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Program: 7.Program TITLE: Human Detection with PIRAIM: Demonstrate to show the working of PIR sensorHardware Required:

↳ Arduino Board

↳ PIR Sensor

↳ LED

Code:

```
int sensorState = 0;
```

```
void setup() {
```

```
  pinMode(2, INPUT);
```

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

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

```
}
```

```
void loop() {
```

```
  sensorState = digitalRead(2);
```

```
  if (sensorState == HIGH)
```

```
  {
```

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

```
    Serial.println("Sensor activated!");
```

```
  }
```

```
  else
```

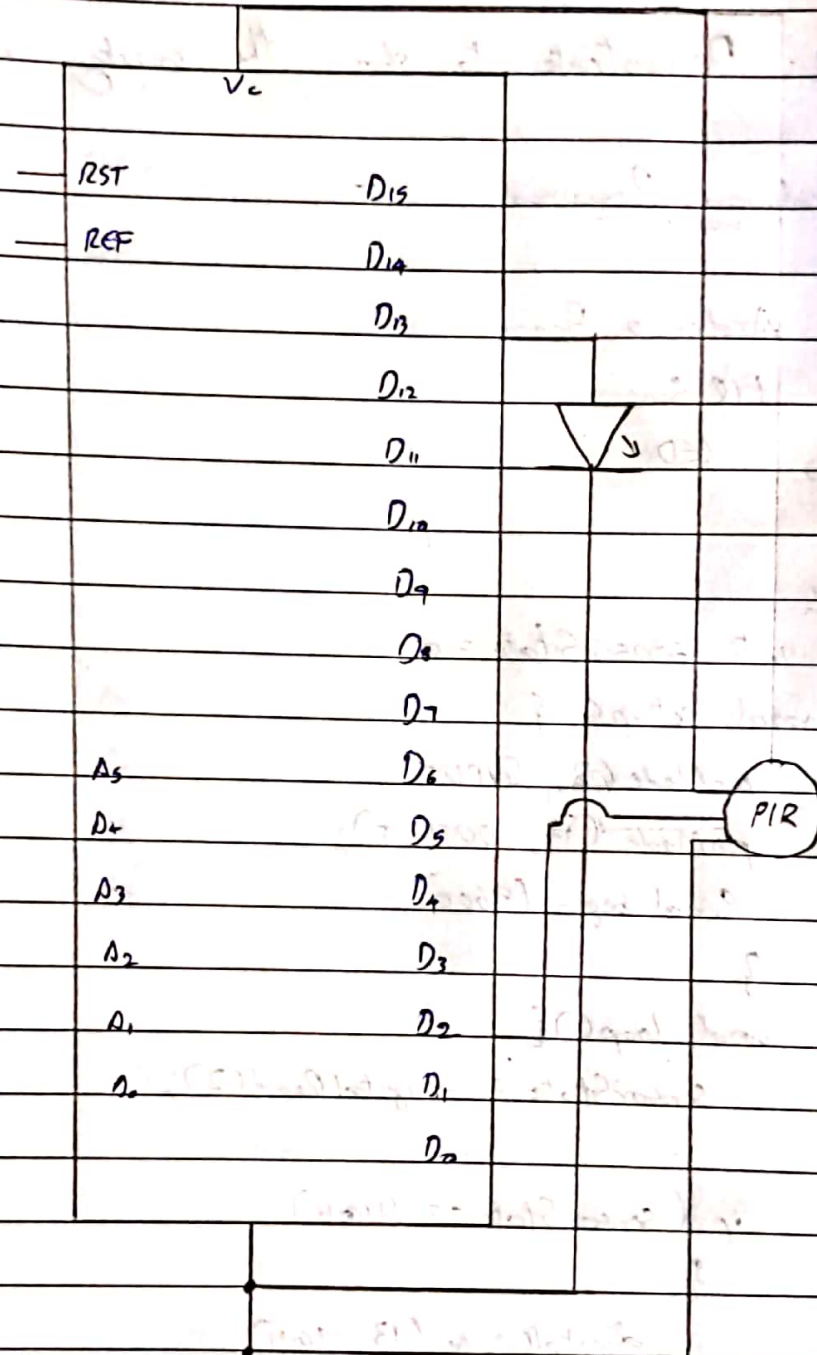
```
  { digitalWrite(13, LOW);
```

```
  }
```

```
  delay(20);
```

```
}
```

①

Circuit Diagram -

②