## Marker-Controlled Watershed Segmentation

The watershed transform finds "catchment basins" and "watershed ridge lines" in an image by treating it as a surface where light pixels are high and dark pixels are low.

Segmentation using the watershed transform works better if you can identify, or "mark," foreground objects and background locations. Marker-controlled watershed segmentation follows this basic procedure:

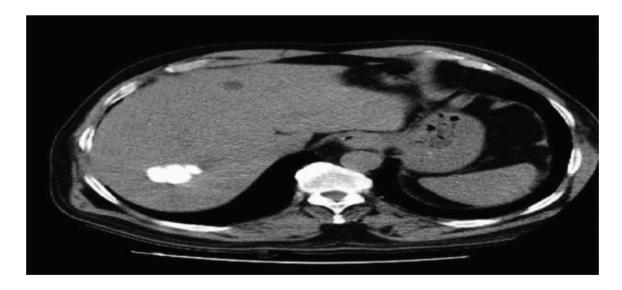
- 1. Compute a segmentation function. This is an image whose dark regions are the objects you are trying to segment.
- 2. Compute foreground markers. These are connected blobs of pixels within each of the objects.
- 3. Compute background markers. These are pixels that are not part of any object.
- 4. Modify the segmentation function so that it only has minima at the foreground and background marker locations.
- 5. Compute the watershed transform of the modified segmentation function.

This example highlights many different Image Processing Toolbox<sup>™</sup> functions, including imgradient, watershed, label2rgb, labeloverlay, imopen, imclose, imreconstruct, imcomplement, im and imimposemin.

## Step 1: Read in the Color Image and Convert it to Grayscale

```
rgb = imread('E:\matlab_code\original.jpg');
I = rgb2gray(rgb);
imshow(I)
```

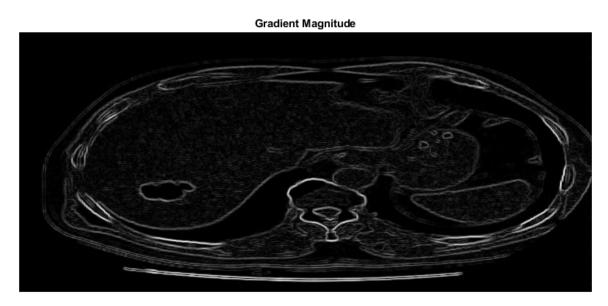
Warning: MATLAB has disabled some advanced graphics rendering features by switching to software OpenGL. For more information, click here.



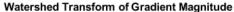
**Step 2: Use the Gradient Magnitude as the Segmentation Function** 

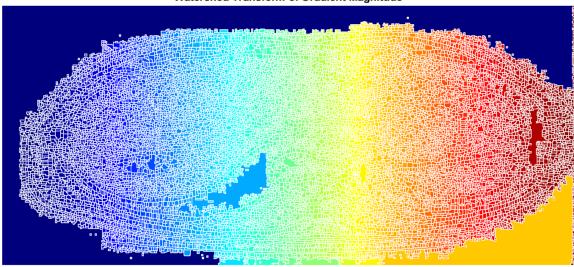
Compute the gradient magnitude. The gradient is high at the borders of the objects and low (mostly) inside the objects.

```
gmag = imgradient(I);
imshow(gmag,[])
title('Gradient Magnitude')
```



```
L = watershed(gmag);
Lrgb = label2rgb(L);
imshow(Lrgb)
title('Watershed Transform of Gradient Magnitude')
```





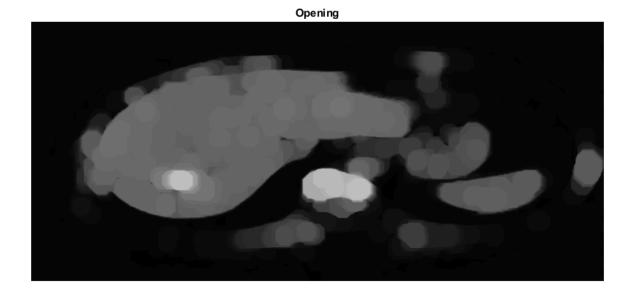
# **Step 3: Mark the Foreground Objects**

A variety of procedures could be applied here to find the foreground markers, which must be connected blobs of pixels inside each of the foreground objects. In this example you'll use morphological techniques called "opening-by-reconstruction" and "closing-by-reconstruction" to "clean" up the image. These operations will create flat maxima inside each object that can be located using imregionalmax.

