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Pset5_TeleoperationClient
* File: Pset5_TeleoperationClient
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* ME327
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* PSET 5 Question 2
* Description:
  Creates graphics for leader-follower system.
import processing.serial.*;
Serial myPort;
float inByte_m = 0;
float inByte_s = 0;
float lastByte m = 0;
float lastByte_s = 0;
void setup (){
size(600, 400);
println(Serial.list());
myPort = new Serial(this, Serial.list()[13], 115200);
myPort.bufferUntil('\n');
background(0);
void draw () {
background(0);
// Draws leader
stroke(255,0,0);
strokeWeight(4);
circle(lastByte_m, height/2, 40);
// Draws follower
stroke(0,255,0);
strokeWeight(4);
circle(lastByte_s, height/2, 40);
// Draws interconnecting line
stroke (0,0,255);
strokeWeight(2);
if(lastByte_m>lastByte_s){
 line(lastByte s+20,height/2,lastByte m-20,height/2);
 }else{
```

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line(lastByte_m+20,height/2,lastByte_s-20,height/2);
void serialEvent (Serial myPort) {
String inString = myPort.readStringUntil('\n');
  if (inString != null) {
   inString = trim(inString);
   String splitString[] = inString.split(" ");
   // Leader position reported first
   inByte_m = float(splitString[0]);
   // Follower position reported second
   inByte_s = float(splitString[1]);
  }
 // Corrupted values just default to last viable.
  if (Float.isNaN(inByte_s)||Float.isNaN(inByte_m)){
    inByte_s=lastByte_s;
    inByte_m=lastByte_m;
 lastByte_s = map(inByte_s, -.1, .1, 0, 400);
 lastByte_m = map(inByte_m, -.1, .1, 0, 400);
}
```