

Larson_Scanner

//Larson Scanner

//Mr. H.

int x = 0;

int bounce = 50;

void setup()

```
{  
  size(600,600);  
}
```

void draw()

```
{  
  background(255);
```

```
  strokeWeight(2);
```

```
  stroke(255);
```

```
  //opaque rectangle
```

```
  fill(0,0,200);
```

```
  rect(x,250,50,50);
```

```
  //semi-opaque rectangle
```

```
  fill(0,0,200,180);
```

```
  rect(x-bounce,250,50,50);
```

```
  //semi-transparent rectangle
```

```
  fill(0,0,200,120);
```

```
  rect(x-bounce*2,250,50,50);
```

```
  //transparent rectangle
```

```
  fill(0,0,200,60);
```

```
  rect(x-bounce*3,250,50,50);
```

```
  x = x + bounce;
```

```
  delay(120);
```

```
  if (x >= 550 || x <= 0)
```

```
  {  
    bounce = bounce * -1;
```

```
  }
```

```
}
```