

```
when started
set drive velocity to 100 %
repeat 3
  repeat until DownEye detects blue ?
  drive forward
  stop driving
  energize Magnet to boost
  turn right for 180 degrees
  drive forward
  wait until distance in mm < 200
  stop driving
  energize Magnet to drop
  turn right for 180 degrees
  turn right for 90 degrees
  drive forward for 790 mm
  turn left for 90 degrees
repeat 3
  repeat until DownEye detects red ?
  drive forward
  stop driving
  energize Magnet to boost
  turn right for 180 degrees
  drive forward
  wait until distance in mm < 200
  stop driving
  energize Magnet to drop
  turn right for 180 degrees
  turn right for 90 degrees
  drive forward for 790 mm
  turn left for 90 degrees
repeat 3
  repeat until DownEye detects green ?
  drive forward
  stop driving
  energize Magnet to boost
  turn right for 180 degrees
  drive forward
  wait until distance in mm < 200
  stop driving
  energize Magnet to drop
  turn right for 180 degrees
stop driving
stop project
```