Assessment

Assignment can be used to improve you grade

▶ If you obtain a bonus your grade will improve according to the following function

\[ f(x) = \begin{cases} \frac{1}{10} \text{round} \left( 10 \left( \frac{\text{round}(3x) - 1}{3} \right) \right) & 1 < x \leq 4 \\ \text{otw.} \end{cases} \]

▶ It will improve by 0.3 or 0.4, respectively.

Examples:

▶ 3.3 → 3.0
▶ 2.0 → 1.7
▶ 3.7 → 3.3
▶ 1.0 → 1.0
▶ > 4.0 no improvement

Requirements for Bonus

▶ 50% of the points are achieved on submissions 1–7,
▶ 50% of the points are achieved on submissions 8–13,
▶ each group member has written at least 4 solutions.

1 Contents

▶ Foundations
  ▶ Machine models
  ▶ Efficiency measures
  ▶ Asymptotic notation
  ▶ Recursion
▶ Higher Data Structures
  ▶ Search trees
  ▶ Hashing
  ▶ Priority queues
  ▶ Union/Find data structures
▶ Cuts/Flows
▶ Matchings

2 Literatur


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Volker Heun: 
Grundlegende Algorithmen: Einführung in den Entwurf und die Analyse effizienter Algorithmen, 

Jon Kleinberg, Eva Tardos: 
Algorithm Design, 
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Christos H. Papadimitriou, Kenneth Steiglitz: 
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