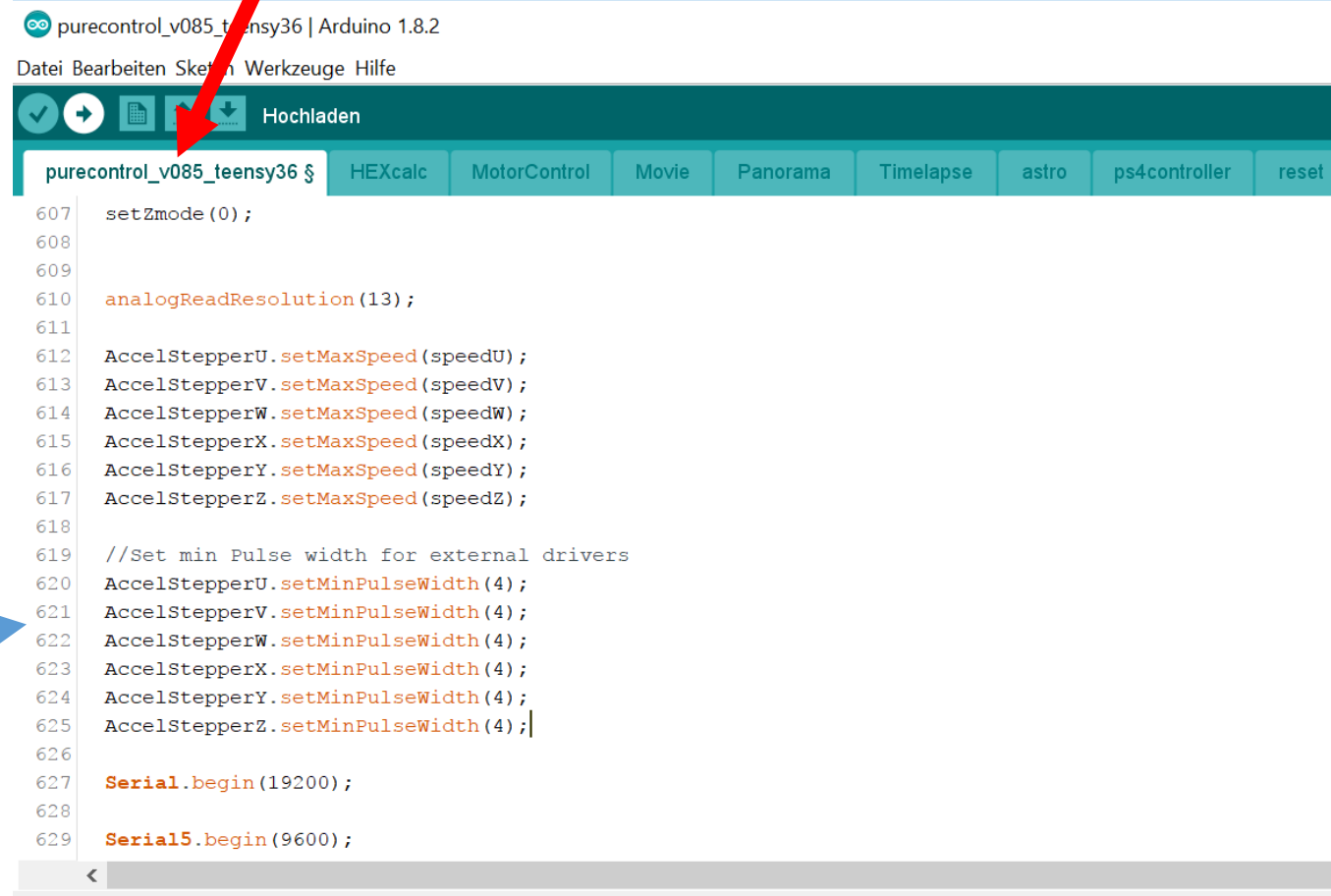


Step 1:

Search for „**analogReadResolution**“  
and add the code from the blue box below under  
**AccelStepperZ.setMaxSpeed(speedZ);**

