

Junior Knights Contest Course Spring 2024 4/6/2024 – Outline

I. Warm Up Problems

Magic Trick: <https://open.kattis.com/problems/magicktrick>

Drunk Vigenere: <https://open.kattis.com/problems/drunkvigenere>

Greedy Polygons: <https://open.kattis.com/problems/greedypolygons>

II. Lecture: Dynamic Programming Intro

A. Fibonacci Numbers

B. Combinations

C. Live Coding (<https://open.kattis.com/problems/hopavinna>)

(<https://cses.fi/problemset/task/1635>)

(<https://open.kattis.com/problems/robotsonagrid>)

III. Break

IV. Practice Problems

Dice Combinations: <https://cses.fi/problemset/task/1633>

Grid Paths: <https://cses.fi/problemset/task/1638>

Keyboards in Concert: <https://open.kattis.com/problems/keyboardconcert>

Challenge Problems

Nikola: <https://open.kattis.com/problems/nikola>

Array Description : <https://cses.fi/problemset/task/1746>