Goal

- Finish upsolving yesterday's contest.
- Today we will take a look at the following:
 - Prefix Sums
 - Two Pointers

Resources

Prefix Sums

- https://darrenyao.com/usacobook/cpp.pdf#page=59
 - ullet Read about 1D prefix sums.
 - ullet 2D prefix sums use the same concept. (optional read)

Two Pointers

- https://usaco.guide/CPH.pdf#page=87
 - Read through the explanation see how they solve the following:
 - 1. Find a subarray with a required sum.
 - 2. Find two values in a sorted array that have a required sum.

Problems

Prefix Sums

- 1. https://cses.fi/problemset/task/1646
- 2. https://cses.fi/problemset/task/1662/
 - Hint: Find prefix sums with same value modulo n.

Two Pointers

- 1. https://cses.fi/problemset/task/1640
 - Hint: Sort the array but store the original index of each value.
- 2. https://cses.fi/problemset/task/1660
 - Solve using a prefix sum and two pointers.