

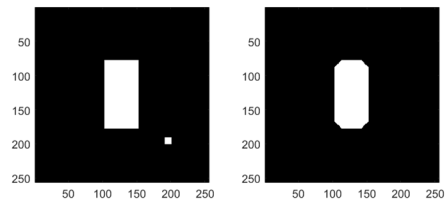
```
% Morphological operations
```

```
A = zeros(256);  
A(78:177,103:152) = ones(100,50);  
A(191:200,191:200) = ones(10);
```

```
B = strel('disk',20);  
C = strel('rectangle',[100,50]);
```

```
% Smooths the corners of the rectangle and deletes the square  
D = imopen(A,B);  
% Outputs the centre pixel of the rectangle and deletes the square  
E = imerode(A,C);
```

```
subplot(1,2,1);  
imagesc( A )  
colormap( gray ( 256 ) )  
axis image  
subplot(1,2,2);  
imagesc( D )  
colormap( gray ( 256 ) )  
axis image
```



```
figure  
subplot(1,2,1);  
imagesc( A )  
colormap( gray ( 256 ) )  
axis image  
subplot(1,2,2);  
imagesc( E )  
colormap( gray ( 256 ) )  
axis image
```

