CSE200A: Competitive Programming I (Summer 2019) July 2019 Long Challenge

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1 Intoduction

Try solving at least first five problems from Division 2. Questions will be asked in end-sem exam, **based on concepts used only in the first five problems**. Rest of the concepts are for reading purposes.

2 Editorials (Div. 2 + Div. 1)

All of the editorials can be found here.

3 Key Concepts Used

3.1 Must do topics

- Modular Arithmetic

- Properties of XOR

- Chinese Remainder Theorem

- Number Theory(Covered in Reading 1)

- Dynamic Programming(Covered in Reading 2)

3.2 Topics for reading purpose

- The Josephus Problem

- Convex Hull Trick

- Minimum Cost Maximum Flow

- Centroid Decomposition