SUMMER OF CODE

ISIS 2801

FLAG L A B

Objective

- Train for the upcoming competitions.
  - Everyone should go to the regional ~September
  - Everyone should be well prepared to perform at the regional competition ~November
- Work on your team
- Create your own notebook
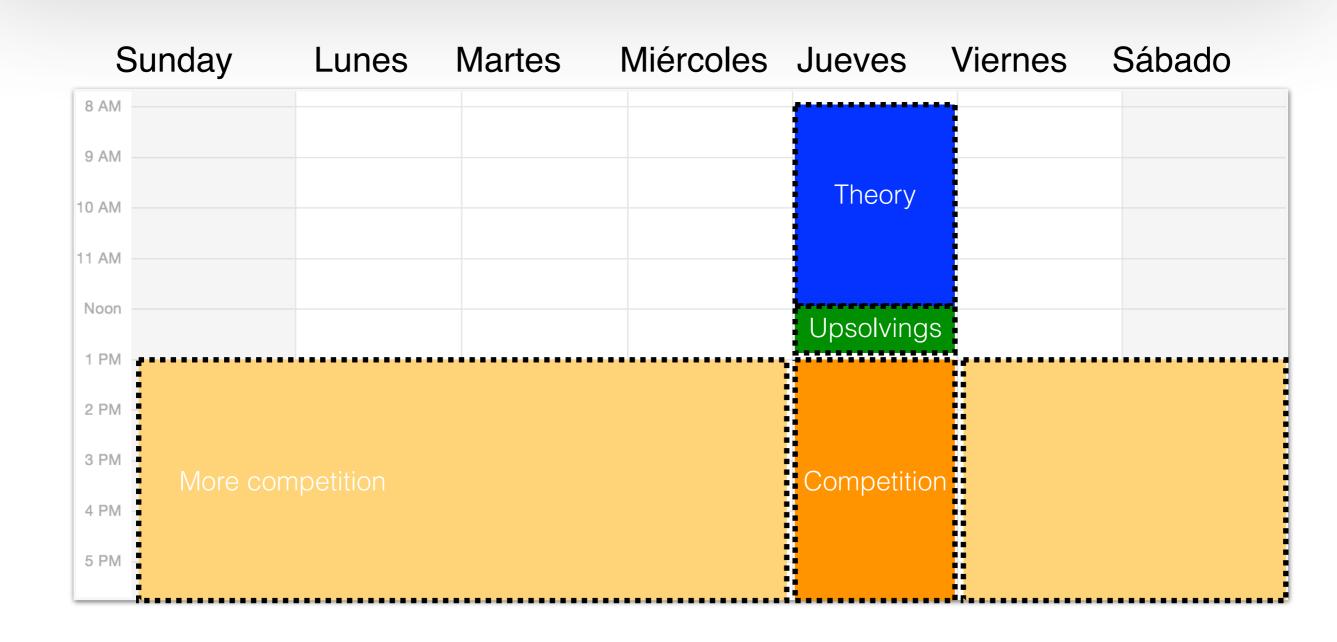- Get familiar with the competition tools (world finals edition)

What this is

- A means to make **you** practice
  - If you want to do something more than your talent, **you have to put in the work ~30h per week**

- Collaborative space
  - Help each other!
  - look at the competition

What this is not

- This is **not** a class
- NO you do whatever while I talk
- NO passive participation
- This is **not** a training camp... or is it

Organization

Topics

week1   Graph basics

week2   DP

week3   prefix - sufix structures

week4   Combinatorics

week5-9   Up to you

week10   Holidays

Activities

- Code minimization
- Against the clock competitions
- Reading exercises (about problems)
- Run time estimations
- Code structuring
- Testing and debugging

Communication

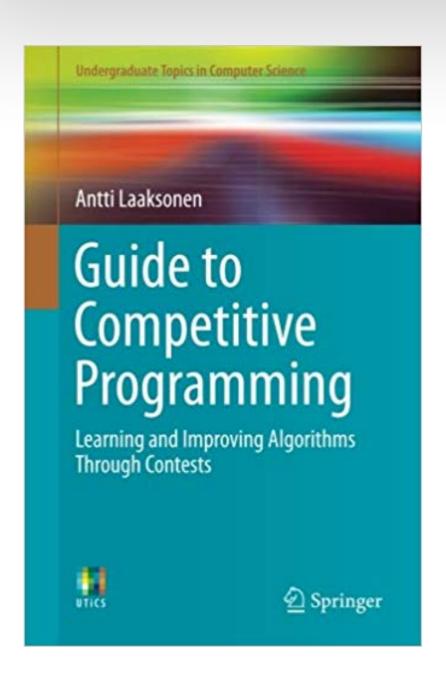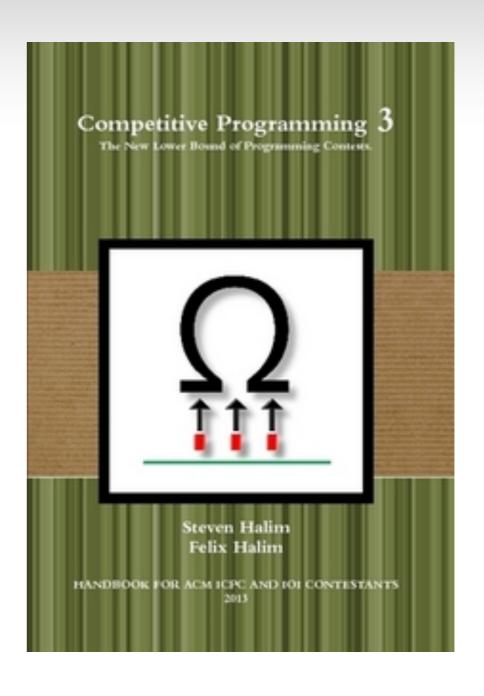|	
Slack	realbrogrammers.slack.com
Email	mailing list with everyone
Git	mua-uniandes/subjects_material
Whatsapp	promos rappi avanzado

Problems

http://stopstalk.com/

vjudge - http://vjudge.net

atCoder - https://atcoder.jp

uva - http://uva.onlinejudge.org/

Codeforces - http://codeforces.com (2 semana)

codechef - http://codechef.com (3 mes)

Sopj - http://spoj.com

Hackerrank - http://hackerrank.com

Register now!

Books

Books

THOMAS H. CORMEN
CHARLES E. LEISERSON
RONALD L. RIVEST
CLIFFORD STEIN

INTRODUCTION TO
ALGORITHMS

THIRD EDITION