& (AND)

1 1 0 0

0 1 1 1

-------

0 1 0 0

(Adding 1 to get next quad of bits)

0000 --- 0

0001 --- 1

0010 --- 2

0011 --- 3

0100 --- 4

0101 --- 5

0110 --- 6

0111 --- 7

1000 --- 8

1001 --- 9

1010 --- A

1011 --- B

1100 --- C

1101 --- D

1110 --- E

1111 --- F

0b10001111010101011100 = 0x8F55C

0b10001111010101011100

**1111 1111 1111 1111 1111 1111 1111 0110**

**0111 0111 1111 1111 1111 1111 1111 1111**

**-----**

**0111 1111 1111 1111 1111 1111 1111 0110**