// This is the main DLL file.

#include "Arduino.h"

#include "Remote.h"

int i;

void pulseIR(long microsecs){

cli();

while (microsecs > 0) {

digitalWrite(13, HIGH);

delayMicroseconds(10);

digitalWrite(13, LOW);

delayMicroseconds(10);

microsecs -= 26;

}

sei();

}

void Remote::power(){

for(i=0; i<3; i++){

pulseIR(4540);

delayMicroseconds(4320); pulseIR(680);

delayMicroseconds(1520); pulseIR(700);

delayMicroseconds(1500); pulseIR(700);

delayMicroseconds(1500); pulseIR(700);

delayMicroseconds(400); pulseIR(700);

delayMicroseconds(400); pulseIR(700);

delayMicroseconds(420); pulseIR(700);

delayMicroseconds(400); pulseIR(700);

delayMicroseconds(400); pulseIR(700);

delayMicroseconds(1500); pulseIR(700);

delayMicroseconds(1500); pulseIR(700);

delayMicroseconds(1500); pulseIR(700);

delayMicroseconds(420); pulseIR(700);

delayMicroseconds(400); pulseIR(700);

delayMicroseconds(400); pulseIR(700);

delayMicroseconds(400); pulseIR(700);

delayMicroseconds(400); pulseIR(700);

delayMicroseconds(420); pulseIR(680);

delayMicroseconds(1520); pulseIR(700);

delayMicroseconds(400); pulseIR(700);

delayMicroseconds(400); pulseIR(700);

delayMicroseconds(400); pulseIR(700);

delayMicroseconds(400); pulseIR(700);

delayMicroseconds(420); pulseIR(680);

delayMicroseconds(420); pulseIR(700);

delayMicroseconds(1500); pulseIR(700);

delayMicroseconds(400); pulseIR(700);

delayMicroseconds(1500); pulseIR(700);

delayMicroseconds(1500); pulseIR(700);

delayMicroseconds(1500); pulseIR(700);

delayMicroseconds(1520); pulseIR(680);

delayMicroseconds(1520); pulseIR(700);

delayMicroseconds(1500); pulseIR(700);

delayMicroseconds(45660); pulseIR(4540);

delayMicroseconds(4320); pulseIR(700);

delayMicroseconds(1480); pulseIR(700);

delayMicroseconds(28884); pulseIR(4520);

delayMicroseconds(4320); pulseIR(700);

delayMicroseconds(1500);

}}

void Remote::volumeUp(){

for(i=0; i<3; i++){

pulseIR(4540);

delayMicroseconds(4300); pulseIR(700);

delayMicroseconds(1500); pulseIR(700);

delayMicroseconds(1500); pulseIR(700);

delayMicroseconds(1520); pulseIR(680);

delayMicroseconds(420); pulseIR(680);

delayMicroseconds(420); pulseIR(700);

delayMicroseconds(400); pulseIR(700);

delayMicroseconds(400); pulseIR(700);

delayMicroseconds(400); pulseIR(700);

delayMicroseconds(1520); pulseIR(680);

delayMicroseconds(1520); pulseIR(680);

delayMicroseconds(1520); pulseIR(680);

delayMicroseconds(420); pulseIR(700);

delayMicroseconds(400); pulseIR(700);

delayMicroseconds(400); pulseIR(700);

delayMicroseconds(400); pulseIR(700);

delayMicroseconds(420); pulseIR(680);

delayMicroseconds(1520); pulseIR(680);

delayMicroseconds(1520); pulseIR(700);

delayMicroseconds(1500); pulseIR(700);

delayMicroseconds(400); pulseIR(700);

delayMicroseconds(400); pulseIR(700);

delayMicroseconds(420); pulseIR(680);

delayMicroseconds(420); pulseIR(680);

delayMicroseconds(420); pulseIR(680);

delayMicroseconds(420); pulseIR(700);

delayMicroseconds(400); pulseIR(700);

delayMicroseconds(420); pulseIR(680);

delayMicroseconds(1500); pulseIR(700);

delayMicroseconds(1520); pulseIR(680);

delayMicroseconds(1520); pulseIR(680);

delayMicroseconds(1520); pulseIR(700);

delayMicroseconds(1500); pulseIR(700);

delayMicroseconds(45720); pulseIR(4560);

delayMicroseconds(4300); pulseIR(700);

delayMicroseconds(1480); pulseIR(700);

delayMicroseconds(28964); pulseIR(4540);

delayMicroseconds(4300); pulseIR(700);

delayMicroseconds(1500);

