

Polling

- ➔ OS waits until the device is ready by repeatedly reading the status register
- ✓ Simple and working
- ⦿ Wastes CPU time just waiting for the device

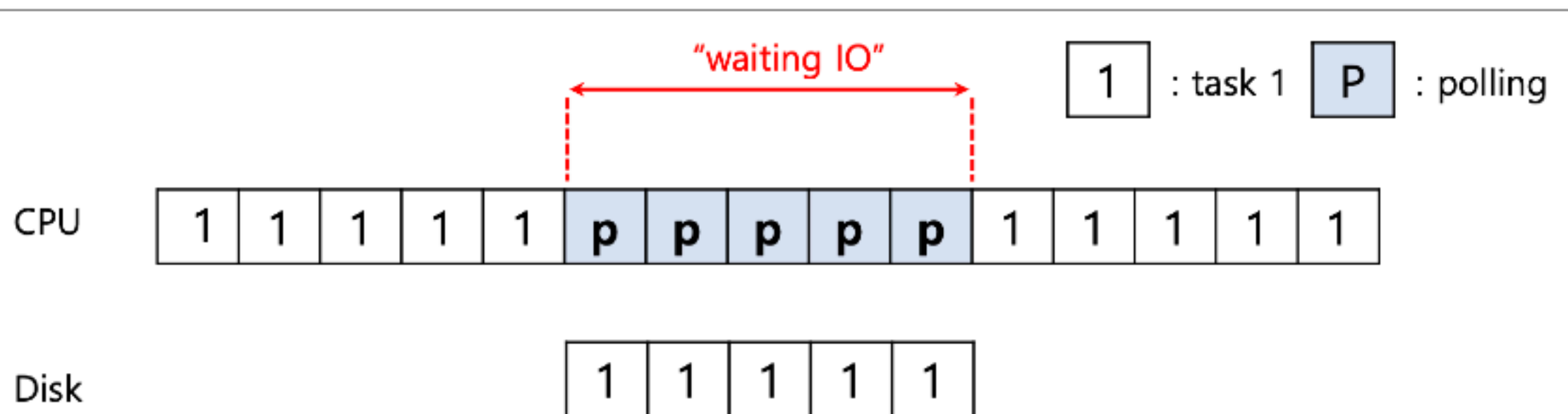


Diagram of CPU utilization by polling

Interrupts

1. Put the I/O request process to sleep and switch context
 2. When the device is finished, send an interrupt to wake the process waiting for the I/O
- ✓ CPU is properly utilized

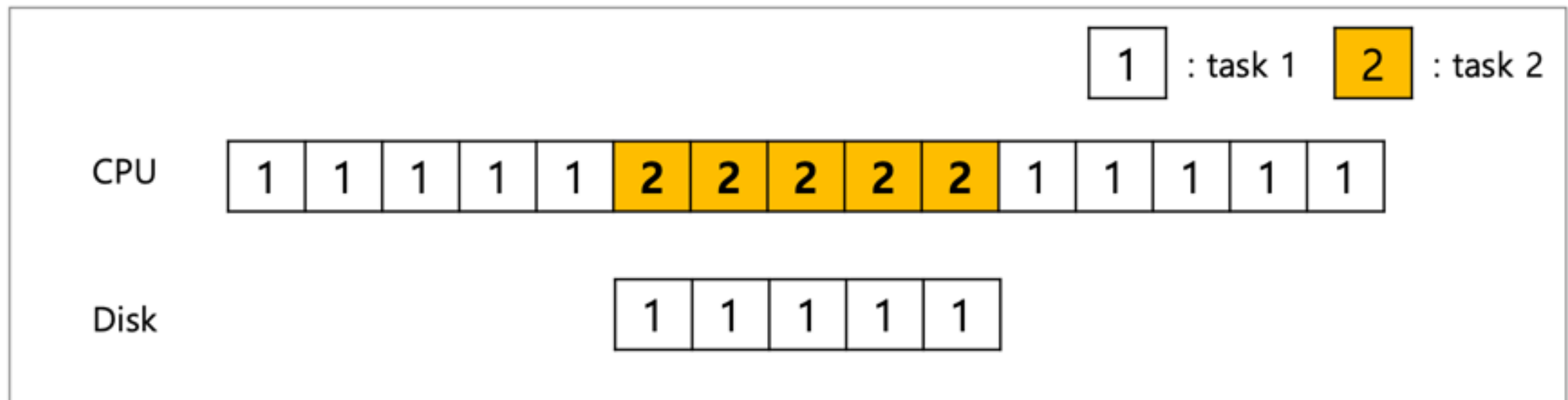


Diagram of CPU utilization by interrupt