

# Page Fault Frequency (PFF)

➔ Page Fault Frequency (PFF) is a variable space algorithm that uses a more ad-hoc approach

Monitor the fault rate for each process

- If the fault rate is above a high threshold, give it more memory
  - If the fault rate is below a low threshold, take away memory
- Hard to use PFF to distinguish between changes in locality and changes in size of working set

# Thrashing

## **Overcommitted system**

when OS spent most of the time in paging data back and forth from disk (and so spending little time doing useful work)

- The problem comes from either
  - a bad page replacement algorithm  
(that does not help minimizing page fault)
  - or not enough physical memory for all processes