Learning Goals (Today)

- Define Algorithms
- Understand Course Structure
- Develop Group Work Strategies

Announcements / Logistics

- Apply to do research with CS profs in summer
  go/cs_summer_research & contact profs via e-mail
- Upcoming assignments (Getting to know you, participation, rough draft)
- Office Hours (this week only), Th 2:30-4:00, Fr 9-10:30
- Tutoring hours

Mon	Thurs
PSet, Participation Check-In	Rough Draft, Quiz, Self-assessment

Which are algorithms?

A. Travel to Cambridge

Not clear.
Which Cambridge?

B.
```
int i = 1;
while (i < 5) {
    i = i * -1;
}
```

Infinite

Algorithm def:
A finite, clearly defined sequence of instructions for carrying out a task.

OK

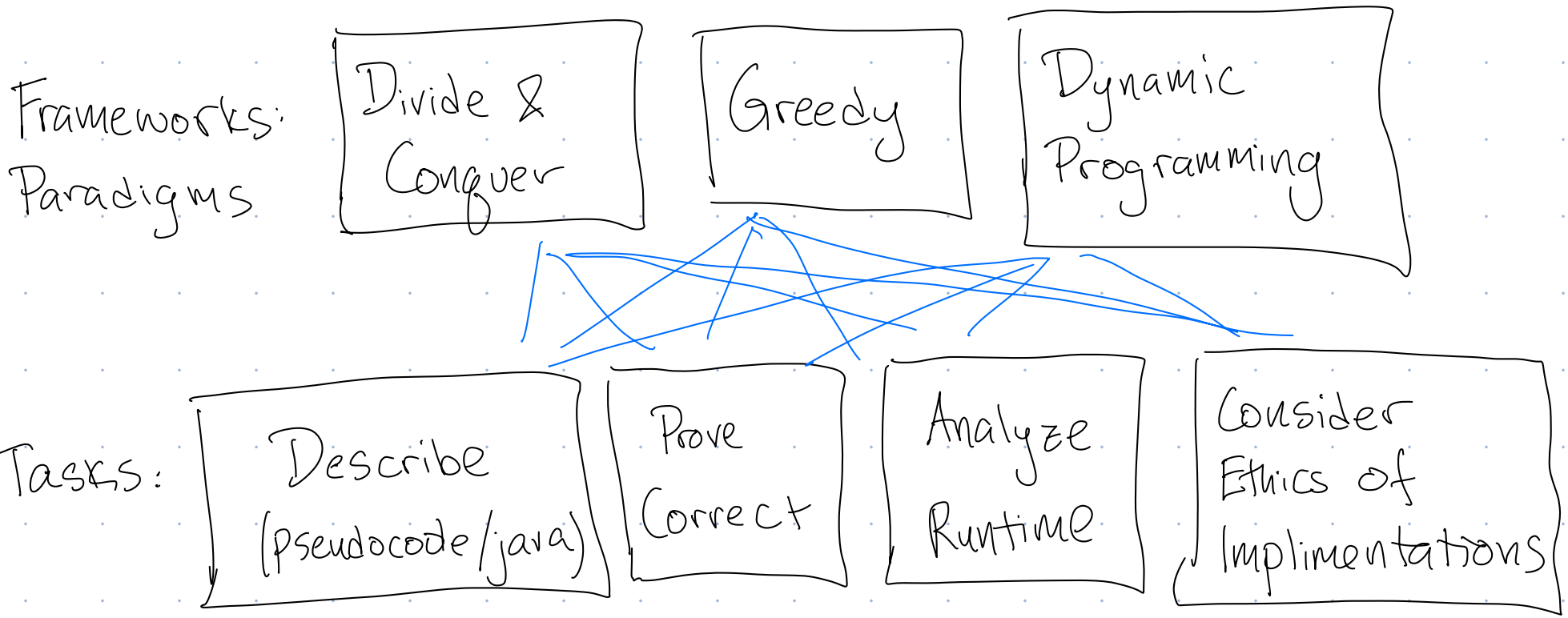
C. function Fib(i)
- Input: integer i: $i \geq 0$
- Output: i^{th} Fibonacci number

If $i \in \{0,1\}$ then return i
Return Fib(i-1) + Fib(i-2)

No task

D.
```
public static void fun(int j){
    int k = 1;
    k++;
}
```

Plan for Semester



+ NP-completeness (comparing difficulty of problems)

Learning Goal: Become a better learner + collaborator

Think of something you are good at.
How did you get good at it?
Did you ever make mistakes?
What did you do when you made a mistake?

- Revisions possible for all assignments
- Credit / No credit + feedback

Group work: in class, not graded, help to learn,
I will provide solution, in groups ~3 wks

- be a better team member
- by explaining
- by asking questions
- making mistakes

go/CS302A_group
go/CS302B-group