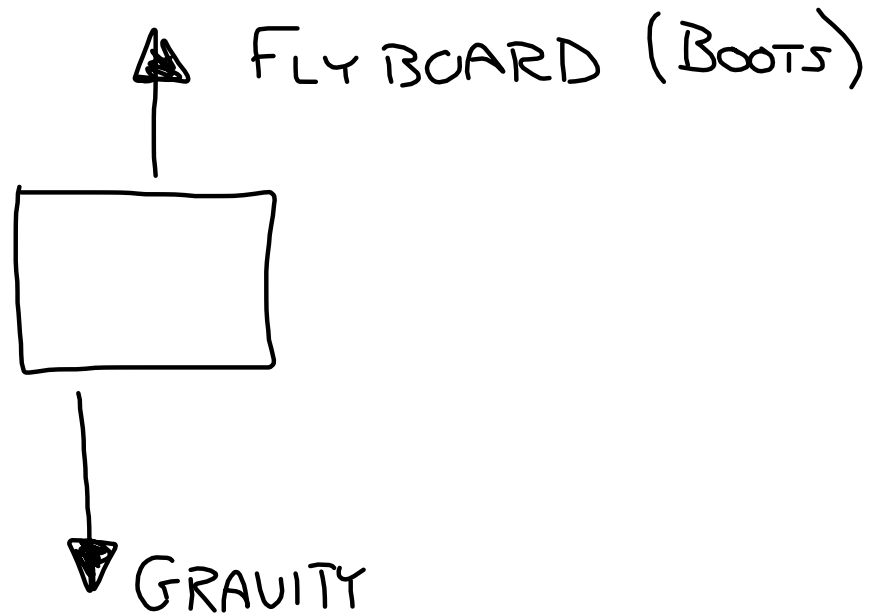
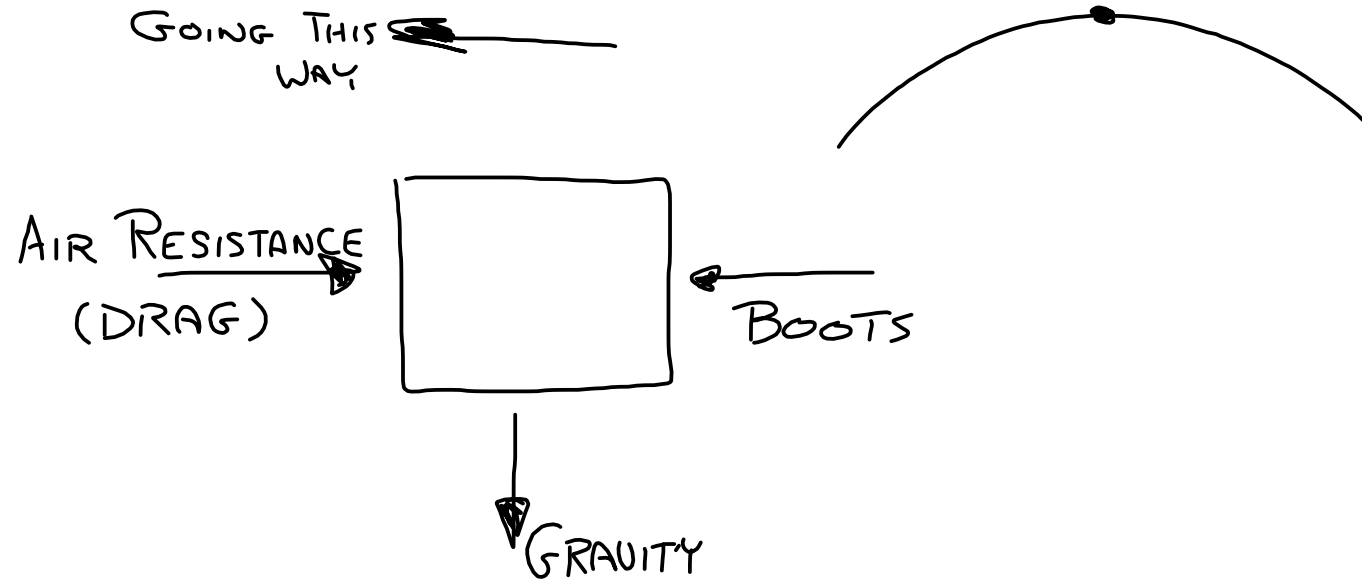


FBD of person on the flyboard motionless in the air



FBD of dolphin dive at the top of the arc



- THE PERSON IS ACCELERATING DOWNWARD (THEY'RE DIRECTION IS CHANGING) BECAUSE OF AN UNBALANCED FORCE (GRAVITY)
- HIS HORIZONTAL VELOCITY IS NOT CHANGING BECAUSE THERE IS NO UNBALANCED HORIZONTAL FORCE.

Draw a FBD:

Scenario

