1s. Introduction

Learning Goals (today)
- Introduce ourselves
- Understand motivating questions of computational complexity
- Brainstorm group work strategies
- Learn about learning and connect to course structure

Introductions
- Name, pronouns (if want)
- One thing that made you happy over Winter term
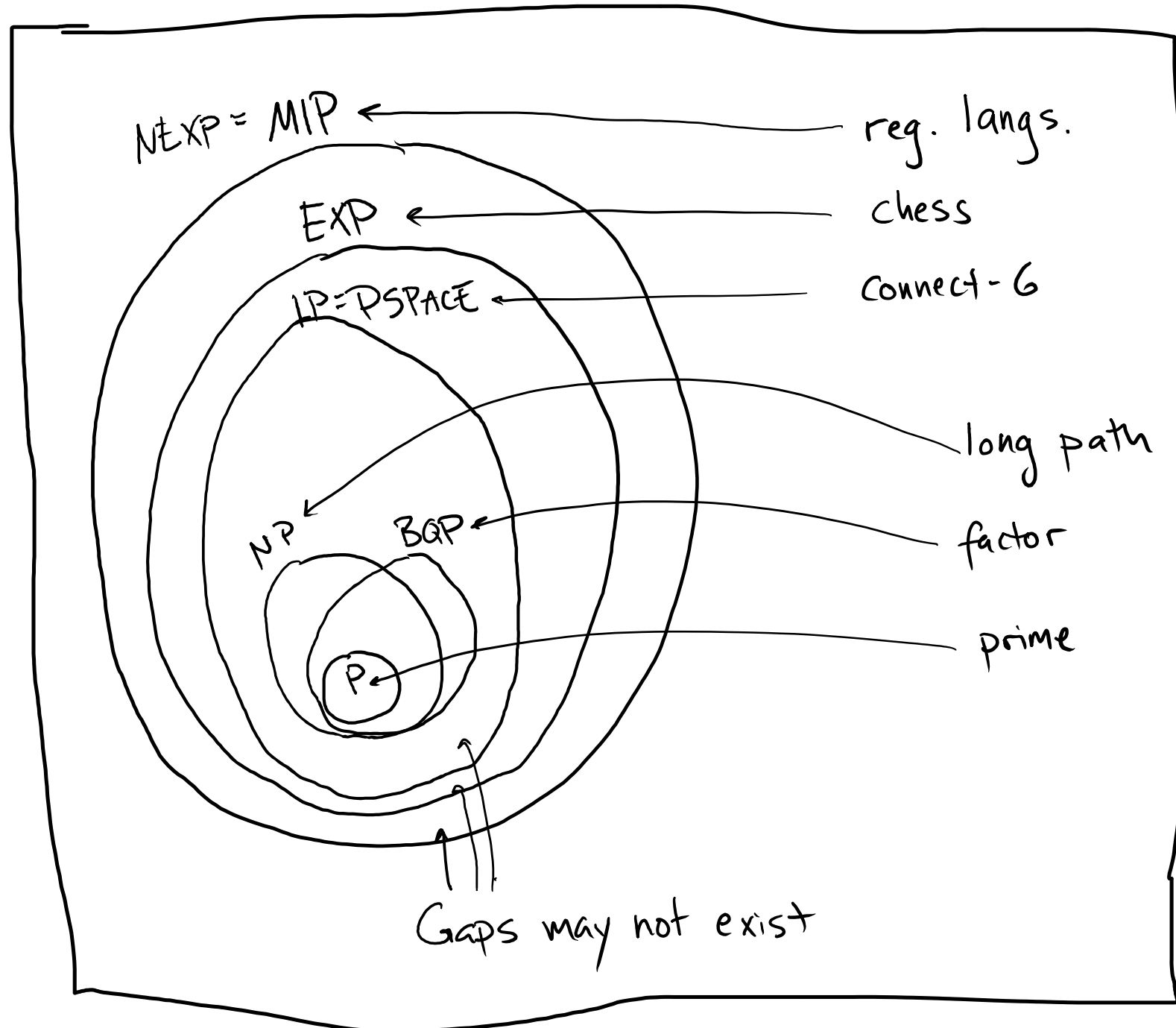- Why are you interested in this class?

What is Computational Complexity?
- What resources are required to solve a problem?
- What is the relative power of computational resources?

Activity:
https://projects.invisionapp.com/freehand/document/VQTq6Ffg1

Set of all Problems:

How are we going to get there?

Group Problem Solving
Good group work often doesn't feel easy, but it should feel respectful
What do to when things get challenging?

As a group:
- Brainstorm potential difficulties that might arise in group problem solving sessions. Then brainstorm solutions. (Think about how all people in the group can contribute to a more positive group/learning environment.)
  - Example difficulty: You suggest an idea, and no one seems to notice. A couple minutes later, another groupmate who you know has done well in past CS classes suggests a very similar idea that everyone else supports and moves forward with.
  - https://docs.google.com/document/d/1osE8W7LaD7NhwoLSkHjHpwTnpr5lhQwc_IgpoNw--hE/edit?usp=sharing

Announcements/Logistics:
- Apply to do research with a CS prof https://forms.gle/kn6Tw83whKY6WVDH9
- Upcoming assignments (go/cs401)
- Office Hours this week: 1:30-4:30 Thursday (hybrid) or by appt
- Will post notes and videos of course (video only accessible to class)
- Exit tickets