Data Structures Exam Solutions

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Data Structures Exam Solutions

CSE 373 Final Exam 3/14/06 Sample Solution
CSE 373 Final Exam 3/14/06 Sample Solution Page 1 of 10 Question 1 (6 points) A priority queue is a data structure that supports storing a set of values, each of which has an associated key Each key-value pair is an entry in the
Exam (with answers) Data structures DIT960
Exam (with answers) Data structures DIT960 Time Monday 30th May 2016, 14:00–18:00 Place Hörsalsvägen Course responsible Nick Smallbone, tel 0707 183062 The exam consists of six questionsFor each question you can get a G or a VG To get a G on the exam, you need to answer three questions to G standard To get a VG on the exam, you need to answer five questions to VG standard
15{210: Parallel and Sequential Data Structures and Algorithms
15{210: Parallel and Sequential Data Structures and Algorithms Practice Exam I (Solutions) February 2017 There are 11 pages in this examination, comprising 6 questions worth a total of 99 points The last few pages are an appendix detailing some of the 15-210 library functions and their cost bounds You have 80 minutes to complete this examination
Data Structure and Algorithm I Midterm Examination 120 ...
Data Structure and Algorithm I Midterm Examination 120 points Time: 9:10am-12:10pm (180 minutes), Friday, November 12, 2010 Problem 1 In each of the following question, please specify if the statement is trueor false If the statement is true, explain why it is true If it is false, explain what the correct answer is and why (40 points
CSE 326, Data Structures Sample Final Exam
CSE 326, Data Structures Sample Final Exam Instructions : The exam is closed book, closed notes Unless otherwise stated, N denotes the number of elements in the data structure under consideration Answer each problem in the space provided Show your work to ensure partial credit Time: 110

minutes Problem Max Points Score 1 14 (2x7) 2 18 (3x6)

Exam Data structures DIT960 - Chalmers

Exam Data structures DIT960 Time Friday 5h June 2015, 14:00–18:00 Place Väg och vatten Course responsible Nick Smallbone, tel 0707 183062 The exam consists of six questions For a G, you need to answer three questions correctly You can ignore any parts labelled “VG” For a VG, you need to answer five questions correctly You must also answer all parts labelled “For a VG” in those

Final - Princeton University Computer Science

COS 226 Algorithms and Data Structures Fall 2011 Final This test has 14 questions worth a total of 100 points You have 180 minutes The exam is closed book, except that you are allowed to use a one page cheatsheet (85-by-11, both sides, in your own handwriting) No calculators or other electronic devices are permitted Give your answers and

15-111 Introductions to Data Structures Summer II - 09 ...

15-111 Introductions to Data Structures Summer II - 09 Midterm Exam – 80 minutes Instructions: You are allowed to bring one page of notes You will have access to APIs’

CS 112 Data Structures Midterm Exam 1

CS 112 Data Structures Midterm Exam 1 Fall, 2000 Circle your instructor/TA combination: Ikro Yoon / Rajesh Bhowmick Srikrishna Divakaran / Kiran Nagaraja Lou Steinberg,/ Haiyan Cao Barry Wittman /, Haiyan Cao Lou Steinberg,/ Steven Sanbeg Barry Wittman / Prashant Shah • Count the pages in this exam There should be 5 pages including this

Final Exam Solutions - MIT OpenCourseWare

6006 Final Exam Solutions Name 3 (j) T F [2 points] Given an adjacency-list representation of a directed graph G = (V;E), it takes O(V) time to compute the in-degree of every vertex Solution: False The adjacency list structure needs to be traversed to find the incoming edges for each vertex This structure has total size (V + E), so this

Computer Science E-119 Practice Final Exam

Computer Science E-119: Data Structures Practice Final Exam David G Sullivan, PhD page 4 of 14 6 Nodes for a doubly linked list are defined to have the following structure: next prev data The next instance variable stores a reference to the next node in the list, and the prev instance variable refers to the previous node in the list

Albert Atserias Amalia Duch Albert Oliveras Enric Rodr ...

DATA STRUCTURES AND ALGORITHMS COLLECTION OF EXAMS Albert Atserias Amalia Duch Albert Oliveras Universitat Polite`cnica de Catalunya Taula de continguts 1 Mid Term Exams 1 2 Lab Exams 89 3 Final Exams 97 4 Solutions to Mid Term Exams 191 5 Solutions to Lab Exams 215 6 Solutions to Final Exams 269 ————–– END OF THE EXAM

Data Structures 89-120, FINAL EXAM

gave partial credit to O(n) solutions (a) Since the data structure fits in memory, then conceivably, any data structure that allows logarithmic search would do Nevertheless, we would like to minimize space and time since we know that the data is static, then the best data structure is a table, sorted by the keys A

CS/ENGRD2110: Final Exam SOLUTION

exam is individual work We have scrap paper available If you are the kind of programmer who does a lot of crossing out and rewriting, you might

want to write code on scrap paper first and then copy it to the exam Write your answers in the space provided Ambiguous answers will be considered incorrect

Algorithms & Data Structures (M): Questions and Answers ...

Algorithms & Data Structures (M): Questions and Answers: Spring 2013 Duration: 120 minutes Rubric: Answer any three questions Total 60 marks 1 (a) Box 1 shows the array quick-sort algorithm Illustrate its behaviour as it sorts the following array of numbers: Your illustration must show the contents of the array, and the value of p, after

CS 542 – Advanced Data Structures and Algorithms Jonathan ...

CS 542 – Advanced Data Structures and Algorithms Jonathan Turner Final Exam Solutions 5/8/2013 - 2 - 2 (10 points) The diagram below shows an intermediate state in the execution of the round-robin algorithm The partition data structure P is just shown as a collection of subsets The leftist heaps are shown as sets of edges

Data Structures and Algorithm Analysis - Virginia Tech

1 Data Structures and Algorithms 3 11 A Philosophy of Data Structures 4 111 The Need for Data Structures 4 112 Costs and Benefits 6 12 Abstract Data Types and Data Structures 8 13 Design Patterns 12 131 Flyweight 13 132 Visitor 13 133 Composite 14 134 Strategy 15 14 Problems, Algorithms, and Programs 16 15 Further Reading 18 1

CS 542 – Advanced Data Structures and Algorithms Final ...

CS 542 – Advanced Data Structures and Algorithms Final Exam Solutions Jonathan Turner 5/12/2010 - 2 - 2 (10 points) In the Fibonacci heap shown below, the numbers are the key values How many credits are needed to ensure that the credit invariant used in the amortized analysis is satisfied?

UC Berkeley Computer Science CS61B: Data Structures ...

Mark along the line to show your feelings Before exam: [/ _____ -] on the spectrum between / and - After exam: [/ _____ -] UC Berkeley Computer Science CS61B: Data Structures Midterm #2, Spring 2017 This test ha s 8 questions worth a total of 120 points, and …