}}

void Remote::volumeDown(){

for(i=0; i<3; i++){

pulseIR(4560);

delayMicroseconds(4300); pulseIR(680);

delayMicroseconds(1520); pulseIR(680);

delayMicroseconds(1520); pulseIR(700);

delayMicroseconds(1500); pulseIR(700);

delayMicroseconds(400); pulseIR(700);

delayMicroseconds(400); pulseIR(700);

delayMicroseconds(420); pulseIR(680);

delayMicroseconds(420); pulseIR(680);

delayMicroseconds(420); pulseIR(700);

delayMicroseconds(1500); pulseIR(700);

delayMicroseconds(1500); pulseIR(700);

delayMicroseconds(1500); pulseIR(700);

delayMicroseconds(420); pulseIR(680);

delayMicroseconds(420); pulseIR(680);

delayMicroseconds(420); pulseIR(680);

delayMicroseconds(420); pulseIR(700);

delayMicroseconds(400); pulseIR(700);

delayMicroseconds(1500); pulseIR(700);

delayMicroseconds(1520); pulseIR(680);

delayMicroseconds(420); pulseIR(680);

delayMicroseconds(1520); pulseIR(680);

delayMicroseconds(420); pulseIR(680);

delayMicroseconds(420); pulseIR(700);

delayMicroseconds(400); pulseIR(700);

delayMicroseconds(400); pulseIR(700);

delayMicroseconds(420); pulseIR(680);

delayMicroseconds(420); pulseIR(680);

delayMicroseconds(1520); pulseIR(680);

delayMicroseconds(420); pulseIR(680);

delayMicroseconds(1520); pulseIR(680);

delayMicroseconds(1520); pulseIR(680);

delayMicroseconds(1520); pulseIR(700);

delayMicroseconds(1520); pulseIR(680);

delayMicroseconds(45740); pulseIR(4540);

delayMicroseconds(4300); pulseIR(720);

delayMicroseconds(1480); pulseIR(720);

delayMicroseconds(28904); pulseIR(4560);

delayMicroseconds(4300); pulseIR(680);

delayMicroseconds(1500);

}}

void Remote::channelUp(){

for(i=0; i<3; i++){

pulseIR(4540);

delayMicroseconds(4300); pulseIR(700);

delayMicroseconds(1500); pulseIR(700);

delayMicroseconds(1500); pulseIR(700);

delayMicroseconds(1500); pulseIR(700);

delayMicroseconds(400); pulseIR(700);

delayMicroseconds(400); pulseIR(700);

delayMicroseconds(400); pulseIR(700);

delayMicroseconds(400); pulseIR(700);

delayMicroseconds(400); pulseIR(720);

delayMicroseconds(1480); pulseIR(720);

delayMicroseconds(1480); pulseIR(700);

delayMicroseconds(1500); pulseIR(700);

delayMicroseconds(400); pulseIR(720);

delayMicroseconds(380); pulseIR(720);

delayMicroseconds(380); pulseIR(720);

delayMicroseconds(400); pulseIR(700);

delayMicroseconds(400); pulseIR(700);

delayMicroseconds(400); pulseIR(700);

delayMicroseconds(1500); pulseIR(700);

delayMicroseconds(400); pulseIR(720);

delayMicroseconds(380); pulseIR(720);

delayMicroseconds(1480); pulseIR(700);

delayMicroseconds(400); pulseIR(700);

delayMicroseconds(400); pulseIR(720);

delayMicroseconds(400); pulseIR(700);

delayMicroseconds(1500); pulseIR(700);

delayMicroseconds(400); pulseIR(700);

delayMicroseconds(1500); pulseIR(700);

delayMicroseconds(1500); pulseIR(700);

delayMicroseconds(400); pulseIR(700);

delayMicroseconds(1500); pulseIR(700);

delayMicroseconds(1500); pulseIR(700);

delayMicroseconds(1500); pulseIR(700);

delayMicroseconds(45620); pulseIR(4540);

delayMicroseconds(4300); pulseIR(700);

delayMicroseconds(1480); pulseIR(700);

delayMicroseconds(28744); pulseIR(4540);

delayMicroseconds(4300); pulseIR(700);

delayMicroseconds(1480);

}

}

void Remote::channelDown(){

for(i=0; i<3; i++){

pulseIR(4540);

delayMicroseconds(4300); pulseIR(700);

delayMicroseconds(1520); pulseIR(680);

delayMicroseconds(1520); pulseIR(680);

delayMicroseconds(1520); pulseIR(680);

delayMicroseconds(420); pulseIR(680);

delayMicroseconds(420); pulseIR(700);

delayMicroseconds(400); pulseIR(700);

delayMicroseconds(420); pulseIR(680);

delayMicroseconds(420); pulseIR(680);

delayMicroseconds(1520); pulseIR(680);

delayMicroseconds(1520); pulseIR(700);

delayMicroseconds(1500); pulseIR(680);

delayMicroseconds(420); pulseIR(700);

delayMicroseconds(420); pulseIR(680);

