011001000010101101110010111

000100011001101001111110011000110100

01

010100110101000001001100000

110100

10001111000000010

01000011110

0000001010111101111111000001011111101000011010010

001010000100111001111101000010100100100

0010100100000010111011010000110010000

01110110100000101111101001

0100111011001

01000001101101000010000001111

1101110101101

101011111011111001101100010110111111101011011

111000111

1010100011110001111110000110001

11000110110000101111011100001010000

1000111001011011101001100011001

0000010100100011001100000

0001101000001111100011111001001100

0100100100

01110010111111111001000000110011011101

1010011111

110100111111001

000100001000001110

001111100001010111001011010101011101000000

0101100101000000010101110000011011010101100011

100010010000100101001

110100110001001110111010111110100000101000000

111000110000011111110101111

111111100100000010001101001100

011011101101011011011101111000

1

1001111

11010010010011110

10011010001010110111000010101010100001100

1001010000111100110100010011101

101111101000100111101011001011000011110101

0011100000100011111010010010

11110100011001

0010110001100000001001110100000010000011

111110000000

110110100111001000

0010011011011110011

110011111

100100101000100100001

1

00100011101011010101101010100000010010000101101

1010110111011

0101110000000110011011101011100011

011101000111100010111011000010100000011110111

0010

0100

011111100110011101111010000111000010

10

1111

100100111100011111111101101000010

111001

01100100100010111011011110111

1000101100101111110000100100101000100001

1010000011101011101111

0100000011010000010000100111011001010

00101101111011010010100010111010

0101100000

10110001101100011100010010100

00100001101011111011111000010010101

010100

11101011011100011111101101101010000111011010110

1110001111000

1010011010000001000110010011

11101110001101100100011100

111010110011000011001101

000011001111000000

0011100101011101011101001011011

00100110100111000011101000011

010010010010101

111101011100

10000011

1000000011011010111000

11011010010101111000111110110000001000111

01

0000110011111101010111111

00000110000110000001100

0001111111110100110001000000111010001010

11100010010110000100111111110001010101000101111

1

1011111100101111100000110110101101111011100101

001101101101000111100111110001001

1011101111100001110111110110010111111110100110001

1011101110011000011111

0101000000000000000101010011100

110110000001101011001000000000101

111101010111100000110001011011111011000000

0011

01001111110011011011101111010

10000011

1010101101001110111001110010

011101011001111101001111111101111011110011100

011

11101001100000011110101110010111011111000

0111111100100111111000000100110101001

111010

11000000111010011

010101000010100000000110010

111100110100010001111101011101011011010001010101

01011101001110100001000111110100010100010111011

10010100101110

10001001000100011

1111000001001000100010110101001101

10101001101000101000000101100

1100000011101000001110111110011111

111110000100010000010

101001111101111011111110010100011011011

10010010000110001001100111

00111101000101111010

1101000111100100110010010101000111010010

11001010001101010

01001101000111110101100000001001101100000001

110010000110010110001110001011101000110011010

1100011111111110101100101110000001

001111110101111001

0010011000111111100000011001010101101001

1100011001010100100110011111100001101101101010

111010001101010000010011100100

001

100110110111100101111111010110011110111110

00100010001100010111111001011011001001111000101

1101100010001101011011101000110010111

11010101111111000011101

0110

0100101000101

100100010100111011101100001010110

11101110010001000010010000110010011010000001

101101100000100111011110011100110101110101

100011011001100001000100000110111011010100111

1110100

01001101111011100

00011001010101010000111100100011001000111111100

010111000100101111101101111101001001101010

01

1110111001

11101011100110000100001000111

01

100101011011

010100100101000111000100

1100100101111011010100

0100010100011

1111011000010111000000000001101101110100010011011

1011001001101100110

010010111101110110010010101111010111

01101100001110100011101111000010001110100001101

010100

110101100010000111001010

101110110011101101011111111001101001111100010010

110001001100101

0000100110000111110101

00011011010001101010101100111

00110101001000001101010011110001

111100110

11101011110111101000110011101010101011010

001110101110100011011101011001111011100110110

0000000

1101001100010111111010101110010100111011101

1101110100101101011101011011000111001101100111

11100010101100110001010001001100010101010

10111001101010111111011

00101001110101100

1100111111011011011111001011000

010001101110000011000011011011

11100000000110001000

0101010100011000100100111000101

111101110010010010011

100100100011011010111000101111010011

1111100100010001000010011111101011100000

011111000001001010010000100000010011010001

011010

010100

11111011101000010

000010100010100011

10011111101001110100000001100000101110111100

1000101101100111001000000

11011000000011010101

000010010010010011100110100100010

1111111011010110011000

00100100011101111011011101010000

011010010001110100001111010111011100110101001001

1

1100000111111111

101101111111010111101011001100

0110001000110010001011101010000100

0000001110100101001

1000000011011010110001110011

110100011000110

0000011110110000010000011

0000101110100000010100

0110010011001101001110100100011101101001

011111010101011111

000101000011

1

101000011111011

1101001000000000000011100110

0000111001010001001001010010100

110111101010110011000100101100110101110111

1010110100

1101000110111

01011101001000011010100110011000

0111110011110001111100001000001111

111001111

010000101111111011010

0111000000001001111001110110110

0001100100001100101100001010100110011001110000010

00

11010010110000100000010011000000

11000000001

101110101111011101011101010

10001100010001

11101110010011101010010001101100110

1101010110101010111101100

0001000101000111101

1000011100

01001101

10011010110100111101000111001110110110000001

00011100110000110010010

110011010001110011011

00110100010010000000010100010010100

00111101100111010010100000001000001111110111

010100110011000101100100010

11001010111111100000000001100

110100000110111111001101000001

101011111010100100

1000001010011110011100100111000100010010010

1100001011010101000111110110100

10111100100101001010101111

011110110010000

0110010000101

000

010111011011110011101000000111100111101100111101

01000111

10110111100001100001001001111110000101101100

0100010000

1001101111

0101100111

1

01

10010110100

11011011101000011010

100110110010000110011010101101

111001110101101000

00110111101110111000000111

011101100001100010100

0011000000111100001111010111110111011011000010010

00100011101011010011000111000101010011011

1110011011010100100010101010011000011101

00110111110

10011001

1001110100010000111110010100111010100010110

1001011110011

110111011100011000100111001001110

11110100010010110010

1000111100100010011010000010100

0110110111010111

01000000001111000010010001011110010010001110

11100011101001010

10

0010010101101110101000011111110011110100

00111011000011000

0000

1111000001110011110101001100000000000000011101101

0100100110100001100001001101010

0010110100011010100100001101111110110111011100111

1100

00000101011100001000010001110111101010

100111011111101000001011011011011

1100111011110010000

11

0001000001001000000000000

100101000100101011001111110101

011010010110

11000001100011110011001000111000010010000110001

011000011101000010101110101

101110011110110011101011101011110110

11100011010110101100101010001110000010

0110101001000010110100001011001000101110010011001

111

011110011100

000111110101000101000100010010000010

0011

11

00010001010011111

11

100110

0001010010010101001000011

0000111111111010110110000110111101111111

0001010111111010110011100010

001110001000000100

00110101011

11111101100101010000

10110110010011011011110101001111111110001001100

11

1011100100101011100110001100000111110

10111001

100101111010000110100110001001

01100

00101

100000110101110100101000011100111100101010

10

11001111010

11011110110110110100

1000110

0110101001100001101001010010011111

11001010111101100100

10001000011001011100111000100110100101100110101

111011000

0001011000001001010

110111010010111011100001111

000000000

010111100001110100101100110110111100000100010100

111111100011000001111

110101101110101010011111100101

000111101111010101110001101100111001110000011001

10011101000111101111001011001001001000

1001001011010010110010100111001111001001

1010110111110010110011001011011111111011011011

1110111101000111001

011000100000100

010010100010111010111001010101100001

100001000010010000001011111011

110000101110001

11000110100011110011100100100010011

100101

10000011

1111110110011010111001010001101000010

010010000000011111011001001001110001101010100

00

010111111001111100111001011011111100100110100

010111010110110010000

00001100010100110

1100111010001

011011110110110011111100101

101111000110001000111011110000011101111111101000

1100001001110010111111101001111011001

10001101100000101111001

111000011111000001101001010100100011000011110000

1001011011111001110000111001001101100010

0000001010100101100100000000100011101010110001101

01010001100010101110010100011101010100011010

1001010011100010001011

0000000011001111100000010100010100010111

001001000100001000111110000110100001111

1111100110001000110111111000011110

010001001100001010

0111011000101101010101

10

101000111001

10010110000101101

01101101110110111001110010101011001101001001

10

01101111000001100001100111101101101100101110111

010111111001000111011111011000

0010010111

0

100011110000111100011001000

1100100111010110011001000101010110

0111001000001001

0000100110011100111110110110001000

110101111000001000011000010111110100

011010111111111111101000001010100000110

01

101100001001101100000110001100101001101101001

01

00101001000001011011010010100

1000110010011101101101001111110100110

111010101100111100101100

0001000110010010111010011101100011011001001

001100101110100110010

10110100100000000

1011001100010110011110101100111010110101011110010

1010

00100100010010001111110101111

11100100100101101010010011100111001011100011001

01

11100100110011110000100100000010100001111

10100011100100010100

1011100010001

110100110

11111000111011000100

101100011

0110010010001111110010110

00000011010100111010110110101010

01010010101000010001101

01100001001011110101111

1110111111100100000011110011000111101011011

101010011010110010000110010001011100100010111

000110001011100

1011100101111001010010

1110011100011

01101011000

1101011011101001111001110111011101

010101

11000100010010001011101110001000110011000

0010110100110111110110

010011110011110111111111011111

1010000100110011001101001101110010000

1100100001100011111

101010

1111100111001010010110001000100100000100

111001110010111101101111111011100111011000010011

011001100100101000

00111011

111111110011111

1

10000001

010011100011001111001001

1110101110101111100111011110010100100001

1111001110010011110100100010110100

100011110110111

11010011010101110010111110001111101100110

100100010011000011101010010100010111001101

0001101000011111010000011100010

00110101110000110110001100

110010111010000000

0000010111000001100001111100000011

1010111011001111100000110001

01101000100011011001011010110

110010000101100001110001110011011011001001010001

011010

00101001111110001010

00001110101100001010101111001100

00011110001110011101

110011101011

1011110100011111001001101011101

10

00001100011101000000101011111100010000101000001

110100101110011

11010000011100010001010011

10111000101

11101010111101110101110111011001

011000110

00111001001100100000000111100101110

0010111000011010100011100110011010100011010111111

01100111110011011100111101101010010100001000

000000

0010001010111110001010000101110001010

1111011111101101101001110001101

0000010000111000000110111

011110110

0110000111111101101000001000

0101100010100011101111101110110110100001000

1111011010011110010100011110111011110000

00001011011100001011111000

00001110111010

0111101110010000000110011111001010000111

0001000001110110101101001011110101000001110101010

001010101100

11001001110100010011010000101000010

00

010100001000110110011011011101010100011001111001

01010100011

010001100000110001011

001011011010101010011101001110110100100

11010110000110111011110010000011100

01010010011101110100100

001100001100001010101001010001100001011011011101

11

001100

00010011100111010101110

00111001000001010000111010110000010010000

111101

001010100100011101010000001000101111

010001000011100101111011101100011110010000

001001110111001100101010010101

00111100110001100101

11

0101001

11111010

01001111100001011111101011

0111

110100110110111111000001

00010110101

010011110101001101110011101101

001110001100

100001010111000010001

011111101001011110011100111001

11111111110101111000111010001010000000111100110

1101101100111001010100

001011

010100010011111010001001110101100110001011001100

000111

011

10110011100

01011000011111001111110

1000100111011

0011000110001100000000101110000

1111101011010110000

111101

0110010101111101010011

110111000100111110011011100011101010011001

0000111100101100

11000000000100

11000001011

1011111100010100111100100010

10

1001110001110011010100001111

010110001010100110

00000101001000110001010001

0101011111010110000100110

100101110110010110111100001000101

01

001110111010110100000101111100010010011101

01010010101111100001000011110

011010010010011111

10011000111010111110010110010001111010001110011

1111110111011010110

01010001101001111111100110001001

010001111101110111000

0111

011101110000

11101010000001011010001010001000111

10010011001010110110100001111001111001

00101010001011111111

0010001

100101011001010000100001111010001001

11100111110101100010100100111010010110

01

001100110000101001000110111010

10001011110010011001010001111010010101111101

0001010010011111110000000110100011101011

111100001010010

000011

0000000100100101101101000011100100111010010010001

1110001

0000100101101000011001000000110011010111101100111

1001111001010010101001010010011000010001010

101100010011111

00011011010000110011

1111011

1000011011110111011

0010011000110001001011

110001000001110110011111111110

0101101001

11111111100110110110011101000100

10110001100101110101101

0101000000100010101111000001101000111000111

11100000

00110100000

1110001000010110000

1010101000011010110111111

0100010000011101011111101001110011100111111101

01001100011111111101110100111110011111111111

11101

0010010011001000

10011110111000101

01110001010011100

11110100111011011001101101

000110010

11100111001111101110000111011001110000010

0

1110000010001100000010110

001111001

0100100000110110001000101011110011111000

0001001000

101001010000000011101101110110

1111100111111

01011010100010010100111110101001011101000110

00011000010101100010001111

110

011010111111111101110101001011110011111011001

110110111111010111001011111111101101001

1010100111000010010

00010011001010101

0001111

011110010010101011011000010110000

0100001111001011011

10011

0011011110011001110000001011110110100001001

10000100011011001101101101110100100

000010110100

100011011001010111011100110101

11010000101010110010110

110101111000101101011001111110

1010110000000100010

00010000011010101

000011100000

11011010011001

1110010110101011110100011001100

011001

11001101110100110011001

101001011100111000011101001

111100110101000001001100

1010010011001000111000010100000100101011001101

110110011100110010010101

001000110010100010110001011111101001001011110

1010100101000110100010110

1000000011101101110

00100

0010001000011000101001010100100111101011

1100001110100011100001111111

0011110010

0110001101101100110010

111101000000111000101000110011110

10

0000001100001110110011100010

101110111100001011100100001001

10010111000011111000101111000

01

1

01101000110100011001101111110

01

1110100111110010010010100101110110111110101001

000000111100011101001000

1001

000010011011111000111101000101000000101011000000

111011111000010011001110100001010

100000111100010110011101001001010111001

0101010000111101010100011110100111000110

11100000001110101010100011000110011

110011011111

00100000010111101100111111000010110011111

0101111101

1010111110100011010001111010001

110001110011110111000000

011011010010010001

10

0101011011011011001110001100000100001100001011011

1101111111100000110100111111001

1001110010010011011010010

100001110110100001011111001101110

1

111111010010100001000000010111111010010000010001

11100111010000010011110011000001011001010000100

0001101001000011111100011000000001101

01100001110110101110001011100110000

00000111

1110100110010100100101

11010101111001000011

011100101011000111011100010110011110101

10110000111110110111111100010111110110111010101

11100000000101000000111110110100

10110011011001

01110110100010110010111010100111011

01110010100011

001

1100111111000

011

1111111000010011001000010010001101110110101

01010111110101001000111110011100111110

10100011000111100010001

0101010001000111000100001111110111011

10100011011100010100101000111001111

110101101100100111101100011010000

011111110101001011100001001011000100

00110110111010010101111011011100

101100110110001111110100101

000011100000110

101100110101000011010101011110100001010

11111010101000010101010

01110110

0101110100011000100101001011101110011001011101

000001000110

1101100001111111011011011110010010101

11011101001011001100011111000001110000110011000

1

11011010001011110111101101010010

000

00101100010110001

111101011110101111110011010010011000000

0001111

0001100111010110010111010001000010100101100011100

1111111000000100100011111111

01001100110101010

1110001

100100011011110011

1111111110000101111011111010110110000

100110101010001000001011100001011

00001010001011011011

0100011011001111011001

0010001100001010001

0111000111111000100010100111

111011010010

110101011000101001101000110001110010110111

1000000111111011010111010001110

1100011110001100111000100001011011011111010110

1

10

11101111110100010111110011

10000010101011010111101001001011

1010001001

01101110101001010100000000001101000101010

00000101011001111000111100000101100110

1100011100110010001100010000110000101010

100011100000100000101101111010111101011011110

1000110111101011

01000110101

010110000101111010

0000100000100011000011010101101000011110000010

10110111010000011111000000001

1110101111001101

001010

1100001110100011110011011110001

001111101010000110011011010010010111

00000110001000100

1001111010010010111111011001110111111010010111001

11011100

010110010010110000100010110001

110001010010110100010010100111100100111110111

101010001

10001010101111101

001111001010011110111010000111000011011010000001

01011011001010001111110111111001101111100110000

00100000111011010100110100

111001111110001101011001110011101010010110101110

00000000111110110111101010101101101

01110101101110100010111100101010101

10111001010110010100011

001110

001010000000011001000010010100110111011110

11101

10110111001110111001000011111111

01111010011

100001001111101010101010100

111010010

110011

01110110010011100101

11100001010111111100001000

010101101010

010011001010

00111111001000

11111011100101111101100

0111111111000110011001

0010000111001011010110001111111011101100000011011

1001110001000001110001110010101000

111111110100000010110101100010010110

010

1100

111

000010110011111110010100100

010000110011100010001101110111010001001110011

0100101101

000010100001010010111110

11100101010010111010010111001111111010011100110

011000000001011111111

00111101110000111010100011111100

00011110100010011

000000100101000010110011000100

0

01101

000001110011010101010100100010011010100111100

010111101110110111111010011

111111110010101011101110

000010010110111101101010000110000001100111011001

11000110100100000111011001101011101111101

1011101011000101101010100011

001001100100101011111111100011111011111110101101

001101100101101100111001

100101111001110100011010110111010001110001011100

010011111

0100101100100011101001110101110111110001

0110110001011

0010100100001001000101

100011100000011001111011

0110111111110010101000110110011010

11

000001

10011111101100011000100001111011100

1100111001000110010111000000111110100

01111101011000100101100

0111010

100110101010010001111101111111010

0001000110100100010110010010111011101

00111110111000110101001010111000011010010101

00111100000110010111000010

1001111011

100100111101010010

01001110100111110100010110011000010

10111010011011101111100001100001100

10100101000110001110101111100001111001100001111

10110011

00

1101001100011101111101010010001000110010001010

110111100110010001010100000010111011001100011110

0010001101000100001110001100

000110

0100101000111010010000010000

00011000001100111101101011100

00011110110010001100011011101100001

10100010011010010110111010110100

001101000111010010111001

011000001001101000010111001010010111000101011011

1011000010000

1011011010011101100011010010110001101001010000011

0110111010

10010010010100111001000111000

00001111101110111100101000110

10111110110

00111001

000011110111111100001111111110011110000

0100000100001110100001100100

110100101001100100001010111011001100000011110

1011

0000010111010000100000

11

011000000000011001010000000100011001101111101

10001111

1101011110100110110

00101010000101100110110000

000

1011110111011

01010101000111101110000000000010110110011010011

01100110000010001100010111011111011000011

010110000111100011100010000111

00

100001101010000001

1101101011110010111

1110000000000100111110

0010111111101011

0011

1011110110111000001011011

110100111001111011100001100111010100

100100011111110

110110100111111000011001110111001100110

10101010110001001110011100000110010011

010110110011101111110010100

010011111100100100111010101110000100111100000

00101010001010000011101001010001111111000

1010110101101001

0111001

1

1100100101000110111001101001101111000000100011011

0010001011001

0010110101011000101011101011100100001101110

1

01001111011000010000111

0000101111010011100010011111100

10011

0011001101101101011101011110110

01010

00

101000111000100011000000111

1111001100100

00011000001100010100011111110000010

110010010110010

00111000100010001011110

00111010010011

100110010111010000000010101000111011011

01110100000111111011001101011

0001101111

110001100100101110001010101000110001

010100101001010001001010010110

1011010101001101111010

0000101000001111110001010

00

0011011011111110011111101011100011100000

010000010000011

011011111011010111000101

0011111

1000000100110001011000001001000100000100

00011110111110000

101101110110011010111001100000111001001110001

00000101011111111011100010000100010000

1010001000101000011011110010

11110

1110000000101001101011100110000110

101110110110100110011001100001100100111001001111

0110111010

10011010

01

111011101010111

0100010101111000

000101111001111011011

101100000010111000110010001000011011111111101111

00100101001

1111000011

111111010010000100010010101110

000111110110100101110111100

000111001010011000000100110010111101000

0000010001111110100101

1110000000111110101010101000110001001100001101010

1101011110011100110000100001010100110011

010011110100101100010000011101

0101100001110111001010011111100111110001000100

101100111110010110010001101111100

0111101001110

01011001110

0011001010101111101110011

0111111100010110001010

111011101010

00110010101001000100000010011011010000010100101

010010010

00

1010100011110

001101110000100100101100100

00100111

00111010000101011111110

01000010111011111

11100110111101001111100101101110110111111100

0010010010001100000110

1111001010000110101100

0000110001001000001111110010010100100010100

100011111001001011

1111000001011100101101001

000111001101011

0110101010111

01000110101110110000100

1110010111000100000010110010001

1100100101110111110010011101011111

01011101100011000011010001011010010

0010100010000111001111010101011011101001

00110

11011010101110101011001001000

1101101011111111101111000

01011100001001

101010110101010110110010010111101001101

10111010000100000010100111010101101010101010

101101010101

0101001000111100011111

011000100011111011101110000001110100011111101

1100010

1101111011001001001010

00110110010111111

00100100111011101011111100000010000

000110011010001011100000100000110010

100100010100000111001111111011

11010110

1100000

01010010001111

10000101010010100111011100111001101101101100110

10110000110010000011000110010011011010

00000010111010110

00011010111

00111110101100100110100

01000100011101010

00111110000011001101010110

0100001010111000011011001111001111000

0100111000100000010111001

0011111001

1001010111011110011100010

1110000001010100101010011000011

010011111101111011001100101001100110110110000

11100100101011000011000

010100011100110110111011010000000

110110100000110000001111100001

0000010001001010100000100001000101101001010001

010000111001

110

01011110111101

0

01010001100111100

001001011100010011000000100100110100110100001110

011011010110

001000111111010011101000

1110001101100011110001010111011011110111110011

1000110010111010111001110001010

11101101101

111111100000111100111010011101100100111101000100

1110101

01000101000101001111010011011

1010000100101110101111100111000

01011011010100011

00001100000110010110010000001111101010

101101110000111010110

000111001011011111010110101101001111100001110

000000100010100001100101001111

11100000100111

0011001000111011010

01101000101100110

100110111100101011011001

0101000011011001111010100001111010011

101011000000011101101011010101111001011

01001010101000100

01

00101100

001001000100100010

1010010111010000100101001011110000

010

00100010111001110111011110110010001000

01

01010001100011101000111101101100001011

11000011111101101101100100101001100

11011111011101111

10011001000011010100110100

1100010101111000011000

01100001101010001111111110001111111

0000111000000110011100001111010100001000110111

01

100100111111100

100010110100100011100010000001000000000101111

101011001000100100111110100111111

1101100011100000110010011011110000000100

110010100101011010011100100110

0011100110000111110001

1101001010010011111010100011011100110010

01111

010010111011101011010010101000

01111111000100000

011101010010011001111001100110

0001

101001111100101110110010010110

111010110010101100100001111100101110

10100011111011000100101001111011111101101

11

0101100000101100000111111010010100001111101101011

1001100011001111001110111011110011001000011

00101100101010101

1

110010110100011

101100011100000000101011100001001000011

0000010101000101011111011001100000001000

0011001111110

01

00011110101001101010110

1001100101111001110001111110110100001101

00110101011100011011100011010

10110110001100110001

010100011000111000010110011010111001

11001001011110000100011

01100111

01111000110101101

00011011

0111111011111100000

1010011001011010111000011110010

111111010011100011100100000011000100101

01100001000000

1

1011000011010101110110011010101101000011

1110100000111001010110111100

011

0100110110000010100101010011011001

111101100010100100100001101101111101010001

1000001

1

0001011011101000111100000011

11110010111101111011011101011100110001001110

11110001011110

101111110010000001100100001

1010

10110100000100010001101111110100001001001

0011110110001000110110110010001100000

110011100100

11110010101100100100000000110011000000

111101011001011010001100110

01101100110010000000110011010011011001100100

1010100011010001010

1110011101110100110001111010101010101000

011011010100110111000010000110101110000111

0110100110111110111001100011110100000101

101000100011101110101011100101111

1101011

1111011100110000011110101

0000101101110000011000

0101100011110011001010100100000110010010110

1001101001100000101000100

00

01001101101100001110

111011100011101000

111000000011110101011100

000101110100101111101

11111011100010100000101100110001101001111

101101101000101111000011101100111001001111110

10100011011011011001001010

010010110101101100100110100111

0110010001

1010010000101100110100001010100001110000001

00110010101110110011110010

00000011000001111

0110010101

00111011010100000011000101001100

0001000110000101111100111001

11011110100100001010

011

1100101110000101001011011011101000

001001010001

11000000010010

011000010101011101110000111001001

1010000100101001101011100110101

010010100010001000011110110101011

1

01010001011101100101110011111101001000011101010

0010011000000111100100

0100110101010111101101101011110100110101001

011110010100111000

00100111110101

01

1011010111010110110101100

11001011

010001001111110100110010101100010100000111101

111

1101101100101010100000011000011000110100110110

0111101100010111110011

0100110110001

00110010010001000000111011110100010

100110011000111100000100100001111101100111

0000110010110111001001101010

111001010000111101010111100100111001111001101011

1000110011010110000010110100101001110101001

1100001111010000000100010100000

10110011101001

0100011001111100

0111111010001011110110001010110001001110101100

1001

00111011

00000100101101110010011101100011100111111

110100111000100

0010111101000000111111011011111011

1100100111111111001101001101101000000011

1111111101101101000101000

00001011110010010111100010101

10100100101001100111110010100110101001101001000

010001011011111001011001010011101000010010001

1111101011111111001

001010110000100100001100011011101

1000011011000

0

01000101101011000

001000011101011111101100000

11001001110000011010101110

01101101100111

10101000000100111

111110001000101011000111000000111111001000100000

0010000011

01010101111

0100100011010010001101010111110000

0000111

0100110111011010010100010001

1111001100100001000000000

0011100111010101100110100111101001001

100101110111100010000110111011111001100

10101

10110

00001110111000110010011111000000001001001

10111000100110

1

011001110110111111100000111

100011010000010000100111100000111101100

00001100000010000111011011100100000100010

10010010

11010111000110001111000110100101

1011100101100100001101111110001000111101

110111000101011001001100010001011000100

101001010

1001000101010010011001100000100100

101

100000011101100100101101110

0011001111000101101001110010111100011100111

0110001010010100000010001000111001

00000010100100011100101101100011110001111

101110110110010110011111010111010010

111011011101010101010111110

110000010010111100110001001000101010011100000

0101111101101

00011101001100100101100001101011

1001100000011001000000010