Opening is an erosion followed by a dilation, while opening-by-reconstruction is an erosion followed by a morphological reconstruction. Let's compare the two. First, compute the opening using imopen.

```
se = strel('disk',13);

Io = imopen(I,se);
imshow(Io)
title('Opening')
```



Next compute the opening-by-reconstruction using imerode and imreconstruct.

```
Ie = imerode(I,se);
Iobr = imreconstruct(Ie,I);
imshow(Iobr)
title('Opening-by-Reconstruction')
```

Opening-by-Reconstruction

Opening-by-Reconstruction

Following the opening with a closing can remove the dark spots and stem marks. Compare a regular

morphological closing with a closing-by-reconstruction. First try imclose:

```
Ioc = imclose(Io,se);
```

```
imshow(Ioc)
title('Opening-Closing')
```

Opening-Closing

Opening-Closing

Now use imdilate followed by imreconstruct. Notice you must complement the image inputs and output of imreconstruct.

```
Iobrd = imdilate(Iobr,se);
Iobrcbr = imreconstruct(imcomplement(Iobrd),imcomplement(Iobr));
Iobrcbr = imcomplement(Iobrcbr);
imshow(Iobrcbr)
title('Opening-Closing by Reconstruction')
```



As you can see by comparing Iobrcbr with Ioc, reconstruction-based opening and closing are more effective than standard opening and closing at removing small blemishes without affecting the overall shapes of the objects. Calculate the regional maxima of Iobrcbr to obtain good foreground markers.

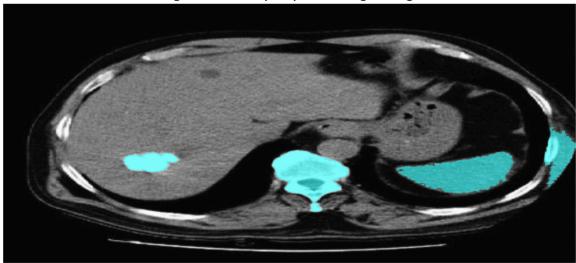
```
fgm = imregionalmax(Iobrcbr);
imshow(fgm)
title('Regional Maxima of Opening-Closing by Reconstruction')
```

Regional Maxima of Opening-Closing by Reconstruction

To help interpret the result, superimpose the foreground marker image on the original image.

```
I2 = labeloverlay(I,fgm);
imshow(I2)
title('Regional Maxima Superimposed on Original Image')
```

Regional Maxima Superimposed on Original Image



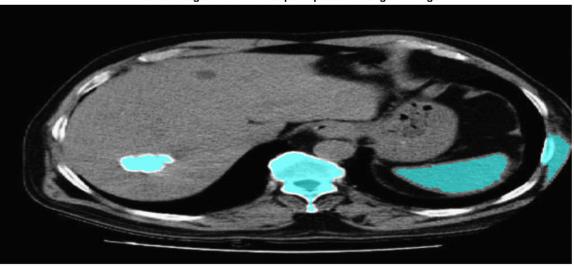
Notice that some of the mostly-occluded and shadowed objects are not marked, which means that these objects will not be segmented properly in the end result. Also, the foreground markers in some objects go right up to the objects' edge. That means you should clean the edges of the marker blobs and then shrink them a bit. You can do this by a closing followed by an erosion.

```
se2 = strel(ones(5,5));
fgm2 = imclose(fgm,se2);
fgm3 = imerode(fgm2,se2);
```

This procedure tends to leave some stray isolated pixels that must be removed. You can do this using bwareaopen, which removes all blobs that have fewer than a certain number of pixels.

```
fgm4 = bwareaopen(fgm3,20);
I3 = labeloverlay(I,fgm4);
imshow(I3)
title('Modified Regional Maxima Superimposed on Original Image')
```

Modified Regional Maxima Superimposed on Original Image



# **Step 4: Compute Background Markers**

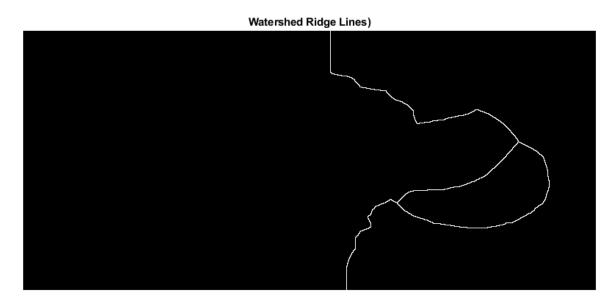
Now you need to mark the background. In the cleaned-up image, Iobrcbr, the dark pixels belong to the background, so you could start with a thresholding operation.

```
bw = imbinarize(Iobrcbr);
imshow(bw)
title('Thresholded Opening-Closing by Reconstruction')
```