delayMicroseconds(420); pulseIR(680);

delayMicroseconds(420); pulseIR(680);

delayMicroseconds(420); pulseIR(680);

delayMicroseconds(420); pulseIR(700);

delayMicroseconds(400); pulseIR(700);

delayMicroseconds(420); pulseIR(680);

delayMicroseconds(420); pulseIR(680);

delayMicroseconds(1520); pulseIR(680);

delayMicroseconds(420); pulseIR(680);

delayMicroseconds(420); pulseIR(700);

delayMicroseconds(420); pulseIR(680);

delayMicroseconds(1500); pulseIR(700);

delayMicroseconds(1520); pulseIR(680);

delayMicroseconds(1520); pulseIR(680);

delayMicroseconds(1520); pulseIR(680);

delayMicroseconds(420); pulseIR(700);

delayMicroseconds(1520); pulseIR(680);

delayMicroseconds(1500); pulseIR(700);

delayMicroseconds(1520); pulseIR(680);

delayMicroseconds(45740); pulseIR(4540);

delayMicroseconds(4320); pulseIR(680);

delayMicroseconds(1500); pulseIR(700);

delayMicroseconds(28964); pulseIR(4580);

delayMicroseconds(4280); pulseIR(720);

delayMicroseconds(1460);

}

}

void Remote::last(){

for(i=0; i<3; i++){

pulseIR(4540);

delayMicroseconds(4300); pulseIR(680);

delayMicroseconds(1520); pulseIR(680);

delayMicroseconds(1520); pulseIR(680);

delayMicroseconds(1520); pulseIR(680);

delayMicroseconds(420); pulseIR(680);

delayMicroseconds(440); pulseIR(660);

delayMicroseconds(440); pulseIR(660);

delayMicroseconds(440); pulseIR(660);

delayMicroseconds(440); pulseIR(680);

delayMicroseconds(1520); pulseIR(660);

delayMicroseconds(1540); pulseIR(660);

delayMicroseconds(1540); pulseIR(660);

delayMicroseconds(440); pulseIR(660);

delayMicroseconds(440); pulseIR(680);

delayMicroseconds(420); pulseIR(680);

delayMicroseconds(420); pulseIR(680);

delayMicroseconds(420); pulseIR(680);

delayMicroseconds(420); pulseIR(680);

delayMicroseconds(440); pulseIR(660);

delayMicroseconds(440); pulseIR(660);

delayMicroseconds(440); pulseIR(660);

delayMicroseconds(1540); pulseIR(660);

delayMicroseconds(440); pulseIR(660);

delayMicroseconds(1540); pulseIR(680);

delayMicroseconds(420); pulseIR(680);

delayMicroseconds(1520); pulseIR(680);

delayMicroseconds(1520); pulseIR(660);

delayMicroseconds(1540); pulseIR(660);

delayMicroseconds(1540); pulseIR(680);

delayMicroseconds(420); pulseIR(680);

delayMicroseconds(1520); pulseIR(660);

delayMicroseconds(440); pulseIR(680);

delayMicroseconds(1520); pulseIR(680);

delayMicroseconds(45620); pulseIR(4560);

delayMicroseconds(4280); pulseIR(700);

delayMicroseconds(1480); pulseIR(700);

delayMicroseconds(28684); pulseIR(4540);

delayMicroseconds(4300); pulseIR(680);

delayMicroseconds(1500);

}

}

void Remote::mute(){

for(i=0; i<3; i++){

pulseIR(4520);

delayMicroseconds(4320); pulseIR(660);

delayMicroseconds(1520); pulseIR(680);

delayMicroseconds(1520); pulseIR(680);

delayMicroseconds(1520); pulseIR(680);

delayMicroseconds(420); pulseIR(680);

delayMicroseconds(440); pulseIR(660);

delayMicroseconds(440); pulseIR(660);

delayMicroseconds(440); pulseIR(660);

delayMicroseconds(440); pulseIR(660);

delayMicroseconds(1540); pulseIR(660);

delayMicroseconds(1540); pulseIR(660);

delayMicroseconds(1540); pulseIR(660);

delayMicroseconds(440); pulseIR(660);

delayMicroseconds(440); pulseIR(660);

delayMicroseconds(460); pulseIR(660);

delayMicroseconds(440); pulseIR(660);

delayMicroseconds(440); pulseIR(660);

delayMicroseconds(1540); pulseIR(660);

delayMicroseconds(1540); pulseIR(660);

delayMicroseconds(1540); pulseIR(660);

delayMicroseconds(1540); pulseIR(660);

delayMicroseconds(440); pulseIR(660);

delayMicroseconds(460); pulseIR(640);

delayMicroseconds(440); pulseIR(660);

delayMicroseconds(440); pulseIR(660);

delayMicroseconds(440); pulseIR(680);

delayMicroseconds(440); pulseIR(660);

delayMicroseconds(440); pulseIR(660);

delayMicroseconds(440); pulseIR(660);

delayMicroseconds(1540); pulseIR(660);

delayMicroseconds(1540); pulseIR(660);

delayMicroseconds(1540); pulseIR(660);

delayMicroseconds(1540); pulseIR(660);

delayMicroseconds(45620); pulseIR(4520);

delayMicroseconds(4320); pulseIR(660);

delayMicroseconds(1520); pulseIR(660);

delayMicroseconds(28724); pulseIR(4520);

delayMicroseconds(4320); pulseIR(660);

delayMicroseconds(1540);

