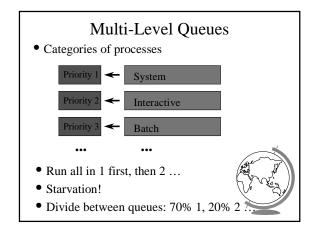
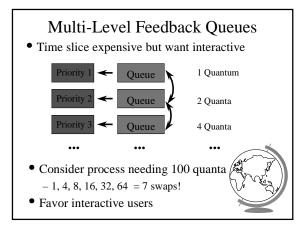
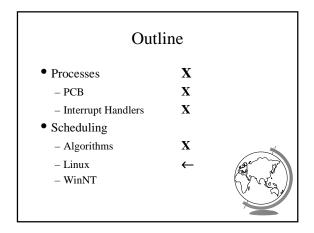
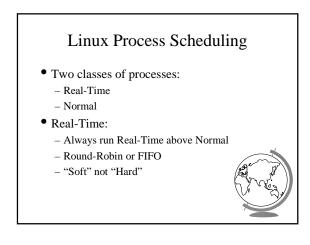


More Fun with Scheduling		
Process	Arrival Time	Burst Time
А	0.0	8
В	0.4	4
С	1.0	1
• Turn around time: - FCFS - SJF - q=1 CPU idle - q=0.5 CPU idle		And the second s









## Linux Process Scheduling

- Normal: Credit-Based (counter variable)
  - process with most credits is selected
    + goodness() function
  - time-slice then lose a credit (0, then suspend)
  - no runnable process (all suspended), add to
    - every process: credits = credits/2 + priority/
- Automatically favors I/O bound proc

## Windows NT Scheduling

- Basic scheduling unit is a thread
- Priority based scheduling per thread
- Preemptive operating system
- No shortest job first, no quotas



## Priority Assignment NT kernel uses 31 priority levels 31 is the highest; 0 is system idle thread Realtime priorities: 16 - 31 Dynamic priorities: 1 - 15 Users specify a *priority class*: + realtime (24), high (13), normal (8) and idle (4) - and a relative priority:

- + highest (+2), above normal (+1), normal (0),
  - normal (-1), and lowest (-2)
- to establish the *starting priority*
- Threads also have a *current priority*

## Quantum

- Determines how long a Thread runs once selected
- Varies based on:
  - NT Workstation or NT Server
  - Intel or Alpha hardware
- Foreground/Background application threads
- How do you think it varies with each?

