# Project Code

void setup() {

  // configure the output pins

  pinMode(2,OUTPUT);

  pinMode(3,OUTPUT);

  pinMode(4,OUTPUT);

  pinMode(5,OUTPUT);

  pinMode(6,OUTPUT);

  pinMode(7,OUTPUT);

  pinMode(8,OUTPUT);

  pinMode(9,OUTPUT);

  pinMode(10,OUTPUT);

}

void loop()

{

  digitalWrite(2,1); //enables the 1st set of signals

  digitalWrite(7,1);

  digitalWrite(10,1);

  digitalWrite(4,0);

  digitalWrite(3,0);

  digitalWrite(6,0);

  digitalWrite(8,0);

  digitalWrite(9,0);

  digitalWrite(5,0);

  delay(5000);

  digitalWrite(3,1); //enables the yellow lights

  digitalWrite(6,1);

  digitalWrite(2,0);

  digitalWrite(7,0);

  delay(1000);

  digitalWrite(4,1); //enables the 2nd set of signals

  digitalWrite(5,1);

  digitalWrite(10,1);

  digitalWrite(2,0);

  digitalWrite(3,0);

  digitalWrite(6,0);

  digitalWrite(8,0);

  digitalWrite(9,0);

  digitalWrite(7,0);

  delay(5000);

  digitalWrite(9,1); //enables the yellow lights

  digitalWrite(6,1);

  digitalWrite(10,0);

  digitalWrite(5,0);

  digitalWrite(4,0);

  delay(1000);

  digitalWrite(8,1); //enables the 3rd set of signals

  digitalWrite(4,1);

  digitalWrite(7,1);

  digitalWrite(2,0);

  digitalWrite(3,0);

  digitalWrite(5,0);

  digitalWrite(6,0);

  digitalWrite(9,0);

  digitalWrite(10,0);

  delay(5000);

  digitalWrite(9,1); //enables the yellow lights

  digitalWrite(3,1);

  digitalWrite(7,0);

  digitalWrite(8,0);

  digitalWrite(4,0);

  delay(1000);

}