```
function result = embedColorImage(mainImg,hiddenImg)

            %convert the loaded main and hidden image into
            %... a binary character arrayr , nx1
            imgBinMain = dec2bin(mainImg,8);

            imgBinHidden = dec2bin(hiddenImg,8);



            %handels greyscale images of one layer
            if length(imgBinHidden)==160000
                imgBinHidden =
 [imgBinHidden;imgBinHidden;imgBinHidden];
                fprintf("yes")
            end

            %handels smaller or bigger images than the main image
            if length(imgBinHidden)~=480000
                hiddenImg=imresize(hiddenImg,[400 400]);
                imgBinHidden = dec2bin(hiddenImg,8);
            end



            %FOR LOOP
            %take the first four digits of front
            %add it to last four of bin apple
            %only need one loop bc linear indexing

            len_Main = length(imgBinHidden);
            tempVec = imgBinMain;

            %embedding process
            for x = 1:len_Main
                mainTemp = imgBinMain(x,:); %gets each rgb value as
 binary character array
                %in the whole binary array
                hiddenTemp = imgBinHidden(x,:); %gets the binary
 values of hidden image
                frontMain=extractBetween(mainTemp,1,4); %gets first
 four bits of main image (significant)
                lastHidden=extractBetween(hiddenTemp,1,4);
                %gets first four bits of hidden image (significant)
                tempVec(x,:) = strcat(frontMain{:},lastHidden{:});
                %places first four bits of main infront of first
                %four bits of hidden and creates a new binary array
 same size of the main image
            end
```

```
result=reshape(uint8(bin2dec(tempVec)),400,400,3); %converts binary vector to image

        end
```

```
Not enough input arguments.

Error in embedColorImage (line 7)
            imgBinMain = dec2bin(mainImg,8);
```

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