}

}

void Remote::one(){

for(i=0; i<3; i++){

pulseIR(4540);

delayMicroseconds(4300); pulseIR(700);

delayMicroseconds(1500); pulseIR(700);

delayMicroseconds(1500); pulseIR(700);

delayMicroseconds(1500); pulseIR(680);

delayMicroseconds(420); pulseIR(680);

delayMicroseconds(420); pulseIR(720);

delayMicroseconds(380); pulseIR(700);

delayMicroseconds(420); pulseIR(680);

delayMicroseconds(400); pulseIR(700);

delayMicroseconds(1520); pulseIR(680);

delayMicroseconds(1520); pulseIR(680);

delayMicroseconds(1520); pulseIR(680);

delayMicroseconds(420); pulseIR(680);

delayMicroseconds(420); pulseIR(680);

delayMicroseconds(420); pulseIR(720);

delayMicroseconds(380); pulseIR(700);

delayMicroseconds(440); pulseIR(660);

delayMicroseconds(420); pulseIR(680);

delayMicroseconds(440); pulseIR(680);

delayMicroseconds(1500); pulseIR(700);

delayMicroseconds(400); pulseIR(680);

delayMicroseconds(420); pulseIR(680);

delayMicroseconds(420); pulseIR(700);

delayMicroseconds(400); pulseIR(720);

delayMicroseconds(400); pulseIR(680);

delayMicroseconds(1520); pulseIR(680);

delayMicroseconds(1520); pulseIR(680);

delayMicroseconds(420); pulseIR(680);

delayMicroseconds(1520); pulseIR(700);

delayMicroseconds(1500); pulseIR(680);

delayMicroseconds(1520); pulseIR(680);

delayMicroseconds(1520); pulseIR(700);

delayMicroseconds(1500); pulseIR(680);

delayMicroseconds(45620); pulseIR(4540);

delayMicroseconds(4300); pulseIR(680);

delayMicroseconds(1500); pulseIR(700);

delayMicroseconds(28724); pulseIR(4540);

delayMicroseconds(4300); pulseIR(700);

delayMicroseconds(1480); pulseIR(700);

delayMicroseconds(28724); pulseIR(4540);

delayMicroseconds(4300); pulseIR(700);

delayMicroseconds(1480);

}

}

void Remote::two(){

for(i=0; i<3; i++){

pulseIR(4540);

delayMicroseconds(4280); pulseIR(700);

delayMicroseconds(1500); pulseIR(700);

delayMicroseconds(1500); pulseIR(700);

delayMicroseconds(1500); pulseIR(680);

delayMicroseconds(440); pulseIR(700);

delayMicroseconds(400); pulseIR(680);

delayMicroseconds(420); pulseIR(680);

delayMicroseconds(420); pulseIR(680);

delayMicroseconds(420); pulseIR(700);

delayMicroseconds(1500); pulseIR(700);

delayMicroseconds(1500); pulseIR(700);

delayMicroseconds(1500); pulseIR(680);

delayMicroseconds(420); pulseIR(700);

delayMicroseconds(420); pulseIR(680);

delayMicroseconds(400); pulseIR(700);

delayMicroseconds(420); pulseIR(680);

delayMicroseconds(420); pulseIR(700);

delayMicroseconds(1500); pulseIR(700);

delayMicroseconds(400); pulseIR(700);

delayMicroseconds(1500); pulseIR(680);

delayMicroseconds(420); pulseIR(680);

delayMicroseconds(420); pulseIR(700);

delayMicroseconds(400); pulseIR(700);

delayMicroseconds(400); pulseIR(700);

delayMicroseconds(420); pulseIR(680);

delayMicroseconds(420); pulseIR(680);

delayMicroseconds(1520); pulseIR(680);

delayMicroseconds(420); pulseIR(680);

delayMicroseconds(1520); pulseIR(680);

delayMicroseconds(1520); pulseIR(700);

delayMicroseconds(1500); pulseIR(680);

delayMicroseconds(1520); pulseIR(680);

delayMicroseconds(1520); pulseIR(680);

delayMicroseconds(45620); pulseIR(4540);

delayMicroseconds(4300); pulseIR(700);

delayMicroseconds(1500); pulseIR(700);

delayMicroseconds(28704); pulseIR(4600);

delayMicroseconds(4260); pulseIR(720);

delayMicroseconds(1460);

