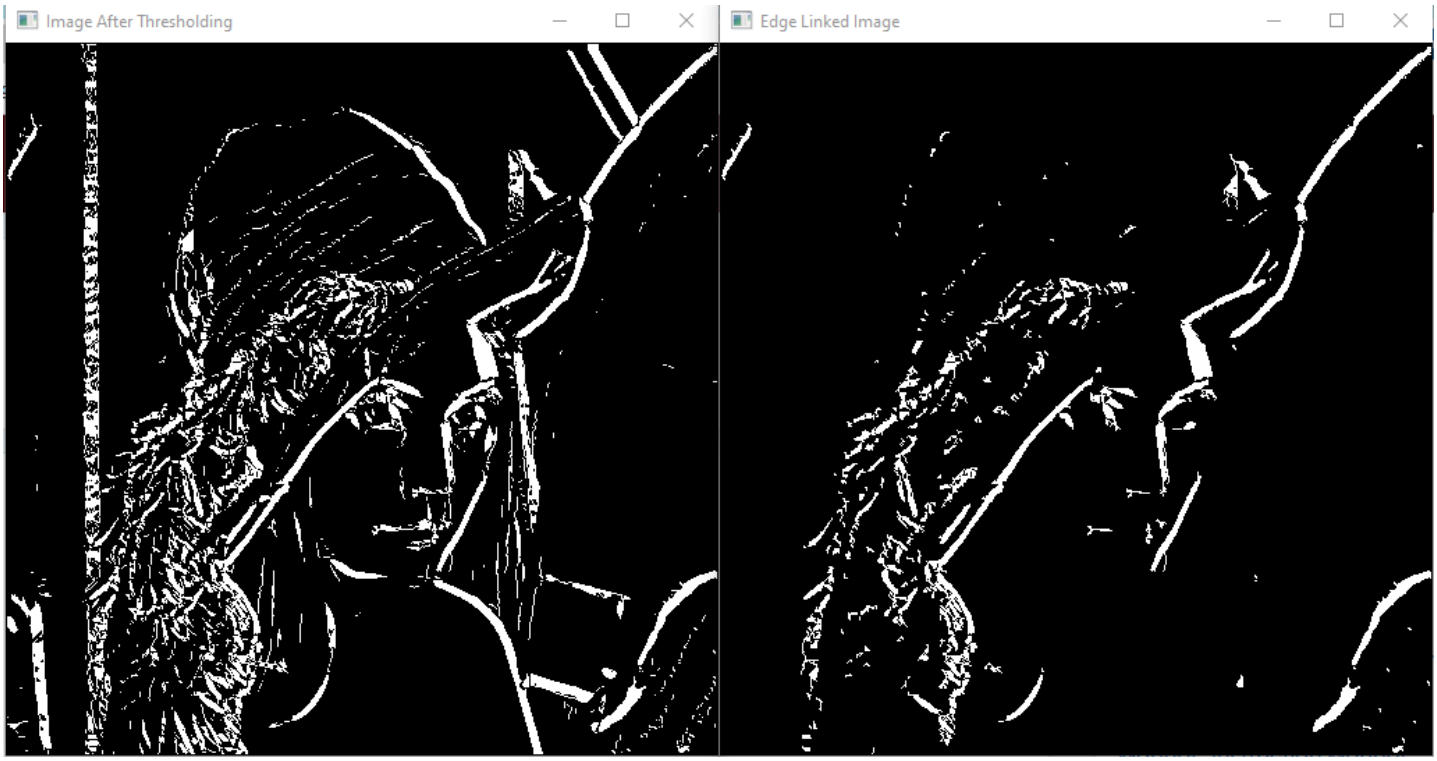
Image after Gaussian blur Sobel X Image Sobel Y Image Sobel Magnitude Image

Image after Non-maximum suppression




```
thresholdRatio_min=0.5
thresholdRatio_max=0.9
```


```
thresholdRatio_min=0.3
thresholdRatio_max=0.7
```


```
thresholdRatio_min=0.2
thresholdRatio_max=0.5
```


```
thresholdRatio_min=0.2
thresholdRatio_max=0.9
```


```
thresholdRatio_min=0.1
thresholdRatio_max=0.3
```

Conclusion-

The number of pixels that are deemed "edges" in the code above will change as the thresholds are adjusted.

More edges, including smaller and weaker ones, will be detected as the thresholds are reduced.

Fewer edges will be detected as a result of higher thresholds because only stronger edges will be taken into account.

The strength of the detected edges will change depending on the low-high threshold range used:

Only strong edges will be picked up with a limited range of low-high thresholds, while weaker edges will go undetected.

Strong and weaker edges will be picked up by a wider range of low-high thresholds, which may result in more false positives.