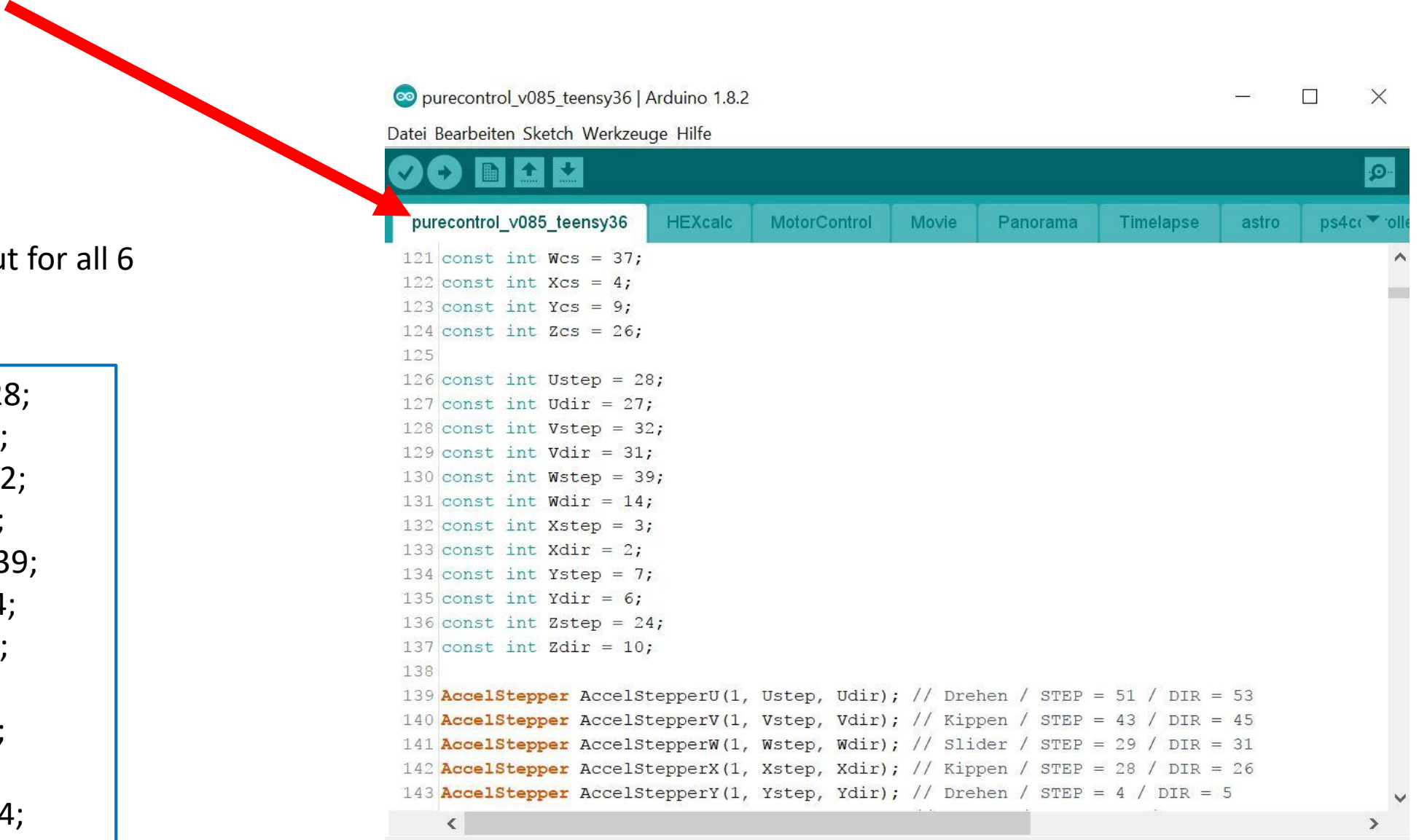
```
//Set min Pulse width for external drivers  
AccelStepperU.setMinPulseWidth(4);  
AccelStepperV.setMinPulseWidth(4);  
AccelStepperW.setMinPulseWidth(4);  
AccelStepperX.setMinPulseWidth(4);  
AccelStepperY.setMinPulseWidth(4);  
AccelStepperZ.setMinPulseWidth(4);
```



```
purecontrol_v085_tensy36 | Arduino 1.8.2  
Datei Bearbeiten Skizzen Werkzeuge Hilfe  
Hochladen  
purecontrol_v085_tensy36 $ HEXcalc MotorControl Movie Panorama Timelapse astro ps4controller reset  
607 setZmode (0) ;  
608  
609  
610 analogReadResolution (13) ;  
611  
612 AccelStepperU.setMaxSpeed (speedU) ;  
613 AccelStepperV.setMaxSpeed (speedV) ;  
614 AccelStepperW.setMaxSpeed (speedW) ;  
615 AccelStepperX.setMaxSpeed (speedX) ;  
616 AccelStepperY.setMaxSpeed (speedY) ;  
617 AccelStepperZ.setMaxSpeed (speedZ) ;  
618  
619 //Set min Pulse width for external drivers  
620 AccelStepperU.setMinPulseWidth (4) ;  
621 AccelStepperV.setMinPulseWidth (4) ;  
622 AccelStepperW.setMinPulseWidth (4) ;  
623 AccelStepperX.setMinPulseWidth (4) ;  
624 AccelStepperY.setMinPulseWidth (4) ;  
625 AccelStepperZ.setMinPulseWidth (4) ;  
626  
627 Serial.begin (19200) ;  
628  
629 Serial5.begin (9600) ;  
<
```

