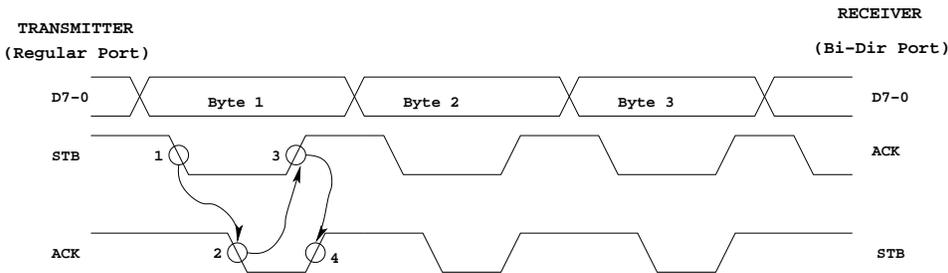


STANDARD		TEST	
STB	C0	1	S6 ACK
	D0	2	D0
	D1	3	D1
	D2	4	D2
	D3	5	D3
	D4	6	D4
	D5	7	D5
	D6	8	D6
	D7	9	D7
ACK	S6	10	C0 STB
BSY	S7	11	C2 INI
PAP	S5	12	C1 ALF
ONOF	S4	13	C3 DSL
ALF	C1	14	S5 PAP
ERR	S3	15	S3 ERR
INI	C2	16	S7 BSY
DSL	C3	17	S4 ONOF
GND		18	GND
GND		19	GND
GND		20	GND
GND		21	GND
GND		22	GND
GND		23	GND
GND		24	GND
GND		25	GND

The following is not due next week, but you need to start thinking about it:

Start working on a program to transfer data from a PC with a regular parallel port to a PC using your bi-directional parallel port (with the data lines set up for input). Use a handshaking scheme like the one below:



- 1: After putting new data on data lines, transmitter brings its STB low
- 2: Receiver sees its ACK go low. It reads data and brings its STB low
- 3: Transmitter sees its ACK go high. It brings its STB back high
- 4: Receiver sees its ACK go high. It brings its STB high.

When transmitter sees its ACK go high handshake is complete, and transmitter can send next byte.

You will have two programs: one running on the sending PC and one running on the receiving PC. You should start the program on the receiving PC, connect the cable, then start the program on the sending PC. The program on the sending PC should take a file name you specify, and send that file to the receiving PC. The program on the receiving PC should save the file from the sender with the same name.