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```
clc;
close all;
clear all;
I=0;

figure;
J=imread('barbara.gif');
for K=55:-10:5
    I=I+1;
    imwrite(J, strcat('barbara',int2str(K),'.jpeg'),'Quality',K);
    subplot(2,3,I);
    imshow(strcat('barbara',int2str(K),'.jpeg'));
    title(strcat('Quality=',int2str(K)));
end

for L=55:-10:5
    J = imread(strcat('barbara',int2str(L),'.jpeg'));
    h=imhist(J);
    figure;
    subplot(1,2,1);
    imshow(strcat('barbara',int2str(L),'.jpeg'));
    title(strcat('Quality=',int2str(L)));
    subplot(1,2,2);
    bar(h,'b');
end
```

Quality=55



Quality=45



Quality=35



Quality=25



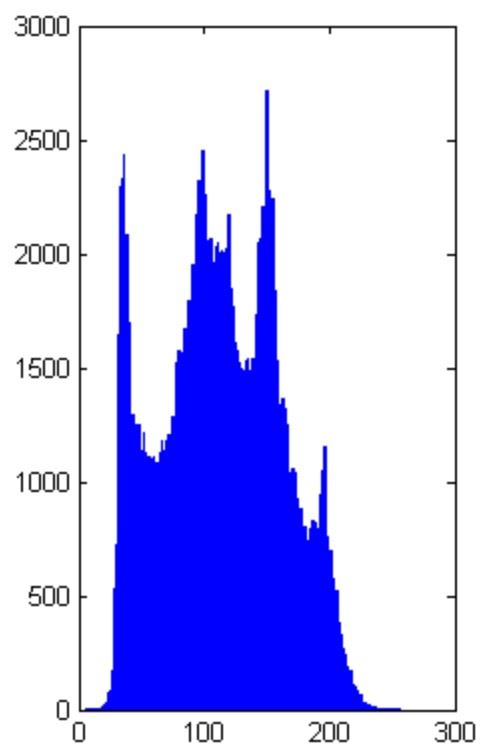
Quality=15



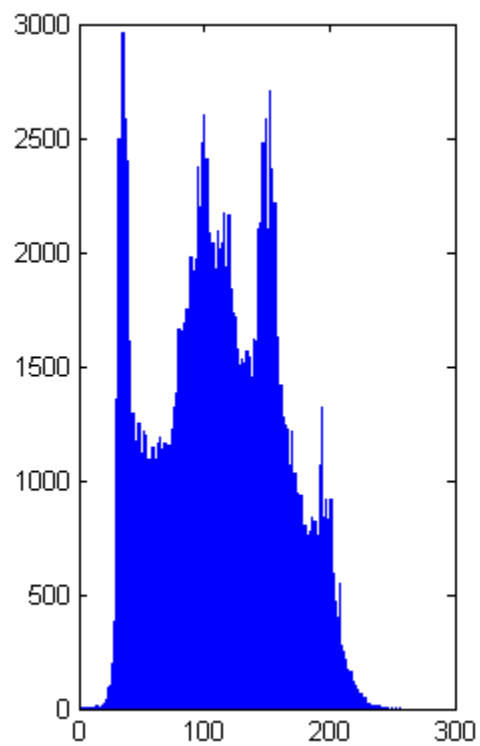
Quality=5



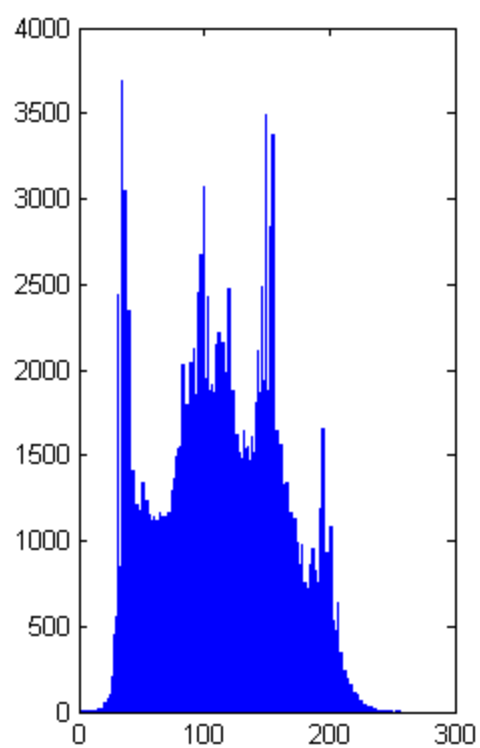
Quality=55



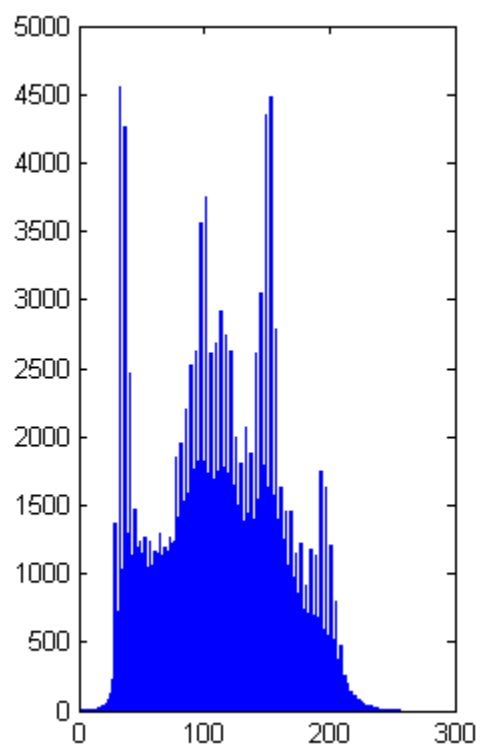
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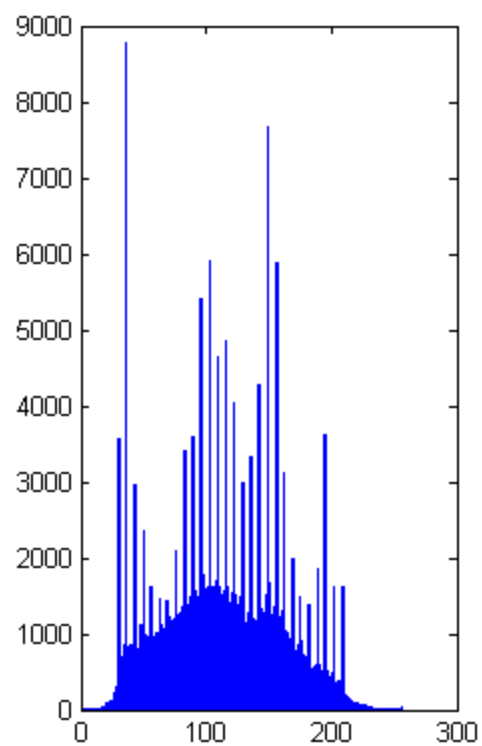
Quality=35



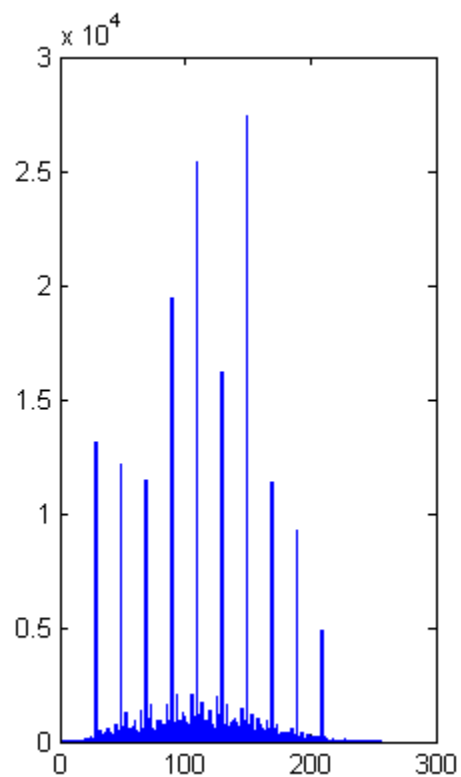
Quality=25



Quality=15



Quality=5



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