

**Instructions.** (110 points) Solve each without error. Passing is 100%.

We summarize the information in the test. (Compile three times.)

Section I: 1–7, this section has 7 problems.

Section II: 8–11, this section has 4 problems.

Section III: 12–17, this section has 6 problems.

Section IV: 18–22, this section has 5 problems.

(5<sup>pts</sup>) 1. Problem from Section I

(5<sup>pts</sup>) 2. Problem from Section I

(5<sup>pts</sup>) 3. Problem from Section I

(5<sup>pts</sup>) 4. Problem from Section I

(5<sup>pts</sup>) 5. Problem from Section I

(5<sup>pts</sup>) 6. Problem from Section I

(5<sup>pts</sup>) 7. Problem from Section I

(5<sup>pts</sup>) 8. Problem from Section II

(5<sup>pts</sup>) 9. Problem from Section II

(5<sup>pts</sup>) 10. Problem from Section II

(5<sup>pts</sup>) 11. Problem from Section II

**Section III.** You can separate the sections of the test with an header, like this one.

(5<sup>pts</sup>) 12. Problem from Section III

(5<sup>pts</sup>) 13. Problem from Section III

(5<sup>pts</sup>) 14. Problem from Section III

(5<sup>pts</sup>) 15. Problem from Section III

(5<sup>pts</sup>) 16. Problem from Section III

(5<sup>pts</sup>) 17. Problem from Section III

**Section IV.** You can separate the sections of the test with an header, like this one.

- (5<sup>pts</sup>) **18.** Problem from Section IV
- (5<sup>pts</sup>) **19.** Problem from Section IV
- (5<sup>pts</sup>) **20.** Problem from Section IV
- (5<sup>pts</sup>) **21.** Problem from Section IV
- (5<sup>pts</sup>) **22.** Problem from Section IV

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