Thresholded Opening-Closing by Reconstruction

The background pixels are in black, but ideally we don't want the background markers to be too close to the edges of the objects we are trying to segment. We'll "thin" the background by computing the "skeleton by influence zones", or SKIZ, of the foreground of bw. This can be done by computing the watershed transform of the distance transform of bw, and then looking for the watershed ridge lines (DL == 0) of the result.

```
D = bwdist(bw);
DL = watershed(D);
bgm = DL == 0;
imshow(bgm)
title('Watershed Ridge Lines)')
```



# Step 5: Compute the Watershed Transform of the Segmentation Function.

The function imimposemin can be used to modify an image so that it has regional minima only in certain desired locations. Here you can use imimposemin to modify the gradient magnitude image so that its only regional minima occur at foreground and background marker pixels.

```
gmag2 = imimposemin(gmag, bgm | fgm4);
```

Finally we are ready to compute the watershed-based segmentation.

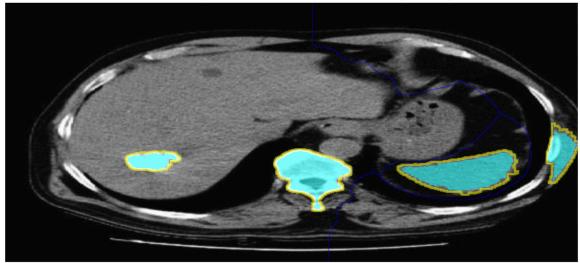
```
L = watershed(gmag2);
```

### Step 6: Visualize the Result

One visualization technique is to superimpose the foreground markers, background markers, and segmented object boundaries on the original image. You can use dilation as needed to make certain aspects, such as the object boundaries, more visible. Object boundaries are located where L == 0. The binary foreground and background markers are scaled to different integer values so that they are assigned different labels.

```
labels = imdilate(L==0,ones(3,3)) + 2*bgm + 3*fgm4;
I4 = labeloverlay(I,labels);
imshow(I4)
title('Markers and Object Boundaries Superimposed on Original Image')
```

Markers and Object Boundaries Superimposed on Original Image

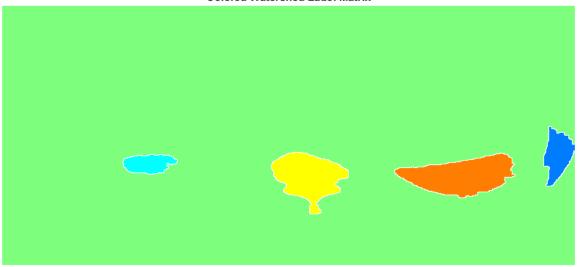


This visualization illustrates how the locations of the foreground and background markers affect the result. In a couple of locations, partially occluded darker objects were merged with their brighter neighbor objects because the occluded objects did not have foreground markers.

Another useful visualization technique is to display the label matrix as a color image. Label matrices, such as those produced by watershed and bwlabel, can be converted to truecolor images for visualization purposes by using label2rgb.

```
Lrgb = label2rgb(L,'jet','w','shuffle');
imshow(Lrgb)
title('Colored Watershed Label Matrix')
```

#### Colored Watershed Label Matrix



You can use transparency to superimpose this pseudo-color label matrix on top of the original intensity image.

```
figure
imshow(I)
hold on
himage = imshow(Lrgb);
himage.AlphaData = 0.3;
title('Colored Labels Superimposed Transparently on Original Image')
```

### Geometrical features

```
folder = 'E:\matlab_code';
fullFileName = fullfile(folder,'I2.jpg');
imwrite(fgm, fullFileName);
img1=imread('E:\matlab_code\I2.jpg');
imshow(img1)

%img1=rgb2gray(img1);
%imshow(img1)

img2=imbinarize(img1,graythresh(img1));
imshow(img2)
number_of_white_pixels = nnz(img2);
disp(number_of_white_pixels)
```

