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# **Discrete Mathematics for Bioinformatics (P1)**

**WS 2011/12**

**Exercises 0**

## **1. Background Reading I (Niveau I)**

Read the article *Computational Thinking* by Jeannette Wing. Mrs. Wing elaborates on seven characteristics of computational thinking. Write a short essay about the two characteristics you agree or disagree most (half a page).

## **2. Background Reading II (Niveau I)**

Read chapter 1 and 2 of Corman, Leiserson, Rivest: Introduction to Algorithms. Solve problem 1.2.-3.

## **3. Background Reading III (Niveau II)**

Read up to and including chapter 1.2 of Motwani, Raghavan: Randomized Algorithms. Can you give an example of a Monte-Carlo and a Las-Vegas style algorithm?