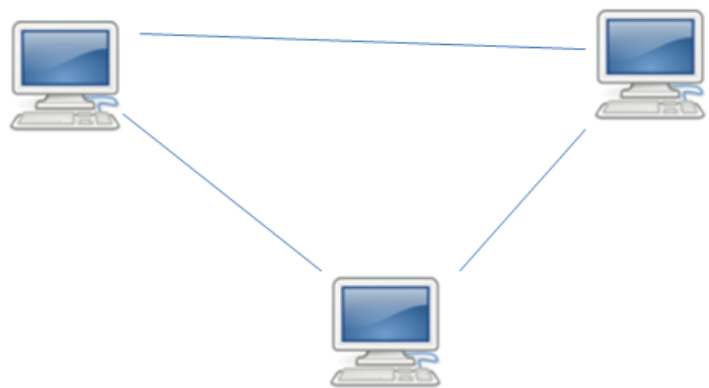


ECS 2-2 Problem Solving

Journal: What are the steps you use to solve a problem?

Prior to modern routing and the internet, very secure systems (think Pentagon) had to be wired directly from one to another. So If you have 3 computers as shown, you will have 3 wires.



How many wires will you need to connect a system of 10 computers.

How many wires will you need to connect a system of n computers.

Notes on problem solving process

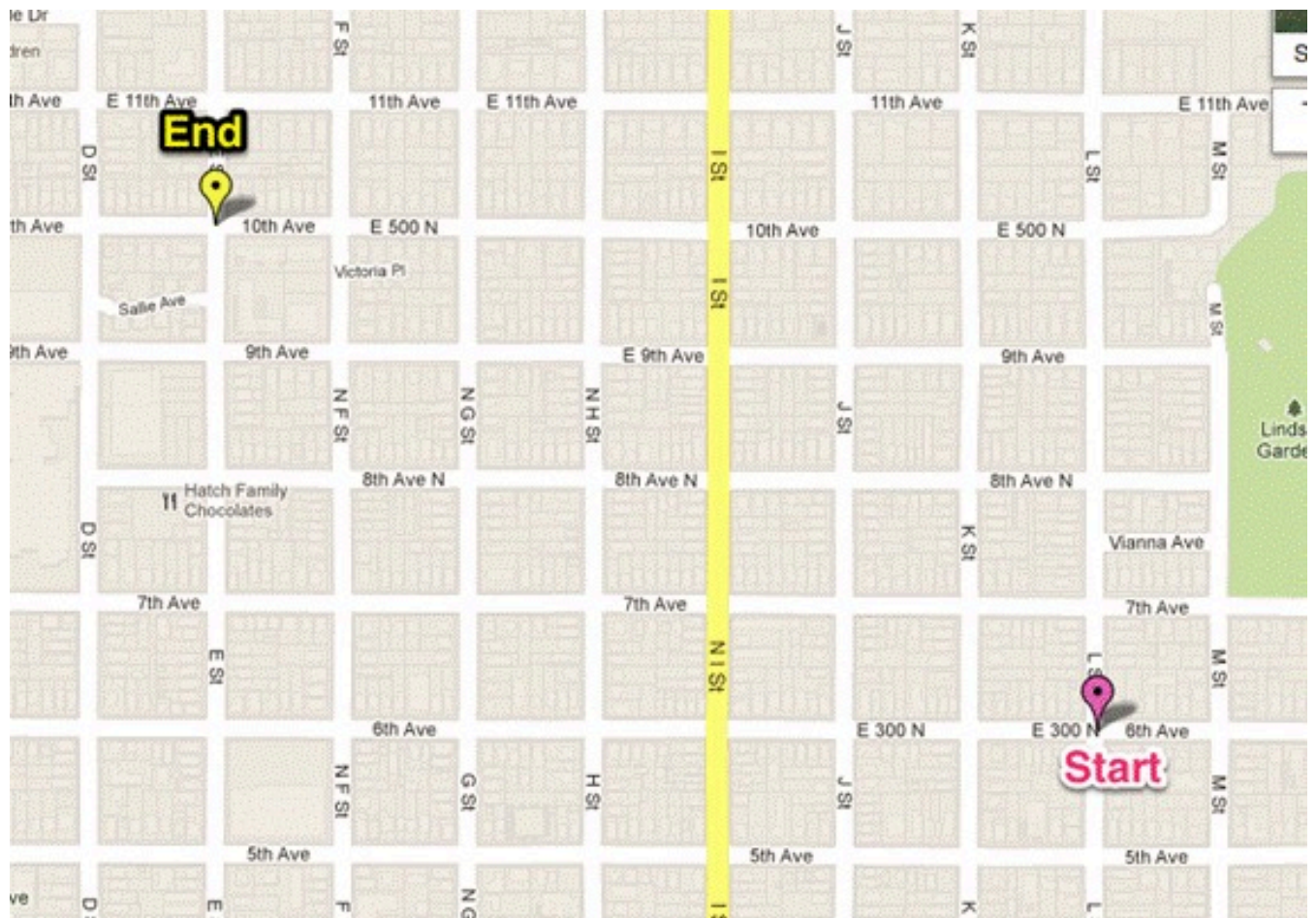
1. Understand the problem
2. Make a plan (use pictures, charts, act it out, whatever) to come up w/ a plan
3. Carry out plan
4. Review and reflect
- 5.

Problem:

Galen is a dog, and his friend Mohammed is a bird. They live in Salt Lake City, where the streets are 100 yards apart and arranged in a square grid. They are both standing at 6th and L. They are about to race to 10th and E. Galen is going to run and Mohammed is going to fly.

How many yards does Galen run?

How far does Mohammed fly? Use pythagorean triangle.



If Mohammed starts at (x_1, y_1) and flies to (x_2, y_2) , how far does he fly?