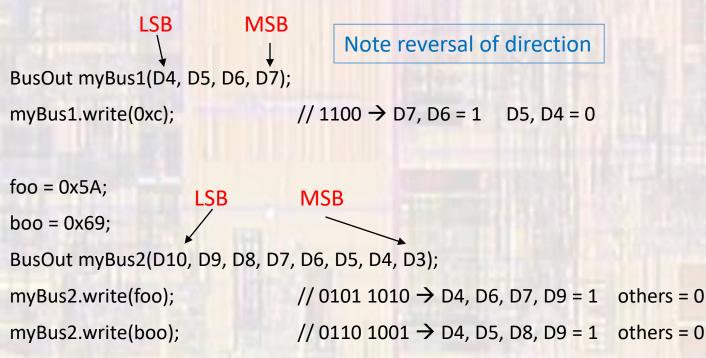
## **BusOut Class**

- BusOut is a grouping of DigitalOut objects
  - Writing to a BusOut object uses the individual binary bits of the output word to control each associated digital output pin

## • The entire bus is written at the same time



## **BusOut Class**

Public Member Functions	
	BusOut (PinName p0, PinName p1=NC, PinName p2=NC, PinName p3=NC, PinName p4=NC, PinName p5=NC, PinName p6=NC, PinName p7=NC, PinName p8=NC, PinName p10=NC, PinName p11=NC, PinName p12=NC, PinName p13=NC, PinName p14=NC, PinName p15=NC)
	Create an BusOut, connected to the specified pins. More
	BusOut (PinName pins[16])
	Create an BusOut, connected to the specified pins. More
void	write (int value)
	Write the value to the output bus. More
int	read ()
	Read the value currently output on the bus. More
int	mask ()
	Binary mask of bus pins connected to actual pins (not NC pins) If bus pin is in NC state make corresponding bit will be cleared (set to 0), else bit will be set to 1. More
BusOut &	operator= (int v)
	A shorthand for write() More
DigitalOut &	operator[] (int index)
	Access to particular bit in random-iterator fashion. More
	operator int ()
	A shorthand for read() More