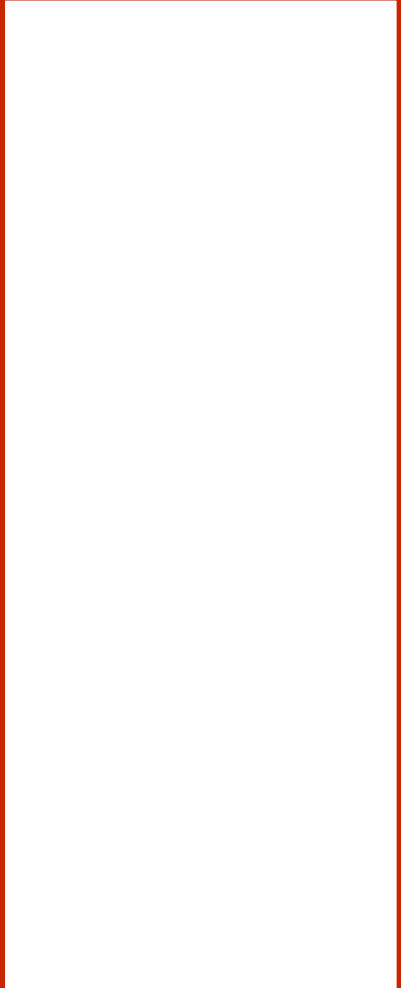


Running multiple programs after the other



prog A

stack

heap

heap



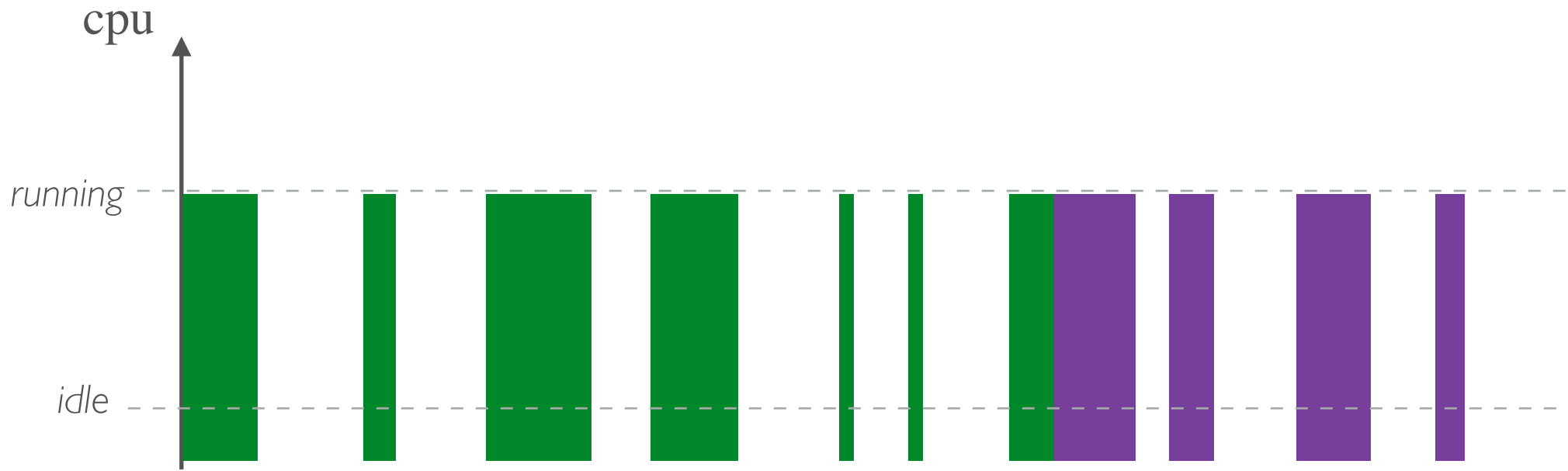
prog B

prog A

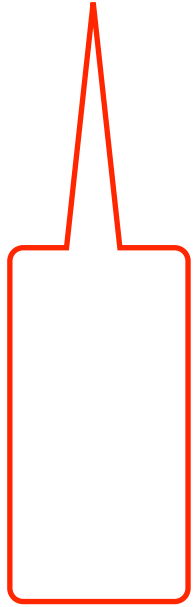
prog B



time



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