100100010111100010011010011010011101

1111000001110

0110100001000001100101111110100010100100001001

11101100110010111

001111

00110111101000101111100011001011111010001011

101100010010001110101101111101101110

11

1110101111101000011101001011110

010

101001111010110010111100100100011100110101

10111100011100000110110110

0110

101010111011000110110100111

001101100001110001001101111010

1011100010111110111

111011110111001001110011011

1101110

110011000

1010110110101011000110001

1000

110100011

001100001

010000001110100100111

00

00100101100100

000000010001

100101111000011010100100

10011100011001001000000100010

0111111001

01100101000

0101101000001010110100100001100011

11

0001010010111

00

101011011010000000000011111111111111

1111110101011100

11000000100

100101001110010111110101000100001110

0001001010100110111111101001101000001010111111

111

01111001

01100111000110110101101

010110110010010010

111111010011001100110011100

1000110

10010011111

110010100100000000001

11000011011111111001010010

01111001101011110011111100110010011101101111

00110111101000111000101101100010111

101110011011001111010001110101001111000001001

0111101101001011100101111110001010011110000111

011

011010101

01

000000111111011111111010000

00100100000110010011100101010

1011100000010101110111100100000011011

1100101100011001001000100101110101110110

1000000

0011110111111001011

000101001110001011100101111010111100000110

10001000010111010

10

01001111011101100010001011000

111011000110000011011

01

10101111000000000001000100100101000010000001

110100011001100111000010111010101010

10011100000

0110

001110100001110010111111110010

0

101110110001010110010011100101111101001010

1100100100100100110110101110

001000100100000111010100011111100010

000111010011110001

10111011100

0011001

10100110100000100100101111001100001111001

1100000

00001111

11000110011011010000010100001101111

01

111000011000100010100110111

11

0001010100100100001101101100111101010101

001010100000001111100111110001001100100

00010100110

0

11001101001110110010011100011001110101010101

00011011011100111011101000010101010011000

100101101000100011101110100011

01010000101110011111110110100

0000100111111011100100011000010000100

100111010101100101001011100110001011101111

10000100101101010

1101110110101100010110111110111100111100

01101

10111100011001000010111001001010110001011100100

1111110

0000111

0111001000001110101100110111000

11

1110100000011011010010111101010

10100001000011100110110

0

11100001101010011000011110111001110000101000010

1111

000000010101101010100110010

0111111110110011110100

1101111000000011110001100011101

1000001

0000111101011111110011011111011110100011

01111101000001111

00101001101110011101010001

110101010011

01010100100100110111001

100011010011100010111101000110010000011

000111111001000111000001101110101011010011

00

111010110001010110

10000001000010101100

1011010000000011111011110101100010

10100

1100111100011000101111010011101111111000

1100100010101000111100010010000011100000111

11000101010110000011011101

00000111011111100101111001001100101

000101011110011101

01011011110001010101000111000100011

11111000111111011011011011110011001110011000111

11101011110001001100111110101001010001

00110110110010000011000010000

100111000110111101101000111000100001101000000010

00000111101100011001001001011100001001100001001

0010011111111001111100111001000110100101110001

01010010110111100000

100100010101001111100110

01101001011111001101000000101111110110

001101100000111

001011000111011111011010010100001011000111011

0100011100011000011010110110

00101001111011100111001

1011101000110111

110101010000000100110101111011011

111011110100100110010110

011100111010000110011010011

0100011100110111001000101010110000000100

11111110000000001101001010000101100

1001001111001110110001100110101111110001

11101

0001111

11100000110111100010101

010110

00011101001001111010110010001110111000

0

100110100111110110101101

100110000

110000010000100101001000011000101

0110011000110010000000000101001011100

1

001000

010010111011

0010111000001011000001110

0011111000000000110010110110000110100111

10000000101101001

0011101011001010

0110011011

010000000001110010001110101101011000000110111001

00000010001111111

00000011000010011010011010010

010

0010000

0001100001110010100100110

00100100000011111011001000011100010100

0101101001110010001000010000101010

101

101010011001111101010

111000111111101101010100010101001111111010101

100110110110

010101011111100010001100100101100110011

0110010000010100110110011001011101011111111111

11

010101110100001111

1100011011101

0001100010

111000001011111101111111010101

1101000011001010000010

01001100001111111100

010101000000010011011000000110

1011010011010000101010111111000010100001110010

111111010011000100000

10101101011110101111011110001101010000110011111

0010011100

110000011100011010111101100010

0100001011001

01001100

000000100001011001011101101001001010011011101111

011010000011111011100

000010010100001011100000000

11010000100101

0000001010001

00000010010100110000011101100000101100100

001

11100010

011

0111010110000010001111100001111000

0110000100101110

010110000110001110000100001

11011000000010101010110001

1110101111111111011111011010000

10111101011010011111101111101

11000000100000011101011101000000

111010100011100100111110001101110111010011110

00010111001101101010101101110101010001100111100

00010100100000100001101100

0010001001110110110110010011000001

1010010010110100101001111000100111010011100110000

101001010010101101010101000111100111

0111100010001101

00111011001110101000011100010

001100010110001100001011000101011100100010001

01110100100111101001000

0101101010000111100100101110001100110111010010100

0110000111

011111010100110110110000011001111

00101011010111001001100

1100101111011111100110

0101110000100010111011000000110000110110100111

010111010011111011010001011010101001111

11

01001001000010101101011100110001111011011

101

11110000001011

110110111100011011101000110001001111111011110001

001100000001101101110

01001100001

110100011110010101111000100000

01100101111011001110000101

01111111000010011011000011011

0001010110001011110001110000011001110010000

011001101111001111000000101110011

001111110101

111001011011001111100100

00

011010010110100100100011110001001100111

110011110000100001001111011011

11001001110111001001000110010001001111

1001111111011000001001

100101

110100010110000100001011011111010110

111010010011110100010010

0

110101010100001110100110001101101000111

000000011001000000110110

1101101110000111111111111

00

11010101101011111001000101

000111010111001100000000

1111101

11

010101111100000001100001100111000110

010111000111001010001001

100111110000101010110001101111

0110101101001100001011011110011010001

11010111110001011111100001001100001011011110

0100101111010101001100000001

10011000010010010000011011000001000100

010101000101010110001111100111

101001001101001101101110101111110

01000100111000000000110111111001000101000

01010100101011101000

011110100010011111111100011010011010100111011000

011

1010

111011110110101000111001000101

101101110010000111010000

111101100110001

0010111111111110010101010110011001010000110011001

01010000000111100100111011010100101011011

01101001000010000010010000

101100010000011

00001010100111011100011101010101

11000101001100010000011001111000010001110010000

11111011111111011101100111

011000111011111001010011011111001101111

00110010100011100111100101

11110011100000000010010011100110101011100

010111101111111000001001101100

01111100010110101111101001110100111001010100101

01000001010010001001100110100000000

1000000101101011101110110011100100000010101011

101110111001010101010011101111001111000000

00010001010011110100000101111

0111010101010111011111110010

01000111001111011

1101001001011100111110100110100100000010

111010001100101001011011011011

10101010

11101101000010101011110001001000011110011011000

011100100101001001101000110101100000011111001000

100110010001100101111001001010111000111

101100111101011101010010001111110

11100101100

11001110111

1001010101011010001011010001011000011111101

00000010110000110010111011000110

000100001100111011011010111001

001100001111111100111011

1010100100000110110101001111001

10100010010001100110011100111010010111110000110

01011101110111010001111000100010

011100000111100110110100101111010001010

111110010101110110010010101110011110

0000000010111001000001001100011010010001010101010

10101011001100011101100001001100011101

1111011100111101110001010111111001001

0111

1111111011000010001

100011110101101110001101010011110

0110101010100111101101001011110001100001000000

11010000101000111000000011000001001010111011000

001111100000101011100011

100011110110101110100001000101110001101

01010000011101001110001010100111001000100

11000001000001110010110111111

111011111101111001010001011010011101110110110111

0110100010111010101110101001

1110011101101110000001110011011011111

0101101111101011011111000000001011

11110

1011101010100110111

00000010000110110001010000010100111010111001

111111011011000111011101001001111010011

11

10010010110001100110111100011001111

1110101101011000110110100101011011101

11110110110001001

01000101110

01101100101011111000110010101110000001010101

1010001100

11111000010100

0011011010000111011011101011111011111111011

110001111010101001111100100

001010001101101011

00111011

0001011100011010010001100

101111101110101111100100111010010101100001

01100000001100011001011000101010100011001101

0001100110101101101

111111001101101110011110100

110100100011100100101000000001011011

110100000111001

100100010100

111010000100110111101010

1101001000000001000011001100011111011001

1010

1010110111

111111110011001011

1111011010

00001100111101010

11000100

11001010100

111110100100000101010011111010111100111010111

11000011000011110111010011101110100

000100100

10001111010111101100001111100110011101

10111001

11001110011110100110101010000011100

0001101110110110000111111

0111011011

000100111101001100111001000110101010

111

1111010101011110011110011011111100110

00

001011010101110000101010000001101011110100001101

11000110

1000100100011011111010111010101110101000000011

0

0010101100001010000111101011111110111

1101101101001011110111001110101

0111010

001010010110000011011110111

11011101011001

001010100001101111

001001111011010100110011100010

00101111001001011010110000000

1

11110100100100101111111001000

0111111111011001110111

00101101011101100

1011010000001001101011111110101100010

011111101111010001110

0110100000110001000011110100111101111011

111

011110010110100110010010011

01

00110110101000

0110010100001101011101011011

01011101111100110110011111011011100010

111011010000000110111111

0100100

11010100110101110011010010110011011

11011001100011000111111010101001100000011101

0000100100

110

0

11100011001010111011101001011100001101

01011001001110001000101100

0111011010111

1111011001011001010

1101001110000000000001

0110101010110

10101010100

011101010110010101011000

1100010011011000011110010101100

10001001111

001100110001010001010000

101000000110001101111110110

11110111001001

010

001011111010111011010010100001001111

01010001000

1111010111010100010000111100000100

101010

10111011010011101100100011

1101101100010000

11110110100101011010110

0001

100111111101101

00011001110000101111011011000011100100

01

1101001101

1001101

010000001000101110001010111011100110

00010110011011111011

0110100010100100101000010001001100100

011011111111111111110100000001

01010010001010010

1111001011001001101000100001010111110011000010

00001111

10001000101011111011111010000000101011

1010110000001110110001010000111101

10010000100101110110100011100111001001111000101

001100001111001111

00111110010101110010110011000

0011010100010000010010110011111110001000100

001111010010000111100001001011111101

110010100100

1100011101011100111110100000110100101

00011110011111111110010

11110101110101000110010100000111100111000001

100000111110100001000011011101110111010111011

1

11101100100110000010011001100100000000

01000101111110110100101111110111100101000111

0111001

01011101111101011

00

1001001100110000110010110011101

01010111

111100

0100100101001010101010100

101110010000010001111110110110100011

10000010010101000101001

0001110011

10000011010101011011001101001001110101

110100001

11110010001010010100001101000001

101101101110001

000110111001110111111

1100111000001011111111011100110001001110010110011

01010000001111000

001000001110010

0001101001000010

00000110100

01001111110001000100010101001000000000000

01001110010101010101

010001110111110010101011101010011

0010110010000011000100100001011111

10000101101100110101111

10001100101111010101000111110001010000100000100

0100110000011010110100010101110100

110

01100010111110001110111100100110001101

0001110000

100010101100100111011010001001101110

1000110011001

01100010100010001011011101010101

10101110

11101100100010101101010011011001000000101

0100000110000100

1010101111110010111

0011110100111011100

10001100001101111100001011100111

110000001001101110010010010110110101111101010010

111101000010000100011001001100100110110100101100

0010

10001110101001101010010100111000110

001111001111101011011011010000111101011111010101

11101000001110111010101010

10010011010101111

10

010010100000010011101101110111111101100

1000101100111000

11001000010100000100110001111101110010001100111

0

01100001111

00000

010001001001

101100000001101000101001111011110011

10011011100111111101

0000010011011001110000010

10010101001

1

000100110000010111011010111

001101111010011001101

000101011010110011100010010011001001110110110

100011000010100

11010011101111111111110001010

10101

11000101101011000101110101010100

1010000011100101001101

101110101011111011000011011110100111

1110000110000110110011001100000001001011110111111

10010100111111110

1110101100011110

101100001111100

1110011101111

011001101111000011001010001110001001011110100

01011101111101010101

10

0

11100110111101

10100101000111100101011001100000010110100

100111100010010110110001111011

00001101011000011111

11011001111011000010110

1000111100010110101111000001000100101

0011100110000000100001011111100

101001111000

1101100111010001100101100100010111011110011101

0101101100011011010101101011100011100110

001

101110110

01000111111010000

0011000101010111100010010000111110000010

1011010101100101101101100001

000100000110001101101010101010011011100000

00110100000110000110011101000100011

110011001100010111110010011111001101001100100

010000

00

00001010

111101001111011111000000010110111000

101101110001010000001

011001011101101111110

0110100

1000000001111000000110000011101000001010010110100

01010110101011111110011111110000

110100111100000001010011001111000111101

001000001100000001101010

100000010010011

00

1010011100110

10000110011100000011110010101010011110

1100001111010010111

001101

10100100001000001001110111

00011101111100001100010101110100

0011000001001110011

10101000101011010111101100110001010011101

010001100100101110111010001101111000110110

0010111001000100010100010

111101100110110111

1001001001100100

111001000001101001111000000000100011001010101

0000101100011011001011001111

0111110011011101001110101101101100

10101

1100111001010000111101011100101100011100

100

10001000001000100101001010011101011000000111001

000101101100

1000

01100110001101000100

010001110100100111001111000110100010001010001

0

100010000011001100110101111110011

1100111000111001101011101

0011111101010001010

010000001010101010101101100100110

111101110100011011100100111111001101111011100

01010010101110101011110011100000000101010111

0001100011110111111

001110010011111110100101001110011111101011101010

0000101100000011111001101101010101010

01011111000111111011000111001010000101

01010001001010011001111110110001010

11111011100010

00011

111110110101011010000110101100111011000111

11011110100000100100

00001010001110010111110111010011100

10111101100100100111001110

1100000100001110100101001100110110001

1011100010001001000010011001110001101110111

0010001100010

1011111

110111010111

0

100010101110100001

110110010011001010010100101110110000000101

1011110011

110000110111010100011111100

0

00

0101100001110101001010010101001011001001001101010

01011010010011111100011001

111011110011100001001

001011000010011

101001111101011111110110011101010110001011000

0001000000000000010010001000100

0110101000100000000111001001100011100110011010

11001111000

00010111

11101010000011111100010011101010001001011

10000101101101100100010

100001

111001000001000000100110000101000100110

10011110001110100101100011111010100010000

11001010

0001010011110111001101111011001110010111011011111

10010110001011101010000000100110101

0111010000111010011110000010

11110011001000000

1010

1001101100011001000011101

10

00101101110011000010110011011010110101

01000100011011

1001000111111110

00

010101100100011011001

01

000111

11010101010011001100000100

111011101100

1010

01100001101100000111101101111000110001001101

00100010110000111000011000001010110010111111011

1101000111101000110101

0101010001011101011011001010010101

010000111101000011101101

1001011

010011011101101101101110011110000001

11110111101011101010111111001011110000110110101

00100010011011100110

000110111101100

111000101100

011

11110010010001100110001

0001010100110101110100110000010101011101111100

111011101111011000111000010111010100

110111110111111010110111001110000101001111

1000111101010010101001101111010000010

111101100010000100001011101010101101010011110

00100000000001001111101011000001110

1000

1101100011110

0010110100010110011101100010100

101010110011010

11111000101110011010011010010000001

10100000011000011111

1100100010110100011001100111011001011110100011101

101101001000000011111010101000010100011001011

01101111001000011001001

1100111001001101111000010110010100010101000111000

1110001000000111111010

01100011101010000010111110000011

1011110110010101101101011010000101001100001001011

11010001000101001110110110100101001101010

000

1101001001000000101100010111101

1000011000101010010100000011

100110110000110101

101110011000100100110

01100011001

10101000

0010001010010

1011011110011011000110000100101001

010110100111101

1101110110

11100

000110111011

110111111111011010001001100110

0

10011100000000100101000

0101111110001100110

11000101110

00000011011100101111101011111110100001101100

111101111101011011011000100101010010101

10010001000110111010101100011011000010000001

010101101100

110100110101101011100011101011001111

01101110010000100000000101011100101010111

01110111001010010100011100011101000

1100110100110101

00100010011011010100100111001100

01000010100010001011101010010001010011000001

1011000000100010001110001101000111101111

000101

001000101010111101010011011

111010111000111011011001111

00100111100110011100101011

11001011100011101001111100011001

1011011

1010011001111100111110001111011111110001111

101101101011100001100101001111100011101

00010000010100011111001

11011100100111001111

1001101

00111001100

010010001011010100011010101001100110001

01101000001100101010101111100111100011001011

010011001011011011100101000001

1011110110100011

001011101101100011000110000010001001

111001001011010100011

11100101110101

0100101010001110110110000001010010

011111

0010100

11100110010110111110111011000000

01011001100

00001110

0110110111010001101

010010010101011010101100101001001101110010101

10101111000101100101111101011000

010

00101110101111010100101

01101111001

11110111110001000000101010111011

1

011100101001100000101111

0111000101

011010111111101001111010

00100010001111000010011010100011110010

100111001111110111011110001110

01001111010000101101101000111000101

0101001000111001111111110

10110

0110001001001010101

111110010001011000010110101011000101001001010110

0100111111100010110111011101001100101100

010100101001011011110

0100110010110010001101

0101110011100100101

010101111111010100100

01011000001101010

1011100101101010010001100001011000000110

10000001011111011000101011000

11000111000110000101001

0

1001100010101101

00100110100010101001101100101111001100010111111

01110110000010001011100000

0111111111011110

10110011101100

0111101101110000

101000010010101101011010

10

101

0101100101011101001110010101001

00

1110111

00

10110110010000110110100111111001100101000

111100100001000101110011110101101010

0101

0100111000111100011111001001101110100011

011000101011111110010001110111111010101100001

0010011000001001111000000000101111010110000111

111100100100110101001110001101110010001000

1001101000

10111110

111000111010101111100101111001100111010

01000000110010111010011010

1011010110101

00111010111

1110000010011101111000111101000100001100011

001000100011111011011001111010111

1100011

0110101101100001100000111001010

0011001101

11101001110101100101000110001011010100

00111000010000

0100010110000111000111011110100100111100

10100111001

1100001111011000111111100

1111110101110011010011001101011

0010

0001001011010111110110111011010011100011011101010

100010001011100000

10000101001011000000101010110010100

0100001101110001111001101000001110

101010101110110110111

1101010000101101000111011

010101

1111111100010010011100

101101111110101000111100101

10111101111110101110100110000101110

1110000100010110111101100110111100

011000100000011111101110001000

1111110000000010010110

0110011

1111010100000

010101101100010000101100100

11

000000110010101000101010000010111

000011000000110101100110111011100010100111111

0111011101101000011110001110100111110101111

11101010010

111

00001001111001100110010101100101100

00111110100000001101001000111110

1001100001

1111011111111001010010011011111110001101101111

00001110110110111010111011101000100000010001

01101111111011011110101111000000100010011000100

00011111010

100001010101001111111001111011011101110110110

0110000101100101001100100001011

11

10

11001011111011100010111011110

000110101101011

1011010010010000101110101110010

11011

10011111111010111001100100010110

0100001101011110101111010001000001

00000101110100011001110101101011010001110011

101001000011001010101111

1101001000011110100101010101010010110111111101

111110011000000000010100001110101110010110101

110100

010100110010000000111110010010101110001110

0100010001

001111010010010001111010011000101111

1100010000

00010110110100001101111101111100011011001

10000101100111001001100000

000000100000111010101011101010100010101010111011

10

001010110111011100001101101001001011101001

01

110010011000100011010100

11

1010011110110110110100000000

110110011110000100101010100111100101101001111110

10101111

010011

0110

111111111100000100001001111001001001010100000

0010000010001110000110110110001011111111

0110011011000111100100010001111011101111110111011

100101110101000111000111010010

1110111

01100101001110110

01101100111010010111000011011

110100010101001111101110011101001

1000001100101000001111101110000

100011011

100101100110001100001000110111111001110010110

11110011000010110

01000010010000001110101101110100

0111011000010111111001100001100

01010110

01110110011100001111

00101011010011001010010111001101

0101110100

010100011000001000100101011001111111101111111

010011100001010101100010

010

010111000101000011010010011110101010

0011000100001111011110001111000001

0100000111011111110

1110100001100110110101010011100101

0100011101000010

010110101011101101011000100011110010011111000001

1101101000101010001110010101101100110010010011

01110011111101001

0111011000100000111110101101010

0111101100

000010100111000110001111110010000011101111000111

1101000110000010001100011110110100011101010

111

101011110000110110111000110000

101101

1101001110010111001100

1010000000101100111011101110001011

000110001111001110011111100101110111101000

01

0001001

0100010110

000011100110

0000011010000111111

11111100000000010001101111101111101101100010

01011110100101110100110001011110010100011011

011101110001100

11011000000111111110110100010111101

1100011000011111111111011101001

01101100111011011

0101001011011100100011110

100000111001110011010100010100010101001110010

010

0011010110111100100000100000100

001001010111010011

11100100111

11111001101101100010100101001

01000

111111001111010010111100010110000010010011001

000101100101111100100110000111000

010

101001101000100110000101110001100

00101101010000010100101

001111001000110000110011111001111110

100100

01110

100011110010

0101001111010011010010001100010111000000000

110011101111110111000100011110110000001000000

0111111111000

00

011011011010100010101100001001

0001

110001001101010110000001

0000101000100110111000111111

001

101000110111100101001011000111111

100011111101111011010000001100011100

0001101010110101010011101110100101001000001111100

1001111010011100001

010100000010000001010001000

1011001010100010010001011110011101101011

10010101001001011110111011111000000101100100

11100010110010001010011111111

1010011000111101110

000110101010000101010111000001000010001

001001010

01011001100111111

1010110100001101001010111100000010111111000001111

00000110101101100101111100010001000100010

11101100101

000101100100001000110000000001100100111101111

1001111110011000011110111010110011110011

0111111011110111101000010111110100101000001111100

011

01110100010011001010000110011

00010110100110010001101000111010110101000001011

1110000111111111100100

1100111010101010111001010101111

10101000001110100011111011000

01011111001

010000111000010

000001001001000

1110100

1000011101001

01010000110001110010011001100111000010010110

000100

001011111110010110001101010001110100

11110000001010

101010

01011011111111110001001110010010011110

10111111100010

0101100101000101011

11

0001001000101010100110

01001

010000110001101000000000

000001110000011111110001100001000110

110110000111010110110

01110010101111100100001101110

010

100100

10010101000011110010100111000

0011001001001001011110100

100001011000101001110

1101110010101001110000100100011000

011011000101

10100001101010

10011100

111110101011000110110000111111101011101111010100

1011010101110011

1111001110010101

00000010111011010101011011011110010100001010110

0111110111111111100101010001010011010101111110

0010001101001111111000111100011000011001

01010010011010000000101101010111011000000110001

111000000101001100110110101

01000100001100100100

10101011010110010111001111000011101100

0111000011011001010

11110010

0100100001110011010011000011101011010011111110010

110110111100111

010001100010111101001

10011100010110011001001

11000011000101111

000

101111001000101101

0111010000111010100101100011

0011000110101001101010

00111111001110111000111100

00101000101

1100001100001011010011

1001001101111001000100111110110

0000000111010111011001

0100000011100110010011101110111110100110111101100

000011000011

011111000110011100101101

11001000

10111000101101001111001101101100011101101

0101010100

111110111110100110001000100001111101101

010000100001111111010001101010

00001011001001111000011011100111011000110011

101111010110010111001011110000001100

01000010

001000110

10011010111001101100001010101100100000111011111

001001001001110111111100100011

0110110001100111111010011011001010110110011

1110011001001001001101010111100

101111101010100111111000

100000111110111101011101001

10100011101100100010

0001110101010100011

10001000111

110001111000011001100101010001111100101101111000

01001011011110101110101

10100001101011000011000011

1011111010100110

0100110

1010011111010000000110

00111010000001110

0111001111010000011111110001001

00110101011001110101100101011

11001101011111001011011000101000110111110011110

0100000101110100100100010000111010011110101010010

00111100001001110000110101000010

0011110

111000011100001101011001

1111111111100

11

11101011

0110110011011100111101011

11100010

00001011111110100111100

11000100011100110000010111010110011

0011100100011011100000010001001101100101010110

0111001111000000111010000111101101010011

00111000

00111100111110010100000101101110100000101010010

11001011000011010000010000001100111111

0101000110010011111011100011100101001110000011

000010111011010100001110000001111101100011110

01010111

00010111011011100001101

11101001000001110

100101110111101100111100

1

00

10011110100111101111

01100111101111000100000

00101001110110111001111010100110001100

01

0010100101111101

01101001010100011010001100

1011001

01010011100011100

11011011111101000

0100010010100101000011

00

000010010001001000101011110000111111001010

101

10011000010101010100011100010

0110111000110110010001100

101011100

01011100101011011100001000110110001000

0101110010101

0100001010001010011110111

01101

1110111100100101101110000101110000

1000000010000100000100001001001001101001100

11101

0100000111

0011001010010

010111101001011001110101001

1110

01001100111100001111000001010000100

01011101001110101010001111101111100111

011000110010100100101100101110001110101

00

101011100100110010

0001000000001101111110101011110110000101110010011

10110011111010001111

01

01101010010101000110011011110

0011111110111110

1000110001001011011010100010110001010

0101000101101100111100100100100011

10101

0000000001010111011011101

00000111111010010101100011101010010

0000001010110111000

01111110100100010110010

0101011101100

11000111000100000100111010001101110001

001001000010110

00101001

101010011001000001111000101

0110101100001

11100101011001101110111110100010111011001001

00101111110101101000011110001010010101111111110

001111111011000011100000

101110100101010111001100

01000001100010

100110100

0110111110010000001011

01100010001101010001100111001011110011011

11100000010011011010

001010011100001010011011000110100111001111111

001001101101110111011101000

110010011100100111010011001011100001110

10111011111011110101100111010100000

1001110110011100110001001110110100111000011

011111011011010101000101001101110

1011011000110110001

1000111000100

0111101011111

00010010000111111001111111011

111010100100101001001010110100101

0001001

110110011100101011

1011101011

101101111111100

11101000100100000001011

10000111000

000111000101010101101010000010100110010000

00010011000111000000001111111001001101010100

010011001101010001110100100001111

101000001010

0000010100011

01001110100000000110011001001101010010

0110

011

110111100010001101

101100001001001100000111100010

011100110000000000110111110011100110110

1111000

111100001011011100110101100010100101001

00100101000100011100111

0111100000110010110011100000000110

110

0100001101101000

0100101001101000101110111001

110

10001000101101001101101010011110110

10111011101101100000111

011001000000000100001000011100000011010101

010111010

