

Final Exam Preparation

The resources for the exam (subjects from previous years, lectures from previous years) and general tips have already been given in file "Exam preparation" from Week 8.

Other additional mentions:

- For the KMP algorithm, be careful to follow the definition of the prefix function given this year (the material from Week 9 has been modified to match the 2023 lecture)
- In case of Greedy, DP & BKT, besides understanding the problems discussed during lectures and seminars, depending on how much time you have, you can also practice on other sites that have free access to tutorials and solutions (for example, Infoarena or Leetcode).
- In case of BKT, besides writing the actual pseudocode & implementation, it is also important to know how to apply the following concepts: solution representation, initial solution, partial solution, complete solution, viable solution.
- Try to cover all discussed topics (pattern matching algorithms, Greedy, DP, BKT & BB), as each subject usually covers a different topic.
- Just as in the case of the partial exam, it is very likely that at least one subject in the exam might have been already discussed during the lectures or the seminar (or might be a slight modification of something already discussed)

Good luck!