}

}

void Remote::three(){

for(i=0; i<3; i++){

pulseIR(4580);

delayMicroseconds(4260); pulseIR(700);

delayMicroseconds(1500); pulseIR(720);

delayMicroseconds(1480); pulseIR(740);

delayMicroseconds(1460); pulseIR(700);

delayMicroseconds(400); pulseIR(720);

delayMicroseconds(380); pulseIR(720);

delayMicroseconds(400); pulseIR(720);

delayMicroseconds(380); pulseIR(700);

delayMicroseconds(400); pulseIR(720);

delayMicroseconds(1480); pulseIR(720);

delayMicroseconds(1480); pulseIR(700);

delayMicroseconds(1500); pulseIR(720);

delayMicroseconds(380); pulseIR(720);

delayMicroseconds(380); pulseIR(720);

delayMicroseconds(400); pulseIR(700);

delayMicroseconds(400); pulseIR(720);

delayMicroseconds(380); pulseIR(700);

delayMicroseconds(400); pulseIR(700);

delayMicroseconds(1520); pulseIR(700);

delayMicroseconds(1480); pulseIR(700);

delayMicroseconds(400); pulseIR(720);

delayMicroseconds(380); pulseIR(720);

delayMicroseconds(400); pulseIR(700);

delayMicroseconds(400); pulseIR(740);

delayMicroseconds(360); pulseIR(720);

delayMicroseconds(1480); pulseIR(720);

delayMicroseconds(380); pulseIR(700);

delayMicroseconds(400); pulseIR(720);

delayMicroseconds(1480); pulseIR(740);

delayMicroseconds(1460); pulseIR(720);

delayMicroseconds(1480); pulseIR(720);

delayMicroseconds(1480); pulseIR(720);

delayMicroseconds(1480); pulseIR(700);

delayMicroseconds(45600); pulseIR(4580);

delayMicroseconds(4260); pulseIR(720);

delayMicroseconds(1480); pulseIR(720);

delayMicroseconds(28684); pulseIR(4580);

delayMicroseconds(4260); pulseIR(700);

delayMicroseconds(1480);

}}

void Remote::four(){

for(i=0; i<3; i++){

pulseIR(4600);

delayMicroseconds(4240); pulseIR(720);

delayMicroseconds(1480); pulseIR(720);

delayMicroseconds(1480); pulseIR(720);

delayMicroseconds(1480); pulseIR(720);

delayMicroseconds(380); pulseIR(720);

delayMicroseconds(400); pulseIR(700);

delayMicroseconds(400); pulseIR(700);

delayMicroseconds(420); pulseIR(700);

delayMicroseconds(380); pulseIR(720);

delayMicroseconds(1480); pulseIR(720);

delayMicroseconds(1480); pulseIR(720);

delayMicroseconds(1480); pulseIR(700);

delayMicroseconds(400); pulseIR(720);

delayMicroseconds(380); pulseIR(700);

delayMicroseconds(420); pulseIR(700);

delayMicroseconds(380); pulseIR(740);

delayMicroseconds(380); pulseIR(700);

delayMicroseconds(400); pulseIR(720);

delayMicroseconds(380); pulseIR(700);

delayMicroseconds(400); pulseIR(720);

delayMicroseconds(1480); pulseIR(700);

delayMicroseconds(400); pulseIR(720);

delayMicroseconds(400); pulseIR(700);

delayMicroseconds(380); pulseIR(720);

delayMicroseconds(400); pulseIR(700);

delayMicroseconds(1500); pulseIR(720);

delayMicroseconds(1480); pulseIR(720);

delayMicroseconds(1480); pulseIR(700);

delayMicroseconds(400); pulseIR(700);

delayMicroseconds(1500); pulseIR(720);

delayMicroseconds(1480); pulseIR(720);

delayMicroseconds(1480); pulseIR(720);

delayMicroseconds(1480); pulseIR(720);

delayMicroseconds(45580); pulseIR(4560);

delayMicroseconds(4280); pulseIR(700);

delayMicroseconds(1500); pulseIR(720);

delayMicroseconds(28664); pulseIR(4560);

delayMicroseconds(4280); pulseIR(720);

delayMicroseconds(1480);

