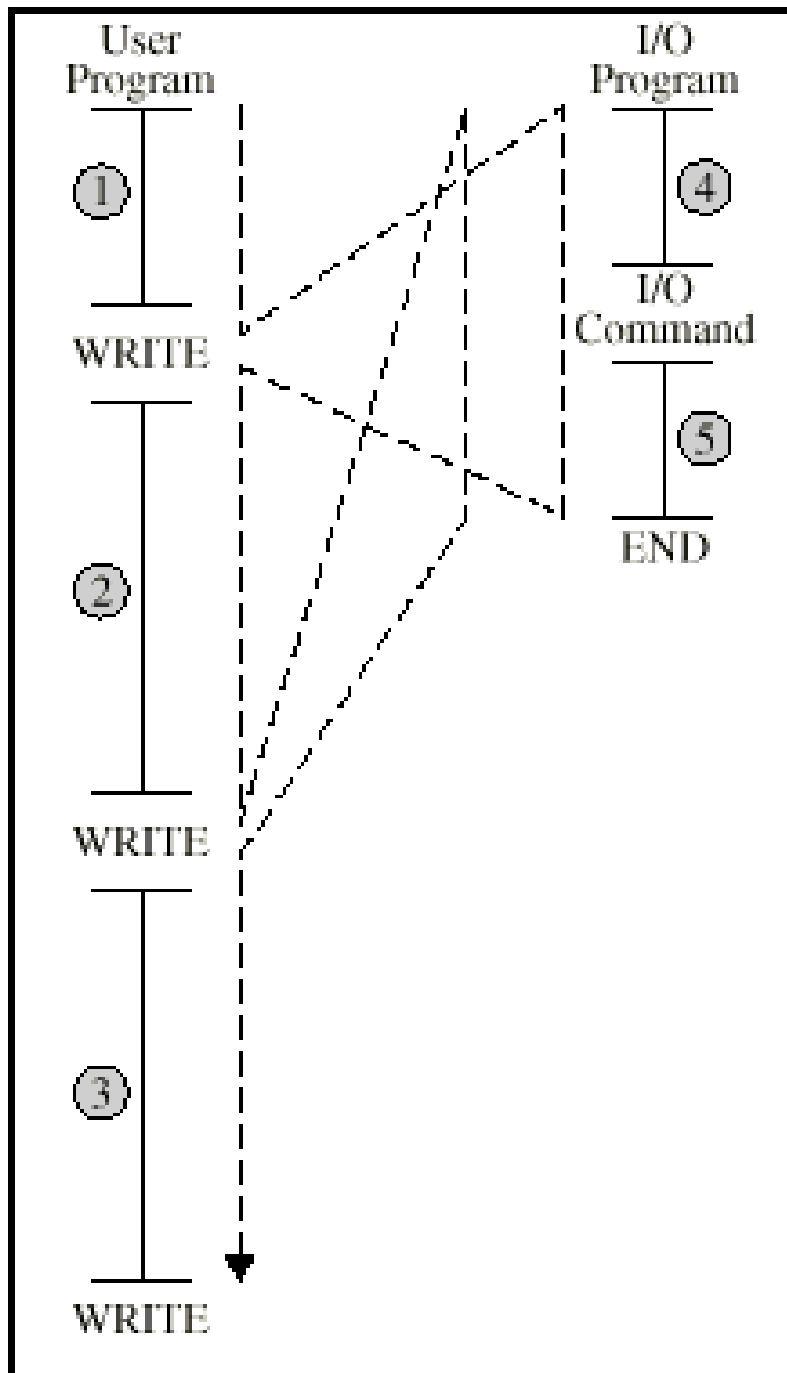


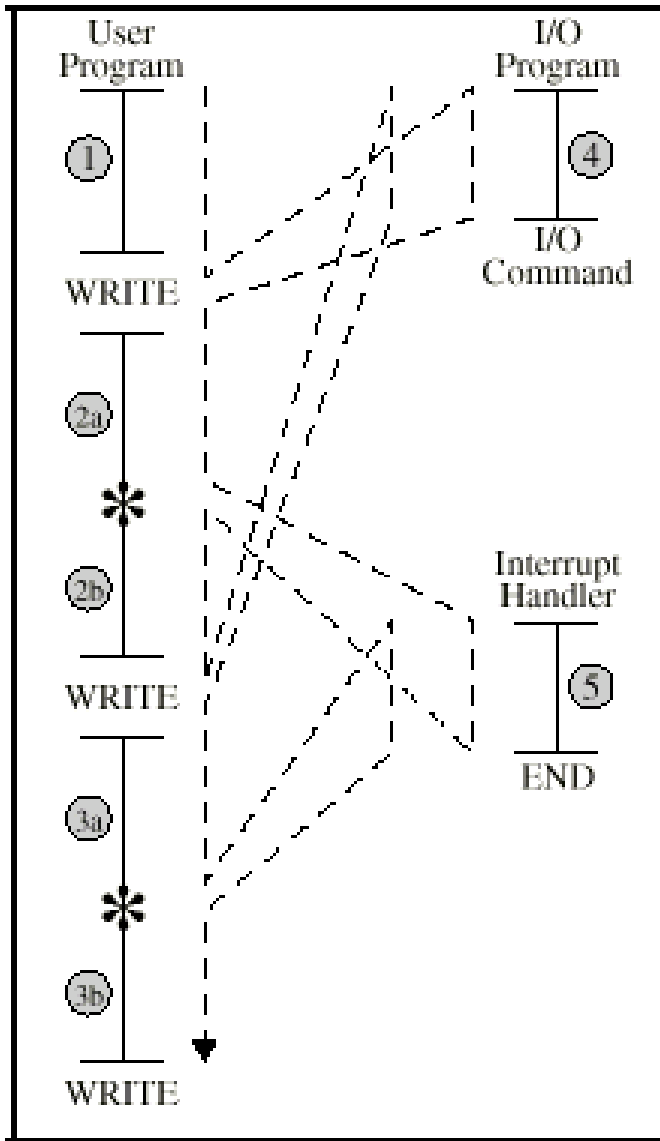


**4.8 subroutine call and return mechanisms; I/O and interrupts**

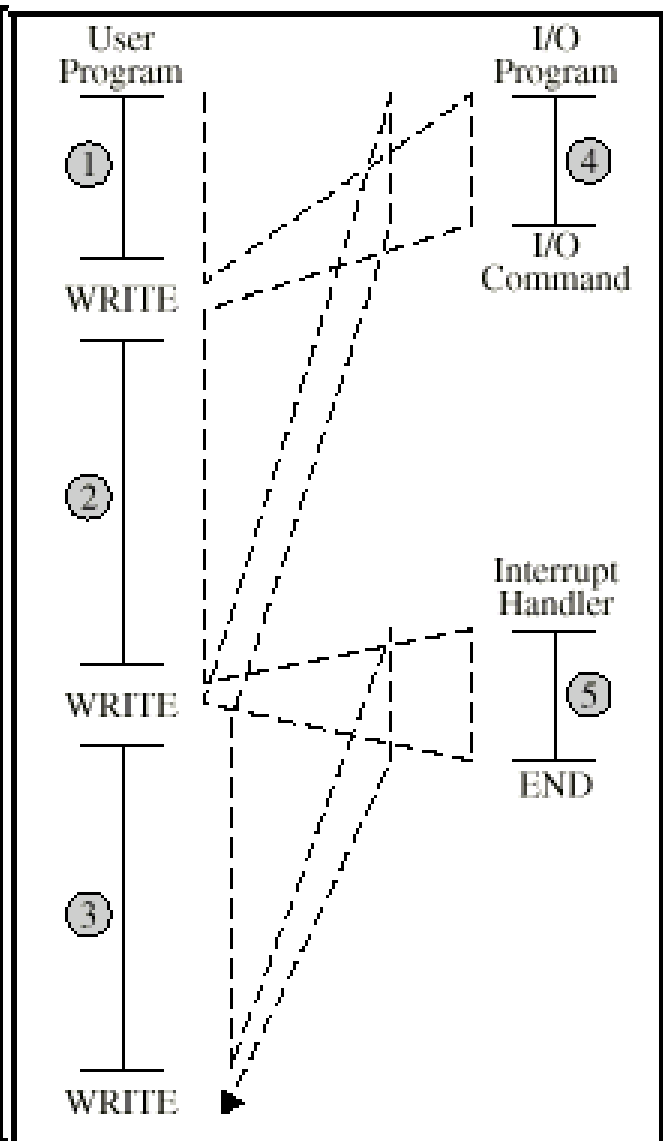
Program Flow Control



No interrupts



Interrupt: short IO wait



Interrupt: long IO wait

**References**

William Stallings, Computer Organization and Architecture (9th Ed), 2012, Pearson Publisher