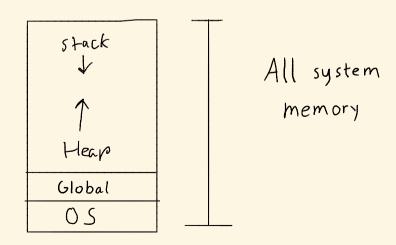
CIS 452 - Operating Systems Concepts Nathan Bowman

Multiprogramming introduction

Memory map with one process

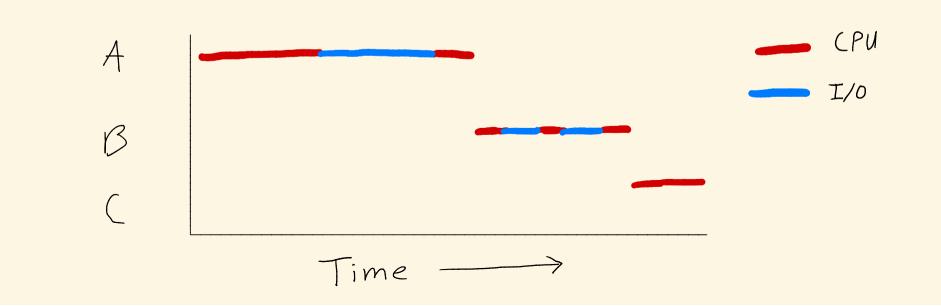


Multiprogramming

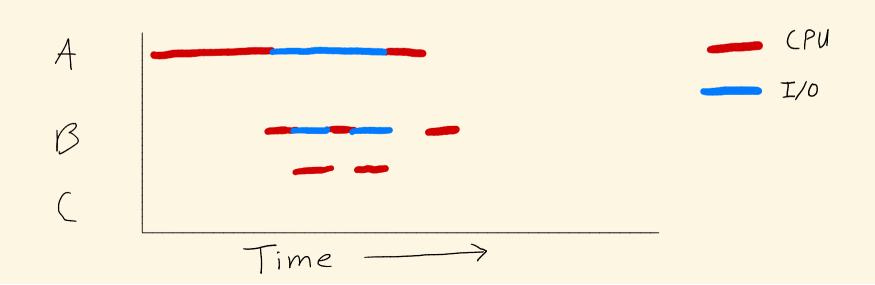
Program 3
Program 2
Program 1
O S

All system memory

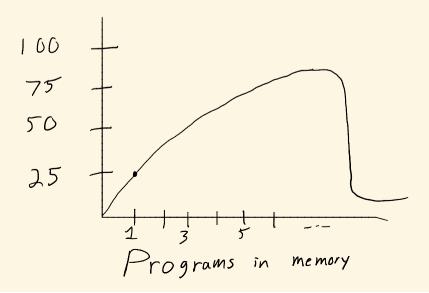
Resource utilization before...



...and after



More multiprogramming is better -- to a point



Multiprogramming is key to effective resource utilization. Also allows for fast switching between processes that gives a "feel" of concurrent programs on a single processor.

We will talk in a lot more detail later about how memory is managed