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```
bwarea(img2)
```

```
img3=~img2;
imshow(img3)

B = bwboundaries(img3);
imshow(img3)
text(10,10,strcat('\color{green}Objects Found:',num2str(length(B))))
hold on

for k = 1:length(B)
boundary = B{k};
plot(boundary(:,2), boundary(:,1), 'g', 'LineWidth', 0.2)
end
disp("The no of object are :")
```

The no of object are :

```
disp(length(B))
```

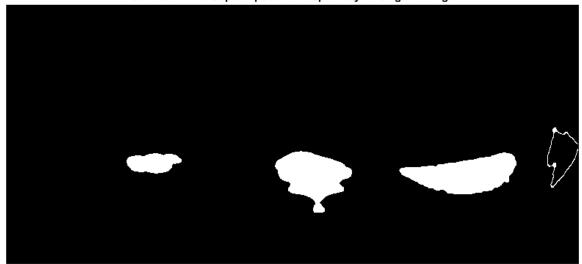
5

```
format long
i=imread('E:\matlab_code\I2.jpg');
imshow(i);
bw=edge(i,'canny');
imshow(bw);
bw = bwareaopen(bw,30);
se = strel('disk',2);
bw = imclose(bw,se);
bw = imfill(bw,'holes');
imshow(bw);
L = bwlabel(bw);
s = regionprops(L, 'centroid');
dt = regionprops(L, 'area');
cv = regionprops(L, 'perimeter');
dim = size(s)
```

```
\begin{array}{c} \text{dim = } 1 \times 2 \\ & 4 \end{array}
```

```
BW_filled = imfill(bw,'holes');
boundaries = bwboundaries(BW_filled);
imshow(bw);
```

Colored Labels Superimposed Transparently on Original Image