}}

void Remote::five(){

for(i=0; i<3; i++){

pulseIR(4540);

delayMicroseconds(4300); pulseIR(700);

delayMicroseconds(1500); pulseIR(700);

delayMicroseconds(1500); pulseIR(700);

delayMicroseconds(1500); pulseIR(700);

delayMicroseconds(400); pulseIR(720);

delayMicroseconds(380); pulseIR(700);

delayMicroseconds(420); pulseIR(680);

delayMicroseconds(420); pulseIR(700);

delayMicroseconds(400); pulseIR(700);

delayMicroseconds(1500); pulseIR(700);

delayMicroseconds(1500); pulseIR(680);

delayMicroseconds(1520); pulseIR(680);

delayMicroseconds(420); pulseIR(700);

delayMicroseconds(400); pulseIR(700);

delayMicroseconds(400); pulseIR(700);

delayMicroseconds(420); pulseIR(700);

delayMicroseconds(380); pulseIR(720);

delayMicroseconds(1480); pulseIR(720);

delayMicroseconds(400); pulseIR(700);

delayMicroseconds(400); pulseIR(700);

delayMicroseconds(1500); pulseIR(700);

delayMicroseconds(400); pulseIR(700);

delayMicroseconds(400); pulseIR(700);

delayMicroseconds(420); pulseIR(700);

delayMicroseconds(380); pulseIR(720);

delayMicroseconds(400); pulseIR(700);

delayMicroseconds(1500); pulseIR(700);

delayMicroseconds(1500); pulseIR(700);

delayMicroseconds(400); pulseIR(700);

delayMicroseconds(1520); pulseIR(700);

delayMicroseconds(1480); pulseIR(700);

delayMicroseconds(1500); pulseIR(720);

delayMicroseconds(1480); pulseIR(700);

delayMicroseconds(45600); pulseIR(4560);

delayMicroseconds(4280); pulseIR(700);

delayMicroseconds(1480); pulseIR(720);

delayMicroseconds(28684); pulseIR(4540);

delayMicroseconds(4300); pulseIR(700);

delayMicroseconds(1480);

}}

void Remote::six(){

for(i=0; i<3; i++){

pulseIR(4560);

delayMicroseconds(4280); pulseIR(700);

delayMicroseconds(1500); pulseIR(720);

delayMicroseconds(1460); pulseIR(740);

delayMicroseconds(1460); pulseIR(740);

delayMicroseconds(380); pulseIR(700);

delayMicroseconds(400); pulseIR(700);

delayMicroseconds(400); pulseIR(720);

delayMicroseconds(380); pulseIR(720);

delayMicroseconds(400); pulseIR(680);

delayMicroseconds(1500); pulseIR(720);

delayMicroseconds(1480); pulseIR(740);

delayMicroseconds(1460); pulseIR(700);

delayMicroseconds(400); pulseIR(720);

delayMicroseconds(400); pulseIR(700);

delayMicroseconds(400); pulseIR(700);

delayMicroseconds(400); pulseIR(700);

delayMicroseconds(400); pulseIR(720);

delayMicroseconds(380); pulseIR(720);

delayMicroseconds(1480); pulseIR(720);

delayMicroseconds(380); pulseIR(700);

delayMicroseconds(1500); pulseIR(700);

delayMicroseconds(400); pulseIR(700);

delayMicroseconds(420); pulseIR(700);

delayMicroseconds(400); pulseIR(720);

delayMicroseconds(380); pulseIR(720);

delayMicroseconds(1480); pulseIR(700);

delayMicroseconds(400); pulseIR(720);

delayMicroseconds(1480); pulseIR(700);

delayMicroseconds(400); pulseIR(700);

delayMicroseconds(1500); pulseIR(720);

delayMicroseconds(1480); pulseIR(700);

delayMicroseconds(1500); pulseIR(720);

delayMicroseconds(1480); pulseIR(700);

delayMicroseconds(45600); pulseIR(4580);

delayMicroseconds(4280); pulseIR(700);

delayMicroseconds(1480); pulseIR(720);

delayMicroseconds(28684); pulseIR(4560);

delayMicroseconds(4280); pulseIR(720);

delayMicroseconds(1460);

}}

void Remote::seven(){

for(i=0; i<3; i++){

pulseIR(4580);

delayMicroseconds(4260); pulseIR(720);

delayMicroseconds(1480); pulseIR(720);

delayMicroseconds(1480); pulseIR(720);

delayMicroseconds(1480); pulseIR(720);

delayMicroseconds(380); pulseIR(720);

delayMicroseconds(400); pulseIR(700);

delayMicroseconds(380); pulseIR(720);

delayMicroseconds(400); pulseIR(700);

delayMicroseconds(400); pulseIR(700);

delayMicroseconds(1500); pulseIR(720);

delayMicroseconds(1480); pulseIR(700);

delayMicroseconds(1500); pulseIR(720);

delayMicroseconds(380); pulseIR(720);

delayMicroseconds(380); pulseIR(720);

delayMicroseconds(380); pulseIR(720);

delayMicroseconds(380); pulseIR(740);

