

Name:

Program#: 2

1. WRITTEN COMMUNICATION

1.1. Grammatical Correctness (Sentence Level)

- Excellent : The essay is clear, containing no grammatical or mechanical errors.
: *No points lost*
- Adequate : The essay contains minimal grammatical and mechanical errors.
: *5 points lost*
- Needs Improvement : The essay contains numerous grammatical and mechanical errors.
: *15 points lost*
- Inadequate : Sentences and paragraphs are hard to read due to poor grammar or mechanics.
: *50 points lost*

1.2. Clarity (Paragraph Level)

- Excellent : Ideas are effectively presented in well-designed paragraphs. As a result the essay is
: easy to follow.
: *No points lost*
- Adequate : Paragraphs are structured so as to present easily discerned ideas and are connected by
: basic transitions.
: *15 points lost*
- Needs Improvement : The essay is difficult to follow because of some combination of poor transitions and
: rambling paragraph content.
: *25 points lost*
- Inadequate : There is no apparent organization to the paragraphs of the essay.
: *75 points lost*

1.3. Structure and Presentation (Whole Essay)

- Excellent : Excellent: The essay presents its ideas and conclusions logically, clearly and effectively.
: *No points lost*
- Adequate : Basic ideas are logically presented, but the essay is flat or draws inappropriate
: conclusions from the ideas presented.
: *25 points lost*
- Needs Improvement : Some thoughts are discernable, but the essay is lacks sufficient organization to make an
: effective argument.
: *50 points lost*
- Inadequate : Thoughts presented do not appear organized or logical.
: *100 points lost*

1.4. Appropriateness Relative to Assignment

- Excellent : The essay addresses the assigned topic directly in the form required.
: *No points lost*
- Adequate : The essay is on the assigned topic but may not include all aspects of the topic expected
: for the assignment.
: *25 points lost*
- Needs Improvement : The essay is only peripherally related to the assigned topic or examines the topic in a
: different way than that is required.
: *50 points lost*
- Inadequate : The essay is not responsive to the theme and structure required in the assignment.
: *100 points lost*

1.5. Grader Comments

2. ALGORITHMS

2.1. Syntax (Understanding of the Notational Syntax Used to Specify Algorithms)

- Excellent : The notation is clear and syntactically correct.
: *No points lost*
- Adequate : The intended meaning is clear and there are only a few places where the notational syntax is used incorrectly.
: *10 points lost*
- Needs Improvement : The intended meaning can be discerned from the notation, but the use of the notation is incorrect in many places.
: *25 points lost*
- Inadequate : The use of notational syntax cannot be understood.
: *50 points lost*

2.2. Mechanics (Understanding How the Algorithms Work)

- Excellent : The student has demonstrated a thorough understanding of the algorithm mechanics.
: *No points lost*
- Adequate : The student has demonstrated an understanding of the algorithm mechanics, but still makes some errors.
: *10 points lost*
- Needs Improvement : The student has somewhat of a notion of how the algorithm works, but has difficulty understanding its structure and interactions.
: *25 points lost*
- Inadequate : The student has not demonstrated an understanding of the algorithm mechanics.
: *50 points lost*

2.3. Behavior (Understanding the Algorithms' Behavior in a Specific Problem Space)

- Excellent : The student has demonstrated a thorough understanding of the algorithm's behavior.
: *No points lost*
- Adequate : The student has demonstrated an understanding of the algorithm's behavior, but still misses some of the subtleties.
: *10 points lost*
- Needs Improvement : The student has somewhat of a notion of how the algorithm behaves, but insufficient to effectively employ the algorithm for problem solving.
: *25 points lost*
- Inadequate : The student has not demonstrated an understanding of the algorithm's behavior.
: *50 points lost*

2.4. Application (Understanding How-to Appropriately Match Algorithms and Problems)

- Excellent : The student has demonstrated a thorough understanding of how to match algorithms and problems.
: *No points lost*
- Adequate : The student has demonstrated an understanding of how to match algorithms and problems, but still misses some of the subtleties.
: *10 points lost*
- Needs Improvement : The student has somewhat of a notion of how to match algorithms and problems, but insufficient for effective application.
: *25 points lost*
- Inadequate : The student has not demonstrated an understanding of how to match algorithms and problems.
: *50 points lost*

2.5. Experimental Analysis (Understanding How-to Effectively Perform Experiments and Analysis)

- Excellent : The student has demonstrated a thorough understanding of how design experiments and perform analysis.
: *No points lost*
- Adequate : The student has demonstrated an understanding of how to design experiments and perform analysis, but still misses some of the subtleties.
: *10 points lost*
- Needs Improvement : The student has somewhat of a notion of how to design experiments or perform analysis, but either not both or neither effectively.
: *25 points lost*
- Inadequate : The student has not demonstrated an understanding of how to design experiments and perform analysis.
: *50 points lost*

2.6. Grader Comments

3. PROGRAM

3.1. Documentation

- Excellent : The documentation uses a standard for code commenting, is well written, and clearly explains what and how the program accomplishes.
: *No points lost*
- Adequate : The documentation uses a standard for code commenting, but does not clearly explain what the program is trying to accomplish.
: *5 points lost*
- Needs Improvement : The program contains a minimum amount of documentation.
: *50 points lost*
- Inadequate : The program does not contain any helpful documentation.
: *100 points lost*

3.2. Specifications

- Excellent : The program works and meets all of the specifications.
: *No points lost*
- Adequate : The program works and produces the correct results and displays them correctly. It also meets most of the other specifications.
: *25 points lost*
- Needs Improvement : The program produces correct results but does not display them correctly.
: *50 points lost*
- Inadequate : The program produces incorrect results.
: *100 points lost*

3.3. Readability

- Excellent : The code is exceptionally well organized and very easy to follow.
: *No points lost*
- Adequate : The code is fairly easy to read.
: *5 points lost*
- Needs Improvement : The code is readable only by someone who knows what it is supposed to be doing.
: *50 points lost*
- Inadequate : The code is poorly organized and very difficult to read.
: *100 points lost*

3.4. Grader Comments