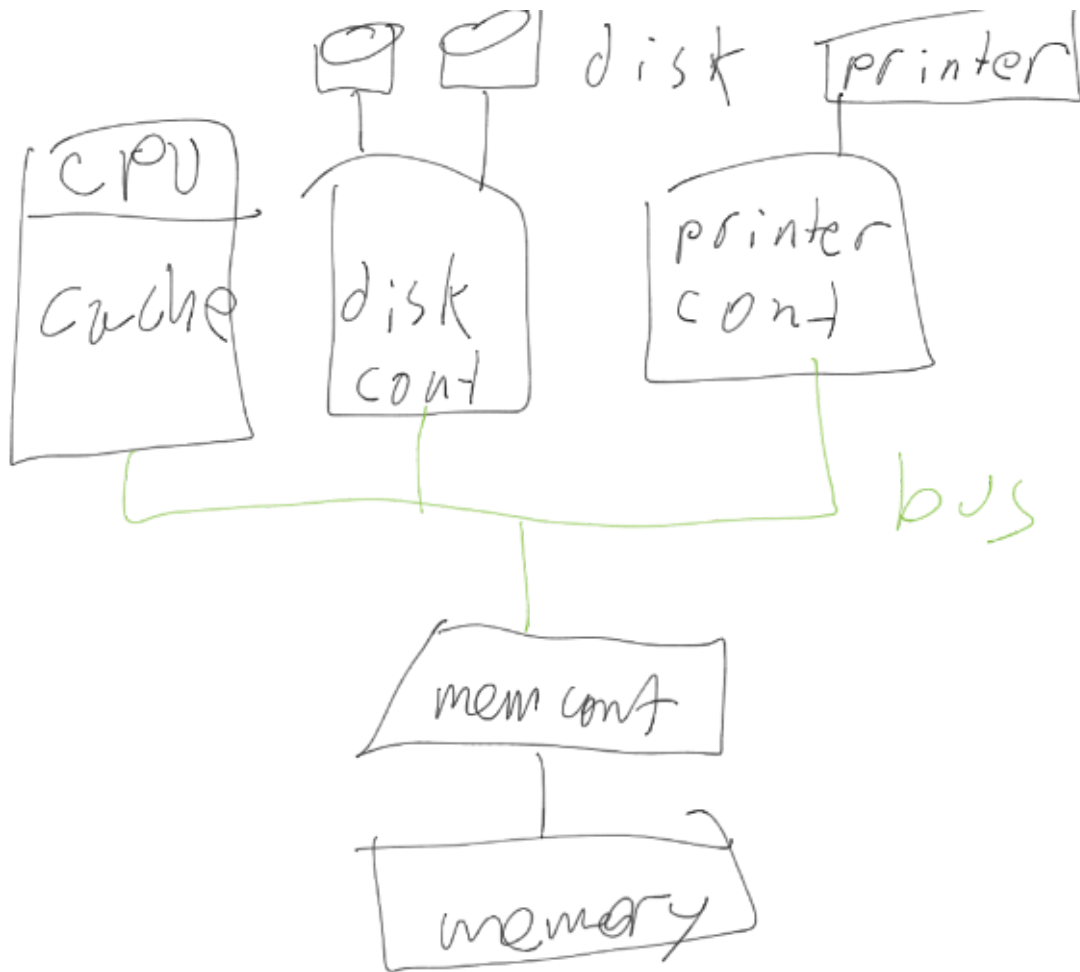


Io



Common Methods

Polling = OS keeps checking ctrl status is rle (reads word only)

- handles data promptly
- busy wait
- inconsistent data

Interrupt = device interrupts CPU when it completes I/O operation

- determines which device is ready

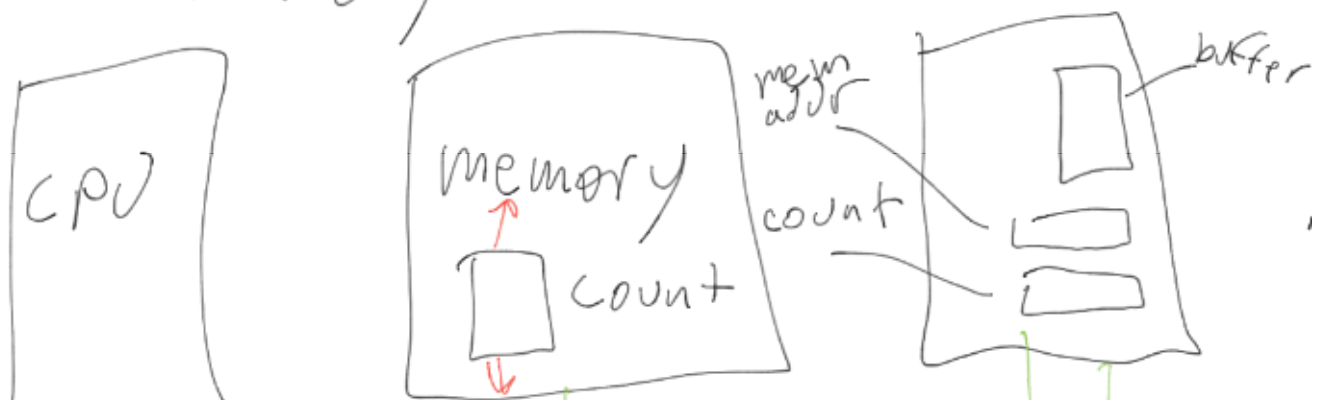
- determine which device caused it
- if last command was input, retrieve data from device register
- start the next operation for that device
- no busy wait
- no inconsistent data
- only 1 word/time

register

- status = busy/free/error
- control = command to perform
- data in = data going in CPU
- data out = data coming out of CPU

DMA = write directly to memory

- has a DMA controller
- slows down CPU
- interrupts when entire transfer is ready





Last modified: Dec 12, 2018