

eeCS
281

DATA STRUCTURES AND ALGORITHMS

Discussion slides for week of November 26, 2007

The University of Michigan

Agenda

- *Any Questions?*
- *HW4 (Due coming Tuesday)*
- *PA3 Questions/discussion*
 - *Last time*
 - *Branch & Bound*
 - *Today*
 - *Input parsing, "tokenizing"*
 - *PA3 review (BnB)*
 - *2-approximation*
 - *k-Optimization, getusage*
 - *Anytime algorithms*

Parsing Input

- This is a pain, especially for complex formats
- You've already done this for PA1; much of your solution should translate to PA3
- A very common problem is extracting chunks of information from a delimited string
 - "Tokenizing" a string
 - Extract ints from "1 2 3 40 5 12" or "1,2,3,40,5,12"