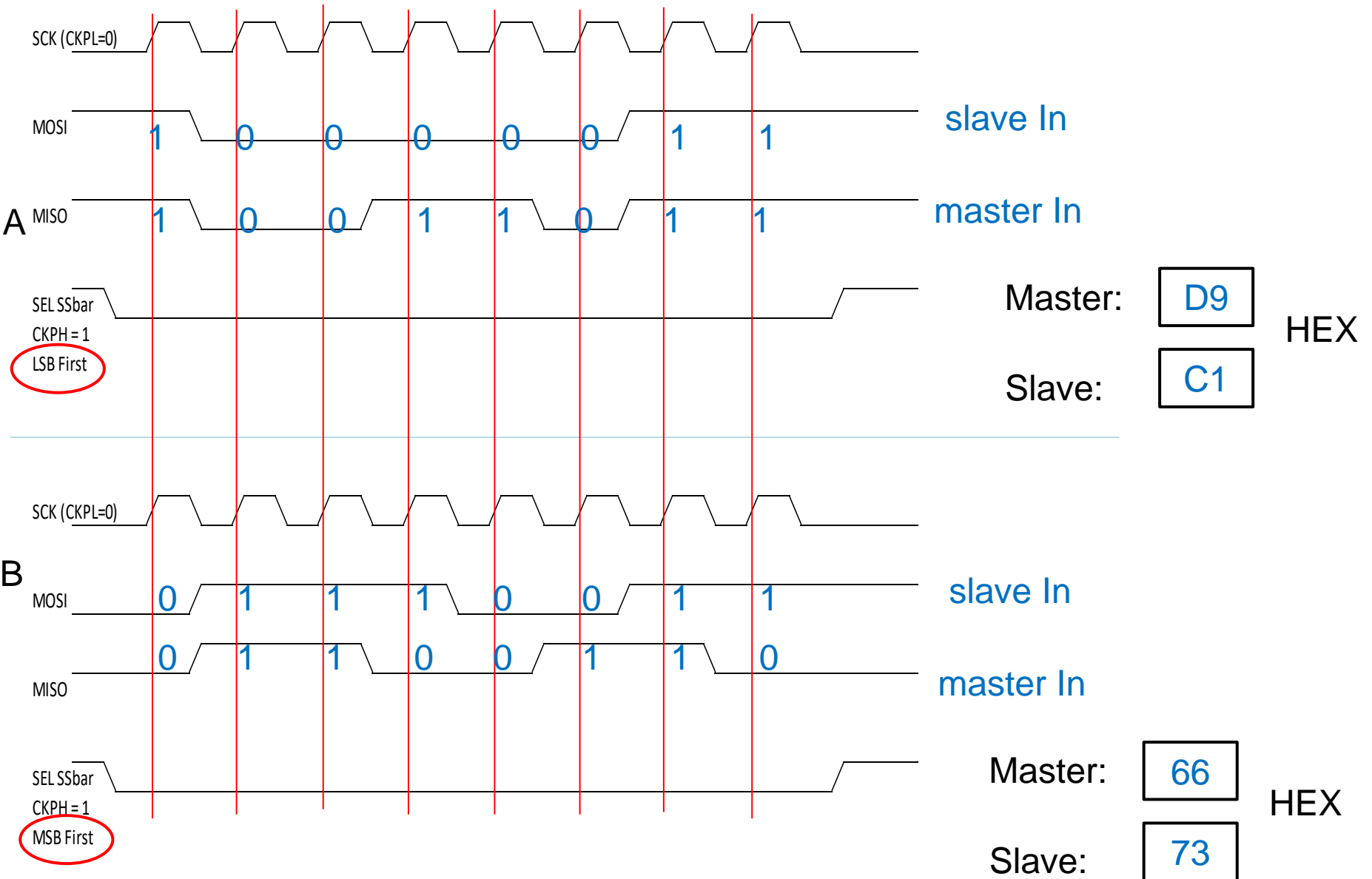


EE 2905

Dr. Johnson

Homework 11

1) What value is contained in the master and slave registers after a successful SPI transmission – 2 problems A,B 40pts



2) Write a snippet of code to setup the SPI in the problem 1B mode with a 100KHz baud rate 30pts

```
SPI mySpi(D11, D12, D13)           // global area

mySpi.format(8, 1);                // program area
mySpi.frequency(100000);
```

3) Write a function to continuously output to the SPI an 8 bit counter variable every 10ms 30pts

```
void my_spi_counter(void){
    uint8_t cnt;
    cnt = 0;

    while(1){
        mySpi.write(cnt);
        cnt++;
        wait_us(10000);
    } // end while
    return;
} // end my_spi_counter
```