```
figure;imshow(i);
hold on;
for k=1:dim(1)
            b= boundaries{k};
            dim = size(b)
             for i=1:dim(1)
                          khoangcach\{k\}(1,i) = sqrt((b(i,2) - s(k).Centroid(1))^2 + (b(i,1) - s(k).Centroid(1))^2 + (b(i,1) - s(k).Centroid(1))^3 + (b(i,1) - s(k).Centroid(1))^4 + (b(i,1) - s(k).Centroid(1))^5 + (b(i,1) - s(k).Centroid(1))^6 + (b
             end
             a=max(khoangcach{k});
             b=min(khoangcach{k});
             c=dt(k).Area;
             dolech=a-b;
            vuong = c/(4*b^2)
             chunhat=c/(4*b*(a^2-b^2)^0.5);
            tamgiacdeu=(c*3^0.5)/((a+b)^2);
             elip =c/(a*b*pi);
             thoi= (c*(a^2 - b^2)^0.5) / (2*a^2*b)
             if dolech < 10</pre>
                                      text(s(k).Centroid(1)-20,s(k).Centroid(2),'circle')
             elseif (vuong < 1.05 ) && (vuong > 0.95 )
                                     text(s(k).Centroid(1)-20,s(k).Centroid(2),'square')
             elseif (elip < 1.05 ) && (elip > 0.95 )
                                      text(s(k).Centroid(1)-20,s(k).Centroid(2),'ellipse')
             elseif (thoi < 1.05 ) && (thoi > 0.95 )
                                     text(s(k).Centroid(1)-20,s(k).Centroid(2),'diamond')
             elseif ((chunhat <1.05) && (chunhat >0.95))
                                     text(s(k).Centroid(1)-20,s(k).Centroid(2),'rectangle')
             elseif (tamgiacdeu < 1.05 ) && (tamgiacdeu > 0.95 )
                                      text(s(k).Centroid(1)-20,s(k).Centroid(2),'triangle')
             end
end
```

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                        {1×16 double}
khoangcach = 1×2 cell array
    \{1\times163 \text{ double}\}\ \{1\times17 \text{ double}\}\
khoangcach = 1×2 cell array
    {1×163 double}
                        {1×18 double}
khoangcach = 1×2 cell array
    \{1\times163 \text{ double}\}\ \{1\times19 \text{ double}\}\
khoangcach = 1×2 cell array
    {1×163 double}
                        {1×20 double}
khoangcach = 1×2 cell array
    {1×163 double}
                        {1×21 double}
khoangcach = 1×2 cell array
    \{1\times163 \text{ double}\}\ \{1\times22 \text{ double}\}\
khoangcach = 1×2 cell array
    {1×163 double}
                       {1×23 double}
khoangcach = 1×2 cell array
    {1×163 double}
                        {1×24 double}
khoangcach = 1×2 cell array
    {1×163 double}
                       {1×25 double}
khoangcach = 1×2 cell array
    \{1\times163 \text{ double}\}\ \{1\times26 \text{ double}\}\
khoangcach = 1×2 cell array
    \{1\times163 \text{ double}\}\ \{1\times27 \text{ double}\}\
khoangcach = 1×2 cell array
    {1×163 double}
                        {1×28 double}
khoangcach = 1×2 cell array
    \{1\times163 \text{ double}\}\ \{1\times29 \text{ double}\}\
khoangcach = 1×2 cell array
    {1×163 double}
                        {1×30 double}
khoangcach = 1×2 cell array
    {1×163 double}
                        {1×31 double}
khoangcach = 1×2 cell array
    \{1\times163 \text{ double}\}\ \{1\times32 \text{ double}\}\
khoangcach = 1×2 cell array
    {1×163 double}
                        {1×33 double}
khoangcach = 1×2 cell array
    {1×163 double}
                        {1×34 double}
khoangcach = 1×2 cell array
    {1×163 double} {1×35 double}
khoangcach = 1×2 cell array
    {1×163 double}
                        {1×36 double}
khoangcach = 1×2 cell array
```

```
{1×163 double}
                        {1×37 double}
khoangcach = 1×2 cell array
    {1×163 double}
                        {1×38 double}
khoangcach = 1×2 cell array
    {1×163 double}
                        {1×39 double}
khoangcach = 1×2 cell array
    {1×163 double}
                        {1×40 double}
khoangcach = 1×2 cell array
    {1×163 double}
                        {1×41 double}
khoangcach = 1×2 cell array
    {1×163 double}
                        {1×42 double}
khoangcach = 1×2 cell array
    \{1\times163 \text{ double}\}\ \{1\times43 \text{ double}\}\
khoangcach = 1×2 cell array
    {1×163 double}
                        {1×44 double}
khoangcach = 1×2 cell array
    {1×163 double}
                        {1×45 double}
khoangcach = 1×2 cell array
    {1×163 double}
                        {1×46 double}
khoangcach = 1×2 cell array
    {1×163 double}
                       {1×47 double}
khoangcach = 1×2 cell array
    \{1\times163 \text{ double}\}\ \{1\times48 \text{ double}\}\
khoangcach = 1×2 cell array
    {1×163 double}
                        {1×49 double}
khoangcach = 1×2 cell array
    \{1\times163 \text{ double}\}\ \{1\times50 \text{ double}\}\
khoangcach = 1×2 cell array
                        {1×51 double}
    {1×163 double}
khoangcach = 1×2 cell array
