**Forgery code**

**\* Pseudo-code for reading the original image**

Img=imread(‘a1.jpg’); //Reading the original image

If(ndims(img)==3);

img=rgb2gray(img);

end

**\* Pseudo-code for reading the forged image**

I=imread(‘a.jpg); %reading the forged image

If(ndims(I)==3)

I=rgb2gray(I);

end

**\* Pseudo-code for image subtraction**

D=abs(double(I)-double(img));

**\* Pseudo-code for labelling the connected components**

[L,n]=bwlabel(D,8);

Output=img;

For j=1:n

**\* Pseudo-code for extracting the components**

[row, col]=find(L==j);

**\* Pseudo-code for extracting the component that has large size**

If(numel(row)>sz)

**\* Pseudo-code for finding the starting position (x,y) for the component**

y=min(col);

x=min(row);

**\* Pseudo-code for extra part mark black**

Output(x:x+blk,y:y+blk)=0;

**\* Pseudo-code for plotting**

subplot(2,2,1);

imshow(img);

subplot(2,2,2);

imshow(I);

subplot(2,2,3);

imshow(Output);