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```
byte State = HIGH;
const int LED1 = 5, LED2 = 7, LED3 = 9, LED4 = 11, buttonPin = 2;
void Setup () {
```

```
  pinMode(LED1, OUTPUT);
```

```
  pinMode(LED2, OUTPUT);
```

```
  pinMode(LED3, OUTPUT);
```

```
  pinMode(LED4, OUTPUT);
```

```
  pinMode(buttonPin, INPUT_PULLUP);
```

```
  Serial.begin(9600);
```

```
  attachInterrupt(digitalPinToInterrupt(buttonPin), blink, CHANGE);
}
```

```
void blink() {
```

```
  State = !State;
```

```
}
```

```
void loop() {
```

```
  digitalWrite(LED1, HIGH);
```

```
  Serial.println("LED 1 ON");
```

```
  delay(3000);
```

```
  if (State == LOW) return;
```

```
  digitalWrite(LED1, LOW);
```

```
  digitalWrite(LED2, HIGH);
```

```
  Serial.println("LED 2 ON");
```

```
  delay(3000);
```

```
  if (State == LOW) return;
```

```
  digitalWrite(LED2, LOW);
```

```
  digitalWrite(LED3, HIGH);
```

```
  Serial.println("LED 3 ON");
```

```
  delay(3000);
```

```
  if (State == LOW) return;
```

```
  digitalWrite(LED3, LOW);
```

```
  Serial.println("LED 4 ON");
```

```
}
```



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