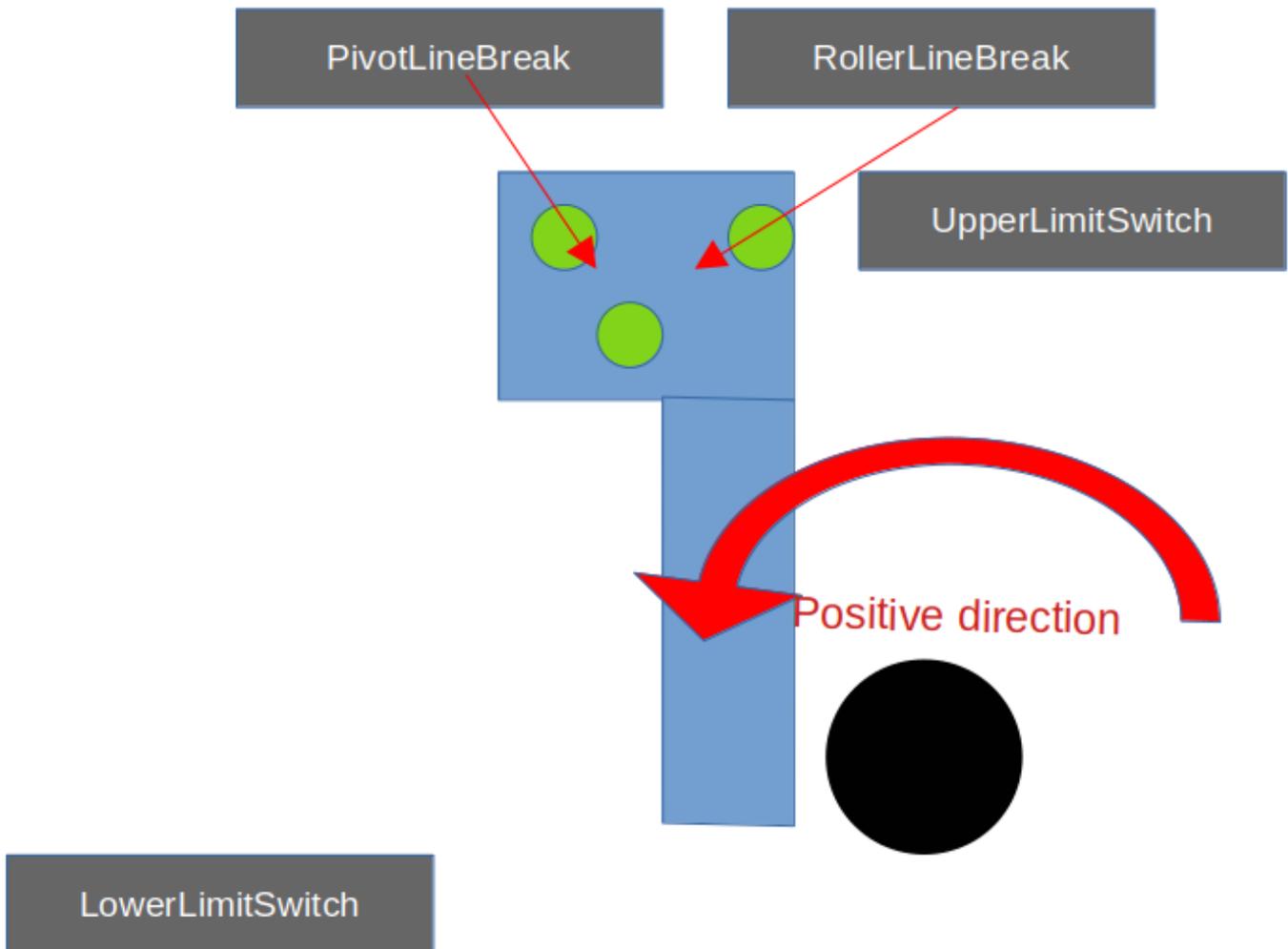


Intake Logic



We need to ensure the direction of the motor is correct before we go.

Take a look at `runPivot()` within `Intake()` which uses the limit switches to protect the mechanism

State Machine

Review state machines with this video: https://www.youtube.com/watch?v=-Yicg2TTMPs&ab_channel=MATLAB

We have a state machine for our pivot. Check out the states defined in `intake`

Then look how the states are defined within `periodic()`

You will now need to implement the command `PivotRetract` by changing the state of the pivot;

Intake command

there are a few additional commands that need to be implements for our intake command to function

Take a look at the TODO and implement those commands.

LoggedTunableNumbers

test you work if it performs correctly change your hardcoded numbers into LoggedTunableNumbers so we can easily change the following

- pivot deploy and retract voltage
- intake roller voltage
- Wait time from the time linebreak is triggered and rollers stop

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