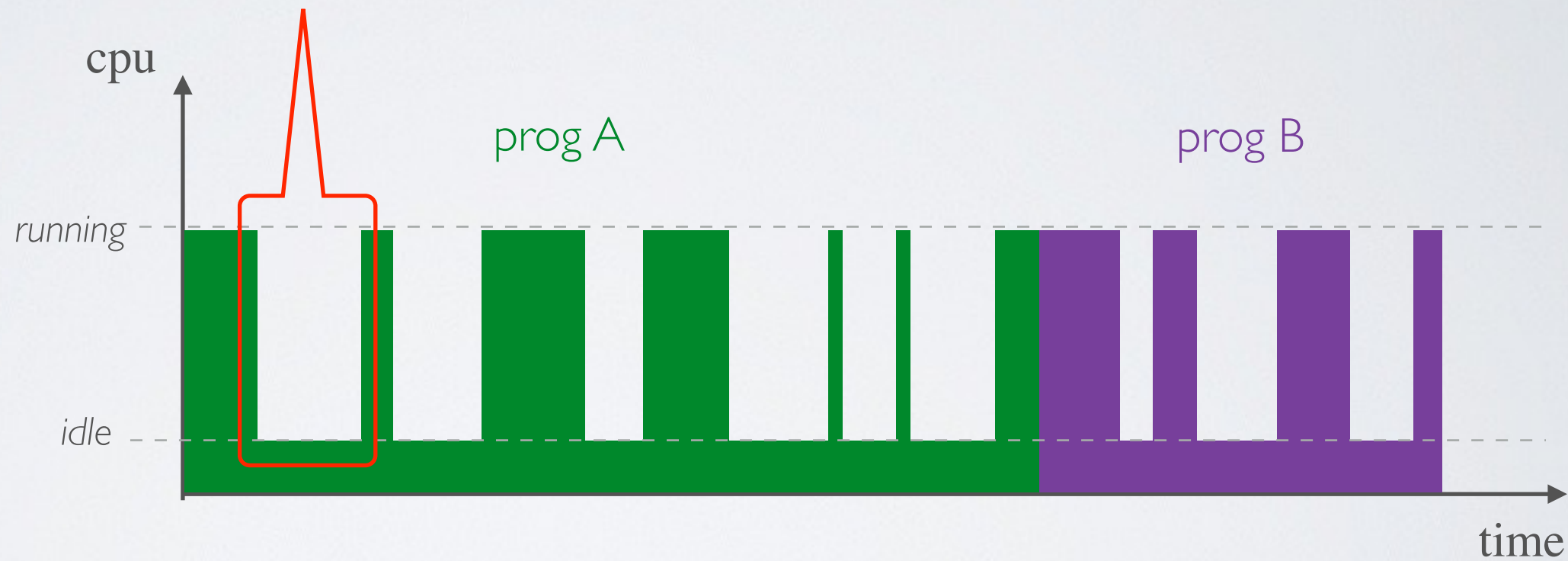
Problem: the programs must co-exists in memory
(coming next with virtual memory)

1/0

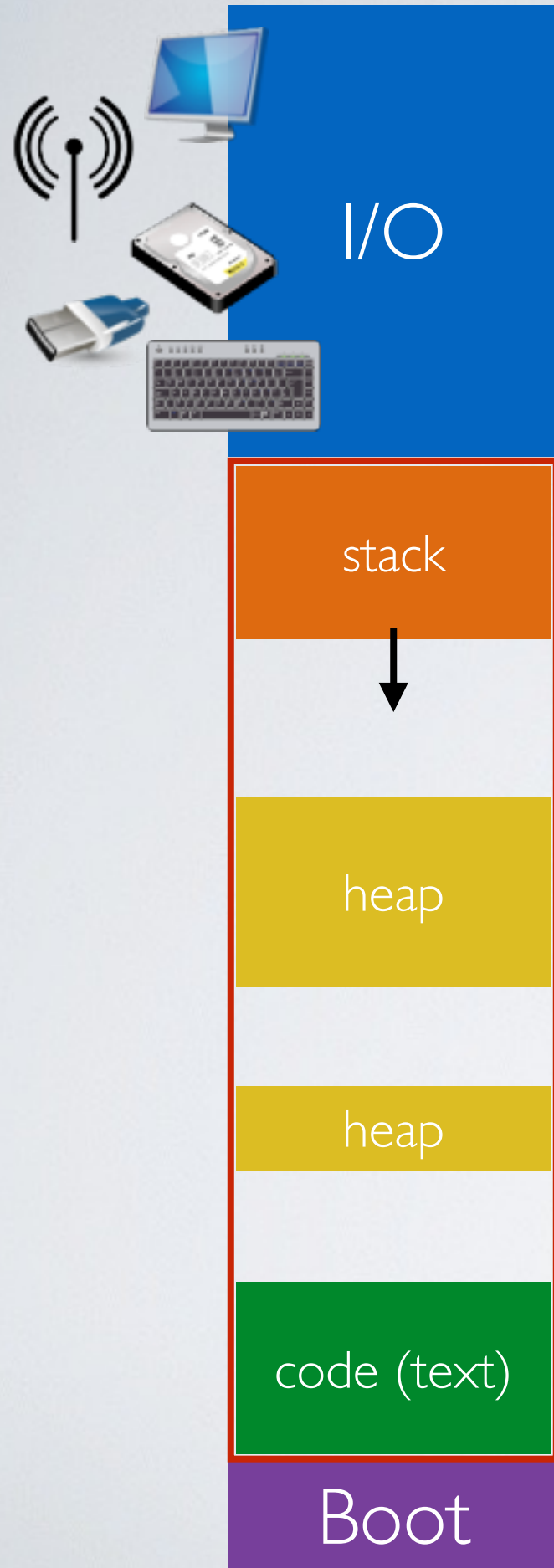
Running multiple programs one after the other



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