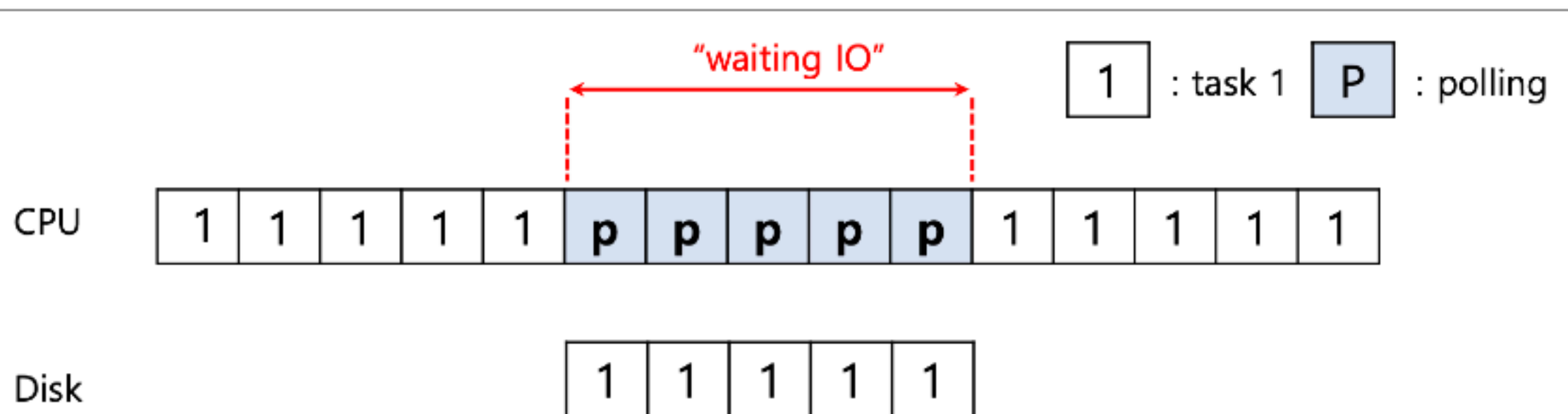# Polling
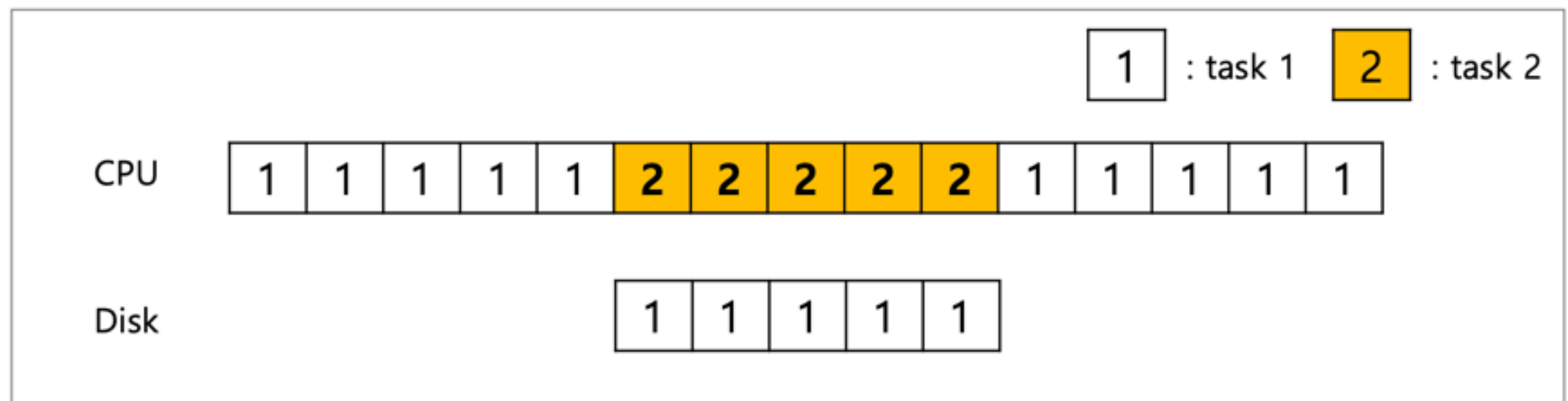
➡ OS waits until the device is ready by repeatedly reading the status register

✓ 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

								1	: task 1	2	: task 2				
CPU	1	1	1	1	1	2	2	2	2	2	1	1	1	1	1
Disk						1	1	1	1	1					

Diagram of CPU utilization by interrupt