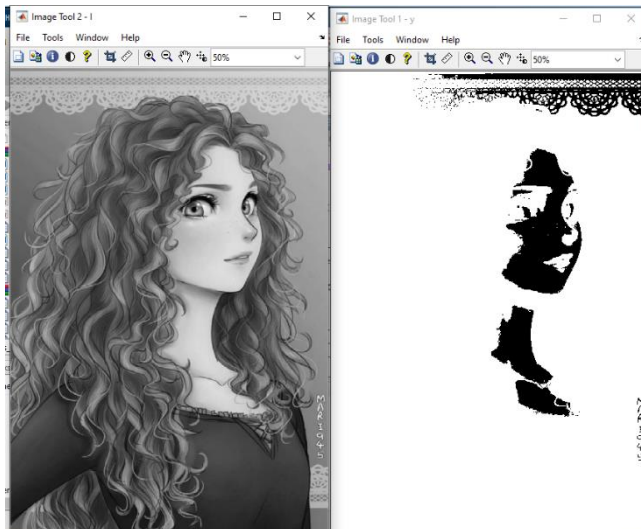


Thresold:

```
clc,clear
A=imread('merida.jpeg');
I = rgb2gray(A);
I = double(I);
I = I/(max(max(I)));
[N,M] = size(I);

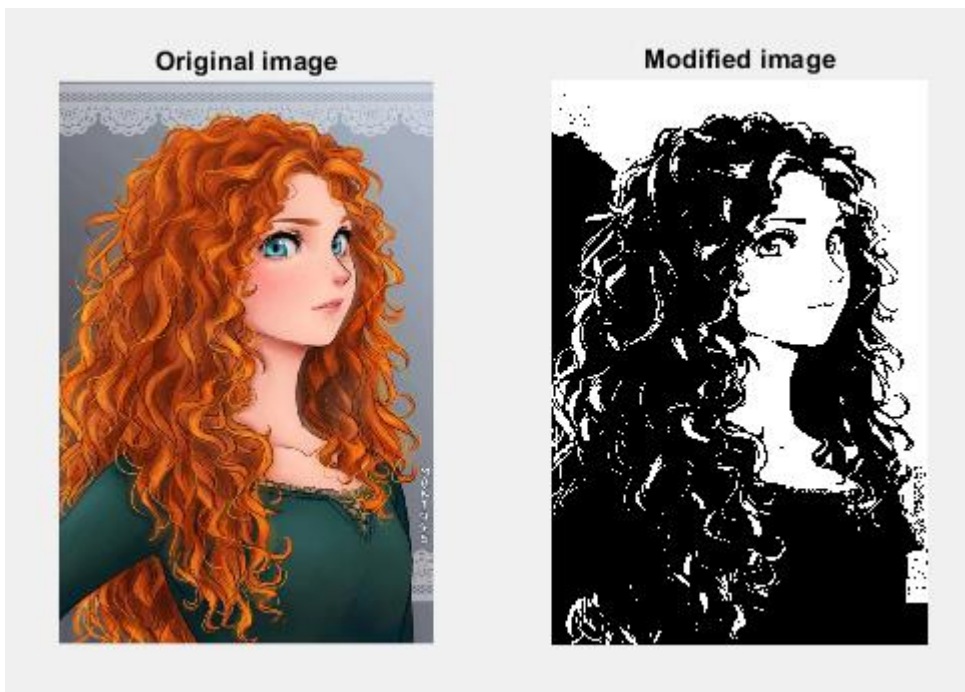
kernel=[-1,-1,-1;-1,9,-1;-1,-1,-1];
[L,K] = size(kernel);

a=(L-1)/2; b=(K-1)/2;
y=zeros(N,M);
for i=2:N-1
    for j=2:M-1
        if (I(i,j)<0.78)
            y(i,j)=1;
        end
    end
end
imtool(y)
imtool(I)
```



Binarized

```
clear,clc;
A=imread('merida.jpeg');
I=rgb2gray(A);
I=double(I);
I= I/(max(max(I)));
[N,M]=size(I);y =zeros(N,M);%create array of all zeros
imtool(y)
%binarizado por umbral
for i=1:N
    for j=1:M
        if I(i,j)>0.5
            y(i,j)=1;
        end
    end
end
end
figure
subplot(1,2,1)
imshow(A);
title('Original image');
subplot(1,2,2)
imshow(y);
title('Modified image');
```



Negative

```
clear,clc;
A=imread('merida.jpeg');
I=rgb2gray(A);
I=double(I);
I= I/(max(max(I)));
[N,M]=size(I);y =zeros(N,M);%create array of all zeros
imtool(y)

for i=1:N
    for j=1:M
        if I(i,j)<0.8
            y(i,j)=1;
        end
    end
end
figure
subplot(1,2,1)
imshow(A);
title('Original image');
subplot(1,2,2)
imshow(y);
title('Modified image');
```

