

“Speed Up Your Algorithm” Assignment Grading Rubrics

Criteria	Unacceptable	Major Errors	Minor Errors	Competent
Points:	0			20
Programming Competence	The new algorithm is not faster than the original algorithm and is not competitive with the posted execution times.			The new algorithm represents a significant “speed up” from the initial attempt or is competitive with the posted executions times.
Points:	0			60
Rationale for Tactics	No rationale is given or the tactics selected are not logically tied to the operations required in the algorithm.			The motivation presents good logic for using the data structures and other methods that were employed in this assignment.
Points:	0			15
Big Oh Computations	Computations are not attempted or do not reflect the algorithm structure.			The Big Oh computations reasonably reflect the algorithm structure and are computationally correct
Points:	0			5
Other Observations				A significant attempt was made to observe and explain the experience relating to the completion of this assignment.

For discussion Board activities

Criteria	No Effort or Content	Marginally Beneficial	Relevant and Useful	Exemplary
Points:	0			
Original Posts	No post was attempted	A thread was started but the topic and content were not significant contributions to the theme of the discussion assignment.	A thread was started but the topic was either not new to the discussion board or its significance was less than that of contributions judged to be at the Exemplary level.	A discussion thread was started that either posed a provocative and relevant question or was significantly insightful, and represented a viewpoint that was not previously included on the discussion board.
Points:	0			
Response Posting	No post was attempted or the response had no substance, such as "I totally agree!"	The comment was related to the discussion to a small degree and did not provide a significant insight that participants would find useful or beneficial.	The comment is related to the original post, but is not among the most significant or original comments in the discussion board.	The response provides a relevant or insightful countervailing viewpoint, expounds on the point originally made, or relates the original post to an important related question. These contributions are insights that are the first such comments to appear on the discussion board.