    {1×163 double}
                        {1×52 double}
khoangcach = 1×2 cell array
    \{1\times163 \text{ double}\}\ \{1\times53 \text{ double}\}\
khoangcach = 1×2 cell array
    {1×163 double}
                        {1×54 double}
khoangcach = 1×2 cell array
    {1×163 double}
                        {1×55 double}
khoangcach = 1×2 cell array
    \{1\times163 \text{ double}\}\ \{1\times56 \text{ double}\}\
khoangcach = 1×2 cell array
    {1×163 double}
                      {1×57 double}
khoangcach = 1×2 cell array
    {1×163 double}
                        {1×58 double}
khoangcach = 1×2 cell array
    {1×163 double}
                        {1×59 double}
khoangcach = 1×2 cell array
    {1×163 double}
                        {1×60 double}
khoangcach = 1×2 cell array
    \{1\times163 \text{ double}\}\ \{1\times61 \text{ double}\}\
khoangcach = 1×2 cell array
    \{1\times163 \text{ double}\}\ \{1\times62 \text{ double}\}\
```

```
khoangcach = 1×2 cell array
    {1×163 double}
                     {1×63 double}
khoangcach = 1×2 cell array
    {1×163 double}
                     {1×64 double}
khoangcach = 1×2 cell array
    {1×163 double}
                      {1×65 double}
khoangcach = 1×2 cell array
    {1×163 double}
                      {1×66 double}
khoangcach = 1×2 cell array
    {1×163 double}
                      {1×67 double}
khoangcach = 1×2 cell array
                    {1×68 double}
    {1×163 double}
khoangcach = 1×2 cell array
    {1×163 double}
                      {1×69 double}
khoangcach = 1×2 cell array
    \{1\times163 \text{ double}\}\ \{1\times70 \text{ double}\}\
khoangcach = 1×2 cell array
    {1×163 double}
                     {1×71 double}
khoangcach = 1×2 cell array
    {1×163 double}
                      {1×72 double}
khoangcach = 1×2 cell array
    \{1\times163 \text{ double}\}\ \{1\times73 \text{ double}\}\
khoangcach = 1×2 cell array
    {1×163 double}
                     {1×74 double}
khoangcach = 1×2 cell array
    {1×163 double}
                      {1×75 double}
khoangcach = 1×2 cell array
    {1×163 double}
                     {1×76 double}
khoangcach = 1×2 cell array
    {1×163 double}
                     {1×77 double}
khoangcach = 1×2 cell array
    \{1\times163 \text{ double}\}\ \{1\times78 \text{ double}\}\
khoangcach = 1×2 cell array
                      {1×79 double}
    {1×163 double}
khoangcach = 1×2 cell array
    {1×163 double}
                     {1×80 double}
khoangcach = 1×2 cell array
    {1×163 double}
                      {1×81 double}
khoangcach = 1×2 cell array
    {1×163 double}
                      {1×82 double}
khoangcach = 1×2 cell array
    {1×163 double}
                     {1×83 double}
khoangcach = 1×2 cell array
    {1×163 double}
                      {1×84 double}
khoangcach = 1×2 cell array
    {1×163 double}
                      {1×85 double}
khoangcach = 1×2 cell array
    {1×163 double} {1×86 double}
khoangcach = 1×2 cell array
    {1×163 double}
                      {1×87 double}
khoangcach = 1×2 cell array
```

```
{1×163 double}
                       {1×88 double}
khoangcach = 1×2 cell array
    {1×163 double}
                        {1×89 double}
khoangcach = 1×2 cell array
    {1×163 double}
                        {1×90 double}
khoangcach = 1×2 cell array
    {1×163 double}
                       {1×91 double}
khoangcach = 1×2 cell array
    {1×163 double}
                       {1×92 double}
khoangcach = 1×2 cell array
                       {1×93 double}
    {1×163 double}
khoangcach = 1×2 cell array
    \{1\times163 \text{ double}\}\ \{1\times94 \text{ double}\}\
khoangcach = 1×2 cell array
    {1×163 double}
                       {1×95 double}
khoangcach = 1×2 cell array
    {1×163 double}
                       {1×96 double}
khoangcach = 1×2 cell array
    {1×163 double}
                       {1×97 double}
khoangcach = 1×2 cell array
    {1×163 double}
                       {1×98 double}
khoangcach = 1×2 cell array
    \{1\times163 \text{ double}\}\ \{1\times99 \text{ double}\}\
khoangcach = 1×2 cell array
    {1×163 double}
                        {1×100 double}
khoangcach = 1×2 cell array
    {1×163 double}
                       {1×101 double}
khoangcach = 1×2 cell array
    {1×163 double}
                       {1×102 double}
khoangcach = 1×2 cell array
    {1×163 double}
                       {1×103 double}
khoangcach = 1×2 cell array
    \{1\times163 \text{ double}\}\ \{1\times104 \text{ double}\}\
khoangcach = 1×2 cell array
    {1×163 double}
                       {1×105 double}
khoangcach = 1×2 cell array
    {1×163 double}
                       {1×106 double}
khoangcach = 1×2 cell array
    \{1\times163 \text{ double}\}\ \{1\times107 \text{ double}\}\