1110111010001101011001011000011010011101

00010101010111

101110010010011000111101

0101010100101111010

0

011010010010000110000010011101001011010001

01111001100001111100111111001101100111011011

10010

100001

0010011100100100000001110111

1000101110000101001001001100

00001

101001010010100100110100110

01010110000111101000010011010011000100010000100

0111110111010101111100011010110111000010110100

110110011110

10011110001001111011

0

011111111001000010110111000000000101101011

101011111011001000111111101000110001

1010001111101111010111001110

0011100011001011000100001000101

1000110100010111111110010111000000001000111010110

0000111110001001110

0011

010110100011010000100111011001011101110001010010

0011000110110001011100001111111110011100

0101011001001011110111001101111011001000111001111

111001100001110001000001110001100010010111

110100111100101111111011010000111

0110010110101010001010001000100

01101110000011010100001101110111110

1110110011010110110001010

00001100011010011001110100010100111111000001111

1011011100101100100000010011010000011011010011101

00110000000111100001111

001011101100111001111101011011000010100000110

110101

0001001101001000001000001111

10

00000110111100001110111

11001000001100001010100011110101

111110110

10010000010101000101011010001100

11010

10101100011100111101011010001000111

0101111111100010110111

0101100111101100010000011

1011101001101010011010011000101000111

10111011111110011001001000011110000010

101111101100010

1100

000100101001000111001100101111110

00001011111110100000011100010111110101

1111001101000

01000000000001001101001001011001100110

111000110111010110011000110

101000111010100010

0000111001101101110111011100000010010010001

0001110101100111100101011100

1010

01

000010011011000100001010110010101011010010

111111101111010000

1010110101000100001111101

0000101110111110111001100010

10000011110001011111110010011000001001111110

010101101100001110001011100100000010011110111010

00010011110010

1111111111010100010001011010100111111100100000

001011100001110100

1100011001110010101110111

01000001100111101000011100000100011110

1011011000100100011110110100011101100010000

11110001111

0010101110100

10101010101110001110

1010101010000

000111010001100110010

0000000010

0000000110110110011110

1110110100010011101111001100

1000

1110010100110001100000000

100101011101011101101010

0101100111010111011011010101111

1000001110110100000011111010

0001110001111

01010011

1000001010

1000111101100100001010111100100110110010000011

1000110100010101

01110010101111000001110110011100

101100111001111000101110001000111011010010

00000110110111110110100

001001000101101010

01010000001010000

0100000010100100001001

001000110100011110111111101

00010001000111000001100011000100000101

11000010101010100011000110000011111

111

0101101011100110100110100100101111100111

011010101001011

11001101100111

01010001111100100100100010

000101110011000000010

00110

0100101001001001110110100101100111000101

111100111101111110

11000010000111011001011001000

01111011001

01100000000101010100

1101111000100001000001001101001110101011110011111

101111110100000110101010001110000001

011000111000010110

10101000

111111110101101001

000001101011101010001100000101111100011

111011001111000001001100001010100100110100

11101101101110111100111100000111100100

101100000111110110000000001100110101100101010

010001011011001011111001110010101101

10111110100101101010011

001011110111010100101011011111

1100011111010011001000010010010

01101010001001100110111011100000011100010

0111011110111001010001111000010011110100

0001000001000110101101011

011000100010011000

11

00

011010000111011100110111111111001011110011011

111011110111000011011010100000010

11

0000110

11001010110000010101010101101100001101111

1100

0001100110100110001111000001000110011001101011

001101

1100

1000010111010001100001111110011000000101110

10010100010010001010011001010001110111001

0111111001101110000101101011000111

001010

011010001001000011110101011110001001101100000

110111001011011000100001110011001010010111010

1111101011001010100

01110110

0100001000111001111010101111011111000101101

01110011111010011111000010010110010110001

11110110101000101110110

0011010010101001011100100101101000

01010100111100011

1000000001001100010

0101110101110111101011010111100010100011101

0111110010110000000100001010110100011010100

11111000101100001001000101000111

1000101100101011000001110010000

110110011011010100011101011

00

110001000010001010111100100101000111001

110001010110

1011001100010010001

0011111001000000111101011

01010101111010110100110101

1010

111101010100100001001111000000010110001

11001100001001101100010010101

00100100010110001001011000110100

00110001100000110

001001101001000011110100110000001000011101100

001010

010111001000110111010100000011110101111000110010

01

0011000101111000101110010000001001111011

001

10101001011100000010010001000010000111010

01000101001101111010001010110010

100110000110111111011011000111100101001

01011111011001001001010110110011011010

00

1001110101101001110101000010010001000100011000110

010100110111

110010111011

0100110

100101110000010010010010111000100101111

0101

1101011110010

100100000111

1000110100101011111111111100101011010

01101100001000100110111111

10

01111010011110101100110111010101000001001010

1101101111001100101000000100111001011101011010

1110111010000100000101000110100110

010000011011100000111001100000

1101101001000001111000110010010011110000000111

0000001

0010010011

010011111011100000000101011010101010011010101100

11001110011000111100110011010

01011011100010000100000011

0111010000001000000101101111000111

001000100000000111010111

11010000001111000101100111110

0000110010001010111110110110

010110111000001111010000011100100

1

000100010010100000010011000100111101010010

10110101010111

0011011101000011100010010000111111001010000101

000101111110011110110000111100000111111100101

01010101011100001110110000111

01011101

110101000011

100001101110011000101110001001101111010

001000110

000111101110011001011

00000110

11100101111001

101100101011111011

011111100101100111

000111111101010111100001011111101010000100

0000111110100000010111100101

01011010111101100011000

010111101011

1101101101011011111101000100101111001101

11110001001011111

100000101100

011000100110010111110010010111101111110

000001000101001000101000

0100000110010011101001000000010100100000011100

00101011100001110000001111001110

0011100100111101000010

011110101111001110001101001000101100111001100111

10101101110011001111111110010111110000011100000

1011001111011011011110001101000

00

001101111110

11001000101010110000000010110000001101111011

101111100011110

00011110

0100011

1001010101000101111111101001101011111110

0100011

11001

010101001110000111011011

101101011000010

100111011000100010100000101111101011111

00001110011111000

00010100001000000011011111

01110010110011110010001001010

10010001000011100001100000001011011011

000100110010111010100100

11110101010101111001100110101111000011001011

0110001010100

001011101100001010011010011110000101011100

111110111000001011011011000010111001101110100111

0111111101100010111111011111001000001111

1110010010110001101110110110010010000110000011000

000110110101110110111100

0110111000101001010100101010111111

1101111010010001010010001001

010001111111001100100010100011100010001

11

0000111010001001111010111111000010001

1011101111000000110011000100001011110001111011011

0000011011000011

0000000001001011110110001100100110110111010001001

0001000101110100

101000000

11101101101011101

11010101111100010100010000010111111001011

11011110110001001

0101111010010000100101101

1110100010111010

111110010011100100

110001110110101

011011110010100000100

00111101101010110101100001010010

01110000001001001010111100010010100100

01110000111101011001011111

0111001101100100010001110

10011011100011100010100110011110011001

111110011000011111

01100011010

0001010001011010010001101

00101100011110001011110

01

11011011010101000010100011101111

0010111111100100101000111

001001011010100001110000

1001111110111000110011110011000000101010

00000111110011110011111100111111000000000101

001110111111000101110101000011101

010011110110000000011101010101110

00000010100000011010000011111001001

1001000010

011010

11001001001011100001100000

11011

001000100000111100010000010011010000000010110011

01010001000110011110000001010

11111111111111010

011000110001001111110010100110111

111110101000010101000011111001110100100

0010

1111111110001011

0000011001001000100001011011111001010101001011

0010

011000110101000101001100000101

00000000100

010000110001101000000101100111111000

101000110100010000011101000000011011000000

11111011001010110100010100011111100

1011000101010111101011111111001101

000011001011101110000010100

101001

010111010101001010001011000101111011100000

011101011101000100101101011010001001110110111

11100100001111101101110111010010101100100010

011001011101011111101001110

111111000101111100

1000

01100000000000

1

10111011111010010110000010000100000001101011100

00100101101101111001110110011000111000010

11010000101100101110000110110011011010101110001

110100011010111001010111011001

1110000010100111111101100100111111

00001101111001101001110001110100010111001100101

00111000000000010100110100011111101110000

01010000

10111

110011100000001111110011010101001011

1001

1001101010110110011000000111100100100101011000101

100101011111011000110

101101011001001000011010000

0010100110000100000101101110111001

101000000110100100110110000

110100001001110111001010010001011100110

000000101010000000111100010110010101101011101

0011011101

110001

0010011110101001100010001101110111101101

1100110110010111111010100100111110110001000011000

100101000

01000

11001001100111101

10111110010001001

101100000001

1101011001000010001101110011010101010111100001

011100110

1100000001111010001110110100000

00100000101101100101011101000

000110000010100011001111011110111000110101101

1001001101011011

10111000111011100110110100001001010110101110

011

00000001001111010001111111111100100100010

1101100100001

0110110010011001110110

00001000100110110101000010100

01001001111000101110001000011110111000

01111001011010111001010011101

11000110101101000100110001001010000000011001011

00001110110100011101100110

0111110110011110000010100111001001011100101

1010011000111001010110111110

10101100001110000001100100001010000100001011

001100010101010100101011000101000101110

1000101001100001000110010010111111

00010

1001110100000010101000110

01100010001010010001011

100101

001010010011100011001001100000001110

010011001110101110110011101010101001000

1

0101010000001000110101100010100110001100000010

10010000011010

1111101110010001111100111100100100100011111111

0111011101010101011100111011011000

11010000001

0011011011011001011011011100100101000111010000

0110010

00

11011101110111101100000010

000

11111100000111110110101101111011111

011001011101100101110101100000010

010111101111110101110101110010110000

010110001011

1111001

1110100010000

100111010010011000110111111100100

111111001010100111101101101

011000110

1011011101

00000001001010011001111

10110111000100001001000101011111100101101

1000101111000

1010001000

1001010110110001001111100000000

101001000000

1010000101001100111100111011

00110111010001010111101101111110001

11

101101011111110010

1010011100011000001011100111001011111000010011

110111110011111010001011111101011

1001101

00110010110

01011011

0

0100101101100000101010

00000111101011110000001011110000010

1001011011111111111110001100101111000110101110

10110101101011100100001

1010011001110110100110

1010001000

01010010110

010111001000110100010110111100101011001100

1111000001100001110000011110111110000000011

00001011

101000000010010101000111111110110

001100010010

101110011011

1001101001111010101100110011000

11110

111

00101

010011110111111

110011111100011111111000100010100001000101

00101011011100111011100000

00011011000101011011100100110010001010100

01010100001

01101110111010111000010101111000

11101100101011001010010

100001011

000110001001001111110011100011001111001101101

00

1001011100011001000110010111011011111111010

11011010111110000100110001011010111111101

11100000010000101011001

001110100110111010001101010

000001

11111111001110010111110010000001100101111101010

0000010101101100111110101

0000110001101100011101110110110

0001111010010

01011100000100101110100001101101011010101

000010000100110111101001

011110100

1111010001001000011000101111110000110

0010011000010110

1100010100100001111001111011011

00000111

0100100

11101110111110110010000110100110000

110001

0100101110010010001011110010110110010011011110011

0101010010100011

0010100101111110010000100010001111110000

000100111100111010110110011111100001111

00010100000100

1001001111011010

10111

001010010110

111000111010101100

0010001100100101011011101010101100111

0

01001100100000110110011000

100010111

1111000001101011000101011101001001101000011000

010001000111

0111011000110110001100001011

0110100110100111000

11

1110

100101111101011110010010001010001

0111111110000111101101110100001

0110111000100001110001011010110111101

01010010001

1011110000000110000101101100010011110011

1111100000111110001100001010110011111

111111111000100100101101100101111

0111101100

010101101001011100101011011110010000001001000

0001100010011111111010100011110

1

1011100010000101010011000100000010111110100

001001000001100010000110111110001

101111101

0

111111111111011

10111011010100110000001010110010110100

000111110011100001100

101110001111011

11110011100100

11100010111101010001010

010001100001001100010100010100001001100011100

010

10100110101011100011111010100101011011110100

01111010011011101000110110011000001100001

00011111100000101011101

1110111011

11

1101111

010001110111

101100000100

0110010111010

101101010

1011110011111000000000101001001111001000010

00000111101010

000010100110001110111100011101111110

10110010101001000000100110101

1111001001001101

00100100001010110000000001110

1001110000100011011

101000110011100111110000011010001101011010000101

1100101100111011001001101

0101011111001010001011010111100011000011010101101

00110000

0110010000100100100101100111001110010101100111100

01101011011

000010011010100001001101100111011110011010001100

111011

010110100110010100000100111011101001

111011010100010001011010001000111100000111111

1111010000111100010110100110010

10000111110111010110000000011100

11110000100101001000101010110

00

011010111100001000

1010100011100100110001100011111001101011000101

100001000011010011011011011

10110110100101101

011010110001100001101101010100

0000011

100110011010010000

000100100100

0001000010111000110010011101111101111011010111

100010100011010101001111010111101111011011111101

0000

00000111101000111000011100101110000110001

011011101100101101010111110

0000000100110010100011010111001011110101011011

11111000001001101101100011100

0101011111010100000011000

011000110100100000011011001011

10100010

001001101111011110011101011001000110001

11100100100001001001

000000110101010000111001110111000100001111100

10000000

101110001111011000110100000001011000010011

00

1100100

1

110100001

01000111100000111110010110101011011100111100001

11101

010010000

11000111100011011001001110101111

10101

1101001101111111101110

01

10100111

0101101011100111010100011010111000101010

110010110

10101100011101110100111

1111100110000011111101011101011101000011011

11101111011100000111

00101111000010000011001110111001000

001111000011101110110011110101110001

0111010010101010101101011100

11000110100111101001011001001000100100011000

1010101001100101101101010100100001111100111100110

001001001001101000100011

100000011011100010000010

11111101101000010011100001

110

001110

110111100110110001

100110011011101010100111000110111110110111110110

11

0011000001001001110111100101000011111011

10011110100000101101001010000000000000101111101

101111100111000100

11101100100111110011100

1010110010010

10110011010

101111101001001011010110011100110110001

0100101100000010

1

011000101010011000011010011011101110

11

11010001011000100111001001101100110011

1000101100110100100101

0

1111111001001100111010011000010100110001010

10

010000110110101011011

111011011100000010100000000110110110

0010101101100011000110100011100110110000011

1100110000

1110110

111110101

1100001010111000110

1101011001000111011100001011001100000111000100111

110010011100010011

110111000000110100111111110010101100010100

00101010101

1011010101

11011100100100111101101000010

000000001000000011011111100001100111000010100

000

1010110010100110111100110111010001101110

0000111001110100011

010001101000011010110100001100011100010010100

111001010010001011000011000

0001000101101010000111011101101110100010001110111

01

00111111010010110

100000100111011000011000010000000001000000

10111101100110011001011001

001101111000110111100111000001

1010110000011000110101

0100111011101101111101110001100011010000100

00000001000110001001111011001100110011011

101111110001000000

00001100

00001011111101

011000111001100001101101000101000

010000011000100

011010110111

010000110

01

011000010110111

100101100111000010010000

010110010101000110100000111000001001100110110111

110011

10001

101101011101000110010011100101

11000001011111000111011110010100011110010011100

11001101000101111111111111010

0111110011110000011111100101

100010011000001111100111001001011101110010

1101001010011001101111010011110001110001100100

00110110101110110010111101011

0000011101011111100010100111

0101010000110011111100001

1000110

01010011000101000010000101110000011011

01010001010101111001110001

11111101010000001110111101

1111

000010110100011

0100101111100011101110101100

010001110101000101010000100010100010

01001100100111

01011000

101

001101111111100001101000101101000111100101011

00011001100

01011100101000000110011000001100100011000010010

0110101111011

11111110110111010100000

1101011110100011101010000010000001001001011

00111001001111101111

00111111001000010000

00111001111000000010010111110111010100111010111

00100000100010010010111101111000010010110000

101

1110000100010000

1111111101001000111101000001111111100010001

1110

00

00011011111110011

00001101011110000111011111000100101001011010

0010101111100010

010111101

10

0011000

101100010111011001011110101111011

1110101

110111001001100100100010101

111001100001100101010111000101110011111001110100

11010010

10101010110001

1100010010110110001010011110010001000011

11111000110101011011000100010110111110

111100111101010101101011

00111101001001000

010011100110111011000

10001

10100010110001101111101011

1000101001111101101111100001011101010

101110001

101111110111

10000110111011110001101000010001

0111000011011111110110001000

1001101010110101011100001100111001101010001010110

00000

011101100000111101000000101001100

10010110010010000001

1110011101001010110110000

0101100100011000100

01110001110011001111010100011110111

110000001011010000110001

00011

00

00000000101000011100

101110

01111111000011001100100100110001101010111110100

1010111

1100000101

101100010100110011101001100111111

000100001001100011010100111100000110000001001110

1

00100011001110011100

1111111010001

11000000101001010

11111000010110

110101000001

1011

010010001110110000

11001000

1100010101100110111110000110100111001111111

101100011111010010100000011

0101100001101

1011011011000111000

1001010111100001101

01110101011001

11111010110111001110101

100101010000010

0

1111011001

0110100010011010

100001111011101011011100010001010010111110

0000011101101100010010101101010

00

11110111100001

1001011011011000000011001110001010000011010011011

000010111000110000000001000100101001110101110

101100000000110011101100

01110000010001000111110001100010001111000010101

1111010

10111010111011100010110110011010100100

011110000110000

1011101010111010000000001101110101101010011010111

01111000010111011010001100000101001

10101101100010110100111011100110011110101101110

100010110111

10

00110110011010111000

101101010000010111101011

1100000001

1111100101110001010000000

111

101101111110001111111011011010

100101111000110110001011011011100000111001

11011010010111100110111111001100101

00010011000001100001101011010101101011

11001111011101010010011101100000111100100101

1100110000000100001111001000010001001

10110011100111011010010011101111100010011000000

000111010010110100000000011001001001100010111011

0100111001101000101001001010111111011101

1000011111001011100011100010001111

0110010111110000111

1111

100111100101010111100101001000000110111011

11000101000000101100011000110000000101101100111

0000000010001011000001100000000000000010

11011011001101110011000010001110100100011101011

001110000101100010

10011001001001

1001101000011000110000010001111000100110001111101

1000011111011100111111010010110000

10110110111110010011101110101000011000001111111

11011110101101

1111111100010010001001000000110000001101

010101110110101100000101

11010001011100111110011110101001110111

000000101001010000000000100010

011010000110000

10

1100

0100

0000001010001101000000000100101100010

01100011110

101011101100110101010

11100000100001101101

10100100111101001111

1011110000110100100001

000110010000110

1100011111101000010010111101100011

101110010011001001001

0010110111111101001011101110010011010100010001

001

100001

111101010100110100110010100001110100101001

0000001001010

111111

01110101110111110010101011111000111111001001011

0110000011010010101000010111001100

1110011

00011001000101100110011000101101000110001111

001011010000110010

0111110110011101011011001101110001111

101111101101010011001010010011000110

1101101010011011100110101110100111010000

01011011010000100101011010111001

111010010011111110001001000101101111

0111011110011101011

1010110110

0010100100

1110001011100011110000000111000011011100111

01

0100110011010000

101111110001110101110011000011011111111001111000

001100011101101000100001111010001

0111101100011010001111000001110

000011111000010

1011100101

1001100100000011101

00101100

00110110110101101000100100000101

11

11111110000111000101101111011011111011001000

011100001011101011111101010011111100001000001111

1100110001011110101001111100001110100110

01

1101

010100011011010101111000010101011100001

11000111001000011111110001010101011100

1100110

100110010000001101111110

000010011

00000111101001100000110100000100010100000101

100101110000101110100

11000110000

000111111110010010110110111010101

1010010010010011

0011

0011111011110011110100100000100000000111110010110

0000110001100011011011001001011010011110

01001011

1010000011001000100100000

10

1010111101111111010000001011011

1101110000011000101

1110110000110011111010011010111

01101110010110111100000011100111111110010

100111100010010100011101000110011111

11110001000

0

1001101011011010100101010

0011011110001000110101001110001000

11010011000010100010011110000

100100000001110100000100

000101010

000111111110101111110000010010111010011001001

001000100

011101001101000101011

0010011000110101

1000110000110

0000111010000000000111101100

101111011011100100010010101101010

00

101011011100000110001100000100101110

111000011101110010101011101110001110

1110000001000100001011100100011101011010111

00110000000101001001101100001001110010111111

000000101011010001111011010011101111100100

0001011010100001001000110010011001001110000

010110100111

000111110010010011001

1011110010101010000101111010100000010101011110

0101011100010011101000101110011

01101011010001000110011010001

111111011100100010011110000000100100100001101101

10000100010110100110011100000111110001111001

00111001001001011

0100001000010010101101011

011010011101001110000

01

100001010000001100101101

001111110111000001110011000101001101000101110

11101011010011100011100000001

1111011011100000000

1011001100101010100001

10101101110010000110000000000001111010000

00000101001001111001100101010111011

1101000111101001111101011101001001001

0111001001100

0100110011011100111101011101100011

000000111011101011000100010

10110110

10

0100111010110010111

01110001101001000001111110

0000100101000101110001100111000011100110001110

1110100100100

001010010010

1000100

000101110100

001100101111101010100101000010110110100101011101

001001000101011010101111111111001011101010111

1110101001100001110000111110100110011001110001100

1011100111011110011

1010101

011100011111011111010010000101000010

0010000110111001000010100010111001010110100

111010000

0111111011111011100111100101010010111100001111101

01001000101111100000111111110100010100

0110010111010100011110001011

0000110010000

1101110000010101111001100100101

011010000111110011101110110011000010110110100

000100110001000000101101000110100100011110100110

101001111011101001110

0011101011010010111011010110000110110000

100000101011100011101010100000

011

00001101011000010001011

10001111001001011

111001010010011010111

00

001000

00110010000011001111

1101111

000100101011001011100011000000111

010100110001100010101101001010001011111111

00001001000010101010

1001001000

01001000101110100

01101010101000100011010100110101110011100011

10101111111100110111101101011

01000100001000010101001000110001000110111100

00000010000101100001111011000001010101

1010110000101101100110

1100010011

110001101010

0111

01010000000111101111101010010101110110011

1011110000001101110000001000110100000100111100

00000011100110011001101111

00110100

0100111000000

100010011111100100101100011101111100011100

1101010111100000

001011111101

01

100111

11010010101100110000

111101001100000001

010110110101111001100011101110010

01000101

1011000

1001101101001011111010111

0101101000001000011010101101000101101000110000000

011000110010100111111110100000000

1100001000111100010101110000001101110

00101110110011111110110101111010

1100111011010100100111110001100101

1010

011011101100101011000

11010100001000100100

000101100100000000110101010001000111111011010010

001001010111

001111110011000

001100001110010110111110001001100

0

00010000010101000101001110100101010111001110110

11

1101010000000001

10000010000

0010100101

1001001101001001100011010110100001100010111001010

1000101110001110100011010110000011

11010011011100010110001010

0100000111001001001110100111

101101111011011101010111000111

11001100001001100

0000000011010101110010011001011001111110001

000000100111001110111

00001000110001100011011

0011010001111110000010110100000101001110110100110

00010100110010101

11011100000100000001010111011100101101110100

1

1101000100010111

0000100011100101011010100011110010110101011100

0111110011010001111011011000

10010110110000101011010101

0

0101100000101110100110011110100100010110

1000100000111100111100

10010110101110011100010100000111100

0110011110000101001100111100101100

1100010000010101101

1011100110111010110010000110011011101

10111111010001001100111000011110111001

1110111100011100111111001110110101110001

1101111101111011100111110011000010010100

11

1110000100110111

01110010001001111010101110110010110100100010

00101111100101110001011

100011011001111101100101111010001101011010001110

01001000010011110111100100100101100010011100101

01001110010110101111100

100100010

001101101101011000110

1100011

011110000010001000011010111001001000001001111

001100111100001000000011110000000001100001111110

11110111100010111100110110001011010110011

11110101000100110011111100

011010011111101000101111011111100010011111111110

11010111

1110111001100100000

01011100000001010

0010110010011110

01011110100110010011110111001000010001000101010

01110000100

111111111110100100

10010110001001100111110111001110100010000

10

1111001101001111000011100011101111000111101111

0101011111100001001010000110100010

011111111110110000011110100000001010011100

0100001001000111110100

001001011000110000100011110011000

0101100110111000000010001001011000000111100110001

001100110011010101010011101100011000111110011011

00101001001100010000001101011010110000

0110110110001010100011

1011000011111011010101110

0111110001011

10111000000011110101

01010010110010

01100000

11011010111001000110010110010000

111110111001000

101110100110011010010101001110101000101

0011011110010001000101100001001111011110

0011110100001011000111011000000110011000

1001100100100101000

010000100101010111100101110001110111001

1111000000001

00110110111001111100111010111000000011111

100011011010011010110001110111

11101000

111100010110110000110011

1000101111111101010111

00100100010001011111000000100110010100

11100

0

0010011100110110100011

010101011100111

1101011010110101110110101101

011010010101011001000010101111010111

100000011101011111110010010000000

10000001010001110

01111101

11111011111001100100

001001010001110100110000010111111011001110

0011111011011101111101101110000

000001111001001000100110010100011001111

00011011000111011

111010100000000100011101111

11101111101011101110101111

0100001101000001100011111110

011001010001100111100110100010010

10

10011001100111100110110

0110110000110010001011011001011100000100010101

0011

111010100001110111010000110000100100101001111110

000111001101110111100100000000010000011011010

101000011110010

00001011011110111011010100010111000001

01011010

010000110111000110101100111111011001101000

1011111111101110

0000101101000001111111000001010101010111

01110110011110010101100101000011000110011110

111010101100110

1101100001011010011101111100010110

00111

000100011010110

00001100000111011101

0010011000001

010011011100100

00110100001011

0010101001100010110011010101

0000100011001100000001110100111010110001000101

101100110101011011101111110110010010111110101101

010110110111100101011100

0101100100011110

101101001101111

0110000110001011110101000000010101111010001

00

0100011001000010

100000110100100010010000000

1111011011011100111110011000011010111

001010011011110011101101111100000011011010110

110101110111000

0110110100

00

011111010001101001011001

1000110010100010010101010000101

1001010

010011110110000110100011101111

1

1001101110100110110100

10000011

11000101000000101000100111

01111001011101001011011110

0111011

1000110000101

101001000101100110

10001001

10100010101001101101110001001010000000

010000111110100011110110001010100101

1010010011011010000101100101010001

1111011111101011000101

1001

1010101011010010101010110101101110

0011

000000100111011100000100010001111110001

1110000001

0001110110010000100110110110

01011001001101000000011011011000100010100000011

111011111111001100101110100011111011111

01101101101110101111

000

1000000010010010100100011111110101101110000001111

10

01101011000

000110001100100100100110011

100111100110111110011100110110010010101111110100

1010