delayMicroseconds(380); pulseIR(720);

delayMicroseconds(380); pulseIR(720);

delayMicroseconds(380); pulseIR(720);

delayMicroseconds(1480); pulseIR(700);

delayMicroseconds(1500); pulseIR(720);

delayMicroseconds(380); pulseIR(740);

delayMicroseconds(360); pulseIR(720);

delayMicroseconds(380); pulseIR(740);

delayMicroseconds(380); pulseIR(700);

delayMicroseconds(1500); pulseIR(700);

delayMicroseconds(1500); pulseIR(720);

delayMicroseconds(380); pulseIR(720);

delayMicroseconds(380); pulseIR(720);

delayMicroseconds(1480); pulseIR(720);

delayMicroseconds(1480); pulseIR(700);

delayMicroseconds(1500); pulseIR(700);

delayMicroseconds(1500); pulseIR(720);

delayMicroseconds(45560); pulseIR(4560);

delayMicroseconds(4280); pulseIR(720);

delayMicroseconds(1480); pulseIR(700);

delayMicroseconds(28684); pulseIR(4580);

delayMicroseconds(4260); pulseIR(720);

delayMicroseconds(1460);

}}

void Remote::eight(){

for(i=0; i<3; i++){

pulseIR(4560);

delayMicroseconds(4280); pulseIR(740);

delayMicroseconds(1460); pulseIR(720);

delayMicroseconds(1480); pulseIR(720);

delayMicroseconds(1480); pulseIR(700);

delayMicroseconds(400); pulseIR(720);

delayMicroseconds(380); pulseIR(740);

delayMicroseconds(360); pulseIR(720);

delayMicroseconds(380); pulseIR(740);

delayMicroseconds(380); pulseIR(700);

delayMicroseconds(1500); pulseIR(700);

delayMicroseconds(1480); pulseIR(740);

delayMicroseconds(1460); pulseIR(720);

delayMicroseconds(380); pulseIR(720);

delayMicroseconds(400); pulseIR(700);

delayMicroseconds(400); pulseIR(720);

delayMicroseconds(380); pulseIR(740);

delayMicroseconds(360); pulseIR(720);

delayMicroseconds(1480); pulseIR(720);

delayMicroseconds(380); pulseIR(720);

delayMicroseconds(1480); pulseIR(720);

delayMicroseconds(1480); pulseIR(720);

delayMicroseconds(380); pulseIR(720);

delayMicroseconds(380); pulseIR(760);

delayMicroseconds(360); pulseIR(700);

delayMicroseconds(400); pulseIR(720);

delayMicroseconds(380); pulseIR(720);

delayMicroseconds(1480); pulseIR(720);

delayMicroseconds(380); pulseIR(720);

delayMicroseconds(380); pulseIR(720);

delayMicroseconds(1480); pulseIR(720);

delayMicroseconds(1480); pulseIR(720);

delayMicroseconds(1480); pulseIR(740);

delayMicroseconds(1460); pulseIR(740);

delayMicroseconds(45540); pulseIR(4580);

delayMicroseconds(4260); pulseIR(740);

delayMicroseconds(1460); pulseIR(720);

delayMicroseconds(28684); pulseIR(4580);

delayMicroseconds(4260); pulseIR(700);

delayMicroseconds(1480);

}}

void Remote::nine(){

for(i=0; i<3; i++){

pulseIR(4580);

delayMicroseconds(4240); pulseIR(720);

delayMicroseconds(1480); pulseIR(720);

delayMicroseconds(1480); pulseIR(720);

delayMicroseconds(1480); pulseIR(720);

delayMicroseconds(380); pulseIR(740);

delayMicroseconds(360); pulseIR(740);

delayMicroseconds(380); pulseIR(720);

delayMicroseconds(380); pulseIR(720);

delayMicroseconds(380); pulseIR(720);

delayMicroseconds(1480); pulseIR(740);

delayMicroseconds(1460); pulseIR(720);

delayMicroseconds(1480); pulseIR(700);

delayMicroseconds(400); pulseIR(720);

delayMicroseconds(380); pulseIR(740);

delayMicroseconds(360); pulseIR(720);

delayMicroseconds(380); pulseIR(720);

delayMicroseconds(400); pulseIR(720);

delayMicroseconds(380); pulseIR(720);

delayMicroseconds(1480); pulseIR(720);

delayMicroseconds(1460); pulseIR(740);

delayMicroseconds(1460); pulseIR(740);

delayMicroseconds(380); pulseIR(700);

delayMicroseconds(400); pulseIR(720);

delayMicroseconds(380); pulseIR(720);

delayMicroseconds(380); pulseIR(720);

delayMicroseconds(1480); pulseIR(740);

delayMicroseconds(360); pulseIR(740);

delayMicroseconds(360); pulseIR(740);

delayMicroseconds(360); pulseIR(720);

delayMicroseconds(1500); pulseIR(720);

delayMicroseconds(1460); pulseIR(740);

delayMicroseconds(1460); pulseIR(720);

delayMicroseconds(1480); pulseIR(740);

delayMicroseconds(45560); pulseIR(4580);

delayMicroseconds(4260); pulseIR(720);

delayMicroseconds(1480);

