Lecture 4 - Wednesday, January 18

Announcements

- Assignment 1 to be released next Monday
 - + Background Study: Basic Recursion
 - + Background Study: Call by Value
 - + Look ahead: WrittenTest1



Asymptotic Analysis of Algorithms

Counting Primitive Operations





e.q. int acj = {2, 7, 4, 53 → findMax(a, alergin) Example 1: Counting Number of Primitive Operations





Example 2: Counting Number of Primitive Operations



Q. # of times Line 3 is executed?

Q. # of times loop body (Lines 4 to 8) is executed?

Q. # of POs in the loop body (Lines 4 to 8)?

Fron Absolute RT to Relative RT n Absolute RT to Relative RT t South time exercise exact time exercise token po a PO e.g. Mac M1 Zms A PO e.g. Mac M2 Zms token to exercise token po e.g. Mac M1 Zms token to exercise token po e.g. Mac M2 Zms token to exercise token token to exercise token toke e.g. Mac'14 Ums Algorithm I (7n-Z).t. abs. tap trap trap trap trap Find Max Contains