10111001

1000011000001010011011001011010111011100010101

110

0001

11100110010101001010111101010001111001001100001

000011101011000111011111101000110111000

01100011010100

1000011000111010000111111010101101010110011110

01011000000100001001100110101100

10010010011110000110110101001111001110101

1110

01100100100010010111111110010010111110

111111000001111011111101110110

0101111101111011101001011010111011011110001100001

1010000100001001010101110

110000111110110100011101100111111011011001

1100101111000111

01001010011110111000

001011000101111000111001001110000111010100010010

0010000011000011100110

0001010001100011101010000100100

0100000001111100001100010110001001101100001011101

000010100101110

011101011000010110010000101111011

1000101000001100011101010010

1010111001111100

11110011010011011111100

0010

010010010001111000101001011100011

10010000010100101001011000001111

00111111110111

10111100

101011000010001111101100001100110

11000

0010101001011101001100110110010000110101001001100

0101111001001100001010111100001011000010100111111

0001001010010101000011010001011010101

1110111101110100

1

110

10111

1101110110101101000101111011010110

00001111010

111011101000110001000100001001101110111110110

01110011100010111

000100100111101000001111

000001001001001101

01011001100010000010001000010110011011110

1010110010

1100111010100001111001110

0011110010101110000000001110000000111

10001111110011000

11100001010111101110010001100

1101100000

0110011101001011

11100011101111110111111111010000001010

1101110110110000010110000001

0100111000111110011011001000011111110111001101

1101010010110001101100

11100011001111000001110100101101011011000001010

11001000110011010100001101101000100010100

011010101

101000000011101

1111100010101101100110000110011

01111101

101100000110100010011011

10011000101001101010011011

100000110

000100101110000010011

0

101

11000010000001001010001010

1111101001111100000010

10101111000

0100101000011001110011000011000100010000110011

1111000110100110101010100000011010

1011100001001110001111111101010001

11011011110011111101010111010100000100110

11111110111011

011000000111001110000101011001010100

1011001

0100001100011100000010010111100100110010101

0011

00100011100101101001001110011

011101101011100111000111101001100101000110

0011

1101000011110111001100

100

010000111001

100101111001000100

00010000001111100101100110100101000111100001

0100000001011

001110001101

11110011101101011001111

1111110010100111100101010001001100101010010111

00100

10111110

0110

010010000

10100110110010011111010110101011001001101

000100111010110110

111001001000001010111000111110001111010010001

1110000111111001

000110100001

0001001000101000110011101100011000011101

00010010000001101111110011011110

0101001001011

1101110111001

00

0010111101101100110000100111

1110

100100110111001111110011000110

110000110101001101101111111100110011111100000

0100110100101110011001110010011001101

111110011001011001001100110110010101110

1011101011

001100010001011001110000101010101010111110

10010101100100011110111100101000111100

1100

01100100000100011001110

00101111101000101110

11000100010101000

10100000001010000000100011001111100001010

1111010010001111100111010100111000011001101

1011011111001101101001001100

011001111101011101111111011

010010011110001100

1000111000

01111

001111111000010101000110111010001011

100000100000001000111010111110100110011100101100

0001001001

1110100001111000100110

011011000000110101110010010010011011

101110110100101001001101100101100011001101110001

1101111010011001011110101011110001111110

11001101010001001100001101011111100111110

0011001101010111

0010

10101111110011101011001111

1011100111101000001100011010010000101101111

10101001001101

0011110101

0100100100010111111

1101011101001111111011010100

11101010100010001111000110110001011110110

0110010100011001010010110101110

11011110000100101

1000001010111010001001101000110000

010110111100

10101111011001111110000110110101

0010101010000100100101000

10110010

0110110000110101100

11111101100000101011000100101000101001

010100111001101000101110110000001011001101

1001110101111100001000001001

100110101010111111001111001110010110

100111000010

1110100000

10001011001001110011001101101110111111000100001

111011011001100111000011

1101101111000

010011000111110011010010001101100101011000

1010111100001010100001101100011

0001100101000011100110010100111110100101101011

00

010110000111100

01011111110111010111111010

1100010110110111001100000111

000000101110100001001110101001110110001

1001110110111000100011111011010010

01

011000100111000110000000001011000111011111010

001011111100000010010000010010011011000000

0011001011001001

1111111000000000001001001011101011101111010000

10110

00001110101000101101101011001100000110101

00101011001011011101011

01001000001101001101011000101

1101101110000000101000000001100110101

01

110110111100111001000100011

10010011101010111010010100111011011

100010100000010011111

00110110001

111001010

00011100100100110000010101111110110001000

011101110101001110001111110000001101110111

11110111110001010101000011011

11100101101110010101000001111011110001101100

00010010110101110111000

0011001101111011111111101100011000

0

01001100101100001

1101100011010001000011101111001000100000

1001100101000100101111000100011100110

100000111111110110110101000111011001000

001

00010010000000111110000011100101111

011110110000111110000100110111100111111

111100010010001101111101110110110110

10010100011100111000011

00101101010100011010011011110010000

0111011100001000010001

1010100

10110011101

10100111011001011010110

1011101010110110011001111101101100100011111

00010011011

100100010110011000011101001011000110100001110001

0001100111010110101111110111011100011001111

101011011100011010010011100001110

00

0100010010011010011000001

1000101101000010010001010101010100

00100011111011010000110011

0110111010101100011111010100000

00101111000101100

1011010011110010100001100

11111001101

11111011011011101000011101100101100

01100010000001111100011100101

1101111100110

00000010111

1011011110110000010011001101000111

00011100100001011101000001110011010000

101110100101

011101101110

0101001000001001000110000001010000010111100010

10100001010110101

0

001010011010000110110111000110010101010000111000

1111001001001110010010101000100

1100100101100

111001001111000111011001000010

00100011101

00001000000010000100011011

0011001000001000100011001110

10

0010010101001110011101011100010

11000110011110010111111

0010110110001111110110100110111111

111011101011010000111100101011011

01

000111001

01101111110

110

1100000011001001101011111

100101

11101010010110111100111

0100011101011010001111010100100101111111111100

00000000000100000010101000

100

111111011101

0101100

11010000010101110111100011

1101101010110

100000

01011001011111

101000000000011000

1100

001

00011100100101001011010010011

1101101000000010110011001100110001100111

01001101100000000110

0

10111111111101001111001000000001101

1101110000110010

0000110000001100110

10001001000

011001000010111000

1101001001110100000100011001001100001

1110001010110000

1111011011000010010110100011010000001110101

00001

1100001000100101010110011111100000010000000010111

01101101111100110

10001101010

001000111111010

000100001101111

10010010011010011100110

1011101101000101000100100

111110110000100000011010011110101

00011101000110100001010000111110010

111011110100010110101011000010001001

1011101

01110000100111001111100100110101010000111111

11110

1101101101011110111111010010111

011001100011110100010101

10100110001111111001111000101111

0011010000000011

101101000100111010

001101100011010000010110101100110110110

1011001001010001111011101101111100010101110000001

1

11111000101100001110001000100011011001

00010110010111110110110100001100111100001100001

1111111100000001110011001001011111010111100

0000110000011

10011101110101100100010011110101011011011110010

10

110000101010100110101011111110000011000001110110

11011011101011001011001100101100010011

11000111

01100010101010100111001001000110001000101111

10101011

01111011010010111011100010

01011100010101111010001100000001

010110

1110110000001000110

1100111101111011101100010101001101011010001100111

100010

00001111

1101001010110010001001

100111010010000010000110000110100100010000111001

01111

10001101101010011101000110110000000101

1100001000110111110001010011001000111100000

101111110010010110100001010100

011110111100011001001010000111100101011001111

000100011000111101011110110000

111111101010010101011001

01110000000010011000010110001000011

11110000111001110001000111110

111100001010000000110010000010000101110

0100000101111100001110101100100011000101011101

01010101100010

010110110110010001100011100

011000111010000

011100110111110011110000001

011100011111001000101

10010110011110

010100111010100110111111011110101001110100101111

11100000100001010011101001011100110000111001110

000010110001000000011100011011101

1011100001

10110111110001111

00010011101010100111110010001001111

00010000001101000011011001101011110

010000110

010010100100001110101010111000111011100000

0011100000

10010010010000

10011000110011100010001010000

1101100110000010101101011100110010010

11011111001111011111011000111001

0001001011100011101111001011111110101111

000010011100110110110100011110110011110

101110110000000011000

01100011011100101101000111011010110100

00001111110110111010101100000

100

110010110

000001100101111110100000010010110010011

11000011010011100010000010010

1010111101001110001001101110001110011

100101001001011

10

1000010

0110001101

1000101110010000

010101011111110110

101000010010

10001000010110

10011010010

0

01100010111100110010110011011100011001000110

110101010011111110110000000011111111100

01101011110100111011011000011000100111001

001010000001110000010011100

0000011111001000011101010110100111110001

1101100001010011011100010001

101101100

0110000010010100100011001111000111110

1110110101101111001110100

0

110011

0011011111111110101101000110011

0111110

10100010001101000111110100111

10001111000001111111110011010010011110010

1000001111111010010110111

00101001101011

00110010011

1111111110001101110001010010100111111001000110

11111101

10000000011111100111101

001011001011010101011011110111001111000

10101101100111101101111

1000001

0110

11100011101

11110100101100

11011101111011110101010010001010

10011000001010100

01110000000100101010111010101100

0000101010101100

001001010101010000001110111

01101101001100110011001101

1110101100100110011010001010000000000010011

10100010111100000001110010001011

1001110110001111101000000100000001010

010010111100110101111101110110011

10000000011110101011111110110010011

1110011010010110010

1110101010000001111010111100011

100000001011001110111110

10

001010000

0100001

000111

01

1011110011000001

101

00011100111110001110010100001001110101011

10100110110110011111111101111

10011010001001

11011010110010001000

01001011111000001000

1011110

1010111101000111111111001011110110100111111

101110011111

011

101100111110001001111101001101101101000111

10100110

0101

011111011100000111100001111100111101

0100010101001111001110001

110111101

0100111111101010101001110000010100000000001000

010010111100100001010010110000001000001010011111

011111100010100010111111000010101110001

011000001110010

0100010110000101110100011001001010101001000101

101110011000011111101011011111

11110010011111011101100010010010011011

011111000101101101001011010110

001110110001011000110011

1

010

101011010100101

101011100001100011000011101110

1001100010011000101011110001110101100111

100111001111010011101010001101

10111001000101101100001011011101010010101111000

110110100011

0011001000101101011110011110000100000

0101100100100111110011000001101010010

0001101100111001101000010000001100111010001

110111010001001111110011110010010110000101000

01100000100101110

0010101011000010001011011011110101001

10001100

11000

100100001010000111111010010010

1000011100100010111001110110

00000100001110011001111111001001

00

0101100

111

10010111

00

110101

00011101111111001101000010011000

111010010000000111101100100111100100011

010100111010000111000111110011000

1011110100110

10000110000111111010001100111000

0010101000110100100110000011

111110100101101001011011011100001110

1001100010011

00011110111101100001001001001101100010

011011011100110111011000010110

00000100111110110101

010100101110100111101111010010000010100110001

1101100001

1110110101000101010101111000101100111001001011

0001111111100110111111001

01000100100011110000000000

011110010101001010000011011101011110001010001100

111111100000010100110

01000001111111001111001100011100111010001110001

010111011010110000011110101010011100100

00100101001011001111

100100001100101110100101000001110100000011110110

11110100100001110110

00001010101100111111101011001111011011011111001

01111101110111101010

1101010100111000001100000101101100101100100

000101000000101011101

0001111111110010000001101110101111101010110101000

011111000010111011000000000111001011001010110

010011101001010110001000010010101110001101110101

100100

11011110001011110000010011

011100110100000000000110101010100110

110101111001100110010101111111000011011000

001010110101001001100101101111011111011

111100100111011111001111101010

100010001110001010101000011

0101100111011111001100001111011100011

111110000010

0000001000100110000100111000100000110101

0010000

11001000011100110101110001100001

010000001100011111111101101

0001100101010001111010000100000001111

0110010011010000011101001010000010110001011000110

0101101001011111010110111011001100101111111

10111111010010100010001001100

11011111101010100101

00100011010101010110

0100001100001111110111011101011000010111

101000011000101

101010001000000011010101110001100001001001

1101101000110000010110010110111111011000101110

110101101001001001001010101010

001001011110101010000111011011110000

100100111110001101101011011001011100101

01111110

0001

0

11001100110111001101000011011

101000111000001001100001010001010110111000

00

00001101001100011000100000110

01010100101110100101110100111

00000010111111101001111001101000100

11001

11101111001100010010010100011

111001111000000001100010000101011011111001

0101011000011000101110110111001100110001

00010110100000111

001110100010001000101110000

11011101010001111100001100100

01101000010111010

10000

1101

1000100110110101000110000101111111

010001101111101100111001011

11101010101011010101001100111000100111101100

1100010000001000110000100011101

10000001101101

00000000000

00111101110001110

001010010001110010101100001110010101

10110000100101101000011100111101111110

01011110101110001111111001111101101010001001

1111000001111101010001110000111000010010100010111

0111010001110010010

01111100010

100011101010110001101

101100011111011

1100011010010000001000100000010000110

011

010010110001000100100100011001011

0100010101000101011000001100010010001

1111000110010010000011010

1000001010010000011111111010

00000100100010101011001000111111

011110010011101

11111010110001010001100000000100

00111000100010110110000101100

0000110110100111001100100001110011000

00001010

101001110010010110

010010001000000

00100111011001011101000111001001101010000011100

1010100011111101010101010111001

100

001111010110110010010111100010010001

10000010000000010000011100

010101011000001101111101011100100101

0111000100011101000111001011011100111010000010

0101000001101100010110101001

1101100111111100111001101001110101010111001100100

110

110010100100100000000110010010001100001011100101

01110001101101011111111010010000010111110

0110101101

10101

1000101111011001000010101100101

01111111101111001100111

0000100110

0101101010010001000

0000110011010010000100101011110011

0001010110011101100011010101100000010110

1111010101100000101000011

001010000001111001111000010001

110001000101101110110111011100001010

0010011110000011001100010101000110

00110001100001011001010101111100

11011100100010010011110000001100

10010011110110000101100110

01101110010101010000000001010101000011000011

010000001100111111101001010100011110101011111100

0100001011110010100111001101110110111001000

01010001

1010001010111111100010110101001111

101111000010100000001000000100

001

1101000010

01100010100100010101101011

10011111001000010001001000101001

01110101011110010

001110110000100101011001

0001110101101000011011010010100111111100000

01011011011010000000

101111100000000010011000100001101001010001001

0010010111111011001010000000101

01

1010100000010000101110001110010

1

110011101111000010110000100001000000010000110

001011001101101100110111001001010111110

1101011110010100010100

001

01000100000110010011000001001

001110110001001011111110

1000

00

1011011000101011001010

01100101

0100110

10010010011001110011

000000101

1011001111110001011111

1101100010

10001110011010100010001011010001111

0101101001101100011101110100110100

1001010000000010011010011010110010110001111111

1

11001001010101001

010101010111100010101001

0101010011100011101100100111100001101010011001110

10000111001100111010111

101111001011111100111001000000100110

00100011011001

1111010000010100010010110101111011000001010111

111100001010

0101011101111000011111011101

1011

1000100101100010011011100100100100

11011

1000001001011010100101001

11100011000000010010111100110001111010000100100

11100011011110100

01100100011001011

11111101110100011101

1000100011001111

0100110

100000100010

101110101101

010111101110110011011110010000000000000

001011111110010101101110101101100001

010011011001011101111010100000110

111101

11110000101110111

10

00000100000101111111010100101010011

111000100111010111100001000110111101101000100

01110

01100011

1100001110101110011110000110000011000001101010

0110100110

1110110010101110

11110

1010011000000011101110111

100001011011110

0011110110100000010100110101101100011100010100

1100000101

1110010110100111000011000

00000011011000010100010101

1

011010111110000110001111

0001111100000101111

1111001000100010001010001000010001001101100111

1011001100110

111111111011101000000

0

101101000000100001101011100001000110010100010000

101001110011011001

00111100110100110001011

10100010000110

01101101011010101

101011101000110111110111000000100100101110

00111110110101

11101011

11110001100101111100101010

0010011001011011000101000010111

01000011011101011010111

0010111110001001001000111001110010001100010

00000001

0

0111110100000000100011001110110001

0100110001010111111000011101101111100011011

1100101101111010111110010110101

0000001110111011101

1011011111111111111011000110101010

0100101110001000001101010100010101100

11010011011111001110110111101000000

11110100100110

1010

000011100110100001010101110000011101

11110111110111101100111110

1010010111010100010110001110011101000001110001

0001101100111001011110001111101110

0100110110001001011101100100010

111001100110110011101011

011101001

001010101010

0100010000100110111010100101011001001101111

10101101111100111101100101010

0000

101000011000010110001

0011101110011110010000011110100011000100111111

110010001101101101001001010000010101101100

010111101111011100110110011011001001011010

111110100111000101

110010101101011000111001111000011000

01

1001001001011110000101000001010101000101

111000100010101010100110110010101000010

0101101011111101100010010001000000010011101110100

10001110001101111010111110110

11100000100011011100110000101001111000

011111110111011011010100111111

0010111010110000100

011001011001000110000000

00111110110010011000111110100110101011000011101

00111110100010010

0000110010000

0110011001001110101001010011000111011011001101100

1001001001110011110101100010110001

00000000

001110101001010100111010

10100111

100010101010

11010111110001101011001010100

101010000010011110

100001011000

000111100111100100110011001111111011

1000010000000011010110000000

1100010100111000010010011110000011000011000100

0010011001000011110011010111000111011010

00101111

10001000001010101010101100

110010000100010110101110000110

01001100111

1101001

11101100001110110100100111000010

111110010100111100

00000100110000100111

010010011100001110100101000011111011101101001

000

10011111110111101000000111010110000

111001001100010

1100110

00110111010

0100001100010110100100111001001010100101000111

001100101100010001001010111000000101111111001110

01010000111

110111100000

1111011010010101001101001001001111011110111

100111001001010101010110010001111101100101111

00111100110001011101110

0001100110

11

01000001101100000

100101100110111101111111111110101100001011000

100000111111101001000111

01001000111010111111

010011010001001000000101001011001111111100001111

100111110001011111010

101001011110101001010100000001100000001

11000

0110000111111101011001100001110

0010

110

11110011111110010101001111110110110011100

0110001100110

1110011000111111000011010101011000010001111

00010110100011100101

1011011110111110110001

0011110001000001111001110101000101101100

11110110001100001010111010100

010000100110011

010110001011011100110110100010001011100

0000111

010010110100011011101110101110110000

0

1100100100010110

10110011011000011011111001011000011

111111011100110101010111110100111001001

010011000011000001100100010110001010010

1001100101

10011000

1010111100001010001101001110001100110011101111101

10110101101011000101001111110001101

1101001

01110111

1001100111001011101101011100010110110001100001110

1011101110101110010011101111100110011001

1000000110000011000111000110010100010011000000

010111010

0101111110101

10101010010011011001000001000101110010001101

000000110010000100011110101101010001010100001

0001111111101010100001110011100001000000111

00

1011000000010110101

0001100000010100010101011110100111111000001100100

010101010111010000011100000010011

0001101011110100101

1110110101100110000001001110101100000100

11101011

001000001001010100101111001

100110001001110001001000010111110110

1011110101110001101000001000101100011101000

100110110110001100010001111101

1100010110101100110

10011100010001110111

11011110110011000111001000100001101110

11101001000001001000101000011011101010

010111101001001101100110101101011010001001111111

101010000110

0001111001000101011100000011011110101001111000

01011010110

010110100110110

1

010101110100

0110110000001110011000001000011000111101100

1010011110110000101100000101000000010011000

010100111

100111011101111111111111011011101110

111001010111011111111000110110011100011001100

0100011000011111110

000

0001

101111100000011101100010101110110100001111

1001001001101110

101111000001101111101111110

100111101011101100100110000111000

011010011100000101011101111100110101011101011

000100011001000010011000110100010010000000

1010011101000101011

111101100

010110001

1111000101100001111101

000011001101111111010100110010011100

101111000

01011110100

000

10011

101001100

0010100101011011101110010010110111000

00001111010101

01101110010011

1101111000100101010101100110011111

11100010001001110101110011

100100111110000100100001110011101

0010011011101001111000111100111

10101001101000000100100101110000101110010101101

10111010001010010011010110101011

1111000010111100

1001000110

001101100100010010010010001100001111110000001

00010100010101000000110100001111001001010111

111011001000110010111001000010

1110001110100110100000001101

0111001100111011110101011001010001011

01111101010100010000011100010001

000100111000111101000101011100100000

0000001010010001100

111101011000000111000010

01101010110

10

0010111110100000100111011110111101000101010100

0101100001011011111111110110000010100111110001101

10001001110

0010110100101110

0011000100111010110010101

011001010000001110100011001011001011011111

010101111110011110000000011011101001011

0011001100010011010000101

10001000100101101111111

000010101011110101110011010001001000011011

100110110000110001101

001000011110100110101

101

101110001111000111011111100000010111001110001010

1111010000011111000

10000100110101

01001010010111101011

0111101101

00001011101110

011000100100101101011

01010101110001011011

1111110100

1

0100001010111100111010101

010111111001011001001

1100101000100011001110110110010100111001101

101011101101

101011011010010000110

10011100111101101011001010

1011000010100100010010000111

110010001001001000000000100101110110011001010

11000111111110110101110101000000111001

0

1000111010001111111100100011

1000001010000000101111001001

000001000001010010010011101101010

1010101011011101110

10001010100111

0100

111011111

01101010010011100101100

0100101000111000101

0110000010010001101111011111111010100011

1010100001000100011010110101110001

10001011110011001

1100101011

011

01100100101011011000110

11110111101011

0

11010001010110111010110

11111010100111111011101110

01110010111000010000111101001101110101010000

01011001000000101000111000100100110000111011000

1100110001101010010011010001110001011000001110

1100010010000101100110000011

0000111000010000000111

00000100100101000111100110101100000111

00

00111011111010111

0000

10100100011011000110000001100

001100011001101011011101001

1011100101010110011001

101100101

1110011010101010000011000

1110011010011011001101001001000110101111

010100001001011100111

10001001001110011100111110111011000001101101

010101110010

01

010001010110110101011100010010011111101011011

000000110101110001100110100100000

0001001111110101001100111111100010100100100010111

01

010110110101010010101001

0101101100100011010

010101000011101001101000001

100111010101

0100010100001010110100100100001101000010000011101

11110101010001000011000110101100111110100

0110001110101100101000

00

1011000010111101110111000011

101100101011100001101101100

11

000001000100001110001010110000101111010010

101110001110100101011011100011000000000100100101

0111011011010101010000011011101001111010010101

011101011011010100

110110000000111010010001000101100110100110101

1101011010010000111011

0110

00110111001001010001100011011010010101000

0001010110

10101001111100101011010001101001010110111

01111010011111100100111111010000010011

010100111000111000111001111010110011011001110

0100100110110010111010101100100110100001100111010

00001100010011111011101000111111100000

000100001101001100010011110000

0010001

11101011110110101001010010110100100101001

01010001011000110101011011100001000

1100100100110111100

0010110000001100110101111000011011110111010

01

000010100101011101011011000111000

1110000011011001

0010111000

0011101010000000110111000100000010101001111

111011001111101100001111111110100001010011110001

00

1101101100101011000111001000110111

11110110010111101000001000011100010101000001

0100001100110001011101111110011

1000101100101001001010

10100110001010000000111110

1000100001110000101110111100111

001101110111000001001001100001010000001110

0100101001001111001111100011010111

001100101

00101100010100110101110011

010010101111100011110111111011101001111000111

00100001011011000011001011000110000111

00001001110

0000011000000010

00011001011001100101001110101110110100101

00001001000100101100011100

0001010110111011101000111110011110101101001111110

01010011010111101111001000111

000110010111110001001010101000100100

000000101011110

001011100010011

1010100000

00

1101101100011001001000000101011

0000110

0001000010000001010001011001111

100011000111101110100100001001100100001111001110

1111100000010001110111100000011

1111101101001010011000000

1010111110

0101001001110111101001101110001

111100110101011101010111110

00001111001111110010100110010001000111010110000

00100010001001011110000111

0010110000010100000000101011

10

00011110110000110011001101010011010011111000

0101111111001011011100000110110011110100001000

00001101

11011001000000

1110010010000111110001001001000101000100010111

111111011100100100

00001001000010100001

11110111011001110110111000001

100111101010

01100000001

000

100100

10001001001010

111101001101

1100110111101001001010001101000001

0011101000

00001011100101001010000100101101101

11010001010001101000100

0110000000010100011

01

0111010011101111001

10000101

0001011101111101111110100010111001

0001010010100

011100011001010110111100110101010000100

01101111000010110101010101011010010

0000010000000110011111

1111010111100010100011010010101

0101

11010110011

1111111000001101101010001110001110111011

011100001011011011100001011

0111010000100111011110111010010010111100

0000010000011100100110101111010011000

101100111111111111011

110001010101000101010

110101010100010010111

0101001000100011110

10010110

10100010110110100110110011101110010

0

1

0010101100001

01

0100101111111110010011000011

101101010101100001101

010110000001101010000110

1001100100000000000111110

11101

0000110110110101011111111011111011100011110

10010011101000000000100110010011100001101110

1100001000100000010001001011010

01010111000111000101

010000100001001101011000100101001001100010110

0001111

010000010111

10101100000100

1100010110

011111001101011111000001000111100111001000011010

1100111001

1101110010000001100011010

10000011

0111

01001110111101101111110001010010001011010

010011110100000011001111001111010100111000100110

0111100001110101001011

011010110100011001

1101000101101010111001111101110110

0100110000000010000000110

100011110101010011101010111010001110101

11001011011000010

01011110011101111000010000111000011

110010111110001000000011000

0111100110010

101010110001101011011100010111

0111010010101000100101001110111000011011000001111

010010010110101

1110001101010010011001101101

00010001100000010110010001001110111110000

1010010101

100001001111111010110

011100111000000110111110001000

1110000001011100111110

11001110000100101110001010100001010100001111001

01000111001111

010010100101100011010001100111010

11111101001

000

0001000111010011110011100001100011000000110

0001000

10111110011101101101110100

1111100011001011111001011110000001000000111111111

111001000001000001

010011101110100001011010

0101100111010000110101110010001000100011100110

0100111111000000

01

0101110100001000011100

111000000

0000100010110010010011

00100100010101101001000110

1100001001111100011000110010101

1010111010101

00011010101

110010100100

011011111011111011

1101101010001011000000110110000000001100100

00111010110101100101110000000110000

01101000011101001111101101100110011101001

01000001101100111100011101010

101100101110110011110100011100110110100101

111110

0110101

10000110111001111001100000110000001101101

010001101110000110101010110000101100101101110

1110100011111111100011000100

00

1000111011100001001111110111111010000000001111

11100

00100101011101010

111101101111010011

011001010100111

110111110101110110010001110000000110001

11100100001101

