

# Another problem

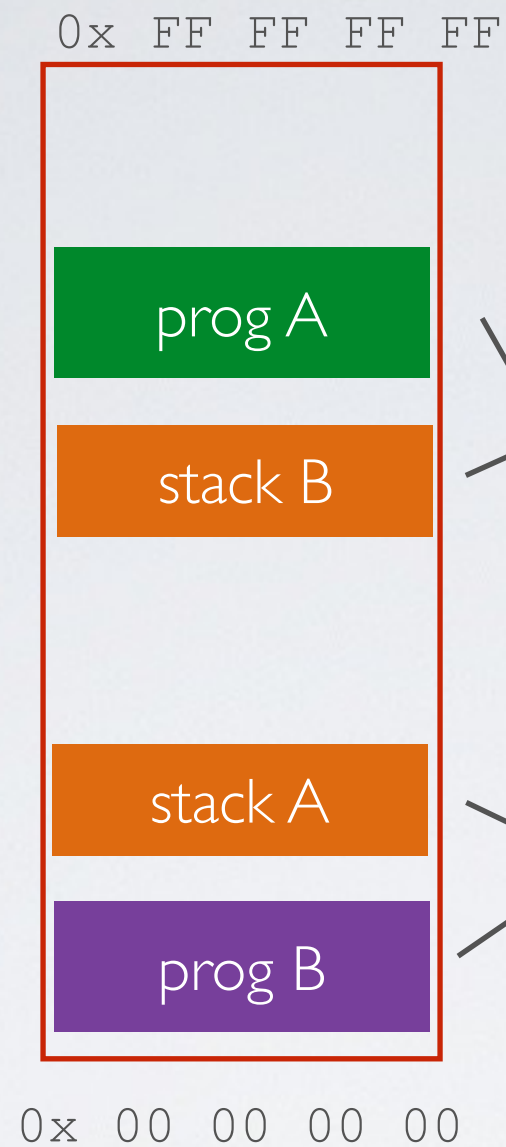
What if we run out of memory because of too many concurrent programs?

- ✓ Swap memory  
move some data to the disk

- ➡ Managing memory becomes very complex  
but necessary

# Swap

*physical memory*



*hard drive*

