

■ CLASS DISCUSSION ITEM 7.8

Software Debounce

Section 6.10.1 presented how to debounce a single-pole, double-throw switch using a NAND gate or flip-flop circuit. This is called a *hardware solution*, since it requires extra components wired together. If a switch is used to input data to a PIC design, debounce can be done in software instead. Assuming that a switch is connected to a PIC by only a single line, write PicBasic Pro code to perform the debounce. Note that the PicBasic Pro statement *Button* can be used for this purpose, but here we want you to think about how you would do it using more fundamental statements.