}}

void Remote::zero(){

for(i=0; i<3; i++){

pulseIR(4580);

delayMicroseconds(4260); pulseIR(720);

delayMicroseconds(1480); pulseIR(700);

delayMicroseconds(1520); pulseIR(700);

delayMicroseconds(1480); pulseIR(700);

delayMicroseconds(400); pulseIR(700);

delayMicroseconds(400); pulseIR(720);

delayMicroseconds(400); pulseIR(720);

delayMicroseconds(360); pulseIR(740);

delayMicroseconds(380); pulseIR(700);

delayMicroseconds(1500); pulseIR(700);

delayMicroseconds(1500); pulseIR(720);

delayMicroseconds(1480); pulseIR(700);

delayMicroseconds(420); pulseIR(680);

delayMicroseconds(400); pulseIR(720);

delayMicroseconds(380); pulseIR(700);

delayMicroseconds(400); pulseIR(700);

delayMicroseconds(400); pulseIR(700);

delayMicroseconds(1500); pulseIR(700);

delayMicroseconds(400); pulseIR(720);

delayMicroseconds(380); pulseIR(700);

delayMicroseconds(420); pulseIR(720);

delayMicroseconds(1480); pulseIR(700);

delayMicroseconds(380); pulseIR(740);

delayMicroseconds(380); pulseIR(700);

delayMicroseconds(400); pulseIR(720);

delayMicroseconds(380); pulseIR(720);

delayMicroseconds(1480); pulseIR(700);

delayMicroseconds(1500); pulseIR(700);

delayMicroseconds(1500); pulseIR(720);

delayMicroseconds(380); pulseIR(700);

delayMicroseconds(1500); pulseIR(700);

delayMicroseconds(1500); pulseIR(700);

delayMicroseconds(1500); pulseIR(720);

delayMicroseconds(45580); pulseIR(4560);

delayMicroseconds(4280); pulseIR(720);

delayMicroseconds(1480); pulseIR(700);

delayMicroseconds(28704); pulseIR(4560);

delayMicroseconds(4280); pulseIR(700);

delayMicroseconds(1500);

}}

void Remote::enter(){

for(i=0; i<3; i++){

pulseIR(4540);

delayMicroseconds(4280); pulseIR(700);

delayMicroseconds(1500); pulseIR(680);

delayMicroseconds(1540); pulseIR(660);

delayMicroseconds(1520); pulseIR(700);

delayMicroseconds(400); pulseIR(700);

delayMicroseconds(400); pulseIR(680);

delayMicroseconds(460); pulseIR(660);

delayMicroseconds(420); pulseIR(740);

delayMicroseconds(380); pulseIR(660);

delayMicroseconds(1520); pulseIR(680);

delayMicroseconds(1520); pulseIR(680);

delayMicroseconds(1520); pulseIR(680);

delayMicroseconds(440); pulseIR(660);

delayMicroseconds(420); pulseIR(680);

delayMicroseconds(420); pulseIR(680);

delayMicroseconds(420); pulseIR(680);

delayMicroseconds(440); pulseIR(660);

delayMicroseconds(440); pulseIR(680);

delayMicroseconds(400); pulseIR(700);

delayMicroseconds(440); pulseIR(640);

delayMicroseconds(1540); pulseIR(660);

delayMicroseconds(440); pulseIR(660);

delayMicroseconds(1540); pulseIR(720);

delayMicroseconds(1500); pulseIR(660);

delayMicroseconds(420); pulseIR(680);

delayMicroseconds(1520); pulseIR(680);

delayMicroseconds(1520); pulseIR(680);

delayMicroseconds(1540); pulseIR(640);

delayMicroseconds(440); pulseIR(720);

delayMicroseconds(1460); pulseIR(700);

delayMicroseconds(420); pulseIR(680);

delayMicroseconds(420); pulseIR(680);

delayMicroseconds(1520); pulseIR(700);

delayMicroseconds(45600); pulseIR(4520);

delayMicroseconds(4320); pulseIR(700);

delayMicroseconds(1480); pulseIR(700);

delayMicroseconds(28704); pulseIR(4540);

delayMicroseconds(4300); pulseIR(680);

delayMicroseconds(1500); pulseIR(680);

delayMicroseconds(28724); pulseIR(4520);

delayMicroseconds(4320); pulseIR(680);

delayMicroseconds(1500);

}}