#include<avr/io.h>

void usart\_int()

{

UCSR0A = 0x00;

UCSR0B = (1<<RXEN0)|(1<<TXEN0);

UCSR0C = (1<<UCSZ00)|(1<<UCSZ01);

UBRR0L = 103;

}

void usart\_sent(unsigned char n )

{

while(UCSR0A!=(UCSR0A|(1<<UDRE0)));

UDR0=n;

}

unsigned char usart\_recieve(void)

{

while(UCSR0A!=(UCSR0A|(1<<RXC0)));

return UDR0;

}

int main()

{

unsigned char n;

DDRD=0b01000000;

TCCR0A|=(1<<COM0A1)|(1<<WGM01)|(1<<WGM00);

TCCR0B|=(1<<CS00);

usart\_int();

while(1)

{

n = usart\_recieve();

usart\_sent(n);

if(n=='0' || n=='f')

{

OCR0A=0;

}

else if(n=='1')

{

OCR0A=29;

}

else if(n=='2')

{

OCR0A=57;

}

else if(n=='3')

{

OCR0A=86;

}

else if(n=='4')

{

OCR0A=115;

}

else if(n=='5')

{

OCR0A=144;

}

else if(n=='6')

{

OCR0A=173;

}

else if(n=='7')

{

OCR0A=202;

}

else if(n=='8')

{

OCR0A=228;

}

else if(n=='9' || n=='n')

{

OCR0A=255;

}

}

return 0;

}