

Junior Knights Contest Course Spring 2024 2/3/2024 – Outline

I. Homework Time – Catch Up

Guess The Data Structure: <https://open.kattis.com/problems/guessthedatastructure>

Class Field Trip: <https://open.kattis.com/problems/classfieldtrip>

Closing the Loop: <https://open.kattis.com/problems/closingtheloop>

Messy lists: <https://open.kattis.com/problems/stokigalistor>

II. Break

IV. Lecture - Math

A. GCD, LCM

B. Prime Factorization

C. Prime Sieve

D. Cumulative Frequency

E. Maximum Contiguous Subsequence Sum

V. Practice Problems:

Das Blinken Lights: <https://open.kattis.com/problems/dasblinkenlights>

Choosing Numbers: <https://open.kattis.com/problems/choosingnumbers>

Goldbach's Conjecture: <https://open.kattis.com/problems/goldbach2>

Commercials: <https://open.kattis.com/problems/commercials>

Challenge Problems

Brackets: <https://open.kattis.com/problems/brackets>

Primal Representations: <https://open.kattis.com/problems/primalrepresentation>