110100111000000101

10000001000010010111111001110001101110010101001

1010

1000100010110101101111100000110011000010110

0111100101011111

01111110101110111

01001101010111011011101

000110001001010010110101011011

10000100010000011111

0100110110000111010011011101011000000

00010110011100001000

01110010101011110

0101000111110

11101110011011010

01010011001100000000101001011

100101101010000111111010000001111100000

111100101001001101000001110111011101110100001

01101001110100110111101110

111111111001101100001000010110

0000110011110000100010100110000110

0100000010000100001011110100000101101011111000

0110100010001011

0110011

1011110011000111010010110011011100101110001010

10

01111101001000111

00000000001101100011000

010101010001101010100

00010101111100

101110000010011101010000011001011110

011110

01111101101101110000101

0011110001011011010111100111000110110

1100110001111011010011111011111010000000110100

110

101011100010111000011111101011010101110100100000

00001110110001101101100001101000000011

0101010011010111010

00100

11101101110

010101100101011011011

10011100101111111111111110001111100000001110011

10111

0100010011110001

100100101000110101000001101111001000

01011011011001101010111100001101011000111011001

011011011010000101100111101

011101011000110010

01101010110001111011011100111110

10011101010101111001010110

1000111000001010100111001001111000000010100010000

01011101001010100011001000011000110

010011111101000100101

10

0010010000110101111010100111000001000

00000011010101110101100101

100000

1111

1110010110000000111000011100

111001100101011011001011111110100101010

01001111

100111000

01111110101100110010

101011011101111001101101

101010100101001101000110000

11100010011010001

110010011010110000110

0101101111000110010110011110001010010110000

00110100010010

001100001011

00111010000101100011000111010011001101100

011110

11101000001111010000110111

10010110001011110001010110

0011100111001110010101100101011110000001100010001

1000011011010111010100111100111101001

11000011011001000011011101100000100111111111

0010100010011001011111

0001100110110001000

00000

011001000010011

1111001111001100000111001100011010010

0011011100100011101001011000011

01001001

10001001011010101011000000100000101100111011101

11000001001011011110111100000001011100101011111

0100110

1000011

100100011

00100111001100101000010100110100011010000111

11001111011110101101110010011001010001100100111

010101001101111

000100000111011011011000100

000011011100010010011100110000001011

0100110101001001100000011001101101101100101010

001110100000

010101100000011100111110000010000

010001011010101110001001101

1010111000101010101

100001110111000100111000011110011001101010111

000011010010000111010110100100001010001010101011

100101001111001111001010000010101100101011001

010110000010111111100

01100010111111000101000110000

011111000

0001110110011001010100110001010011

10

000001100101000001101001001110101110010000011

0001010111110100010110110111011110001011000010

0101101111000011110110001111001

10111101

110000110001111000111100101001100000000000

011100100010100010010011001000

1000010100100011101011110100000001011

000110001110111000110011111010001010011001

1

00110111001000111111

111011001001

0101010011100011000011111100010111100001001010110

1110001110

1000011000001101011111010010001

111110101011011001101001111001011111011111100110

00001101011100110110000010001110001101011000

11110001111010001001010111100011111100000100111

00

111010100001110100010010001111

01000001011011111000110110100010

00100110000110011110110000101100001000001001

000010000111011111111010110001001000110

00101011001110

11110111

1011010000

1011001011010101110010

1

001100100110010101100011100011000

00100000010111110

1101101011010

1110011111111011011101101110101000011110000001101

100100011001111010101010111000111010

00100011100100110111001

00101000111101000110101001000111101

10010011101110101000110101001011110101110

0110000100001

010100010000

10110100100011110100011110011111110

11101111101111011

1101100101100110000101101111100001

001101011010101000010110100110001

1011010001010110011000011110000111110101

110111101000101

00010101011100000100000110000100111001101

1101101001

0100011100010101111010100011011

0110101110111111110010000001

101000010011110100011011

010100110000010111000011001001010110101011100110

1000011110000000100000100111001110110100

0010101110100

11010111010111010010011000011011011011100001010

11111111101010001001000100111110

000010110101001110001010110101111110

010010001110100000010110111

100110101010100010011100111000111011

11011000101110010001110011011

11

1010011110101100010101100

101

11100001110100100

01001111010001101010011001000100000

01110100010011011001101000000101001011110

001110101101010000

000011

1000000010011110001

1111010

010110101010001100111101111100111010

110010111100100000

101111110100010011101110010

011100110001101000011001001

0011

1110110010010101101011000

11101011001001110

10110001100000000110110010

1000100010001011100011

110001101100010110011010001111000100

0001000001000010100110001010111110011000100

10001100111011000100101

000111100010000010010

10101011

0

011001000100100

0011100100111

0011100011101101000010100000011101101111000000

100000001000000

01011011010110110101001

1101001110110100100110001101

10010100010100001001000000001100001011

0110111111101000011110001111111000111

101010100101011111010110011011111111011001110001

1111110000000110110010101011010110011001010

1100010110111100001

1011

11010

01111101011100110

1000101

111111001100110110010101101110010100100

0000111011100101010011110110110011111000011101010

01100111111111100100000110001100

001000001110000011110100100011001010011101011

101100110110101110

11000110001100001111100110100110001111111

00100

11

0111100100101111101

0101100101110100010001100

010011101110100101100100

010110000

0010010001000100100111110001100110111111111

111101111000111111001010

001

100010110001000101110010100110100111100101

0001011110101

10100010100011

11011001110000

0010101010110100001

1011100101101101

1100111110110001011010010111011000011001111

000011

00

0011001001100010010000

1011011110111

110001101101111111

00100010

110100011110101101101100110

1110001

110101101011011001011001010101

0111100001011110110010110011101110

111011110000010001010100000

11001010010001111010010111001001100

01101100001110110000100011100000000110

1110100100011111111101001010010

01000001001101110

000001011100111010101110000010

001010

011000101100011100

1010011101111011101000111001011101000000001101000

1111111011100010100101111000001110110

01

1100110100101110010111101100010011010001000111010

1011110011100100111010001111000000000

10001101010100110110100001000

100100001001101110001100001000110011110

01110111110001110011101101

00000101100001101000000010

10111100001001

010010101011101011101110110

0010001111100101011110010001000001000010011

01010010011101010111100111001011

011000101110101100

000111110000001001000110100110111111011001011111

0100101100010011001111111000

111100000110100010011000110000

1010010011110101111100110010101111

11001011011111011111000010

0111110010000111100010001001101111100111101010111

00010100000001001101101111101010111010100101

10011

00

010010100111000110001010010111011100011010000

0001110100100001

1001100001001110111110

0010001011001010110010

1001110101110001010001000000011001101101111000011

110100100000100111011001101110110

0110111

001100110100000011111101000000010111111000

11010000010100000011001

11

110111111

1111011001011011010

110011

010000111001000101001100111001101011

00010101110101111000110010010001000100011111101

01101110111100010100110000110101000111010

1101111

0

100100111011110101001

01010

001011011000000010000101111001010

101011101111000001

1111101000100000100011001110110111110000

11010000000110110011111011000000111

10

00100111100011101000110111111011000010001011111

1100001101100000000001

10111011101001010110000000110111111110

000111100010110001110011000110101

00

00011011111001100

01

1111

0011111011100001001001001110110111

0001001011100010011101111000001110000011010100

10111010

010101000111000100101010101

110111000101110011001101111111111

111111111001001001100001100010010111

1100010000110011101110

00

1010110011100

11111111011010100010100

100101010101001100010100010010

10101000

101111100010010111

110000010101110001110000110101100

0111110101101

1000010

11

1111010100001101100100110111

100101110010111010101100011010100001111

0001001100011101001100011000011

010001110111000100101101011

110010010000010010111110110111010010101

10101111110101111110111111010110111101

001101110010111000010000000101111011101110001

1

1

011100111011111010000111101010101011100111001111

000000000110100

01000110010110010

1011010000011000010010101011010010011001001

00011

10

1100000110110110111010111010001

00111111101011001110110101101101100010010

10100110001110101000011000010000001000111101111

001001101001101110100001001101100111111110

0101011000100001110111101111101100101100010101000

11000001010000001011111001010101110001

11110110011100011

1010011010101

110000000010100101100111110010100

101011100111110100000111001000100110

0011111011001111010101101100101110001001001000

00001100001111100001101100100

1111000001001111111110011001010

11010101110111

100100110100000110001101

1001000100000101101001010110

1110100001000101011010

0010000000011100000101100110111101101101010010101

10110

11001000100011111100011101110001

0001000110101110000111101100001011

11101111

0111001010010100110011101110110

1111001110

001011110001000

100100000000011

10000110010000001000010001111001001010

111110110001111

010001

010100111110101010101001001111001000010011111

001100101100111000011111011100110011001

100111001010011001

1101000101110011110000001100111111010

01001101011101101110

0

1

0110101110001000110110

00001100100011110100

0100111000111010101001011

0110111100001010100001110110010011111000100

110100100111

111100011001101011010001010000

010100110101011110

0100101011110111000110000101010000

000001110100100100011000001

110000011110110100

10100111000000100101011101000100111100101

0101011010001

011010010111010101011000011100001

111111011001110

01010001010

01000010100101000011101011100010010000

11010011111110111101010010111001010111000001

101001111011011101011100000111010011010

00111110001

01111000100110010010101110001

10011100011101111011

01010000110110101110001

010011101010010010011

0111011011100110000011011111

000010100110101010000

0100101100101010101000001010101101111011000

1111111010011100

01100111101100100111011010

011101101110100111011010011

0010110110011100111110010110110010110111100001011

011111101111000100111110

01110100011011100

00010101111

10000101000011100110111011100111010

00

110100011

111111011000

1000110001010110100011111101

01110111101111000

01110

1101011001000

10

110101001101001100111100100000010

10011100001101011011010000010011

110110101001001100100101111001

00010100101

0001010111101101110

110111001110011101011001000

00110

000100010

100100110100011

1101101101101000111011010000110100001010000110110

101111100000111001011010100000000000011

10100101110010011110111011

01000000101110000101100001010011

01

001010101111101101011001001000011001

010

1111101

0001101000101001011

0010

01011110111110101110010110011101111100100011

1100011001111

1001001011011111000011100110110110000

11111100001111110111011

1100110110000010001111111101010010101010110010

0

001100011000110011100

011001100101110100100011

011110111111001100010111111011111101001000011

000

110111011

111110001010000001011111100001110100110

00011111100110111010100000100100101010

1000111110000101111100011011

011110111011010111

1101100111011000010101101101001010101

00111001000101111000111011011110000001

0101111010011101000000110000100111100

01111100000001101001010101010001

11000100111100011010001

10010101111000

111100

000

100111010

01110110010000101011

1110010111000010001100

101001111110011000110

000011010100110

01000001001100000011010011000111100000001

101000011110

000

001010111101

111110000010111111010000110100101001010

0010011100111110100001010010010010010100100000

101110110100001100100000

1110110100000101111101001101001110110011

1000001101101000010000

0111

11101110101101110101111101111100110110001

11

111111101011011111

0001111101010001111000111111000

110001111000110110000101111011100001010000

10001110010110111010011000110

11000001010010001100110000000001101000001111

000111110010011000010

1001000011100101111111110010000001100110111010

010011111111010

111111001000010000100000

11000011111

000101011100101101010101110100

00

00101100101000000010101110

000110110101011000111100

10010000100101001111

1001100010011101110101111101000001010000

01111000110000011111110101

110111111

00100000010001101001100001101110110101101

0111011

100011110011111110100

00100111101100110100010

0

1011100001010101010000110011001010000111100

10100010011101010111110100010011110101100101100

01

110101000111000001000111110100100100111

0100011

0100010110001100

000010011101000000100000110111

10000000011011010011100100010010011011011110011

110011111110010010100010010000111100100011101

1101

1011

10101000000100100001011011

01011011101100101

1000000011001101110101110001110111010001111

0010

11011000010100000011110111000100010000111111001

00111011110100001110000100100111111

010011110001

1111111011010000100111001101100100100

101110110111101110100010110010111111000010010010

00010000101010000011101

11101111101000000110100000100001001110

1001010000101101111011010010100010111010001011000

011011000110110001110001001010010010000110101111

011111000

100101010010

0011110101101110001111110110110

010000111011010

101111000111100001010

1101000000

000110010011011101110001101100100011100

11101011001100001100110100000110011110000001

011100

0101110101110100101

01110010011010011100001110100001110

00100100101

10111101011100010000

110100000001101101

1110001110110100

01011110001111101100000

10001110

11

00011001111110101011111110000011

0001100000011000000111111111

10011000100000011101000101011110001001011000

10

1111111100010101010001011111101011

111001011111000001101101011011110111001

1100110110110100011110011111000100111011101111

0000111011111011001011111

1101001100010101110111001100001111110101000

00000000000101010011

001110110000001101011001000000000

010111101010111100000110001011011

110

10000000001110100

11111001101101110

11101001000

0110

0101011

100111011100111001010111010110011111

1001

11111101111011110011100101111110100110000001111

1011100101110111110001011111110010011111

00000010011010100101110

01110

0000111010011101010100001010000000011001

0111100110100010

01

1110101110101101101000101010110101110100111

100001000111

101000101000101110110100101001011101100

1001

001000110111100000100100010001011010

0011011101010

110100010100000010110001

0000001110100000111011111001111111111

00001000100000101101001111101111011111110

101000

10110110100100100

0110001001100111

001111010001011110100110100011

10010011001001010100011

0100101110010100011

1010001001101000

1111010110000000100110110000000

11100100001100101

0001110001011

0100011001101001100011111

11110101100101110000001000111111010111100

000100110

0111111100000011001010101101001011000110

1010100100110011111100001101

01101

1001110100011010100000100111

01001001010011011011110010111111101011

011110111110100100010001100010111111001011

1100100111100010111101100010001101

1101110100

11001011111101010111

111000011101001101010010100010111

0100010100111011101100001010110011

011100100010000

001

000110010011010000001010110110000010011101111001

100110101110101110001101100110000100010000011

1110110101001111111010010100110111101110010001

001

1010101000011110010001

00100

1111

11000010111000100101111101101111101001001

0101000101110111001111101011100110000100001000111

0101001010

10110010100100101000111

001000110010010111101101

1001010001010001111111011000010111000000

00001101101110100010011011110110

100110110011000100101111011101100100101011

10101111011011000011101000111011110000100011101

00

1101001010001101011000

00001110010100101110110011101

0101111111100110100111110

010010111000100110010100000100110000111110

01100011011010001

0101010110011100011010100100000110101

011110001111110011011110

01111011110100011001110101010101101010011

0101110

0001101110101100111

011100110

101000000011101001100010111111010101110010100

1101110

01101110100101101011101

1101100011100110110011

1111000101011001100

101000100110001010101011011100110101

1111

1011100101001110101100111001111110110

10111110010110000010001101110

000110000110110110111000000001100010

0101010101

0011

00100100111000101111110111001001001001101001

01

00110110101110001011110100110111110010

01

00100001001111110101

100

00001111100000100101001000010000001001

010001001101000101001111110111010000100000010

0001010001101

011111

0100111010000000110000010111011110011

00101101100111001000

00

1101100000001101010110000100100100

0011100

10100100010011111

1011010110011000000100100011101111011011101

1000000110100100011101000011110101

101110011010100100111011000001111111110101101

111110101111010110011000011000100011001

0010111010

00001

010000

0111010010100101000000011011010110

011100111110100011000110100000111101100000100000

100000101

1010000001010000110

10011001101001110100100011

011010010

11

110101010111110000101000011111101000011111011

11010010000000000000111001101000011100101000

001001010010100

110111101010110011

00100101100110101110111010101101

011101000110111001

1110100100001101010011001100000111110011110001

1110000100000111111

10011111010000101111111011010101110000000

100111100111011011010001100100001100

01100001010

001100110

111000001000001101001011000010

00001001100000011100000000111011101011110111

101110101001

001100010001111101110010011101010010001101

00110111010

0110101010111101100

000100010

00011110101000011100001001101010011010110100111

01000111001

101101100000011000111001100

01100100101110011010

01110011011100110100010010000000010100

100101000001111011001110100101000000

100000111111011110101001100110001011001000

01110010101111111000000000011

0011010000011011111100110100000101010111110101

010011000001010011110011100100

1100010001001001011

00001011010101000

111

01101000101111001001010010101011111011110110010

00

01100100001011000001011101101111001110100000011

1001111

11001111010010

01110101101111000011000010

100111

1100001011011000010001000

01

01101111001011

01111100111001011010001101101110100001101001

01101100100001100110101011010111001110

01101000000110111101110111000

00111101110110000110001010010011

0000011110000111101011111011101101100001001010

10001110101101001100011100

1010100110

101110011011010100100

101010100110000111011001101111100100110011100111

1000100001111100101001110101000101

011001011110011111011

01110

011000100111001001110011110100010010

1001011000111100100010011010000010100

01101101110101

1001000000001111000

1001000101111001001000111011110001110100

01001000010010101101110101000011111110011

10100100111011000

11000000001111100000

11001111010

00110000000000000001110110110100100

10100001100001001101010100101101000110101

01000011011111101101110111001110

1000000001010111000010000100011

0111101010110011101

11110100000101101101101111100111011

10010000011100010000010010000

0000000010

1010001001

10110011

1110101001101001011011100000110001111

0110010001110000100100001100

110110000111010000101011101010101110011110

1001110101110101111

1100

1100011010110101100

010100011100000101011010100100001011010

001011001000101110010011001111

0011110011100

0001

1110101000101000100010010000010000110111000100010

0011111011010011010001010010010101001

0001100000111111111010110110000110

1110111111100001010

1111101011001110001000011100010

000010010011010101101111110110010101000011

1101100100110110111101010011111111100010

11000111101110010010

01110011000110000011111001011100101001011

1010000110100110001001101100100101010000011010111

10010100001110011110010101001011

001111010011011

1011011011010011000110001101010011000

1101001010010011111011001010111101100100

100010000

100101110

1110001001101001011001101011111011000100

10

1000001001010111011101001011101110000111110

00000000010111100001

10100101100110110111100000100

10

001111111100011000001111011

10110111010101001111110010100001111011110101

11100011011001110011

00000110010100111010001111011110010

100100100

000010010010110100101100101001110011110

1001010101101111100101100110

101101

1

1

110110110

111110111101000111001101100010000010000100101

001011101011100101010110000101

00010000100100000010111110111110000101110001

110001101000111100111001001

0010011010

10

01000001111111110

100110101110010100011010000101010010000000011

1101100100100111000110101010000010101

111100111110011100101101111

10010011010010101110101101100

00001000011

001010

1101

100111010001101101111011011001111

100101010111100011000100011101111

000011

011

111110100011100001001110010

111111010011110110011100011

110000010111100101110000111110

00011010010101001000110000111100

0010010110111110011100

011100100110110001010000001010

001011001000000001000111010101100011010

101000110001010111001010001110101010001101001001

10011100010001011000

00000110011111000000

0

00010100010111100100100010000100011111000

11010000111101111100110001000110111111

000111100010001001100001010001

10110001011

1010101010010100011100111001

11000010110100110110111011

1110011100

010101100110100100101010110111100000110

00110011110110110110010111011100101111

10010001110111110110000001001011110110001

110000111100011001000

11001001110101100110010001010101100011100100

0010010000010011001110011111011011000100

0110101111000001000011000010

111101001011010111111111111101000

01010100

0011000111011000

100110110000

11000110010100110110100100

1001010010000010110

101001010011000110010011101101101001111

101001100111010101100111100

01100100010001100

00101110100111011000110110010

110011001011101001

00101101101001000000001

01100110001011001111010

10011101011

101011110010010101

010010001001000111111010111111110010010010110101

01

011100111001011100011001001111100100110011110000

00100000010100001111010100011

0010001010011011100010001111010011001111100

11101100010011011000111011001001

00111111001011000000001101010011101011011010

010101010

10101000010001101101100001

01

111101

111111110111111100100000011110011000111101

1101111010100110

0110010000110010001011100100010

111000110001011100010111001011110010100

01111001110001110110101100001101011011101001111

0111011101110100101011

100

100010010001011101110001000110011000

00101101001101

111011000100111100111

011111111101111

110100001001100

10011010011011100100001

1001000011000111110101010011111001110010100

0

100010001001000001000111001110010

1110110111111101110011101100001001100110011001001

100000011101111111

11100111111101000000100100111

00110011110010010111

1011101011111001110111100101001000010111100111

010011110100100010110100110001

1101101111110100110101011100101111100011111

110011001001000100110000111010100101000101

100110110001101000011111010000011100010

00

10101110000110110001100011001011101000000000000

101110000011000011111000

00110101011101100111110000

11000110

1010001000110

1001011010110011001000010110000111000111001

011

1100100101000100110100001010011111100010100000

111010110000101010111100110000

0111100011

0011101011001110101111011110100

11

1100100110101

1010101000011000111010000

010101111110001000010100000111101001011100

101101000001110001000101001111011

00010101110101011110111010111011101100110

10001101001110010011001000000001111001011101001

1110000110101000111001100110101000

1010111111001100111110011

11100111101101

1001010000100000000001001000

0101111100010

00001011100010101111101

111101101101001110001101100000100001110

000011011110111101100011000011

11110110100000100010101100010100011101111101110

101101000010000111101

0100111100101000111101110

111000000000101101110000101

111000000001110111010001111011100100000001100

1111001

10000111100010000011101101011010010111

010100000111010101000010101011001

1001001110100010011010000

01000010000

0101000010001101100110

1011101010100011001

11001101010100011101000

10000011000101110010110

101010101001110

00111011010010011101011000011011101111001

000011100101

100100

1101110100100000110000110000101

101001010001

0000101101101110101100011001000100111001110101011

01001

10010000010100001110101100000

0

1000001111010001010100100011

01010000001000101111001000100001110010111101110

1000111100100000001001110111001100101

10010101

0011110011000110010101110101

010111110100010011111000010111

11010110011

0110100

1011011

11100000110

010110101001001111010100

10111001110110100011100011001

00001010111000010001001111110

0010111100111001110

1111111111

101011110001110100010100000

0111100110011011011001110010101000001011

0101000100111110100010011101011001

0001011001100000011110111101100111001010110

0011111001111110110001001110111001

0001100011000000001011100001111

1010110101100000111101001100101011111010100

1011011100010011111001101110001110101001100

0000011

10010110001100000

0001001110000010110101111110001010011110010001

010010011100011100110101000011110010

10001010100110000000101001000

1000101

00110101011111010110000100110110

101110110010110111100001000101001000111011101011

1000001011

1100010010011101101

10010101111100001000011110001101

01001001111111

01100011101011111001011001

001111010001110011

1111110

1101101011000

01000110100111111

1001100010011010001111101110111000001

100111011100001111010

000000101

010001010001000111010010011001010

1011010000111100111

00100010101000101111111110010001010010101

00101000010000111

0100010010111

011111010110001010010011101001011000100011

011000010100

000110111010010001011110010011001010001111010

10101111101000010100100111111100000001101000

1

010111111100001010010000001110000000100100101

0110100

011100100111

1001001000111110001100001001011010

00110010000001100110101111011001111100

11100101001010100101001001100001000

0101101100010011111000011011010000110

1111111011110000110111

011101100010011000110001001

110110001000001110

1001111111111000101101001011111111100110110110011

01000100110110001100101

1010110110101000000

0001010111100000110100011

000111011100000100110100000111100010000

0110000

10101010000110101101111110010001000001110101111

101001110

111001111111010010011000111111111011101001

11100111111111111111010001001

01100100011001111011100010

1011100010100111000111101

01110110110011011011000110010111100111

01

111011100001110110011100000101011110000

100011000000101101001111001001001000001101

0001000101011110011111000000010010000101001010000

0001110110111011011111100111111001

110101000100101001111101010010

11010001100000110000101011000100011111110101101

1111111111

111010100101111001111101100111101101111110101110

101111111110110100111010100111

0001001010001001100101010110

011111011110010010101011011000010110

001010000111100101101111001110

1101111001100111000000

01111011010000100111000010001101100110110110111

1001000000010110

00010

0110110010101110111001101011110100001010101100

011

01101011110001011010110011111101101011

0000001000

010001000001101010100000111000000110110

00110011111

010110101011110100011001

000011001

110011011

010

11001100111010010111001110000111

10010111

001

0101000001001100010100100110010

01110000101000001001010110011010

1011001

1001100100101011001000110010100010110001011111101

010010111101101010010100

110100

10110110000000

1

011011101001000

010001000011000101001010100100111101011011

000111010001110000111111100011

1001000110001101101100110

10111110100000

11100010100011001111001000000001

0000111011001

10001001011101111000010

11001000010011100

01110000111

100010111

000001111011010001101000110

1101111110001011101001111100100100

01001

111011011111010100100000001111

001110100100001001000001001101111100011110100010

000000101011000000111101111100001

0110011101000010101100000111100010110011

0100100101011

00100101010000111101010100011110100111000110111

000000011101010101000110001100110

1

011011111100100000010111101100111111

00010110011111001011

110111010

111101000110100011110100010110001110011

1011100000000110110100100100010101010101101

0110110011100011000001000011000010110111110111111

1000001101001111110011100111001001001101101

01011000011101

010000101

11100110111

11011111101001

10000100000001

111111010010000010001111

001

101000001001111001100000101100101000010010001

010010000111111000110000000011011011000011101

0101110001011100110000000000111011101

0110010100100101011010101111001000

11101110010101100011101110001011001111

101110110000111110110111111100010111110110111010

0101110000000010100000011111011010001011001

0110011011101101000101100101110101001

101100111001010001110011110011111

0001011

1111111000010011001000010010001101110110101

010101111101010010001111100111001111101101

00110001111000100011010101000100

1110001000011111101110

11101000110111000101001010001110011111110101101

001001111011000110100

00011111

101

10

10111000010010110001000001101101

1010010101111011011

001101100110110001111110100

01100001110000011011011

011010100001

0101010111101000010101111

101010100001010101000111011

001011101000110001001010010111011100110010

110100000

10001101110110000111111101

0110111100100101011

1011101001011001100011111000001

1000011001100011011011010001011110111101101010010

000100101

00010110001111110101111010111111001101001

011000000100011111

0011

011101

110010111010001000010100

01100011100011111110000001001000111111111010011

011010101011110001010010001101111001

1111111111000010111101111

0101101100001100110101010

01000001011100001011000001010001

1101101100100011011001111011001100100011

00010100010011100011111100010001010011

0111011010010011010101100010100

1010001100011100101101111

00000011111101101

111010001110

11000111100011001110001000010110

101111101011011010011

0111111010001011111001101000001

1010110101111010010010110101

001001101101110101001010100000000001

0100010101000000010101100111100

11110000010110011001100011

00110010001100010000110000101010110

011100000100000101101111

10

111010110111100100011011110101110100011

101001

11000010111101000000

000001000110000110101011010000111100000

01101101110100000

1111000000001011101011110011010001010111000

1110100011110011011110001000

111101010000110011011010010010111

00000110001000100110011110100100101

