```cpp
// 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 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) * 2
              : (sensor->value() - int_pos));
      delay(15);
    } while (int_pos > sensor->value() + tolerance ||
             int_pos < sensor->value() - tolerance);
    set(15);
    return;
  }
} // namespace drive
```