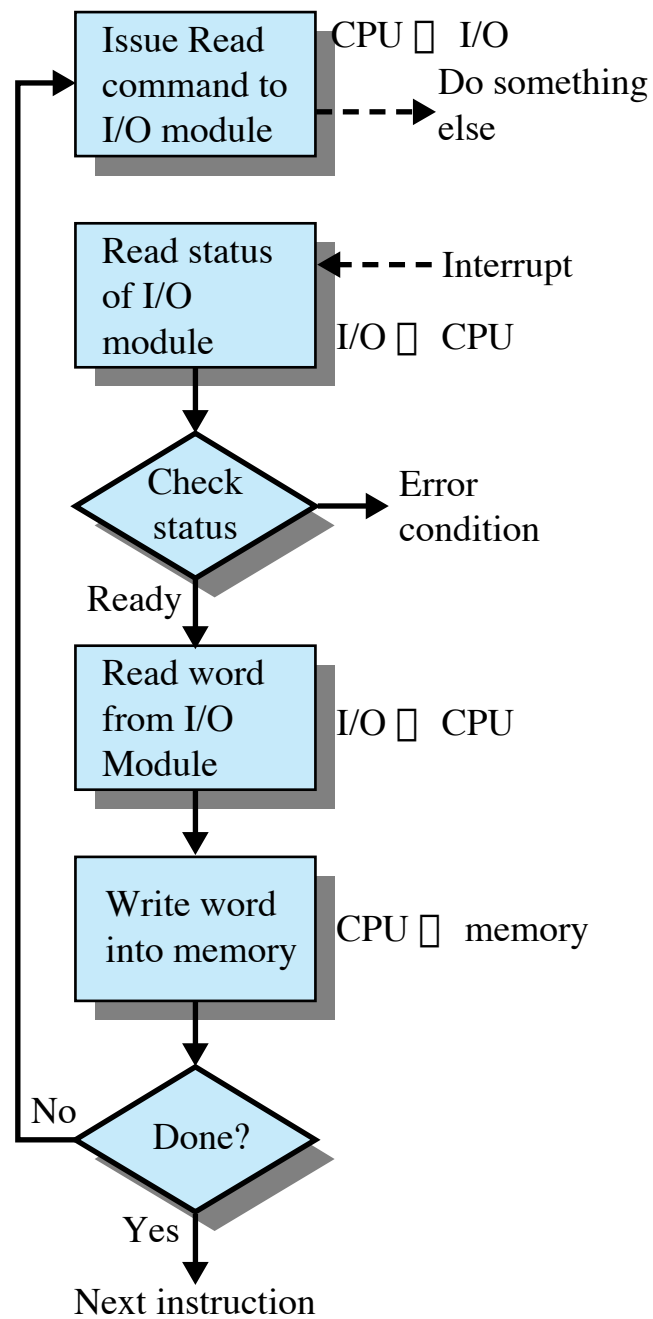
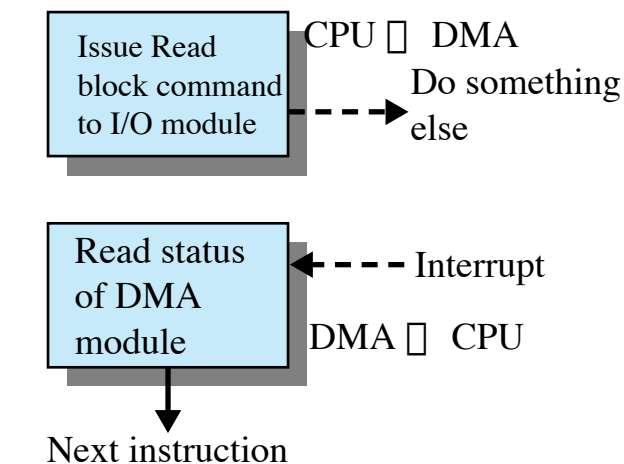


(a) Programmed I/O



(b) Interrupt-driven I/O



(c) Direct memory access

Figure 1.19 Three Techniques for Input of a Block of Data