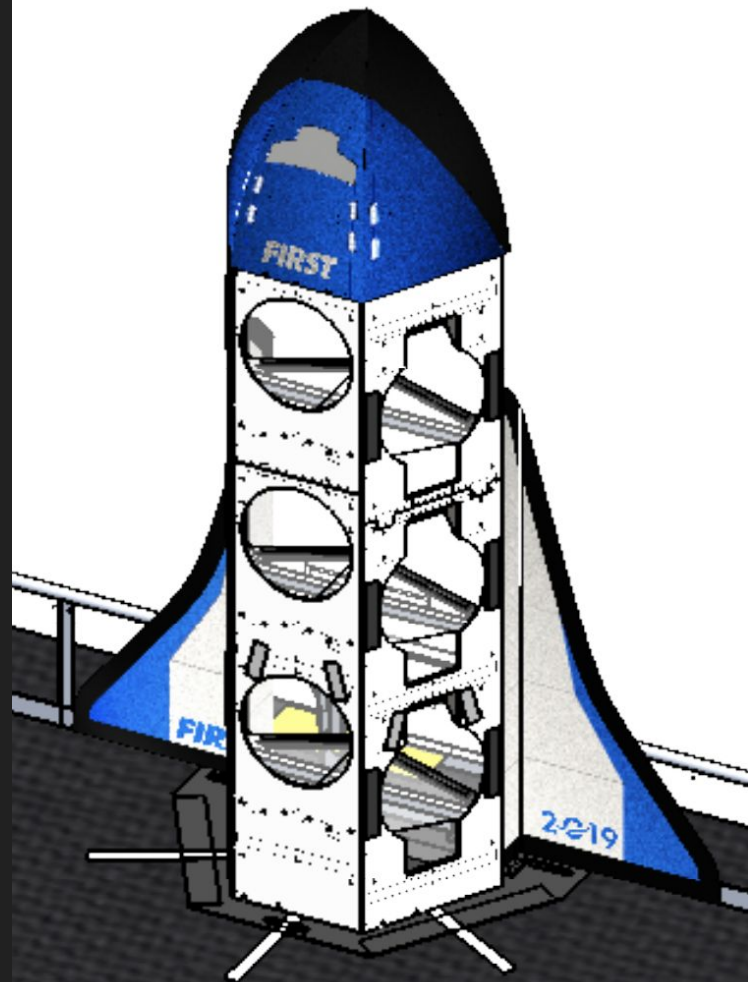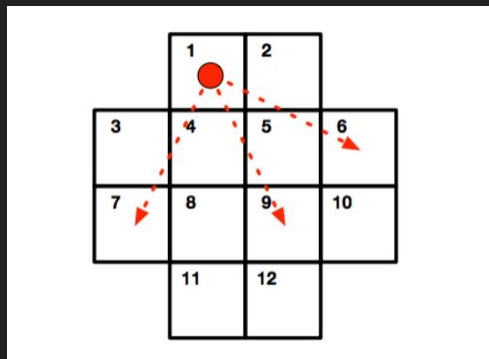# 3647 Programming

What we'll be learning today

- Print statements and Variables
- Conditional statements and Operators
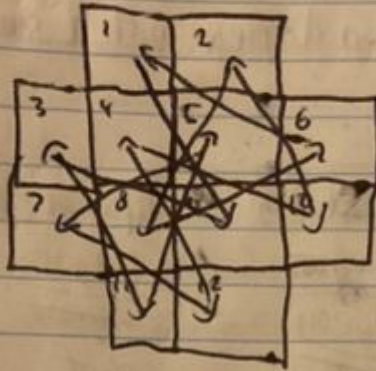
Printing Sensor Values

Kangaroo Cross Problem

- A Kangaroo is able to move on a small cross-shaped area. She can move two spaces in one direction and then move one square at right angles, or vice versa as shown. She jumps to the new square without visiting any in between, and must always land on one of the numbered squares. Find a sequence of moves that starts from square 1, visits every square exactly once by making Kangaroos jumps. She needs to finish where she started.

Solution

Kangaroo moves like chess horse.

num 1 → num 9
num 9 → num 3
num 3 → num 11
num 11 → num 5
num 5 → num 7
num 7 → num 12
num 12 → num 4
num 4 → num 10
num 10 → num 2
num 2 → num 8
num 8 → num 6
num 6 → num 1.