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// lift.cpp: Source file for utilities relating to the lift
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//
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#include "../include/lift.hpp"
namespace lift {
  side_t left;
  side_t right;
  sensors::pot_t* sensor = &sensors::lift;
 void side_t::set(int power) {
    side_t::topM.set(power);
    side_t::midM.set(power);
   side_t::lowM.set(power);
  void init(void) {
    left.topM = motors::init(2, 1, .5, .8);
   left.midM = motors::init(3, -1, .5, .8);
   left.lowM = motors::init(4, 1, .5, .8);
   right.topM = motors::init(7, -1, .5, .8);
    right.midM = motors::init(8, 1, .5, .8);
   right.lowM = motors::init(9, -1, .5, .8);
    left.sensor = &sensors::lift;
   right.sensor = &sensors::lift;
 void set(int power) {
    left.set(power);
   right.set(power);
 void lock(void) {
```

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set(lockN);
 void to(position pos, int int_pos, int tolerance) {
    if (int_pos == -1)
      int_pos = pos;
   do {
      set((int_pos > sensor->value() + tolerance | |
           int_pos < sensor->value() - tolerance)
              ? (sensor->value() - int_pos) * 1.5
              : (sensor->value() - int_pos));
      delay(15);
    } while (int_pos > sensor->value() + tolerance ||
             int_pos < sensor->value() - tolerance);
   lock();
 }
 void control(void) {
    int power = (joystickGetDigital(1, 5, JOY_UP) * 127) +
                (joystickGetDigital(1, 5, JOY_DOWN) * 127);
   power = (power == 0 && sensor->value() > threshold)
                : ((sensor->value() < threshold) ? 0 : power);</pre>
    set(power);
} // namespace lift
```