1111011001110111111

10010111001011011100001011001001

1100001000101100011110001010

1011

100010010100111100100111110111110101000111

00101010

1111010

01

1

00101001111011101

000111000011011010000001101011011001

100011111101

11110011011111001100000001000001110110101

011010001110011111100011010110011100

110

0100101101011

0100000000111110110111101010101

011011011101011011101000101

110010101010111

11100101011001

1000110001110000101000000001

00100001001010011011101

1101111010101101110011101110010

00111111111011110100111100001001111101010101

1010011110

0010011001100111011001001

1001010111000010101

1111100001000001010

1010100010011001010000111

1

001000111111011100101111101

000011111

11100

110011001100100001

10010110101

0001111111011101100

0001101101001110001000001110001110

101010000111111110100000010110

01100010010

101010011001111100001

1100111111100101001001

10000110011100010001101110111010001001110011

01

01011010000010100001010010111110

11100101010

101110100101

10011111110100111001101011000000001011111111000

1110111000011101010001111110010001111010001

0110000000100101000010110011000100101011

110000011100

101010101

100100

10

1101010011110010101111011101101111110100

1011111111001010101110111

0000010010110111101101010000110000001100111011

0111100011010010000011101100

101011101111101010111010110001011010101000110

01

011001

0101011111111100011111

11111110101101000110110010

101100111

01

1001011110011101000110

01101110100011100010111

01010011111001001011001000111010011101

111011111000110110110001011000101001000010010001

101000111000000110011110110011

111111110010101000110110011010

11000000111001111110110001100010

001111011100

110011100100011001011100000011111

1001

111110101100010010110010111010110011

1010100100011111011111110101000100

110100100010110010010111011101000111110111000110

0100101011100001101001010100011110000011001

1110000100100111

0110100100111

01010

101010011101

011111010001011001100001011011101001

0111011111000011000

1100

101001010001100

1110101111100001111001100001111010110011

000110100110001110

111101010010001000110010001010011011110011001

0010101000000101

101100110

011110000100011010001000011100011000000110

010010100011101001000001000010001100

00110011

1011010

11001000111101100

000

100011011101100

0101010001001101001011011101011010000011

10001110100101110010011000001001101000

101110010100101110001010110111101100001000011011

110100111011000110100101

000110100

0

00000110011011101011001

0100101001

1001000111000100001111101110111100101

001101101111101100001110011000

11110111111100001111

1111001111000000100000100001110100001100100

110100101001100100001010111011001

0000001111001011000000101

10100001000000111011000000000

11001010000000100011001101

1110101000111111101011110100110110000101010

00101100

1011000010001

011

10111011101010101000111101110

000000000101101100110100

1

0

10011000001000110001011101111101100

011001011000011110001110001000011100001000011010

0000001111011010111100101

1011100000000001001111100001011111110101100

111101111011011100000101101101101001110011

1

111000011001110101001100

00011111110111011010011111100

01100111011100110011001010101011000100

1100111000001100100111010

1011001110111111001010010100111111001001001110101

111000010011110000010010101000101000

011101001010001111111000010101

01011010011011100111111001001010001

01110011010011011110000001000110111001000

0110011001011010101100010101110101110010000110111

1110

001111011000010000111100001011110100111000100

111110011001110

11

011011011010111010111101101010

0000110100011100010001100

00011111

1100110010010001100

001100010100011111110000010111001001

11001010011100010001000101111000011101

0100111100

100101110100000000101010001110110

110111010000011

1110110011010110000

1011110110001100100101110

010101010001100010010100101001010001001010

101100101101010100110111101010

00101000001111110001010000

00110110111111100111111010111000111000001010

00010000011001

0111110110101110001

11

011111010000001001100010110000010010001000001001

001111011111000011011011101100

101011100110000

1110010011100010

000010101111111101110001

0001000100000101000100010100001101111001011111

011100

0000101001101011100110000110

1011101101

01001100110011000011001001110010011

10011

111010010011010001111101

101010111001000101011110001000101111001

110

10110101100

00

1011100011001000

00001101111

11110111110

10010100101111000011011111

01001000010001001010111010001111101101001011101

11001000111001010

1100

000100110010111101000000

00

00011111101001011111000000011111010

01010100011000100110000110101001101

1111

01110011000010000101010011001100100111

0100101100010000011101001011000011101110010100111

11001111100010001001101100111110010110010

0110111110010111101001110101

1100111010011001010101111101110011001111111000

011000101001110

11010101001100101010010001000000100110110

00000101001011010010010000110101000111101

0110111000

10010010110010000010011110011101

0001010111111101010000101110111110111001101111

1001111100101101

101101111

11000001001001000110000011001111001

1000011010110010000110001001000001

111100100101001000101

00

0001111100100

0111111100000101110010110100110001110

11

10111011010101011110100011010111011000010011

1001011100010000001011001

001011001001011101111100

00111010111111010111011000110000110100010

101001000010100010000111001

11010101011011101001100110111011010

011101010110010010001

10110101111111110111100000101

10000100111010101

0101010110110

1001011110

0011010101110100001000000101001110101011010

01010

001011010

01010010100100011110001111110110001000111

101110111000000111010

01

11110111100010011011110110010010010

0100110110010111111100100100111

11

01011111100000010

00000011

0110100010111000001000001100100100100010

00000111001111111

11

110101101110000000101001000111111000010101001010

111011100111001101101101

0011001011000011001000001100011001001101101010000

01011101011010001101011110

111110101100100110

001010001000111010100001111100000

1001101010110

01000010101110000110110011110011110001010011100

100000010111001000111110011100101011101111001110

010111

0000001010100101010011000011101001111

101111011001100101001100110110110

00111100100101011000011000101010

011100110110111011010000000011011010000011000000

11110000100000010001001010100

001000010001

110100101000100100001110011110001011

1

111101

010

0100011001111000001

0101

10001001100000010010011010011

10000111000110110101

000010001111110100111010000111000110110001111

0010101110110111101111

001111000110010111010111001110001

10111101101101011111110000011110011101

0111011001001111010001001111

101101

001010001010011110100110111101000010

10

110101111100111000101011011

10100011000001100000110010110010

00001111

01010110110111000011101011010001110010110

111101011010110100111110000111000000001

001010000110

1010011110111000001001111001100100011101

010101101000101100110010011011110010101

01100110101000011011001

11010100001111010011110101100000001110110101101

10

1

100101110100101010100

100001

00101100000100100010010001001010010111

1000010010100101111000010100001000

01110011101110111101100100010000010010100

110001110100011110110110000101

1110000111111011011011001001010

110011

011111011101111010011001000011010

0

110100011000101011110000110001011000011010100011

1111110001111111000

01

100000011001110000111101010000100011011100111

0100111111100110

01

11010010

01110001000000100000000010111111010110

1000100100

11110100111111011011000111000001100

0011011110000

001000110010100101011010011100100110000111

01100001111100010110100101

0100111110101000110111001100101011110010010111

111010110100

010100010111111

000100000

0111010100

00110

111100110011000001010100111110

10111011001001

110011101011001010110010000111110010111011

100011111011

00100101001111

1111110110101110101100

001011000001

11110100101000011111011010111100110001100111100

11011101111001100100001110010110010

0101011111100101101000111101100011100000000

0101110000100100001100000010101000101011111011001

00000001000100110011111100011000111101010

11

101011

010011001011110011

00011111101101000011011001101010111000110111000

101001011011000110011

001001010001100011100001011001

01011100111100100101111000010

01100110011110

1110001

0101101000011011101111110

1111100000110100110010110101110000111100101111111

100111000111001000000110

010010100110000100000011

101100001101010111011001101010110100

01

01110100000111001010110111100

01100100110110000010100101010011011001011

101

00010100100100001101101

111010100011100000111

000101101110100011110000001101111001011110111101

011101011100110001001110011

1000101111011011111100100000011

01000010101011

1101000001000100011011111101000010

1001100111

01100010001101101100100011000000110011100100011

1001010110010010000000011001100000011111010

10010110100011001100011

11

01

001000000011001

01001101100

100100110101000110100010100

1100111011101001100011110

0101010101000001101101010011011100001

000110101110

001110011010011011111011100110001111010000010111

10001000111011

0101011100101

11111010111111101110011000001111010100000

011011100000110001010

1000111100110010101001000001100100101

0110011010011000001010001000000

10011011

110000111001110111000111010000111000000011110101

111001000101110100

011111011111110111000101000

01011001100011010011

1110110110100010111

000011101100111001001111110010100

110110110110010010100010010110101101100100

10100111001100100011101

0100001011001101000010

0

00001110000001000110010

0111011001111001010000001100000111100110010101000

11011010100000011000101001100000010001100001011

11001110010110111101001

000101010110110010111000010100101101

011101000000100

010001011000000010010101100

01010101110111000011100100111010

00100101001101011100110101101001010001

001000011110

10101011111010100010111011001011100111111010010

00111010100001001100

000111100100101001101010101111

1101101011110100110101001001

1100101001110000001001111

010

001110110101110101101101011000110010111010001

011111

010011001

1011000101000001111011

11011011011001010101000000110000110

0110100110110001111011

00101111100111

1001101100011001100100

000100000011101111010001001001100110001

110000010010000111110110011100000110010110111

010011010100111001010000111101010111100100

1100111100110

011110001100110101100000101

0100101001110

01001111000011110100000001000

0

000

0010110011101001

01000110011111000011

11101000101111011000101011000

0011101011000100100011101110000010010

1011100100111011000111001111111110100111000100000

011110100

0001111110110111110110110010011111

111001101001101101000000011111111111011011010

01

1000100001011110010010111100

10101110

0010010100110011111001010011010100110100100

101000101101111100101100101001110100001001000111

1110101111111100110010101100001001000011000

101110111000011011000101010001011010110001001

00011101011111

0110000

0110010011100000

101010111

00110110

1001111101010

000010011101111100010001010110

0111000000111111001000100000000100000111010101

1111001001000110

0010001101010111110000100001110010011011101101001

100010001111110011001000010000000001

01110011101010110011010011110100100111

010111011110001000011011101111100110011010111011

10000111011100011001001111

0000000010010

1010111000100110111011001110

101111111000001111100011010

0001000010011110

00011110110010000110000001

000111011011100100000100010010010010

1101011100

11000111100011

100101010111001011001000011011111100

10001111011110111000101011

010011

00100010

100010011010010

00100100010101001001100110000

10010011011100000011101100100101

0111010011001111000

01101001110

101111000111001110011000101001010000

010001000111001100

0001010010001110010110110001111000111101

1110110110010110011111

1011101001011110110111010101010101

1110111000001001011110011000100100010

0100111000001010111110110100001110100110010010110

001101011110

1100000011

010000000100100100010111

00010011010011010011101111110000011100011

100001000001100101111110100010100100

0100111110110011

0101

1000111100011

111101000101

1110001100101111101

00101101011000100100

1110101101111101101110

1111110101111101

00011101001011110101001010011110

0110010

11100100100011100110101

101111000111000001101101100011011010101110

100

11011010011100011011000011100010011011

10101101110

010111110111

1110111101110010011100110

11110111011100110001101011011010101100011

0010100011101000111001100001

0100000011101

0100111000000100101100100000

0000100010100101111000011010100100

100111000110010010000

01

001000

111110011011001

10000010110100000101011010010000110001101110

01010010

110000101011011010000

00000011111111111111011111

0101011100111000000100010010100111001011111010100

1000011100000100101010

11011111110100110100000101011111111110011110

1101100111000110110101

010010110110010

100101

111110100

1001100110011100110001101

00100111111110010100100000000001011

000110111111110010100100011110011010111100

1111100110010011101

0111110011011110100011100010110

10001011111011100110110011110100011

010100111100000100100111101101001011100101111

100

1010011110000111101110110101010011

000001111110111111110100001001

010000011001001110010101

1101110000001010111011110010000001101101100101

000110010010001001011101011

0110110

0000100111101111

1001011000010100111

001011100101111010111100000110110001

00

101110100101010011110111011000100010

10001111011

0011

00001101100101010111100000

000001000100100101000010000001011010

011001

001110000101110101010101100111000

00011000011101

00011100101111111100

01001011101100010101100100111001011

11010010100110010010010010011011010111000

10001001000001110101000111111000

00000111010011110001110111011100100

100111010011010000010010010111100

100001111001111

00000000011111

100011001

0110100000101000011

1111001111100001100010001010

11011101100001010100100100

01

0110110011110101010110010101000000011111001

1110001001100100100010100110100110011010011101100

001110001100111010101010110001101101110011101

101000010101010011000010010110100010001110111

10001110101000010111

01

1111101101001000010011111101110010001

00001000010001001110101011001010010111001

0001011101111110000100101

01010011011

011010110001011011111

11110011

1001011011101

1100011

0100001011100100101011000101110010011111110100

01

1101110

1000001110101100110111000011

11101000000110110100101111010101101

00010000111001101101011110

001101010011000011

101110011

0000101000010011111000000010101

010101001100100011111111011

01

11010011101111000000011

100011000111011

00000100000

11101011111110011011111011110100011101111101000

0111100010100110111001110101000101101010100111

1010100100100110111001

1000110

001110001011110100011

0100000110000111111001

001110000011011101010110100110

0011101011

001010110010

0000100001010110001011010000000011111011110101

000101101000110011110001100010111101001110111

111000111001000

0101000111100010010000011

000001110110001010101100000

1011101100000111011111100101111001001100101000010

011110011

011010110111100010101010001110001000111

111100011111101101101101111001100

110011000111011101011110001001100111110

0100101000110

1101101100100000110000100000100111000110111101

010001110001000011010000000

010000011110110001100

0010010111000010011000010

100010011111111001

1110011

0010001101001

1110001001010010110111100000010010001010100111

10011000110100101111100

1

10

00001011111101101001101100

00111100

01100011101111101101001010000101100011101100100

11100011000011010110110100101001111011

001110010101110100011011111101010100000001001

010111101101101110111101001001100101101

11100111010000110011

10011001000111001101110010

010101011000000010011111111000

00

0011010010100001011000100100111100111011000110

11010111111000111110110001111111

000001101111000101010010110

0001110100100111101011001000111011100010

10011010011111011010

1011100110000

11000001000010010100100001100

101101100110001100100000000001

10010111001100010000010010

11011100101110000010110000011100001111100000000

1100101101100001

0100111110000000101101001000111010110010100

1100110110010000000001110010001110101101011000

00110111001100

00

100011111111000000110000100110100110100101010100

00001

0011000011100101

01

011000010010000001111101100100

01110001

100001011010011100100010000100001010101101110101

01100111110101011110001111

110110101010001010100

1111110101010100110110110101010101111110001000110

10010110011001100110010000010100110110011001

111010111111

11110

1001010

110

00001111111000110111010000110

0100111000001011111101111111010101011010

001100101000001000100110000111111110000101

100000001001101100000011

010110100110100001010101

1111000010100001110

1011111110100110001000001101011010111101011110

1110001

010100001100111110001001110

011000001110001101011110110001010100001011

01001001100000000010

0010110010111011010010010100

101

1011111011010000011111011100100001001010000

0

110000000001101

00010010110000001010

01100000

100101001100

0011101100000101100100100101110001010110

111010110000010001

11100001111000001100001001011101010110000

1000111000010

00

011011000

00010101010110001111101011111111110111110110

00001

0111101011010011111101111101011000000100000011101

1110100000011110101000

11001001111100011011101110100111101000101110011

11010101011011

01010100011001111000000101001000001000011011000

0100010011101101

0110010011000001110100100101101

010100111100010011101001110011000001010010100101

1101010101000111100111001111000100011011

011101100111010100001110001010011000101100

11000010110001010111001000100011011101

0100111101001000101011

1010000111100100101110001100110111

1001

1000011000011110111110101001101101100000

100111110010101101011100100110001

001

1111011111100110001011

000

1000101110110000001100001101101001

1101011101001111101

01000101101010100

11101110100100100001010110101

1001100011110110111101011

1000000101101101101111000110111010001100010

1111111011110001100110000000

10110111010100110000101

01000

1110010101111000100000001100101

11011001110000101101111111000010011011000

1101110001010110001011110001

10000011001110010000101

00110111100111100000010111001100011111101

101110

10110110011111001000001011

100101101001

010001111000100110011101100111

000010000100111101101

011001001110111

010010001100100010011110100111111101

000001001010010101101000101

00001000010110111110101100111

10010011110100010010101110101010100001

1010011000110110100

1110000000011001000000110110111011011100001111

1111111000011010101101011111001000101000011101011

00110

00

000111111010

10010101111100000001100

01100111000110001011100011100101000100101001

11100001010101100011011111011010110

001100001011011110011010001

11010111

1000101111110000100110000101101111000

001011110101010011000000010100110000100

001000001

0110000010001000010101000101010110001111100111110

001001101001101101110

0111111010100010011100000

00011011111100100010100000101010010101

1010000011110100010011111111100011010

11010100111011000101101010011101111011010100

11100100

1010101101110010000111

10000111110110

1100011001011111111111

01010101011001100101000011

01100110101000

00

1111001001110110101001010110

100110100100001000001001000011011000100

0011

0000101010011101110001110101010111100010100110

01000001100111100001000111001000

01111101111111101110110011110110

0111011111001010011011111001

011110001

00101000111001111

010111111001

100000000

100100111001101010111000010111101111111000001001

011001011111000101101011111

10011101001110010101001011010000010100100010

11001101

000000001000000101101011

011101100111001000000101010110101110111

010101010100111011110011110000001000100010100111

010000010111100111010101010111011111110

101010001110

111101101101001001011100

1111010011010010000001001110100011001010010110110

101101010101011

101101000010101011110001001

000111100110

1000001

1001001010010

11010001101011000000111110010001100110010001

0010111100100101011100011111011

0111

0101110101001000111111011110010110011100111011111

010101

1011010001011010001011000011

111

100000001011000011001011

0110001100000100001100111011011010111001000

1000011111111001110

111010100100000

10110101001111001110100010010001100110011100111

100101111100001100010111011101110100

111100010001010111000001111001101101001011

1010001

100111110010101110110010010101110011

10100000000101110010000010011000110

001

001010101010010101011001100011

0110000

0011000111011111101110011110111

001010111111001001001111

1111110110000100011100011110101101110

0110101001111000110101010100111101101001

111100011000

10

000011

01000010100011100000001

00000

00101011101100000011111000001010111000111

00011110110101110100001000101110001

0110101

0000111010011100

10101001110010001001110000

100000111001011011111101

1011111101111001010001011010011101110110110

1

001101000

0111010101110101001111100111011011100

00011100

10110

1111001011011111010

10111110000000010111111101101110101010011011100

000010000110110001010000010100111010

1100111111110110110001110111010010011110100

1

1111

01001011000110011011110001100111111110

0110101100011011010010101

0111011111101101100010011010001011100

11

11

01010111

10001100101011100

00010101010101

0011000111110000101001

011011010000111011

11101011111011111111

111110001111010101001111100100000101000110110101

0001110111000101110001101

0100011000101111101110101111100100111010010101

0000100

100000001100011001011

00

0101010001100110110

0110011010110110111111110011011011

00111101000110100100011100100

01000000001011011111010000011

001010010

0101000111010000100110111101010011010010000000

100001100110

011111011001010100101011011101111111100110010110

11101101010000110

111101010011000100111001010100111111

10010000010101001111101011110011101011111100

01

000011110111010011101110100100010

100010001111

1011110110000111110011001110

010111001

11001110011110100110101010000

11100100011011101101100001111110

11101101

0000100

111010011001110

10

011010

01011111111101010101111001111001101

111100110000000101101010111

00010101000000110101111010000110

01100011001000100100011011111010111010101

101010000000111010010101100

010100001111010111

1110111111011011010

101111011100111010110111

1010010100101100

001101111011101101

101011001000101010000

1011110001001111011010100

1001110001010010111100100

01101011000000011111110100100100101

1111100100000111111

11011001110111100101101011101100110

101

0000010011010111111101011000101011

11101111010001110001101000001100010

0011110100111101111011111110111100101101

011001001001100100011011010100000110010100

01101011101011011001011101111100

1011001111101101110001001110110100000001101111111

100100111010

001101011100110100101100110110110110011

0011000111111010101001

0

000011

01000001001001110100111000110010101110111010010

1

00001101001011001001110

010001

1100101110110101111111101100101100101001

010011100000000000011

11010101011011010101

100001110101011001010101100011100010011011

000111100101011001100010

11110001

0011000101000101000011010000001100011

1111110110011110111001

01101000010111

10101110110

001010000

0011111010100010000111101011101010001

000111100000

000101010010111011010011101

001000110110110110001000011111011010010

011010110000011100111111101101000

1100

1100001011110110110000111001000010110100110

11001101001

00000100010111000101011101110011000001

110011011111

111011

1000101001001010000100010011001000

110111111111

111111010000000

101010010

010100100111

001011001

01101000100001010111110011000010

00001111010001000101011111

1111101000000010101101010110000001110110001010

001111011100100001001011101101000111

011100100111100010

00011000011110011

1100111110010101110010110011000100110

0100010

000100101100111111100010001000001111010010

0011110000100101111110101100101001001110

01110101110011

1101000001101

01011000111100111111

11100100111101011101010001100101000001111

0111000001110000011111

10000100

01101110

110

11010

11011110111011001

01100000100110011001000000000010001011111101

010010111

110111100

010

01

11011100110101110111110

0110001100100110011000011001011001110100101

1110111100101001001010010101010101

00101110010000010001

1111011011010001111000001001010100010100100

0111001101

0000

101010101101100110100100111010111101000010111

0010001010010100001101000001110110110

1100011

0011011100111011111111

00111000001

1111111101

10011000100111001011001110101000000111100010010

0001110010000011010010000101000001

01001010011111100010001000101010010000000000000

10011100101010101011010001110111110010101011

01010011000101100100000110001001000010111111100

01011011001101011111100011001011

10101010001111100010100001000001000010011000001

0101101

00

010

1101001110001100010111110001110111100100110001101

00011100

001000101011001001110110100010

110111011000110011001001100010

00010001011

111010101010

01011101111011001000101

110101001101

0010000001010

100000110000

00110101011111100101111001111

10011101110001

0011000011011111000010111001

101100000010011011100100100101101

0101111101010

10

111101000010000100011001001100100110110100

0110000010110001110101001101010010100111000110000

111001111

01011011011010000111101011111010101011101000001

1011101

101010110010011010101111010101

01010000001001110110111011111110

100010001011001110001110010000101000001

0110001111101110010001100111101011000011111000

0001000100100101011000000011

1000

010011110111100

1010011011100

1111110110000010011011001110000010110010101001111

0010011000

01

111011010111100110111101001100110110001010110101

001110001001001100100111011

110110

011000010100111010011101111111

11110001010110101011000101101011000101110

01010100010100000

1100101001101010111010101111101100001

0111101001111111000011000011011

011001

000000010010111101111111100101001111111100111

10110001111011011000011111001111001110111110

100110111

00001100101

00111000100101

1101000

101110

11110101010101010011100110111101110100101

0011110010101100110000

0101101000100111100010010110110001111011000001

010110000111111110110011110110000

01101

0001111

0010

1010111100000100010010110

1110

1100000001000010111111000101

0111100001101100

110100011001011

01000101110111100111010010

101100011011010101101011100011100

1010011101110

101010001111110100000001100

101010111100010010000111110000010010110101011001

1101101100001000010000

1100011011010101010100110111000001001101000001

000011001110100

1000111110

11001100

1011111001001111

0011010011001000010000000000001010011110100

11101111100000001011011100011011011

0001010000001101100101110110111111010110100

10000000011110000001100000111010000010100

01101000010101101010111111100111111100001

101001111

00000010100110011110

0111101000100000110000000110101011

00000100100110001101001110

11001000

110011100000011110010101010011110111000011110100

011100011010101001000010000

10

11101110000111

111110000110001010

110100100110000010011100111101010

0101011010111101100110

01010011101001000110010010

11011101000110111100011011010

1011100100

100010100010011110110011011011101001001001

001001111001000001101001111

0000000010001100101010

000001011000110110010110011110011111001

011101001110101

01101100110101011001110010100

01

11010111001011000111001100110

010000010001001010

10100111010110000001110010

00101101100010000011001100011010

010010100011101001

011100111100

110100010001010001101100010000011001100110

0111111001111100111000111001101011101100111

11010100010101010000001010101

10101101100100110111110111010001101110010011

111001101111011100001010010101110

010111100111000000001010101111000110001111011

1110001

100100111111101

010100111001111110101110

01010000101100000

111110

11011010

010101000101111100011111101

0001110010100001011

1010001001010011001111110110001010011111

1110001010001101111101101010

101000011010110011101100011101101111010

000100100100001010001110010111

101110100111000

01111011001001001110011101110000010000111

1001010011001101100011101110001000

00100001001100111000110111011110010001100

10110111110110

11010111100100010101110100001011011001001

00101001010010111011000

0001

10101111001111100001101110

0100011

1110010000101011000011101

100101001010100101100100100110101000101101001001

1111000

100111110111100111000010011001011

0001001111010011111010111111

0110011101010110001011000100010

00000000000100100010001000

11

10

0001000000001110010011000111001100110101110

111100000001011111

10101000001111110001001110101000100101111

000101

0110110

10001001000011111001000001000000100110000101

0010011011

0111100011101001011000111110101000100000

1001010100010100111101110011011110110

11100101110110

1111110010110001011101010000000100110

010011101

00011101001111000001

11111001100100000001010110011011000110

100001110101000010110111001100001011001101101011

101001000100011011010010001111111100001010

01100100011011001

0100001110110101010100110011000001

00111011101100010100011000011011000001

1101101111000110001001101100100010110

001110000110000010101100101111110110110100011110

00011010100101010001011

010110110010100101010010000111101000011101101

10010110010011011101101

0110111001111000000

1111101111010111010101111110010

1110000110110101000100010

11

111001101000110111101100011100010110010111111100

001000110011000

0000101010011

101110100110

00010101011101111100011101

1011110110001110000101110101000110111110111111010

1011100111000010100111111000111101010

1010100110111101

00001011111011

00100001000010111010101011010100111101001000

00

000100111110101100000111

0100011101100011110100101101000101

001110110001010

11010101100110101111110001011100

10100110100100000010101000000110000111111

1001000101101000110011001110110010111101000111011

011010010000000111110101010000101000110

101110110111100100001100100111100111

010011011110000101100101000101010001110000111000

0

00001111110100011000

11010100000101111100000111101

110110010101101101011010000101001100001

0101111101000100010100111011011010

101001

010

01000111010010010000001011000101111

1010000110001010100101000000110100

1011000011010111011100110

0100100110101100011001

101010001001000101001001011011110011011000110000

00101001101011010011110101101

1

110111100000011011101101101111111110110100010011

01101011001110000000

10010100010101111110001100110111

00

0111000000001101110010111110101111111010000

1011001111101111101011011

110001001010100101

10100100010001101110101011

0011011000010000001001010110110001

0100110101101011100011101011001111101101110

100001000000001010111001010101

1

01110111001010010100011100011

01000011001101001

0101000

0

