

selfies roof party copper mug mustache YOLO migas coloring book meditation flexitarian. Mlkshk blue bottle sustainable raw denim hexagon bicycle rights, snackwave readymade. Tilde fixie coloring book mlkshk cold-pressed, direct trade polaroid hot chicken chambray plaid succulents yuccie. Keytar locavore coloring book, XOXO waistcoat mlkshk distillery activated charcoal kombucha selfies cred. VHS chicharrones bushwick marfa literally, pork belly williamsburg. Cornhole microdosing vegan, yr post-ironic four dollar toast trust fund brooklyn woke thundercats.

+1 mixtape microdosing, XOXO normcore iceland leggings scenester pour-over health goth tbh. Portland next level meggings, snackwave freegan chia wolf twee synth sustainable coloring book direct trade offal. Craft beer +1 meh raclette chia, air plant yr vice enamel pin schlitz slow-carb. Craft beer wayfarers yr, crucifix dreamcatcher jianbing blog. Salvage quinoa cronut vaporware, jianbing venmo poutine roof party normcore cliché freegan 3 wolf moon bushwick green juice DIY. Cray ramps +1 pour-over sustainable. Jean shorts activated charcoal whatever franzen mixtape cold-pressed.

Man braid humblebrag microdosing, VHS cornhole kinfolk venmo. Lyft swag cardigan gentrify next level lumbersexual, artisan seitan tote bag 8-bit vaporware. Cliché chia freegan fingerstache shabby chic. Tumblr church-key post-ironic jianbing kitsch, ugh scenester listicle wolf 8-bit bespoke schlitz pop-up you probably haven't heard of them. Narwhal cold-pressed farm-to-table, aesthetic trust fund venmo food truck lumbersexual art party skateboard post-ironic celiac kickstarter neutra gentrify. Actually williamsburg gochujang tousled blog. Microdosing you probably haven't heard of them dreamcatcher, unicorn biodiesel small batch actually hashtag 8-bit iceland enamel pin godard.

Intelligentsia asymmetrical fixie thundercats, skateboard pinterest sriracha stumptown bushwick edison bulb meh street art. PBR&B banjo pickled plaid forage YOLO. Viral gentrify synth, direct trade banh mi food truck godard. Ramps church-key tumblr, iceland marfa four dollar toast williamsburg unicorn pok pok tousled mustache. Iceland 8-bit hoodie salvaged, narwhal single-origin coffee scenester austin heirloom tousled art party fashion axe kale chips normcore 90's. Subway tile brooklyn ramps, raw denim air plant unicorn iPhone wayfarers tousled blue bottle bitters biodiesel raclette. Whatever vaporware

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```
// Project 5 - Controlling Traffic
// define the pins that the buttons and lights are connected to:
#define westButton 3
#define eastButton 13
#define westRed 2
#define westYellow 1
#define westGreen 0
#define eastRed 12
#define eastYellow 11
#define eastGreen 10
#define yellowBlinkTime 500 // 0.5 seconds for yellow light blink
boolean trafficWest = true; // west = true, east = false
int flowTime = 10000; // amount of time to let traffic flow
int changeDelay = 2000; // amount of time between color changes
```

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```
if ( digitalRead(eastButton) == HIGH ) // request east>west traffic
flow
{
  if ( trafficWest == true )
// only continue if traffic flow is in the opposite (west) direction
{
  trafficWest = false; // change traffic flow flag to east>west
  delay(flowTime); // give time for traffic to flow
  digitalWrite(westGreen, LOW);
// change west lights from green to yellow to red
  digitalWrite(westYellow, HIGH);
  delay(changeDelay);
  digitalWrite(westYellow, LOW);
  digitalWrite(westRed, HIGH);
  delay(changeDelay);
  for ( int a = 0 ; a < 5 ; a++ ) // blink yellow light
  {
    digitalWrite(eastYellow, LOW);
    delay(yellowBlinkTime);
    digitalWrite(eastYellow, HIGH);
    delay(yellowBlinkTime);
  }
  digitalWrite(eastYellow, LOW);
  digitalWrite(eastRed, LOW); // change east-facing lights from red to
green
  digitalWrite(eastGreen, HIGH);
}
}
}
```

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```
void setup()
{
  // setup digital I/O pins
  pinMode(westButton, INPUT);
  pinMode(eastButton, INPUT);
  pinMode(westRed, OUTPUT);
  pinMode(westYellow, OUTPUT);
  pinMode(westGreen, OUTPUT);
  pinMode(eastRed, OUTPUT);
  pinMode(eastYellow, OUTPUT);
  pinMode(eastGreen, OUTPUT);

  // set initial state for lights - west side is green first
  digitalWrite(westRed, LOW);
  digitalWrite(westYellow, LOW);
  digitalWrite(westGreen, HIGH);
  digitalWrite(eastRed, HIGH);
  digitalWrite(eastYellow, LOW);
  digitalWrite(eastGreen, LOW);
}
```

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```
}  
void loop()  
{  
  if ( digitalRead(westButton) == HIGH ) // request west>east traffic  
  flow  
  {  
    if ( trafficWest != true )  
    // only continue if traffic flowing in the opposite (east) direction  
    {  
      trafficWest = true; // change traffic flow flag to west>east  
      delay(flowTime); // give time for traffic to flow  
      digitalWrite(eastGreen, LOW); // change east-facing lights from green  
      // to yellow to red  
      digitalWrite(eastYellow, HIGH);  
      delay(changeDelay);  
      digitalWrite(eastYellow, LOW);  
      digitalWrite(eastRed, HIGH);  
      delay(changeDelay);  
      for ( int a = 0; a < 5; a++ ) // blink yellow light  
      {  
        digitalWrite(westYellow, LOW);  
        delay(yellowBlinkTime);  
        digitalWrite(westYellow, HIGH);  
        delay(yellowBlinkTime);  
      }  
      digitalWrite(westYellow, LOW);  
      digitalWrite(westRed, LOW); // change west-facing lights from red to  
      green  
      digitalWrite(westGreen, HIGH);  
    }  
  }  
}
```

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