Assessment

Assignment can be used to improve your grade

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

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

- 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

- Alfred V. Aho, John E. Hopcroft, Jeffrey D. Ullman: The design and analysis of computer algorithms, Addison-Wesley Publishing Company: Reading (MA), 1974