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- Higher priority interrupts cause lowerpriority interrupts to wait
- Causes a lower-priority interrupt handler to be interrupted
- Example when input arrives from communication line, it needs to be absorbed quickly to make room for more input

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Multiprogramming

- Processor has more than one program to execute
- The sequence the programs are executed depend on their relative priority and whether they are waiting for I/O
- After an interrupt handler completes, control may not return to the program that was executing at the time of the interrupt

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