Virtual Memory

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The problem of managing the memory

stack B
↓
heap B
prog B
stack A
↓
heap A
prog A
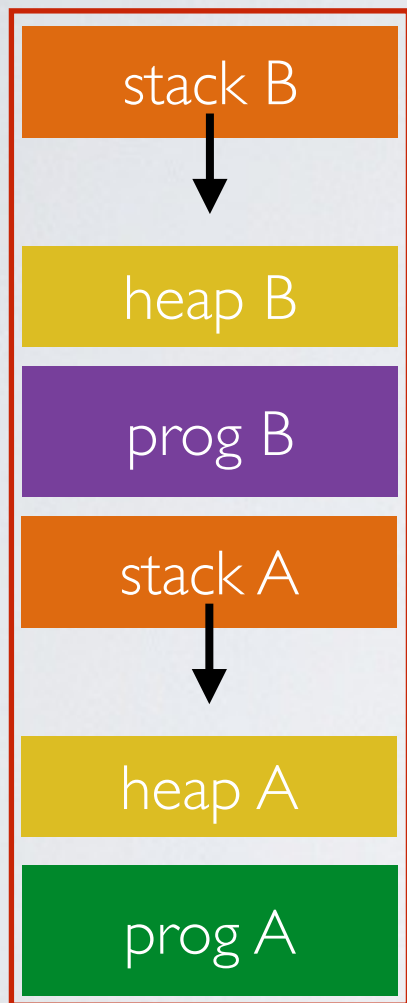
How to make programs and execution contexts co-exists in memory?

✓ Placing multiple execution contexts (stack and heap) at random locations in memory is not a problem ... ... well, as long as your have enough memory

◉ However having programs placed at random locations is problematic