

# Rate Monotonic Scheduling

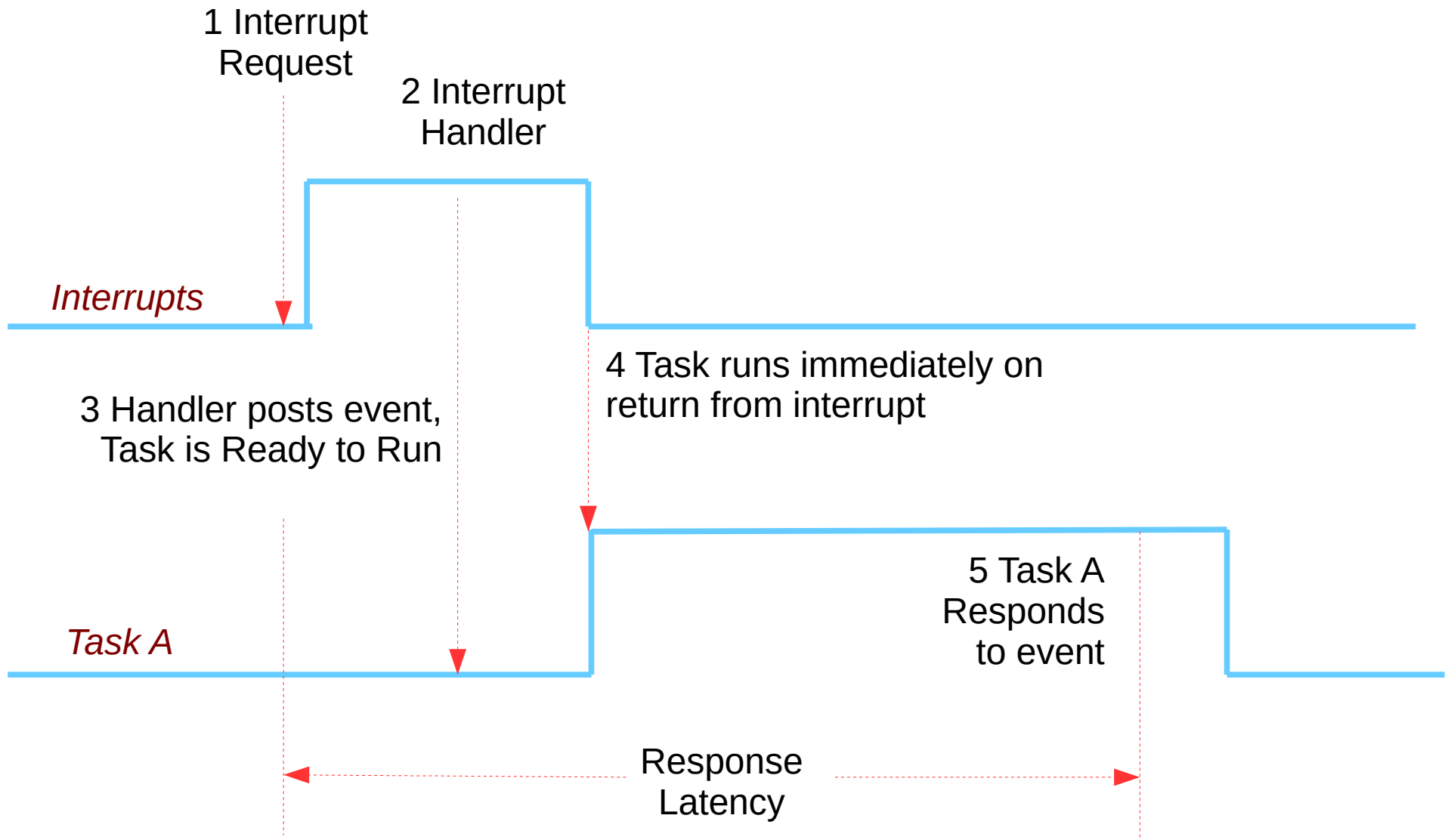
## ***Assumption:***

- *No resource sharing (processes do not share resources, e.g. a hardware resource, a queue, or any kind of semaphore blocking or non-blocking (busy-waits))* Wikipedia “Rate Monotonic Scheduling”

