function [IExtract] = ExtractImage(I,In)  
% This function receives the image to be extracted to a black background  
% and the thresholded image (having the pixels locating where the target  
% is). This function then produces a target image with black background.  
% I: target image  
% In: thresholded image  
  
clear row column int S sizerow sizecolumn R C  
[row,column,~] = find(In>0);  
S = length(row);  
[sizerow,sizecolumn] = size(In);  
IExtract = zeros(sizerow,sizecolumn);  
for i = 1:S  
 R = row(i,1);  
 C = column(i,1);  
 IExtract(R,C) = I(R,C);  
end

Not enough input arguments.  
  
Error in ExtractImage (line 9)  
[row,column,~] = find(In>0);

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