

Semafor 2

```
int prepinac=2;
int tlacitko = 0;
int cervena1=3;
int oranzova1=4;
int zelena1=5;
int cervena3=9;
int zelena3=10;
int modra=11; //kontrolni dioda pro chodce
void setup() {
  pinMode(prepinac, INPUT);
  pinMode(cervena1, OUTPUT);
  pinMode(oranzova1, OUTPUT);
  pinMode(zelena1, OUTPUT);
  pinMode(cervena3, OUTPUT);
  pinMode(zelena3, OUTPUT);
  pinMode(modra, OUTPUT);
  digitalWrite(zelena1, HIGH);
  digitalWrite(cervena3, HIGH);
  attachInterrupt(digitalPinToInterrupt(prepinac), zmena,
  RISING);
}
void loop() {
  delay(2000);
  if (tlacitko)
  {
    digitalWrite(zelena1, LOW);
    digitalWrite(oranzova1, HIGH);
    delay(1000);
    digitalWrite(oranzova1, LOW);
    digitalWrite(cervena1, HIGH);
    delay(500);
    digitalWrite(zelena3, HIGH);
    digitalWrite(cervena3, LOW);
    digitalWrite(modra,LOW);
    tlacitko=0;
    delay(2000);
    digitalWrite(zelena3, LOW);
    digitalWrite(oranzova1, HIGH);
    digitalWrite(cervena3, HIGH);
    delay(1000);
    digitalWrite(cervena1, LOW);
    digitalWrite(oranzova1, LOW);
    digitalWrite(zelena1, HIGH);
  }
}

void zmena(){
  tlacitko=1;
  digitalWrite(modra, HIGH);
}
```

