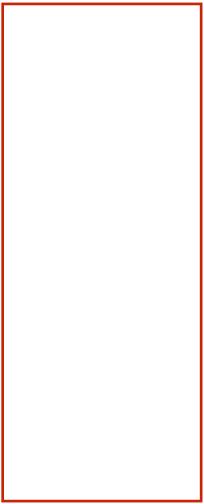


## Running multiple programs one after the other





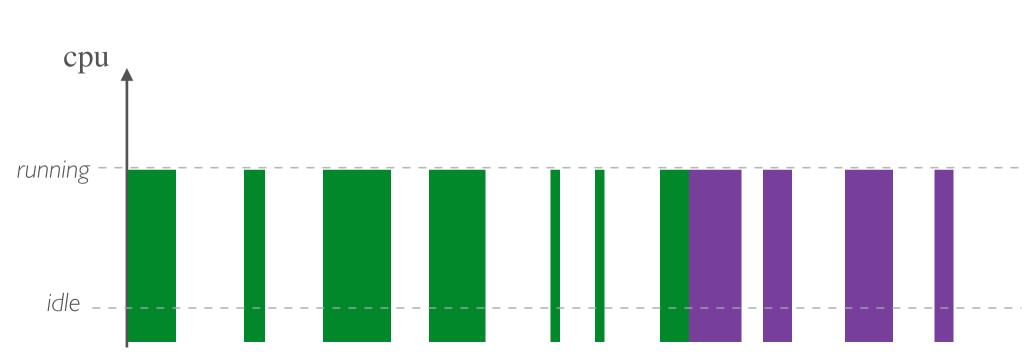




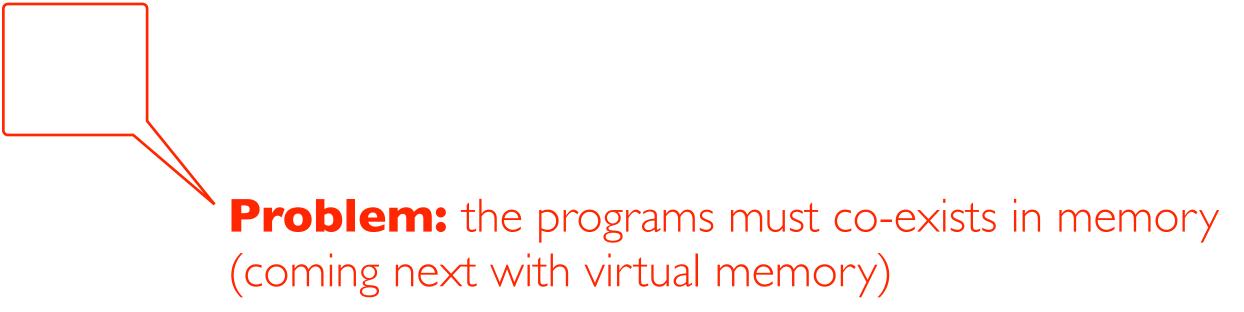






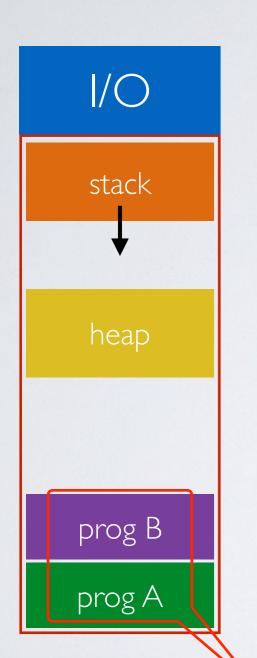


## **Problem**: the CPU is waiting for I/O (polling)

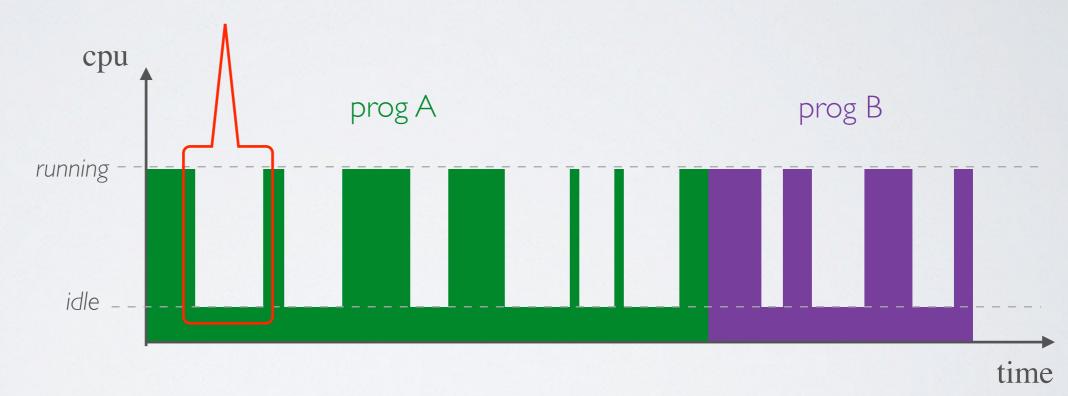




## Running multiple programs one after the other



**Problem**: the CPU is waiting for I/O (polling)



**Problem:** the programs must co-exists in memory (coming next with virtual memory)



## I/O with interrupts