Standard pin-layout for all 6 internal drivers:

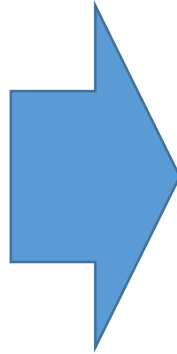
```
const int Ustep = 28;
const int Udir = 27;
const int Vstep = 32;
const int Vdir = 31;
const int Wstep = 39;
const int Wdir = 14;
const int Xstep = 3;
const int Xdir = 2;
const int Ystep = 7;
const int Ydir = 6;
const int Zstep = 24;
const int Zdir = 10;
```



```
purecontrol_v085_teen... | Arduino 1.8.2
Datei Bearbeiten Sketch Werkzeuge Hilfe
purecontrol_v085_teen... HEXcalc MotorControl Movie Panorama Timelapse astro ps4c...
121 const int Wcs = 37;
122 const int Xcs = 4;
123 const int Ycs = 9;
124 const int Zcs = 26;
125
126 const int Ustep = 28;
127 const int Udir = 27;
128 const int Vstep = 32;
129 const int Vdir = 31;
130 const int Wstep = 39;
131 const int Wdir = 14;
132 const int Xstep = 3;
133 const int Xdir = 2;
134 const int Ystep = 7;
135 const int Ydir = 6;
136 const int Zstep = 24;
137 const int Zdir = 10;
138
139 AccelStepper AccelStepperU(1, Ustep, Udir); // Drehen / STEP = 51 / DIR = 53
140 AccelStepper AccelStepperV(1, Vstep, Vdir); // Kippen / STEP = 43 / DIR = 45
141 AccelStepper AccelStepperW(1, Wstep, Wdir); // Slider / STEP = 29 / DIR = 31
142 AccelStepper AccelStepperX(1, Xstep, Xdir); // Kippen / STEP = 28 / DIR = 26
143 AccelStepper AccelStepperY(1, Ystep, Ydir); // Drehen / STEP = 4 / DIR = 5
```

Standard pin-layout for all 6  
internal drivers:

```
const int Ustep = 28;  
const int Udir = 27;  
const int Vstep = 32;  
const int Vdir = 31;  
const int Wstep = 39;  
const int Wdir = 14;  
const int Xstep = 3;  
const int Xdir = 2;  
const int Ystep = 7;  
const int Ydir = 6;  
const int Zstep = 24;  
const int Zdir = 10;
```



```
External 1 – STEP = 50  
External 1 – DIR = 49
```

```
External 2 – STEP = 48  
External 2 – DIR = 47
```

```
External 3 – STEP = 57  
External 3 – DIR = 56
```

```
External 4 – STEP = 55  
External 4 – DIR = 54
```



U,V,W,Z = external  
X,Y = internal

```
const int Ustep = 50;  
const int Udir = 49;  
const int Vstep = 48;  
const int Vdir = 47;  
const int Wstep = 57;  
const int Wdir = 56;  
const int Xstep = 3;  
const int Xdir = 2;  
const int Ystep = 7;  
const int Ydir = 6;  
const int Zstep = 55;  
const int Zdir = 54;
```