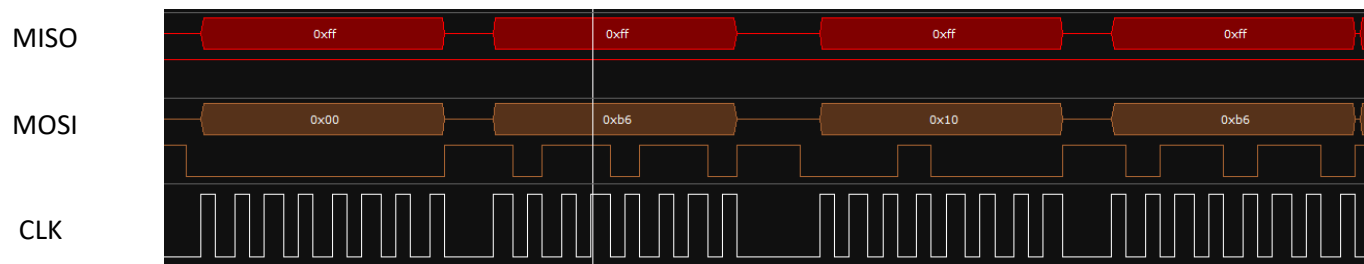
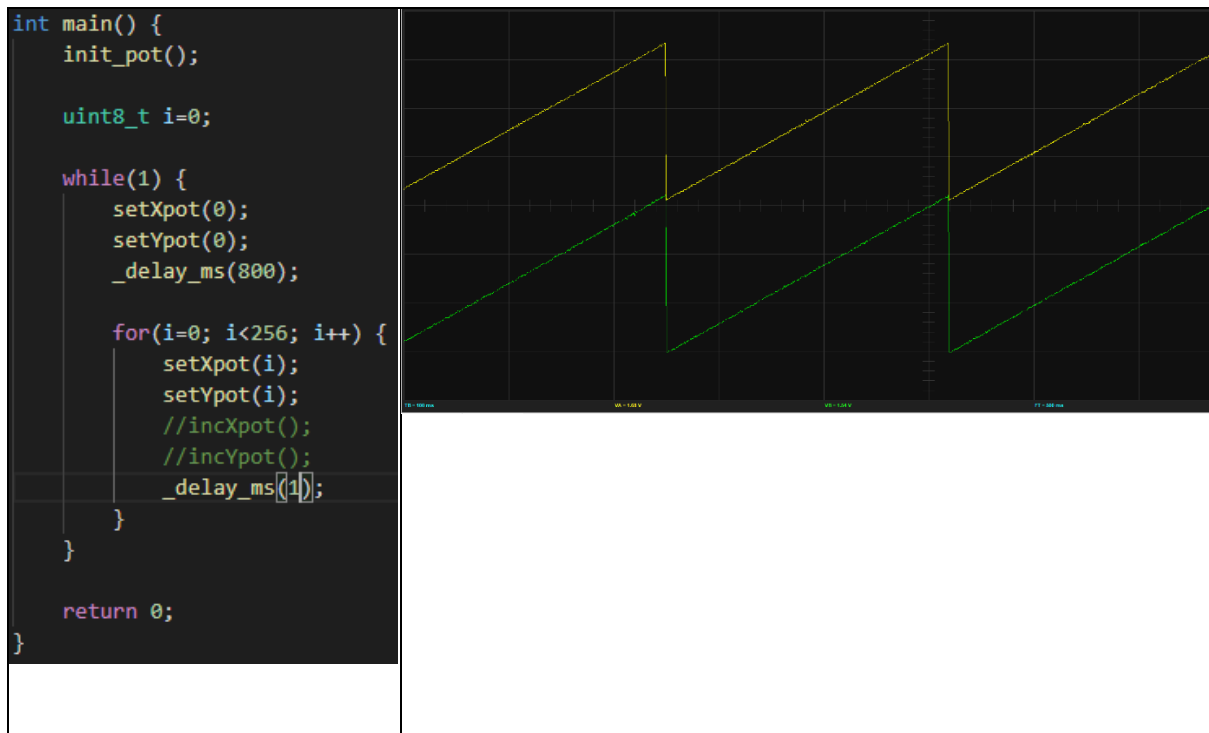


C7 – Serial Communication

3.1 UART Debugging

<pre>int main() { int i = 0; DDRA = 0xFF; init_debug_uart0(); while(1 == 1) { for(i=0; i<10; i++) { PORTA = (uint8_t)segments[i]; printf("%d\n", i); _delay_ms(800); } return 0; } }</pre>	
	

3.2 SPI Digital Potentiometer



The first byte selects pot 0 to write, the next byte writes the value 0xb6 to pot 0, the next byte selects pot 1 to write, then the last byte writes the value 0xb6 to pot 1.