

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