## Learning Goals (Today)

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

## Announcements

- Office Hours: T/Th: 12:30-1:30, 3:30-4:00
- Upcoming Assignments: Getting to know you quiz, Rough Draft, exit tix (Today ↑)
- Course Assistant Drop-in Hours TBD
- Lecture notes, video ↖ only accessible to our class
- Weekly schedule
- What I did over the summer

Which are algorithms?

A. Travel to Cambridge

Not Clearly defined

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

Not finite

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)

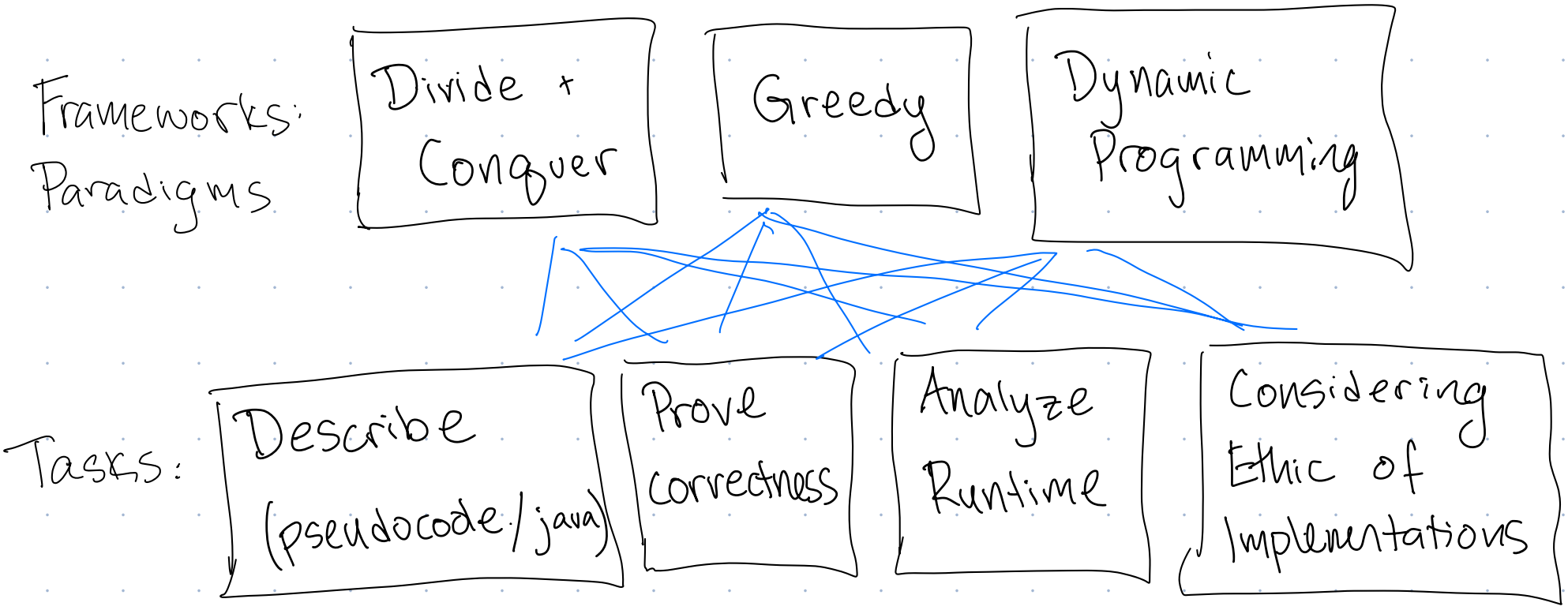
Alg def

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

No task

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

# Plan for Semester




+ NP-Completeness (comparing difficulty of problems)

go/cs302

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?

- PSets → Effort
- Quizzes, Assessments
  ⇩
  unlimited revisions
  credit/no credit

Group work: in class, not graded, help to learn

Announcements