

Program - 2

Naive + Atharv Arya
USNT IBM18CS020

TRAFFIC CONTROLLER

Aim - Traffic Signal Stimulator

Hardware used -

→ Arduino Board

→ LED

→ Bread board

CODE -

```
void setup()
```

```
{
```

```
  pinMode (13, OUTPUT);
```

```
  pinMode (12, OUTPUT);
```

```
  pinMode (8, OUTPUT);
```

```
}
```

```
void loop()
```

```
{
```

```
  digitalWrite (13, HIGH);
```

```
  digitalWrite (12, LOW);
```

```
  digitalWrite (8, LOW);
```

```
}
```

```
void yellow()
```

```
{  
  digitalWrite (13, LOW);  
  digitalWrite (12, HIGH);  
  digitalWrite (8, LOW);  
}
```

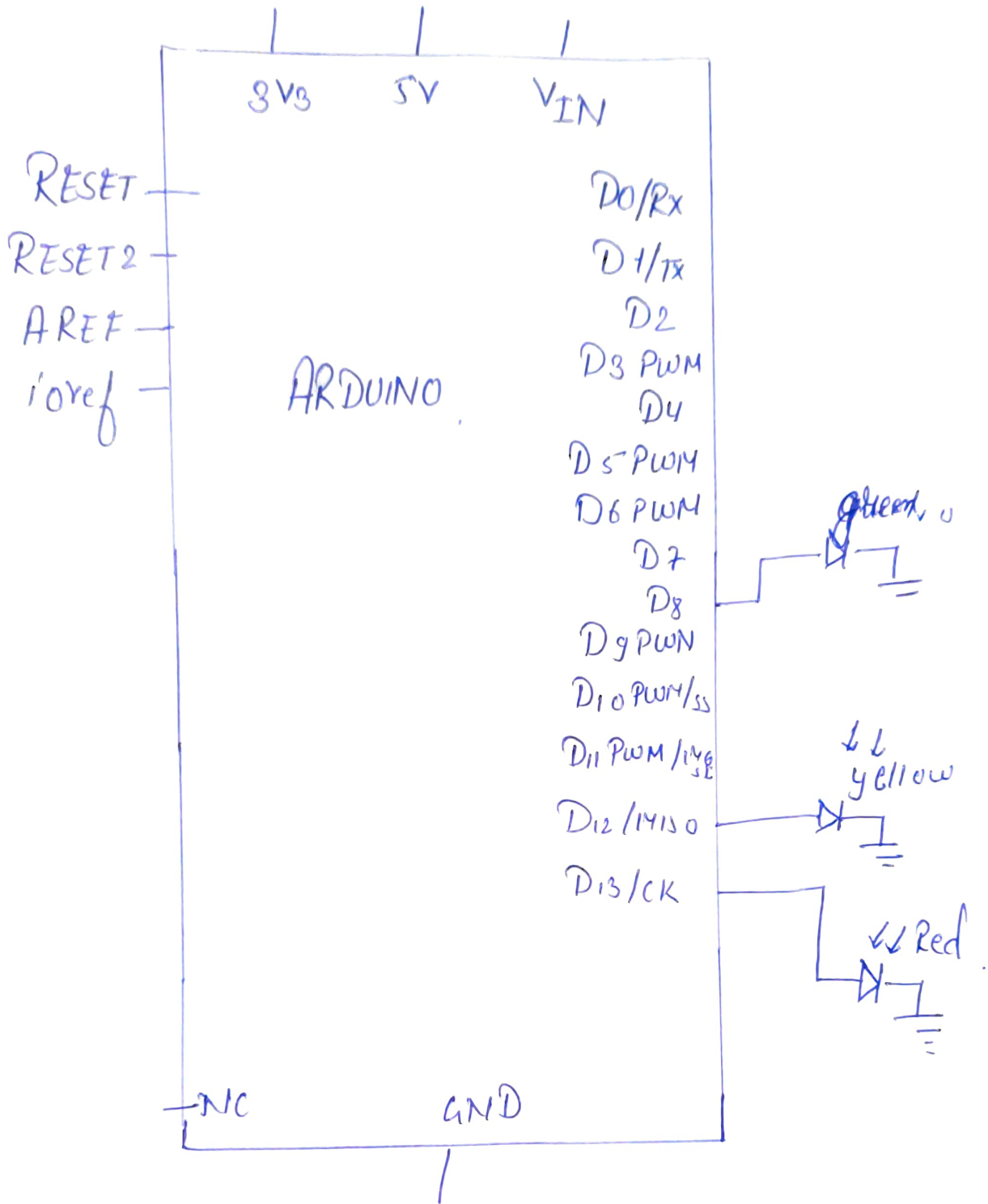
```
void green()
```

```
{  
  digitalWrite (13, LOW);  
  digitalWrite (12, LOW);  
  digitalWrite (8, HIGH);  
}
```

```
void loop()
```

```
{  
  led ();  
  delay (3000);  
  yellow ();  
  delay (1500);  
  green ();  
  delay (3000);  
  yellow ();  
  delay (1500);  
}
```

Circuit Diagram.



Arduino Traffic Light Circuit.