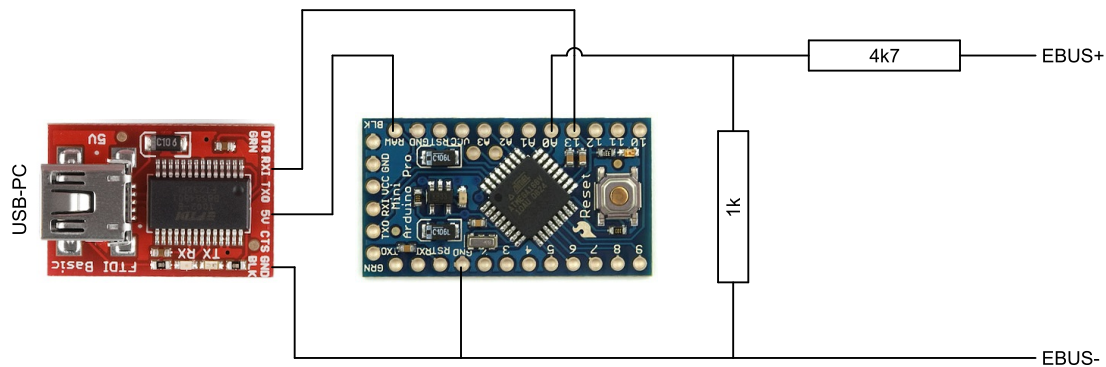


Arduino Read-Only EBUS interface



Bill Of Materials:

1 Arduino Pro Mini (5V)
1 FTDI Basic Breakout (5V)
1 R=1k
1 R=4k7
Wires and solder

Program Ebus for Arduino

```
.  
int in=A0;  
int out=13;  
int highvalue=((15.0*1023.0)/27.7); // 15V,4598R+1012R divider, 24.5V =1023  
int lowvalue=((12.0*1023.0)/27.7); // 12V, 4598R+1012R divider, 24.5V=1023  
void setup()  
{  
  pinMode(in,INPUT);  
  pinMode(out,OUTPUT);  
}  
void loop()  
{  
  inputvalue=analogRead(in);  
  if (inputvalue>highvalue) digitalWrite(out,1);  
  if (inputvalue<lowvalue) digitalWrite(out,0);  
}  
.
```