```cpp
// lift.hpp: Header file for utilities relating to the lift
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//
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#pragma once
#include "drive.hpp"

/** Contains everything relating to the drive */
namespace lift {
  /** Class for a side of the drive */
  struct side_t {
    /** Top motor on the the side */
    motor_t topM;
    /** Middle motor on the side */
    motor_t midM;
    /** Bottom motor on the side */
    motor_t lowM;
    /** Sets all motors on the side to the given power */
    void set(int power);
    /** A pointer to the sensor on the side */
    sensors::pot_t* sensor;
  }; // struct side_t

  /** Positions of the lift */
  typedef enum {
    bottom = 5,
    mobile = 60,
    one    = 100,
    two    = 230,
    three  = 450,
  } position;

  extern double inch;
  /** The left side of the drive */
```

```
  extern side_t left;
  /** The right side of the drive */
  extern side_t right;
  /** Sensor on the lift */
  extern sensors::pot_t* sensor;

  /** Set both sides of the drive at their requested powers */
  void set(int lpower, int rpower);

  /** Initialize the drive subsystem */
  void init(void);

  /** p control for the lift */
  void to(position pos = bottom, int int_pos = -1, int tolerance = 50);

} // namespace drive
```