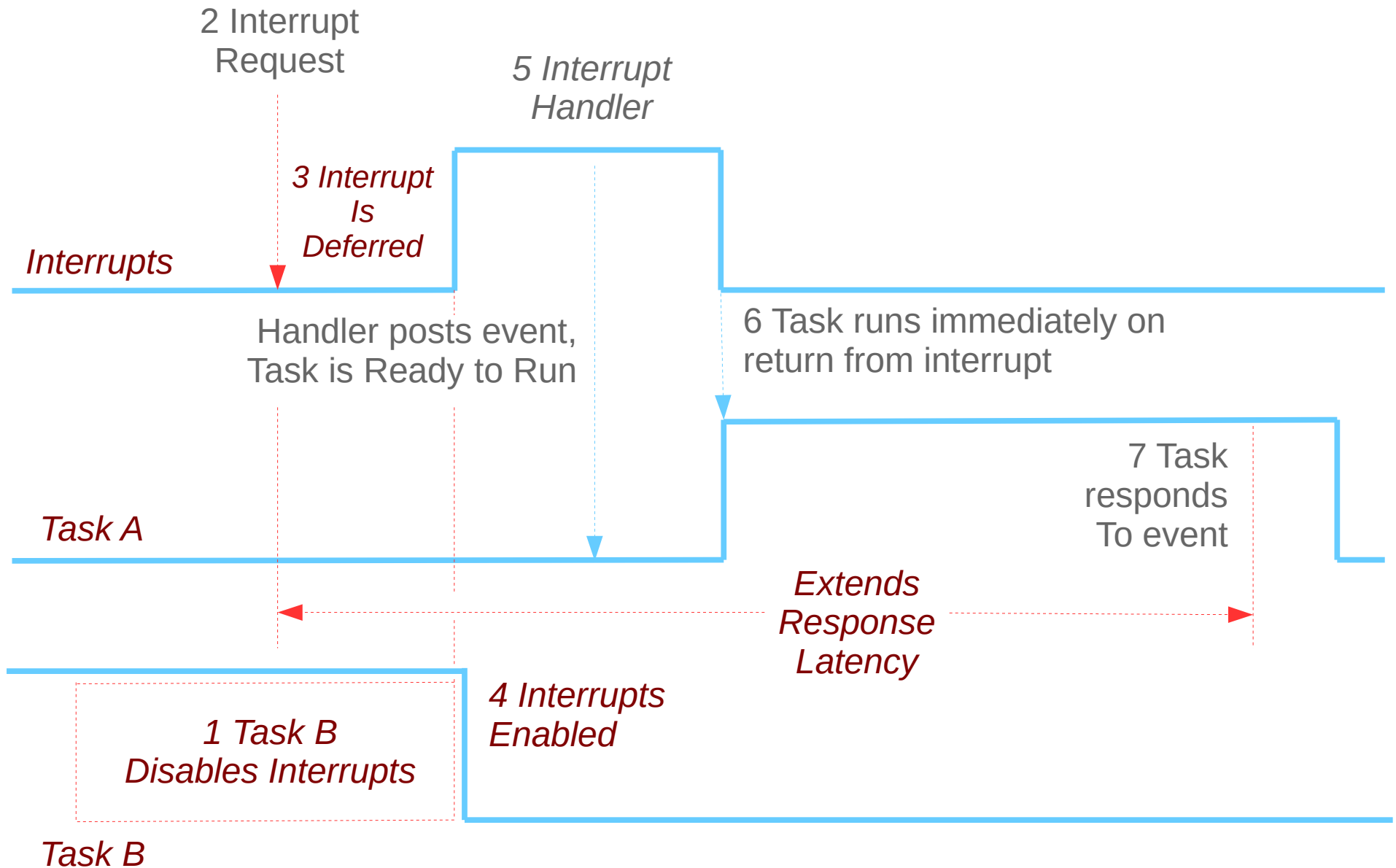
***Real world:*** We must protect shared resources with locks of some kind. The most aggressive: (1) Disabling interrupts, and (2) Disabling pre-emption.

What are the effects of real-time performance when this assumptions is violated?

# Normal Interrupt Processing



# Effect of Disabling Interrupts



# Effect of Disabling Pre-emption

