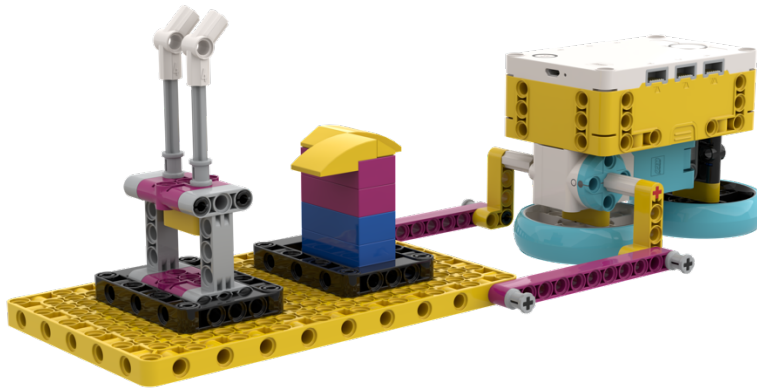


SPIKE Prime Earthquake Simulator

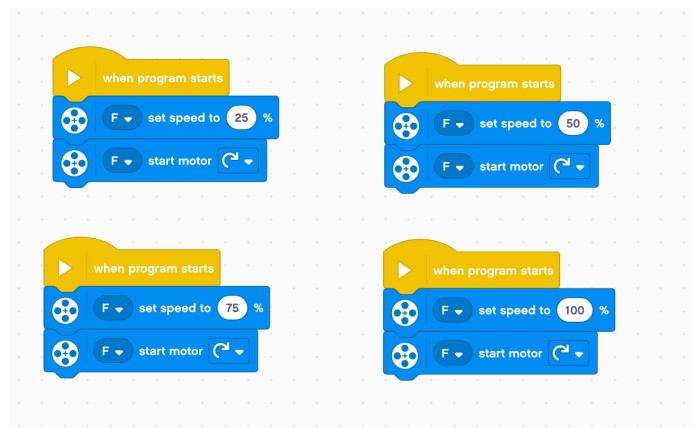
Sanjay Seshan and Arvind Seshan



Step 1: Build the Earthquake Simulator using the build instructions provided

Step 2: Create different buildings using available LEGO brick. Two sample builds are provided with the instructions. Change the height, create wider and narrower bases, and try out different designs for your buildings.

Step 3: Create a program that varies the shaking of the platform. Change the speed value from 25-100% and observe what happens to the buildings.



Note: You that can also use the default program on the Hub. When you turn on the hub, select the default Heart program. Press the right button to start the motor. The more you press the right button, the more power the motor will get.

Step 4: Record which building topples first and share your findings.