Advanced Computer Systems Architecture

Chip-Multiprocessors: Applications and Architectures

CSE 526M
Prof. Patrick Crowley

Plan for Today

- Questions
- Today’s discussion
Objective

• Form project groups
• Discuss project topics

Potential Topics

• Numerics/scientific
  – transportation problem
  – decision trees
  – floating-point library
  – fixed-point library
  – dynamic programming
  – simplex algorithm
• Networking
  – Packet scheduling
  – Content search
• String processing
• Search/sort
• Parallel simulation (problem domain of your choice)
• Others…
Assignment

• Commentary (due in one week):
  – Determine group members
  – Propose project idea
    • Use sentences and paragraphs
    • 5 to 6 week project
  – Break project into 3 key milestones
    • Use sentences and paragraphs
    • Demonstrate some understanding of the problem

• Submit document to newsgroup, and bring hardcopy to class on Thursday