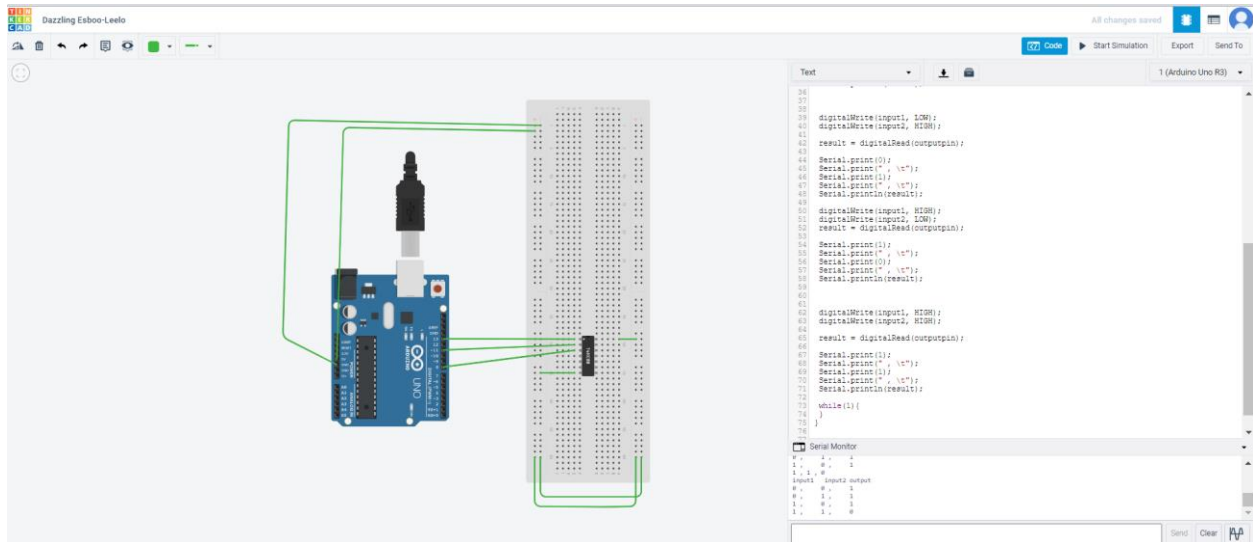


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```
int outputpin = 8;
```

```
int input1 = 13;
```

```
int input2 = 11;
```

```
void setup()
```

 $\{$

```
pinMode(input1, OUTPUT);
```

```
pinMode(input2, OUTPUT);
```

```
pinMode(outputpin, INPUT);
```

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

}

```
void loop()
```

 $\{$

```
Serial.print("input1");
```

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```
Serial.print("\t ");  
Serial.print("input2");  
Serial.print("\t");  
Serial.print("output");  
Serial.println();
```

```
digitalWrite(input1, LOW);  
digitalWrite(input2, LOW);
```

```
int result = digitalRead(outputpin);
```

```
Serial.print(0);  
Serial.print(" , \t");  
Serial.print(0);  
Serial.print(" , \t");  
Serial.println(result);
```

```
digitalWrite(input1, LOW);  
digitalWrite(input2, HIGH);
```

```
result = digitalRead(outputpin);
```

```
Serial.print(0);  
Serial.print(" , \t");  
Serial.print(1);  
Serial.print(" , \t");
```

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```
Serial.println(result);
```

```
digitalWrite(input1, HIGH);
```

```
digitalWrite(input2, LOW);
```

```
result = digitalRead(outputpin);
```

```
Serial.print(1);
```

```
Serial.print(" , \t");
```

```
Serial.print(0);
```

```
Serial.print(" , \t");
```

```
Serial.println(result);
```

```
digitalWrite(input1, HIGH);
```

```
digitalWrite(input2, HIGH);
```

```
result = digitalRead(outputpin);
```

```
Serial.print(1);
```

```
Serial.print(" , \t");
```

```
Serial.print(1);
```

```
Serial.print(" , \t");
```

```
Serial.println(result);
```

```
while(1){
```

```
}
```

```
}
```

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