

Algorithm Analysis Grading Rubric

Category	Poor	Fair	Good	Excellent
Description of algorithm	The description is neither clear nor correct. (2 points)	The description is either clear or correct but not both. (4 points)	The description is mostly clear and mostly correct. (8 points)	The description is clear and correct. (10 points)
Asymptotic Runtime 1	The analysis is neither clear nor correct. (2 points)	The analysis is either clear or correct but not both. (4 points)	The analysis is mostly clear and mostly correct. (8 points)	The analysis is clear and correct. (10 points)
Asymptotic Runtime 2	The analysis is neither clear nor correct. (2 points)	The analysis is either clear or correct but not both. (4 points)	The analysis is mostly clear and mostly correct. (8 points)	The analysis is clear and correct. (10 points)
Asymptotic Lower Bound	The analysis is neither clear nor correct. (2 points)	The analysis is either clear or correct but not both. (4 points)	The analysis is mostly clear and mostly correct. (8 points)	The analysis is clear and correct. (10 points)
Reference 1 Citation	The reference appears to exist, but no verification is possible due to missing or confusing information. (0.1 points each)	The reference was possible to find with the information given (0.5 points each)	The reference is easy to find, but was purposefully presented as difficult to find to make the reference appear special. (1.5 points each)	The reference is easy to find with the information given (2 point each)
Reference 2 Citation				
Reference 3 Citation				
Reference 4 Citation				
Reference 5 Citation				
Reference 1 Justification	The justification makes no sense (1 point each)	The justification does not agree with the instructor's assessment, but makes some sense. (3 points each)	The justification does not agree with the instructor's assessment, but makes a convincing argument. (5.5 points each)	The justification agrees with the instructor's assessment. (6 points each)
Reference 2 Justification				
Reference 3 Justification				
Reference 4 Justification				
Reference 5 Justification				
Presentation	The project doesn't look professional and is difficult to read (6 points)	The project either doesn't look professional or is difficult to read (12 points)	The project mostly looks professional and is mostly pleasing to read. (18 points)	The project looks professional and is pleasing to read. (20 points)