Description:

Implement 2 Laplacian Mask, Minimum Variance Laplacian, Laplacian of Gaussian, and Difference of Gaussian(inhibitory sigma=1, excitatory sigma=3, kernel size 11x11).
Please list the kernels and the thresholds(for zero crossing) you used.

Kernel:

Laplacian Mask 1:

	1	
1	-4	1
	1	

Laplacian Mask 2:

$\frac{1}{3}$

1	1	1
1	-8	1
1	1	1

Minimum Variance Laplacian:

$\frac{1}{3}$

2	-1	2
-1	-4	-1
2	-1	2

Laplacian of Gaussian:

```
 0   0   0  -1  -1  -2  -1  -1   0   0   0
 0   0  -2  -4  -8  -9  -8  -4  -2   0   0
 0  -2  -7 -15 -22 -23 -22 -15  -7  -2   0
-1  -4 -15 -24 -14  -1 -14 -24 -15  -4  -1
-1  -8 -22 -14  52 103  52 -14 -22  -8  -1
-2  -9 -23  -1 103 178 103  -1 -23  -9  -2
-1  -8 -22 -14  52 103  52 -14 -22  -8  -1
-1  -4 -15 -24 -14  -1 -14 -24 -15  -4  -1
 0  -2  -7 -15 -22 -23 -22 -15  -7  -2   0
 0   0  -2  -4  -8  -9  -8  -4  -2   0   0
 0   0   0  -1  -1  -2  -1  -1   0   0   0
```

Difference of Gaussian:

```
-1  -3   -4   -6   -7   -8   -7   -6   -4   -3  -1
-3  -5   -8  -11  -13  -13  -13  -11   -8   -5  -3
-4  -8  -12  -16  -17  -17  -17  -16  -12   -8  -4
-6 -11  -16  -16    0   15    0  -16  -16  -11  -6
-7 -13  -17    0   85  160   85    0  -17  -13  -7
-8 -13  -17   15  160  283  160   15  -17  -13  -8
-7 -13  -17    0   85  160   85    0  -17  -13  -7
-6 -11  -16  -16    0   15    0  -16  -16  -11  -6
-4  -8  -12  -16  -17  -17  -17  -16  -12   -8  -4
-3  -5   -8  -11  -13  -13  -13  -11   -8   -5  -3
-1  -3   -4   -6   -7   -8   -7   -6   -4   -3  -1
```
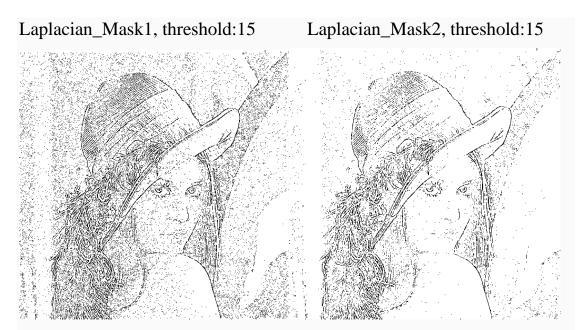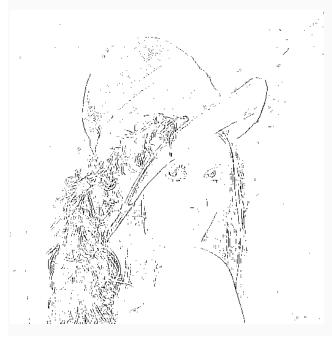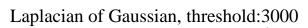
Result:

Laplacian_Mask1, threshold:15   Laplacian_Mask2, threshold:15

Minimum Variance Laplacian, threshold:20

Laplacian of Gaussian, threshold:3000

Difference of Gaussian, threshold:1