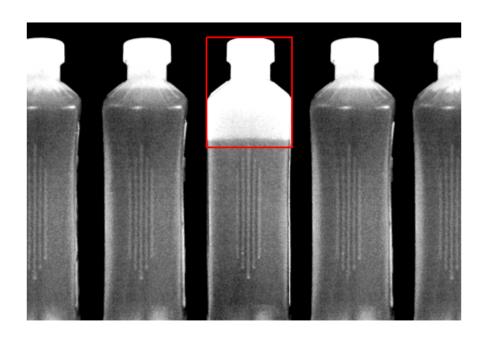
```
close all;
im = imread('bottles.tif');
%convert to binary image
bw = im2bw(im, 0.7);
%find connected components
cc = bwconncomp(bw);
%find number of pixels in ccs
numPixels = cellfun(@numel,cc.PixelIdxList);
%sort blobs based on size
[sortedPix, index] = sort(numPixels, 'descend');
%find large blobs
numBottles = size(find(sortedPix > 1000),2);
%average of empy regions around bottles
correctAr = sum(sortedPix(1:numBottles))/numBottles;
%find bounding box coordinates around the blobs
ms = regionprops(cc, 'BoundingBox');
ms = ms(index);
figure;
imshow(im);
drawnow;
hold on;
for blobNumber = 1:length(ms)
        %rectangle('Position', ms(1).BoundingBox, 'EdgeColor', 'r', 'LineWidth', 2
        if sortedPix(blobNumber) > correctAr
            rectangle('Position', ms(blobNumber).BoundingBox, 'EdgeColor', 'r', 'L
        else
            break;
        end
end
hold off;
        ans =
             7
```

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