01001101

010100100111001100001000010100010

01011101010010001010011000001010

10000001000100011100011

100011110111100001

110010001010101111010100110111111010111000111011

1100

11100010011110011001110010101101100

01110001110100111110001100111

11011110100110011111001111

00011110111111100011111101101

0101110000110010100111110001110110001000001010001

111

010110111001

01110011111100110110011100110010

00100010110101000110101010011001100

100110100000110010101010111110011110001100

011001001100101

0110111001010000010101111011010001100

1011101101100011

0011

000010001001111100100101101010001101

100101110101001001010

00011101101100000010100100011111100

0100011100110010110111110111011000000101011

011000000011

010110110

1101000110110100100101010110101

11001010010011011100101010101011110001

110010

11110101100010101001011101011

101010010110110111100101111011111000100000010

01011101111001110

101001100000

011110011100010100110101111111010

111101000010001000111100

01001101010001111001

0100111001111110111011110001110101001111010000

011

11

100011100010110101001000111001111111

10110

1010110001001001010101011111001

001011000010110101011000101001001010110001

011111110001011011

01110100110010110010101001010010110111100010011

0101100100011011010111

011100100101

010101111

11010100100101011000001101010010111001011

10100100

11000010110000001101100000010111110110001010

10001

10001110001100001010011

010011000101011011001001101000

010100110110010111100110001011111100111

1100000100010111000000011111111101111001

1100111011

000111101101110000010100001001010110

01101001011011010110010101110

00111001010

00100011110

1100011011011001000011011

10011111100110010100001111001000010001

1110011110101101010001010010011100011110001111

0010011011101

00

11011000101

11111110

10001110111111010101100001000100

1000001001111000000000101

110101100001110111100

00100

101010011

0001101110010001000010011

10

001011111011110001110101011111

010111100110011101000100000011001011101001101011

1101011010

10011101011

1

110000010011101111000111101

00100001100011100100010001111101101100111101

11111100011101101011011000011000

01110010

000011001101011101001110101

0010100011000101101010000011100

0100000010001011000011

0001110111101

0100111100110100111001111000

11

10110001111111001111111010111001101001100

1010110001010001001011010111110

10111011010011100

1101110101

0100010001011100000110000101001011

00

0010101011001010

0010000110111000111100110100000111

110101010111

110110111111

1010000101101000111011001010101111111100010010

1110011011011111

0101000111100101110111101111110101110100110

001011100111000010001011

11110110011011110000110001000000

111110111000100001111110000000010010110

0110011

1111010100000

01010110110001000

101100100011100000011001010100010101

00001011110000110000001101

110011011101110001010011111110111011101101000011

100

1110100111110101111111101010010111110000100111

00110011001010110010110000011111010000000110100

00011111001001100001011110111111110

101001001101111111000110110111100000

1101101101110101110111010001000000100011011011111

1011011

101011110000001000100110001001000111110101100

010101010011111110011110110111011101101101011000

1011

0101001100100001

110110101110

10111110111000101110111101000110101101

111101101001001000010111010111001011

0110100111111110101110011001000

011000100001101011110101111010001

00

0100000010

1

0100011001110101101011010001110011010

00100001100101010111101101001000011110100101010

01010010110111111

01111111001100000000001010000

11010111001011010

011010000101001100100000001111100

001010111000111000100010001000111101001

010001111010011000

01111

110001000010001011

110100001101111101

1110001101100101000010110011100100110

000000000010000011101010101110

01010001010101011

011010000101011011101110000110110100100

01110100100101100100110001000

1010100011010100111101101101101

00000000110110

11110000100101010100111100101101001111

10010101111

010011001101111111111100000100001001

110010010010101000000001000001000111000

1101101100010111111111

1100110110001111001000100011110111011111101110

10100

01110101000111000111010010111101111011001

1001110110101101100111010010

1100001101111101000101010

111110111001110100

11000001100101000001111101110

001100011011110010110011000110

0010001101111110011100

01101111100110000101100010000100100

00

111010

1011101001011

0110000101111110011000011

00010101100011101100111000

111100010101101001100101001011

001101001011101001010100011000001000100101011

01

11111101111111001001110

001010

01100010101000101110001010000

10100100111

0101010000110001000011110111100011110000011

1000001110111111100111010000

1001101101010100111

01

10

1000111010000100010110101011

01101011000100011

100

0011111000001011011010001

1010001110010101101100110010

100111011100111111010011011101100010000011

11010110101000111101100000001010011100011

001111110010

00011101111000

1111101000110

000100011000111101101000111010101111010101

11000011011011100011000

01011010110100111001011100110001010000

0010

10011101110111000101100001100011110011100111111

010111011110100000110001

010010001011000000111001101000

011010000111111011111100000000

10001101111101111101101100010001

111101001011

0100110001011110010100011011101110111

0011001110110000001111

111011010001011110111100011

00011111111111011101001101101100

1101101

10101001011011100100011110110000011100111001101

10001010001010

0011100101010100110101101111001000001000001000001

0101011101001111

100100111111111001101101100

1010010100

101000111111100

11101

010111100010110000010010

110011000101100101111100100110

0011100010101101001101000100110000101110001100

001011010100000101001010001111001000110

0011001111100111111001001001011100100011110010

0101001

1101001101001

001100010111000000000111001110111111

11

000100011110110000001000000101111111110

00000011011011010100010101

0000100100001011000100110101011000000100000

010001001101110

011111110011101000110111100101001011000111

11010001111110111101101000000110001110010001101

1011010101001110111010

1010010000011111001100111101

0111

0001101010000001000000101000

0

001011001010100010010001011110011101101011010010

01001

010111101110111110000001011001001111000101

001000101001111

1111101001100

11110111010001101010100001

1010

1100000100001000110010010101010

100110011111111

10110100001101001010111100000010

11111

00

011111000001101011011001

111110001000

0001000101111011001011000101100100001000110000000

01100100111101111010011111

00110000111101110101100111100111011

111011110111101000010111110100101

00001111100101110111010001001100101000011001

100010110100110010001101000111010110101000001

1101110000111111111100

00111001110101010101110010101011111101010

000111010001111101100010101111100110

0000111000010100000

0010010001111010011000011101001001010

001100011100100110011001110000100101100000

00000101111111001

11000110101000111010001111000000101001

10100010110111111111100010011100

00100111100

0111111100010

01011

01010001010110110000100100010101010011010100

00100001100011010000000000000001110000011111110

0110000100011011101100001110101101

01011100101011111001000011011101010010010011001

101000

1111001010011100010011001001001001011110

001100001011000101001110011011100

01010011100001001000110000011

1100

10101010

00

1010100

00111000111110101011000110110000111111101011101

110101000101101010111

01101111001110010101

000000101110110101010

10110111100101000010101

0001111101111111111

010101000101001101

1011111100001000110100111111

0001111000110000110011010

0

1001

010000000101101010111011000

001100011111000000101001

001101101010010001000011001

0100010101011010110010111001111000

1110110010111000

1101100101001111001010100100

0111001101

01100001110101101001

11111

010111011011110011110100011000101111

1001110011100010110011001001

110000110001011

110000101111001

0010110100111010000111010100

011000110001100

1101

10011010

0000111111001110111000111

00100101000

0101100

011000010110

0011110010011011110010001001111101100000000

11101011101100110100000011100110010011

011101111101001101111011000000011

0001100111110001100111

01011010

1001000110111000101101001111001101101100011101101

0101010100111111011111

10011000100010000111110110100100001000011111

10100

1101

10000001011001001111

00

11

111001

10110001100110101111010110010111001

11110000001100001000010100

000110110011010

1100110110000

010101100100000

110111110001001001001110111111100

0001110110110001100111111010011011001010110

10011111100110010010010011010

011110001011111010101001111110001

00000111110111101

11

010010101000111011001000101000111010101

1000111100010001110110

0111100001100110010101000111

100101101111000101001011011110101110101

10100001101011000011

00

1101011111010100110101

0110010100111110100000001101001110100000011101

11100111101000001111111000100110011010101100

110101100101011111001101011111001011011

00101000110111110011

10101000001011101

01001000100001110100111101010100

00001111000010011100001101010000101001111001110

001110000110101100111111111111100011011101

11101101100110111001111010

101

100010100

0101111111010011110011

00010001110011000001011

0101100110001110010001101110000

010001001101

001010101100011100111100000

1110100001111011010100110001110001001111

011111001010000010110111010000010101001001100101

00001101000001000000110011111

00101000110010011111011

0001110010100111000001110000101110110101000

111000000111110110001111000101

11110001

11101101110000110111110100100000111001

01

11101111011001111001100001001111

10011110111110

100111101111000100000000101

011101

011100111101010011000110000100010100101111101

01101001010100011010001100

101100110101001

100011100111011011111101000001000100101

01010000110000000010010001001000101011110000

11111001010110111001100001010

0101000111000101011011100

110110

100011001101011100

010111001010110111000010001101100010001010111001

10110100001010001010011110111101

0101110111100

0010110111000

10111000011000000010000100000100001001

01001101001100111101001000

0111100110010100101010111101001011001110101001

11101010011001111000011110000010

000010000101110100111010101000111110111110011

1

110001100101001001011001011100

11101010000101011100100110010100

1000000001101111110101

1111011000010111

01

0110101100111110100011110011011010100101010001

0011011110000111111101111

011000110001001011011

101000101100010100

101000101101100111100100100100011110

0110000000001

1011

0110111

11000001111110100101011000111010100101

00000101011011100010111111010010001011001010

01011101100011000

1100010

000100111010001101

100011001001000010110000101001110101001100100

0011110001011011010110

001011100101011001101110111110

000101110110010011001011111101011

10000111100010100101011111111100001111111011

00

1110000001011101001010101110011000

100000110001011001101000011011111001000000

0111011000100011010100011001110010111

001

0110111000000100110

101

100101001110

0010100110110001101001110011111111001001

011011101110111010001110010

1110010011101001100101110000111011011101

111011110101100111010100000

100111011001110011000

0011101101001110000111011111011011010101000101001

01110110110110001

0110001110001

1000100101111010111111000

00100001111110011111110111111

10100100101001

01010110100101100010

1011011001

1001010110101110101

110110111111110011110100010010000000101

110

0011100000001110001010101011010100

001010011001

0000

001001100011100000000111111100100110101010010100

10011010100011101001000

11110101000001010100000101000110010011101000

000011001100

00110101001000110

011011011

1000100011010101100

010010011000001111000101011100110000

00000110111110011100110110111110

0111110000101101110011010110

01010010100110010010100010001110

1110011110000011001011001110000000

11011100010000110110100000

0010100110100010111

1110011110110001000101101001101101

1001

110110110111011

0110110000011100110010000000001000010000111000000

10101011010111010011101

10100011010110010110000110100111010000101010101

101011100100100110001111011010101010010

1110101000110100100100001100000100111

10

1011010001001111001100001111100111

110

1101

00111

1101111001001000010001001110010010

00000111011101000101110000101001001001

0010000111010010100101001

0110100110101010

10000111101000010

11010011000100010000100001111101

10101011111000110101101

10000101101000110110011

1001001

110001001

1101110

011111111001000010110111000000000101101011

1010111110110010001111111010001100

10101000

111101111010111

01110100111000110010110001000010001011100011

10001011111111001011

000000001000111010110100001111100010011

000

1100101101000110100001001110110010

1101110

010100100001

000110110001011100001

11111

100111001010101100100

0111101110011011110110010001110011110

1100110000111

001000001110001100010010111111

10011110

10111111101101000011110110

10

10101010001010001000100

011011100000110101000011011101111

011110110011010110110001010100001100011010011

0111010001010011111100000111

110110111

010110010000001001101000001101101001

101100110000000111100001111100101

10110011100111110101101100001010000011001101010

001001101001000001000001111010

0000011011110000111011101100100000110000101010001

110101111

1101100100100000101010001010110100011001110101101

1100011100111101011010001000111001011111

1100010110111101011001111011000100000111101

1010011010100110100110001

10001110101110111111100110010010000111100000

0110111110110001001100100010010

001000111001100101111110000001011111110

00000011100010111110101

11110011010000010

0000

0000100110100100

011001100110111100011011101011001100011001010

011101010001010000111001101101110111011100000010

10

1000100001110101100111100101011100010100

100000100110

10001000010101100101010

10100100111111101

11010000110101101010001

00

11111010000010111011111011100110001001000001

110001011111110010011

0000100111111000101011011000011100010111

01

000001001111011101

00001001111001001111

111110101000100010110

010011111110010000000010111000011

0100111000110011100101011101110010000

110011110100

011100000100011110110110

100010010001111011010001110110001

0001111100011111001010

1101000101010101011100011101101010101000010

01110100

110011001000000000010000000001101101100111100111

110100010011101111001100010001111001010011

0011000000

00100101011101011101101010101011001110101110

1011010

011110100000111011010

0000111110101000111000

1110010100110100000101001000111

01100100001010111100100110110010000

11010001101000101010011100101011110000011101

00111000101100111001111000101110001000111011010

10100000110110111110110100

0010

10001011010101010100000010

0

000010000001010010000100110010001101

001111011111

1010000100010001110000011

00

1000100000101111000010101010100011000110000011111

11100101101011100110100110100

0010111110011110110101010010110110011

11001110010100011111001001001000101000101110

1100000001010011000100101001001001110110100101

0011100010101

110

111101111110111000010000

11011

01011001000101111011001001100000000101

101001110111100010000100000100

1010011101010

111

01

111010111111010000011010101000111000000

001100011100001011001010100001111111101

110100110000011010

1101010001100

001011

110001101110110011110000010

11000010101001001101000111011011011101

1100111100000111100100110

100000111110110000000001100110101100101010001

0010110110010111

10011100101011011101111101001011010100110

0101111011101010

10

011011111111000111110100110

1000010010

101011

1010001001100110111011100000011100010001110111

01110010100011110000100

111010010001000001000110101

010110011

001000

001100001

000101101000011101110011011

1

111100101111001101111110111101110000110

101010000001001110000110111001010

10000010101

10101101100001101111011000000110011010011000

11100000100

11001100

1010110001101011001100001011101

0011000011111100

10000001011101100101000100100010100

10010100011101110

10011111100110111000010110101100011100

101010110100010010

0011

10101011110001001101100000111

1110

101101

0001000011100110010100101110101111110101100

0101000011101101010

00

0001110011110101011110111110001

1101101110011111010011

11000010010110010

1000111111011010100

1011

0110000110100101010

101110010010110100010101010011

10001111000000001001100010101011101011101111010

101011110001010001110110111110010110000

00100001010110100011010100011111000101100001

010001010001111100010110010101

00000111001000011101100

1011010100011101011000111000100001000101011110010

10100011100101100010101101101100

100010010001100111110

100000011110101100101010111101011010

1101010101011111010101001000

1001111000000010110001111001100001001101100010

101010001001000101

0001001011000110100

001

000110000011010010011010010000111101001100000

1000011101100000101000101110010001101110

0100000011110101111000110010001000110001011110001

11100100000010011110111001110101

010111000000100100010000100001

1010001000101

01101111010001010110

1011001100

011011111101101100011110010100100101111101

00100100101011011001101101000

11

011101

11010011

010100001

01000100010001100011

0010100110111011001011101110100110110010111000

01001001001011100010010111100101111010

11100

0

100100000111110001101001010111

111111110010101

010001101100001

00100110111111010001111010011110

0

10011011101010100000100101001101101

1100110

10100000010011100101110101101001

10111010000100000101000110100

1000100000110111000001110011000

001101101001000001111000110010010011

100000001111000000100010010

11001001111101110000000010101101

101010011010

011001110

111001100011

10011001101000101

0111000100001

000001100111

10000001000000101101

1100011100010001000000001110101111110100000011110

0101100111110000001100100010101111

0110110101011011100

001111010000011100100110000100010010

00000010011000100111101010010010110101010111000

101110100001110001001000011

111001010000101100010

111110011110110000111100000111111

001011010101010111000011101

00001110010111010110101000011110000110111001100

101110

010011011110101001000110100011

101110011001011000000

1001110010111100101011001010111110110011111100101

001110000111111101010111100

0101111110101000010000000111

101000000101111001011010110101111

110001100000101111010110

101

011

101101111110

000100101111001101111110001

0101111101000001011001011000100110010111

10010010111

011111100000001000101001000101000

01

0000110010011101001000

0001010010

000011100000101011100001110000001111001110000111

0100111101

00

10001111010111100111

001101001000101100

11001100111110101101110011001111111110010111110

0001110000

1101100111101101101111000110100000000011011111

001100100010101011000

000010110000001101111011110111110001

11000001111010100011010010101010001011111111010

110101111111010100011111001001010100111000

1110110111

011010110000101

0011101100010001010000010111110

011

111

00011100111110000000101000010000000110111111

11100101100111100100010010100100100010000111

000110000000101101101100

01

0110010111

10100100011110101010101111001100110101

110000110010111011000101010

00010111011000010100110100111100001010

1100011

110

110000010110110110000101110

1101110100111001111111011000101111

1011111001000

0111111110010010110001101110

1011001

01000011000001100000001101101011101101111000

110111000101

01

10100101010111111011011110100100

1010010001001101000111111100110010

0101000111000100

1011100001110100

10

1111010111111000010001110111011110000001

0011000100001011110001111

1101100000

1101100001110000000001

0101111011000110010011011011101000100100001000

0111010011010000001111011011010111011110101

1111100010100010

00010111111001011111011110110001001101

1111010010000100101101011101

0010111010011111001001110010011100011101

01011

110111100101000001000001111011010101101011000010

0010001110000001001001010111100010010

001000011100001111010110010111111011100110110

10001000111001001101110001110001010011

0111100110

101111100110000111111011

0011010100010100010110

0010001101100101100011110001011110001011011011010

01000010100011101111100

011111110010010100011100010010110101000011100

0010011111101110

0110011110011000000101010000

00111110011110011111100111

11000000000101100111011111100010111

1010000111011010011110110000000011101010101110

0000001010000001101000001

11100100101

010000100011010011

0100100101110000110000011101100010

01000001

110001000001001101000

0000

011001110

0100010001100111100000010101111111111111110

01011000110

010011111100101001101111111110101000010101

0001111100111010010000

1001111111

100

10110000001100100100

1000010110

1111001010101001011000100011000110101000101

011000001011000000

0100001000011000110100

00

10

100111111

0001010001

01000100000

110100000001101100000011111101100

01011010001010001111110001011

001010101111010111111110011011000011001011101110

000101

0010100100101110101010

101000101100

10111101110000010111010111

10001001011010110100

10

1110110111

1110010000111110110111011101001010

100100010101100101110101111110100

11001111110001011111000100000110000000000

111101110111110100101100000100001000000011010111

01001001

110110111100111011001100011100001011

010000101100101110000110110011011

1010111000101101000110101110010101

101100101110000

1010011111110110010011111110000110

11100110100111000111010001011100110010110

1110000000000101001101000111111011

00000010100001101110110011100

0000

111110011010101001011010011

00110101011

110011000000111100

00100101011000101

1001010111110110001101101

010

100100100

01101000000010100110000100

0010110111011100111010

00001101

0100

101100001110100001001110111001010

100010111001101000000101010000

00111100010110010101101011

010

0110111010110001000100111101

1001100010001101110111101101111001101100

011111101010010011111011000100001100011001010

01

10001110010011001111011101111100100010010101

0000000101101011001000010001101110011010101

1011110000110111001101110000000111

0100011101101000001001000

0101

0

1001010111010001000110000010100011001111011110111

00

101011010100100110101101101011100011101

10011011010000100101011010111010111000000

1001111010001111111111100100100010

1101100100001

011011001001100111011010000100010011011010

0000101000010010011110001011100010000

1110111000101111001011010111001

1001

101111000

1010110100010011000100101

0000000110010110

0001

101101000111011

01101011111011001111000001

10011100

00101110010

0

010011000

1100101

1101111100101011000011

00000

1100100001010000100001011100110001010101

1001010110001010001011100100

10100110

001000110010

101111111000101100111010000001010100011010110001

00101001000101101001010001

1001001110

0110010011000000011101

100110

1110101110110011101010101001

001100101010000001000110

0110001010011000110

0000100100100000110100

11110111001000111110011110010010010001111111100

11011101010101011100111011011

001110100000010001101101101100101101

011100100101000111010000101

0010000011011101110

11101100000010100011111110000011111

110101101111011111

011001011101100101110

0

10000001000101111011111101011101011

001011000000101

000101111111001111101000100001100111010

10011000110111111100100111

1110010101001

1101101

01101100011001011011101100000001001

10011001111110110111000100001001000101011111

00101101110001011110000101000100011001010

101100010011111

0000000010100100000001010000

0

00110011110

1110111001101110100010101111011011111100010110

01101011111110010010100

11000110000010111001110010111110000

001111101111100111110100010

1111101011110011011001100101100010110111000

0010110110000

10

0101000001111010111100000010111100000100100101101

111111111110001

00101

110001101

11101101101011010111001000010101001100111011

1001100101

00100010101001011000101110010001101000101101

11001

101100110011111000001100001110000011110111110000

0001100000

011110100000001001010100011111111011000011000

001001011100110

1110011010011110101011001100110001111

01111100101101001

1101111110110011111100011111111

001000101000010001010001010110111001110111000001

00110110001010110111001001

0010001

1010010101010000100110111011

0101110000101011110

0111101100

0101100101001011000010111000110001001001111

10011100011001111001101101000110010

1100011001000110010111011011111111010111011

10111110000100

1000101101011111110111110

00

01

000101

1100110011101001101110100011010100

00

0111111111100111

01011111

01000000110010111110101010000010101101

0011111010110000110001101

0001110

110110110

0001111010010101011100000100101110100001101

0

011010101000001000010011011

10100110111101001111101

00100100001100010111111000011000010011000010

101110001010010

00111100111101

01100000011110100100111101110111110110010000110

00110000011000110100101

10010010001011110

1011

11001001101111001100

0101001010001100010100101111110010000

000100011111100001000

0

111100111010110110011111100001111000010100

001000

00100111101101011011100010100101100

1100011101010

10010010001100100101011011101010101100111

0001001100100

001101100110001100010111011110

0001101011000101011101001001101000011000001000

000111001

10110001101100011000010111011010011010011100001

011

01100101111101011110010010001

10001101111111100001

11011011101

000110110111000100001110

0101101011011110110101

01

00101011110000000110000101101100010011

10011111111000001111100

11000010101100111111111111111000

00100101101100101111001111011001010

0110100101110010101101111

0100000010010001000110001001111111101010

01111011110111000100001010100110001000000101

11101001001001000001100010000110111110001110111

1011011111111

1

1101101011101101010011000

0010

01100101101001000111110011100001100110111

001111011011110011

00100111100010111101010001010101000110000100110

01

1000101000010011000111001010010100110101

11100011111010100101011011110100101111

100110111010001101100110000011

00011000111111000001010111010111011101

0111110111100100011101110101100000100

011001011101011011010101101111001111100000000

1010010011110010000100000001111010

000000101001100011101111000111011111101101100

01010010000001001101010111100100100110110010010

001010110000000001110110011100001000110110

010001100

1100111110000011010

01101011010000

01111001011001110110010011011

10101111100101

00101101011110001100001101010110100011000010

100100001001001001011001110

11100101011001111001011010110110000010011010

00001001101100111011110011010001100

111011001011

1001100101000001001110111010011111011010100010

0101101000100011110000011111111111

10000111

0001011010011

01

0100001111101110101100000000

11001111100001001010010001010101100

00011010111100001000010101000111

010011000110001111100110101100010111000010

00110100110110

10111101101101001

1101

01101011000110000110110101010010000011010011

01101001000000001001001000000100001011

000110010011101111101111011010111010001010001

010101001111010111101

1101101111110

00000100000

111010001110000111001011100

01

0001101101110110010110101

1111100000000010011001

100011010111001011110101011011111111000001001101

01100011100

0101011111010100000011000

011000110100100000

1101100101101010001010010011

111101111001110101100100011000

011100100100001001001100000

11010101000011100111011100

100001111100010000000010111000111101100011

1000000010

1000010011000111001001111101000011010001111

00

011111001011010101101110011110000111

1011010010000011000111100011011001001

101

111111010101101001101111111101

1000101

10011100101101

11100111010100011010

110001010101110010110110101100011

011101001

11111

10011000001111110

011101011101000011011011101111011100000111100

011110000100000110011101110

1000000111100001110111011001111010111000100111

10

1010101010110101110001100011

100111

0100101100100100010

100011

0011010101

011001

1101

0101010

10000111110011110011000010010010011010

010001101000000110111000

000

010011111101101000010011100001111000011100110111

001101100010100

1001101110101010011100011

1111101101111101100110001100

0010010011101111001010000111110111100111

0100000101101

01010000000000000101111101010111

100111000100111101100100111110011100110101100

0010110110011010110111110100100101101

110011

00110110001001001

110000001011001100

10101001100001101001101110111001101101

001011000100

1100100110110011001

0100010110011010010010110

11111110010011001110100110000101001100010

0010101

000110

101010110

1

11101101110000001010000000011011011010010101

01100011000110100011100110110000011

1100110000111101101111110101111000010101

10001101110101100100011101110000101100110000011

000100111011001001110001001101101110000

011010011111111001010110001010

100101010101010110101011110111001001

01111011010000101000

00

0100000001101111110000110011

00001010010000101011001010011

1111001101110100011011101000011100111010001110

0

01

0100001101011010000110001110001001010

1111001010010001011000

110001

00100010110101000011101110110111010001000111

11100110

1111110100101100100000

0011101100001100001

0000

0001000000010111

011001100

1

010110010001101111000110111100111000001010

01100000110001101011010011101110110

1111011100011000110100001

01000000010001100010011110110011001100110110

011111100010000

0000001100000001011111

011011000111001100001101101000101

00101000001100010000

1010110111101000011000110

10000

0110111010010

1001110000100100000010110010101000110100000111000

0100

1001101101110110011110001010110101110100011

01001110010111100000

0111110001110111100101000

111001001110011100110100010111111111111

0

00011111001

110000011111100101010001001

00000111110011100100101110111001001101001

10011001101111010011110001110001

00100100110

101

111011001011110101100000011101011111100010

00111101010100001100111111000

111000110001010011000101000010000101

10000011011001010001010101111001110001011

1110101000000111011110101111100

01

1101

0011001001011111

00111011101011000010001110101000101010

0010

010100010001001100100111001011000110110011011111

11000

1101000101101000111100101011100011001100101011

0010100000011001100000110010001100001001010

10101111011111111110110111010100000111010111101

001110101000001000000100

001011000111001001111101111000111111001

00

1000010011100111

0000000100101111101110101001110101110001000001000

0010010111101111000010010110000110101

100001000100001111111110100100011110100

00111111110001000101110000100011011111110011

00001101011110000111

1111100010010100101101000010

0111110001010

0111101

10100110001101100010

11011001011110101111011

1110101111011100100110010010001010101

10011000011001010101110001011100111110011

01000110100100101010101

0001011000100101101100010100111100100010000

1011111000110101011011000100010110111

1001111001111010101011010111001111010

10010001010011100110111011000110001010100010

1000110111110101111000101001111101101111100001011

010101101110001010111111011101000011011101111

0011010000

00010011100001101111111011000100011001101

10110101011100001100

11001101010001010110100000101110110

00

11110100000010100110001001011001001000000111

100111010010101101100

01010110010001

00010

10111000111001

0011110101000

11101110110

0000101101000011000110001100000000000010

000011100010111010111111100

011001100100100110001101010111110100110101110110

00010111011000

010

1100111010

11

01111110000100001001100011010100111100000110

00

01001110110001000110011100

1100111

111

010

011110000001010010100111110000101100110101000001

10110010010001110110000011001000

11000101011001101111100

01101001110011

11111101100011111010010100000

11101011000011011101101101100011100011

010101111000011010011101010110011111110101

011100111

1011100101010000

1010011110110010011010

010011010010000111101110101101110001

00101001011111010000011101101100010010101101

10

000111101111000011100101101101

00000001100111000101000

011010011011100001011100

1100000000010001001010011101011100101100

0000

110011101100101110000010

01

00

111100011000100

11110000101011111101

010111010111011100010110110011010100100101111000

110000110111010101110100

000000110111010110101001101011

101111000010111011010001100

0010100111010110110001

11010011101110011001111010110111001000

0110111010000110110011010111000010110

01000001011110101101100000001111111001011

0001010000000111101011011111100011111110110

1010010010111100011011000101101101110

000111001111011010010111100110

111110011001010000100110000

1100001101011010101101011011

0111101110

010010011101100000111100100101111

01100000001000011110

1000010001001110110011100111011010010011

011111000100110000000000111010010

101000000000110010010011000101110110010011100

1

1000101001001010111111011101010000111110010111

001110001000111110110010

1111000011101111010

1111

010101011110010100100000011011101111100010

000

0010110001100011000000

101101100111

0000000010001011000001100000

0000000001011101101100110111001100

01000111010010001110101100011100

010110001001001100100100111001

01000011000110000010001111000100110

011111010100001111101110011111101001011000

11011011011111

0100

110111010100001

000001111111011011110101101011111111000100100

1001000000110000001101001010

1101101011000001010110100

1011100111

1001111010100

1101110000000101001010000000000100010101101

000110000010011000010010000001010001101000

00000100101100010101

000111101101011101100

1010101001110000010000110

101010100100111

0

001

11010111100001101

010000110001100100

0110

1100

11111101000010010111101100011110111001001100

0010010001011011111110100

0111011100100110101

00

00011001010000101111010101001101001100101000011

010010100

10000001001010011111110111010111011111001

101011111000111111001001011001100000110100

0101000

101110011001111001100001100100010110011001100010

10100011000111100010110100001100101011111011001

101011011001101110001111010

1

110110101

0110010100100110001100110110

0100110111001101011101001110100000010

10110100001001010110101110010111010010011

11110001001000101101111101110111100

110101101010110110000

01001001111

0010111000111100000001110000110111001110

1001001100110100000101111110001110101110011000

11

111111110011110001001100011101

010001000011110100011011110110001101000

111000001110100001111100001001011100101110011

01000000111010001011000001101101101011

1000100100

00101011011111

1

0001110001011011110110111110110010

00011100001011101011111101010011111100

01000001111011001100010111101010011111

0001110100110001011011

101000110110101011110000101010

110

0010110001110010000111111100010101010111

011100110010011001000000110111111010000100110000

01111010

1100000110100000100010

000001011

00101110000

011101001110001100001000111111110010010110110

110101010101001001001001100011100111110111100

111010010000010

000000111110010110000001100011000110

101100100

011010011110001001011110100000110

1000100100000010110101111011111110100000

10110111110111000001100010111110110000110011

110100110101111

1101110010110111

0000001110011111111001001001111000100

0100011101000110011111111110001000101100110

0110110

010010101000011011110001000110101001110001000

110100110000101000100111100000100100000

01

101000001001000101010100011

111110101

11110

000100101110100110010011001000100101110100110100

1010110001001100011010111000110000110000001110

0000000000111101100110111

011

111001000100101011010100000101011011100000110001

000001001011100111000011101110010

0101110111000111011110000001000

0

00101110010001110101101011100011

000000

0100100110110

001001110010111111000000

101011010001111011010011

011111001001000101101010000100100

11001001100100111000000101

0100111100011111001001001100101011110

1010

010000101111010100000010101

11

101010101110001001110100010

1100111

110101101000100011001101000101111110

1100100010011110000

00100100100001101101

10000100010110

001100111000001111100011110011001110010010010

110100001000010010101101011

01101001110100111000000

01000010100

00

1100101101

0011111101110000011100110001010011010

0101110111101011010011100011

00000001111110110111000000000101100

1001010101000

111010110111001000011000000000000111101000

1000001010010011110011

0101010111

11111010001111

1001111101011101001001001101110010011000010011

011011100111101011101100011100000011101110101100

10

010010110110010101001110

0

10010111001110001101001000001111110000001

0101000101110001100111000011

001

0001110111101001001000001

100100101100

100000010111010000

11001011111010101001010000101101101001010111

11001001000101011010101111

1111100101110

0101111

110101001

0000111000011111010011001100111

001100110111001110

111001111010101001110

0111

101111101001000010100

0101001000011011100100001010

0101110010101101001111010000101111110111110111

0111100101010010111100001111

0100100100010111110

000111111110

0001010000110010111010100011110001011100001100100

0111011100000101011110011001001011

1101

000111110011

01110110011000010110110100000010011

0010000001011010001101001000

11101001101101001111011101001110000111010

101001011101101011000011011000001000001010111

001110101010000010111000

11010110

001000101111000111100100101111110010100100110101

100000010000001100100000110011111110111

1000100101011001011

0001100000011

001010011

00110001010110100101000101111111100000100100

0101010100

0

1001000101001000101110100001101010101000100011

1010011010111001110001111010111111110011

111101101011001000100001000010101001000110001000

1011110000000

01000010110000

11101100000101010101010

100001011011001100110001001

01100011010100011110101000000

1111011111010100101011101100

10101111000000110111000000100011010000010011110

0000000111001100110011011110

011010010100111000

00010001001111110010

1011000111011111000111000110

01011110000000010111111010010100111

110100101011

0110000111101001

0000000110101101101011110011000

110111001000100010111011000110011011010

10111110101111010110

0000010000110101011010001011010001100000001011000

1001010011111111010000000

1110

0010001111000101011100000011011100001011101100

1

1111011010111101001100111011010

0010011111000110010101010101101

1011001010110000110101000010001001000000101

00100000000110101010001000111111011010010000100

010111100111111

0110001001100001110010110111

1000100110010100010

0001010100010100111010010101

111001110110011011010100000000011100

00100000001010010111001001101001001100011010

101000011

001011100101001000101110001110

000110101100000110110

0011011100010110001010001

00001110010010011101001110

01101111011011101

101110

011111100110000100

1001000000001101010

110010011001011001111110001

00000010011100111011110000100011000110001

011100110

00011111100000101101000001010

111011010011

10

010100110010101011011100000100000001

10

110111001011011101001101101000100010111000001

0011100101011010100011110010110101011100

01111100110100011110110110000100101101

000010101

0101011000101

0000010111010011001111010010001011001000100000111

0011110011001011010111001110001

1000001111

000110011110000101

011001111001011001110001000001010110111011

001101110101100100001

00110111010101111

101000100110011100001111011100101110111100011

00111111001110110

01110001011011111011110111001111100110000100101

001101110000100110111001110010001001111010101110

10010110100100010100101111100101110001011010001

011001111101100101111010001101011010001

1010100100001

011110

11100100100101100010011100101101001110010110101

11100110010001010

11011011010110001101110001110111

0000010001000011010

110010010000010011110001100

1110000100000001111000000

00

1

00

1111110111110111100010111100110110001011

1011

01101111010100010011001111

100001101

0111111010001011110111111000100111

1111110011010111111101110

110010

000101011100000001

100001

1100100111101010111101001100100111101110010000

00010001010101011100001000111111111110100

001100101100010

1100111110111001110100010000

1001111001101001111000011100011101

1100011110111100101011111100001001010000110

000100011111111110110000011110100000001010011

0

0010000100100011111010010010

101100

11

0001000111100110001010110011011100

0000100010010110000001111001100010

011001

0

11010101010011101100011000

11110011011000101001001100010000001101011010110

000011011011000101010001111011000011111011010101

1010111110001

1101011100000001111010100101001011

01000110000001101101

11

0010001100101100100001111110111001000110111010011

0110100101010011101010001010001101111001

0010001011000010011110111100001111010000101100

11101100000011

0110001100

100100100101000101000010010101011110010111000

1

011100111111000000001100110110111

011111001110101110000000

11110100011011010

110101100011101110111010000111100010110110

0011001101000101111111101010111000100100

1000101111

0000001001100101001

11001000010011100

1011010001110101010111001

1011010110101101011101101011010011010

1010101100100001010111

0101111100000011101011111110010

100000001100000010

000111000111110101111101111

00110010000

10010100011101001100000101111110

10011101001111101101110111110

101110000100000111100100100010011

0101000110011111000110

10001110111111010100000000100

1110111101110111110101110111010111100100001101

0000110001111111010110

10100011001111

0110

000100100101100

10011001111001101100011

110000110010001011011001

11

0

0001000101010001101110101000011101

101000011000010010010

00111111010001110011011101111001000

000001000001101101011010000111100100000010110111

011

01101010001011100000100101101000100

01

0111000

1010110011111101100

1010000101111111110111000000101101000

01111111000001010101010111

01110110011110010101100101000011

00

100111101111010101100110011

1100001011010011101111100010

10100111100010001101011000000110000011101110110

1001100000110100110111001000001101000010110001

10100110001011001101010100

001000110011000000011101001110101100010001

10101100110101011011101111110110

10010111

101011010010110110111100101011100001011

01000111101101101001101111101100001100010111

010100000001010111101000100000100

110010000101100000110100

0001001000000011111011011011100111110011000

1101011110010100110111100111011011111000000110

101011011101011101110000011011010

00

001111101000110100101100111000110010100010

10

0101000010111001010001001111011000011

10001110111111010011011101001101

01000100000110110001010000001010001001110

111100101110100101

011110101110111

0001100001010101001000101100110010001001010100010

01001101101110001001010000000001000

1111101000

11101100010

0100101010100100110110100001011001010100010

1110111111010110001

1010010101

10

01101001010101011010110111000011100000010

1110111000001000100011111100010111000000

0000111011001000010

110110110101

1100100110100000001101101100010001010000001111

10111111110011001011101

001111101111100110110110

1101011111000110000000100100101001000111111

01011011100000011

10101011010110001000110001100100100100110011010

11110011

111110011100110110010010101111110100010100101110

101000011000001010011011001011

1011101110001010

1110000011111001100101010010101111010

00011110010011000011000

111010110001

1011111101000110111000001100011010100

10000110001110100001111110

0101101010110011110001011000000

000010011

011010

10011001001001111

0001101101010011

100111010

011100011001001000100101111

111001001011111

0111111000001111011111

011101101010111110111101110100101101011101101

110001100001110100001000010010101011100

1000011111011010001110110011111101101100101

00101111000111001

0101001111011100000010110001

111100011100100111000011101010

01001000010000

110000111001

0100010

000

1000111010100001001001010

0000011111000011000101100010

11011000010111011000010100101110101110

011000010110010000101111011010001010000011000

11010100100101011100111110011111001

01001101111110000010101001001000111

00010100101110001101001000001

10010100101100000111

000111111110111010111

001101011000010001111101100001100110111000100

0

0100101110100110011011001000011010100100110010101

110010011000010

0111100001011000010100111111100

10

10100101010000110100

101101010101110111101110100111

10110111011

111011010110100010111101101011010000111101011110

11010001100010001

0001001101110111110110101110

111000101110000100100111

01000001111000000100100100110110101

0011000100000100010000101

00110

1110010101100101110011101010000

111001110100111100101011100

0000001110000000111110

0111111001100011110000101011110111

0100011000110110000000110011101001011011100011

01111110111111111010000

01

10011011101101100000101100000010

10

11100011111001

01100100001111111011100110101

01010010110001101100111100011001111

000011101001

1101011011000001010111001000110011010100001101

0100010001010010110101011101000000011101111

11000101011011001100001

001100111110101011000001101000100110110100110

01

10011010100110111100000110100010010111000001

01110110101100001000000100101000

010011111010011111000000101101011110000

100101000011001110011000011000100010000110

110111100011010011010101

1000000110100101110000100111000111111110101000

1110110111100111111010101110101000001

01100111111101110110011000000111001110000101

110010101001101100110100001100011100000010010111

0010011

01010100011100

00011100101101001001110011001

101101011100111000111

0100110010100011000011011010000111101110011001100

0100001110010100101111

010001000000100000011111

01

110011010010100011110000110100000001011000

110001101111110011101101011001111

11111100101001111001010100010011001010

00101111001000101111100011010100100001101

011011001001111101011010101100

001101000

1001110101101101111001001000001010111000111110

011110100100010111

00011111100100001101000010

00100100010100011001110110

011000011101000010010000001101111110011011

101010100100101111101110111001000

001011110110110011000010011101110010

100110111001111110011000110111000011010100110110

11111110011001111

1000001010011010010111001100111001001100110

1111110011001011001001100110110010101110010

11010110001100010001011001110000101010101010111

1001001

101100100011110111100101

001111000110010110010000010001100111

000101111101000101110111000100010101000110

00000001010000000100011001111100001

101111101001000111110011101010

111000011001101010110111

10011011010010011001011001111101011101111

11011001001001111000110001000111000101111000111

111000010101000110111010001

110100000100

000010001110101111101001

00111001011000000100100101110100001111000100110

0110110000001101011100100100100110

1010111011010010100100110110010110001100110

110001011011110

00110

101111010101111000111111011100110101000100110000

1010111111001111100001100110101

111000100101011111100111

10110011111101110011110100000110

0110100100001011011110101010

1001101000111101011010010010001011111101

0101110100111111101

010100111101010100010001111

00110110001011110110101100

010001100101001

11010111011101111000010010101000001010

11010

0100110100011000

0010110111100010101111011001111110

00

10110101100101010100001001001

100001011001010110110000110101

0001111110110000010101100010010

000

0100100101001110011010001011101

0000001011001101010011101011111

00

100000100100100110101010111111001111001110

1011001001110000100111010000011000101100100111

011001

011

111011111100010000101110110110011001110000

1111011011110000010

110001111100

10100

00011011001010110001101

1111000010101000

1101

000110000

100101000011100110010100111110100101101011000

0101100

0111100001011111110111010111111010011000101101

0111001100000111100000010111010000100111010100111

11000101001110110111

0010001111101101001000110110

010011100011000000000101100011101111

0100001011111100000010010

00010010

1101100000000011001011001001011111110000000000

100100

011101011101111

100001101101000011101010001011011010110011000001

010110010

01100

0110111

101110100100

0011010011010110001011110110111000000010

0000000011001

0101001111011011110011100100010001111001001

1010101110100101001110110

111000101000000100111111001101100011111

0101010001110010010011000001010111111011000100

0011101110

01001110001111110000001101110111111110111

100010101010000110110111001011011100101

1000001111011110001101

0010001001011010111011100000011

0110111101

1111111011000110001

101001100101100001011011000110100010000111011110

1000100000110011001010001001011110

0100011100110110000011111111

110110101000111011

01000100110001001000

000111110000

111001011111011110110000111110000100

10111100111111011110001

01000110111110111011011011

1100

01000

1100111000011100101101010100011010011

111100100000

11101110000100001000111010100110110011

011101001110110010110

01101101110101011011001100111

10110110010001111110001001101

01001

0010

100110000111010

1011

001101000011100011000110

111010110101111110111011100011001111110101

011100011010010011100001110000101

001001001101001100000101000101101000

10010001010101010100000100

11111011010000110011101101110101011000

11110101000001001011110001011

011011010011110010100001100111

110011011111110

10110111010000111011001011001011000

0000001111100

11100101111011111001101000000101110101101111

11000001001100110100

111000011100100001011101000001

100110100000101110100101001110110111000

0100100000100100011000000101000001011110001

110100001010110101100001010011010000

10110

110001100101010100001

10001

1110010

10011100100101010001001110010010110001

1001001111000

11011001000010100100011101000

0100000001

0001000110110001100100000100010001100111001010

100101

100111

0111010111000101110001100111

001011111100010110110001111110110100110

11111

1110111010110100001111001010110110011000111

01101101111110111011100000011001001101011111

10010111110101001011

111100111001

001110101101000111101010010010111111

11110000000000000010000001010

0001100011111101110

1010110001101000001

10111011110001111101101010110010000000

01100101111101010000000000110000110010011000111

01001010010110100100

1

110110100000001011001100110011000110

1110010011

11000000001101011011111111

10100111100100000000110101101110000

10010100001100000011001101100

100100000110010000101110001110

00100111010000010001100

00110000101110001010110000111110110

10000100101101000110100000011

01011

00

11

10000100010010101011001

11110000001

00000001011110

10110111110011011000110101010010001111110

01000100001101111110010010011

10011100110110111011010001010001001001

11110110000100000011010011110101100

111010001101000010

0000111110010011101111010001011010101100001000100

110111010011100001001

10011111001001101010100001111

11111101110110110

011110111

110100101110011001100011110100010101010

001100011111110011110001011110001101000000001

010110100010011

010100110110001101000001011010110

11011011

110110

10

1010001111011101101111100010101110

0000111011111000101100001110001000100011

11

011000

01100101111101101101000011001111000

1100001111111111000000011100110010

10111110

01111001000011000001111001110111010

100100010011110

01011011011

1001001001100001010101001

010101111111000001100000111011001

01101110101100101

0011001011000100110110001110011000101

10101001110010

100011000100010111

01010101100111101101001

11101110

010001011100010101

1

0100011000000010010

1011110110000001000110111001111

111101110110001010100110101101

00110011101000100000011110110100101011

0100010010100111010010000010

00

100001101

010001000011

00110111101000110110101001110100011011000000010

11100001000

101111100010100110010

01111000000101111110010010110100001010

001011110111100011001

01010000111100101011001111000010001100011110

011110110000011111110

010010101011001101110000000010011000010

10001000011111110000111001110

01000111110111110000101000

000110010000010000101110001000001011111000011101

110010001100010101110100101010110001010101

0110110010001100011100101100011101000010111

011011111001111000

001101110001111100100010101001011001

1100010100111010100110111111011110101

011101001011111111000001

000101001110100101110011

0001110011101000010110001000000011100011011101

10111000011101101111100011

110001001110101

100111110010001001111100010000

011010000110110011010111101010000110001001010010

001110101010111000

110111000000001

10000001001001001000011001100011001

1000100010100

0111011001100000101011010111001100100100110111

1001111011111011000111001

00010010111000111011

1001011111110101111100001001110011011

110100011110110011110110111011000000001100000110

0110

11001011010001110110101101001000011111101101110

01011

000011001110010110

000001100101111110100000010010110

100111110000110100111000

0000010

10110101111010011100010011011100011100

1110010100100101101011000010001

00011010100010111

010000

0101010111111101100101000010010010001000

10110110011010010100011000101111

0110010110011011

000110010

011011101010

00111111101100000000111

11111001011010111101001110110110000110001

01110011001010000001

1000001001110000000011111

010000111010101101001111100010110110000101001101

1000100011101101100

011000001001010010001

001111000111110111101

0101101

1100111010010011001110011

111111111101011010001100111011111011010001000110

000111110100111110001111000

0111111111

011010010011110010110000011111110100101101110001

10011010

110011001001101111111110001

0111000101001010011111100100011001111

1011100000000111111001111011001011001011010

010110111

01110011110001101011011001111

110111111000001001101111000111

10111101001011000110111011110111101010100100

101011001100

00101010000111000000

100101010111010101100000001010101011001001001010

0101000000111011100110110100110011001100110

1111010110010011001101000101000000000001001101010

01

11110000000111001000101111

01110110001111101000000100000001

10101001011110011010111110

110110011110000

00011110101011111110

100

001111110011010010110

10111101010100000011110101111000110100000001

110011101111100101001010000101000010

0011100101

11

100

100000111011000111001111100011100101000010011

010

01111010011011011001111

11110

11101001101

001001011011010110010001

00

01001011111000

0100011011110110101111010001111111110010

1110110100111111010

1

001111110110101100111110001

01111101001101101101000111010100110001

100111110111000001111000011111

0111101101000101010011110011100011110111101001

0111111101

101010011100

001010000000

00100000

00101

110010000101001011000000100000101001111110111

1100010100010111111000010101110001101

000001110010001000101

0000101110100011001001010101001000101

1011100110000111111010

1011111011110010011111011101100010010010011011001

111000101101101001011010110

00111011000101100011001111101011010110

01001

1010101110000110001100001110111001001100010011

0010101111000111010110011101001110011110

0

11

010100011011101

100100010110110

0010110111010100101011110000110110100011

00110010001011010111100111100

01

000010101100100100111110

11000001101010

101000110110011100110100001000

001100

110100011110111010001001111110011110010010110

0010100010110000010010111010010101011000

1000101101101111

101001010001100111000010010000101000011111

01001001001000011100100010111

011101100000001000011100110011111110

10

100010101100111101001011100001101010

001110111111100110100001001100011110100100000001

11011001001111001

001110101001110100001110001111

0011000110111101001100100001100001111110100011001

10000001010100011010010

11

00001101111101001011010010110110111000

11101100110001

0110000111101111011000010010010011

11000100011011011100

101

1011000010110000000

001111101101011010100101110100111101111010010

0001010011000101

011

000101110110101000101010

0111100010110011100

00101110001111111

0011011111100100100010010001111000000000000111100

0101001010000011011101011110001010001100111111110

0000101001101010

000111111100111100110001110011

010001110001101011101101011000001111010

01001110010000010010100101100111101001000

11001011101001010000

11

010000001

1101100

11101001000011101101000

1010101100111111101011001111011011011111001001

1110111011110101011101010100111000001

000

0101101100101100

0010001

10000001

1011101100011111111100100000011011

010111110101011010100010111110000

011101100000000011100101100101011000100111010

10101100

1000010010101110001101

1010101001000110111100010111100000100110011

00110100000000000110101

1010011001101011110011

011001010111111100001101100010010101101010

10011001011011110111110110111100100111

11111001

1110101011000100011

0001010101000011101011001110111110011000011

101110001101111100000100000000100

1001100001001110

010000011010110010

0001100100001110011010111000

1000011010000

011000111111111011011000110010101000111101000010

000001111101100100110100000111010010100000101100

10110001101010110100101111101011

111011001100101111

11110111111010010

0001000100110001101111110101010010100010001

01010101011000100001100001111110111011101011000

101111101000011000101010101000100000001101010111

00110000100100101101101000110000

10

1001011011111101100010111001101

1101001001

0100101010101000010010111101010100

0111011011110000110010

1111100011

11010110110010111001010011111100

001101110011

01

011100110100001101101010001110000010011

00010100010101101110

00001000011010011000

10001000001

0

010101001011101001011101001111000000101111111

10

11

10011010001001110011111011110

11000100100101000110111001

110000000011000100001010110111110

100101011000

1100010111011011100110

110001100010110100000111

0011101

00100010001011100001110111010100011111000011

0100101101000010111010110000

110101000100110110

0100011000010111111

1010001101111101100111001011011

01010101011010101001100111000100111101100

110001000000100011000010001110101000000110110

1000000000001001111011100

1110000101001000111001010110000111

010101010110000100101101

00011100

111011111100010111101

1110001111111001111101101010001001111110000011

11010

00011100001110000

0010100010111101110100011100100101011

110001011

001110101011000110

110

100011111

11111000110100100000010001000000100001101011

010010110001000100100

0001100101110100010101000101011

000011000100100011111100

1100100100000110100100000101001000001111

111010000000100100010

0101100100011111110111100100111010111110101100010

000110000000010

100111000100010110110000101100100001101101

01

100

10010

001110011000

000010100101001110

100101

01010010001

00

0010010011101100101110100011100100110101

0000

1

0011010100011

11101010101010111001110000011

10101101100100101111000100100

1010000010000000010000011100001010101100

001101111101011100100101001110001000111010001110

101101110011101000001000101000

0110110001011010100111101100111111

001

10011010011101010101110011001001110011001

1001

0100000000110010010001100001011100101101110001

011010111111110100100000101111100011010110111

1011100010111101

001000010101100

011011111

1101111001100111000

010011010101101010010001000000001100110100

0000100

01011110011000010101100111011000110101011000000

01101111101

1011000001010000110001010000

01111001

11000010001011000

000101101110110111011

00001010000100111

000001100

10001

101000

1000011000110000101100101010111110001101110010001

01001111000000110001

0100111101

0000101100110001101110010

01010000000001010101000011000011001000000110011

111101001010100011110101011111100101000010111

0010100111001101110

10111001000001010001010100010

011111110001011010100111101011110000101000000

10000001001001011010

001000110001010010001010110101101001111100

00001000100100010100110111010101111001000011101

0000100

010110011

001110101101000011011010010100111111

00000001011011011010000000110111110000000

010011000100001101001010001001100100

0111111011001010000

001010011101010000001000010111000111

01011111001110111100001011000010000100

0000

0000110100101

001101101100110111001

010101111100110101111001010001010010011010001000

0110010011000001001000111011000100101111111001

000000

011011000101011001010001100101101001100100100

00110011100111000000101010110

111111000101111101101100010110001110011010

0001000101101000111

0010110

0011011000111011101001101

0010010100000000100110100110101100101100

1111111111110010010101

100100101010101111000101010011010101001110001110

100

001111000011010

00110011101

000011100110011101011101011110010

11111001110010000001001100001000110110010111101

00001010001001

1101011110110000010101110111100001010001

1011

0111100001111101110101011010001001011

0010011011100100100100111011110000010010110101

010100111110001100

00001001011110011000111101000010

1001

1

000110111101001011001000110

10110111111011101000

11010100010001100111110

0

11001000

010001001011101011011010111101110110011011110010

0000000000000010111111100101011011101011011000

11010011011001011101

1101010000011001111011111

0000101110111010100000100000101111111

101001010100111111000100111010111100001000

101111011010001

01011100011000110110000111010111001111

0001100000110000011010100011

1001100111011001

10111011111011010011000000011101

1011111000010110111100001111011010000

0101001101011011000111

00101000110000

1011111001011010011100001100000000

01101100001010001010111001

0101111100001100011111000

1111000

010111101111001000100010001010001000010001001101

00111110110011001101111111111011101000000100101

0100000

1000011010

110000100011001010001000001010011100110

10011001111001101001100010110101000

0000110101101101011010101010101110100011011

1101110000001001001011100001111101101010111

101101111000

100101111100101

1010010011

01011011000101000010111101000011011101011010

111001011111000100100100011

0011100100011

001000000000110001

1

101

00000001000110011101100011010011

00101011111100001110110111110001101111100101

0111101011111001011010110000001110111011101010110

111111111111101100011010101010100101110001000

011010101000

010110011101001