khoangcach = 1×2 cell array
    {1×163 double}
                       {1×108 double}
khoangcach = 1×2 cell array
    {1×163 double}
                        {1×109 double}
khoangcach = 1×2 cell array
    {1×163 double}
                       {1×110 double}
khoangcach = 1×2 cell array
    {1×163 double}
                       {1×111 double}
khoangcach = 1×2 cell array
    \{1\times163 \text{ double}\}\ \{1\times112 \text{ double}\}\
khoangcach = 1×2 cell array
    \{1\times163 \text{ double}\}\ \{1\times113 \text{ double}\}\
```

```
khoangcach = 1×2 cell array
    {1×163 double}
                      {1×114 double}
khoangcach = 1×2 cell array
    {1×163 double}
                      {1×115 double}
khoangcach = 1×2 cell array
    {1×163 double}
                      {1×116 double}
khoangcach = 1×2 cell array
    {1×163 double}
                      {1×117 double}
khoangcach = 1×2 cell array
    {1×163 double}
                      {1×118 double}
khoangcach = 1×2 cell array
    {1×163 double}
                     {1×119 double}
khoangcach = 1×2 cell array
    {1×163 double}
                      {1×120 double}
khoangcach = 1×2 cell array
    {1×163 double}
                      {1×121 double}
khoangcach = 1×2 cell array
    {1×163 double}
                      {1×122 double}
khoangcach = 1×2 cell array
    {1×163 double}
                      {1×123 double}
khoangcach = 1×2 cell array
    \{1\times163 \text{ double}\}\ \{1\times124 \text{ double}\}\
khoangcach = 1×2 cell array
    {1×163 double}
                     {1×125 double}
khoangcach = 1×2 cell array
    {1×163 double}
                      {1×126 double}
khoangcach = 1×2 cell array
    {1×163 double}
                      {1×127 double}
khoangcach = 1×2 cell array
    {1×163 double}
                      {1×128 double}
khoangcach = 1×2 cell array
    \{1\times163 \text{ double}\}\ \{1\times129 \text{ double}\}\
khoangcach = 1×2 cell array
    {1×163 double}
                      {1×130 double}
khoangcach = 1×2 cell array
    {1×163 double}
                      {1×131 double}
khoangcach = 1×2 cell array
                      {1×132 double}
    {1×163 double}
khoangcach = 1×2 cell array
    {1×163 double}
                      {1×133 double}
khoangcach = 1×2 cell array
    \{1\times163 \text{ double}\}\ \{1\times134 \text{ double}\}\
khoangcach = 1×2 cell array
    {1×163 double}
                      {1×135 double}
khoangcach = 1×2 cell array
    {1×163 double}
                      {1×136 double}
khoangcach = 1×2 cell array
    \{1\times163 \text{ double}\}\ \{1\times137 \text{ double}\}\
khoangcach = 1×2 cell array
    {1×163 double}
                      {1×138 double}
khoangcach = 1×2 cell array
```

```
{1×163 double}
                       {1×139 double}
khoangcach = 1×2 cell array
    {1×163 double}
                        {1×140 double}
khoangcach = 1×2 cell array
    {1×163 double}
                        {1×141 double}
khoangcach = 1×2 cell array
    {1×163 double}
                       {1×142 double}
khoangcach = 1×2 cell array
    {1×163 double}
                       {1×143 double}
khoangcach = 1×2 cell array
    {1×163 double}
                       {1×144 double}
khoangcach = 1×2 cell array
    \{1\times163 \text{ double}\}\ \{1\times145 \text{ double}\}\
khoangcach = 1×2 cell array
    {1×163 double}
                       {1×146 double}
khoangcach = 1×2 cell array
    {1×163 double}
                       {1×147 double}
khoangcach = 1×2 cell array
    {1×163 double}
                       {1×148 double}
khoangcach = 1×2 cell array
    {1×163 double}
                       {1×149 double}
khoangcach = 1×2 cell array
    \{1\times163 \text{ double}\}\ \{1\times150 \text{ double}\}\
khoangcach = 1×2 cell array
    {1×163 double}
                        {1×151 double}
khoangcach = 1×2 cell array
    \{1\times163 \text{ double}\}\ \{1\times152 \text{ double}\}\
khoangcach = 1×2 cell array
    {1×163 double}
                       {1×153 double}
khoangcach = 1×2 cell array
    {1×163 double}
                       {1×154 double}
khoangcach = 1×2 cell array
    \{1\times163 \text{ double}\}\ \{1\times155 \text{ double}\}\
khoangcach = 1×2 cell array
    {1×163 double}
                       {1×156 double}
khoangcach = 1×2 cell array
    {1×163 double}
                       {1×157 double}
khoangcach = 1×2 cell array
    \{1\times163 \text{ double}\}\ \{1\times158 \text{ double}\}\
khoangcach = 1×2 cell array
    {1×163 double}
                      {1×159 double}
khoangcach = 1×2 cell array
                        {1×160 double}
    {1×163 double}
khoangcach = 1×2 cell array
    {1×163 double}
                       {1×161 double}
khoangcach = 1×2 cell array
    {1×163 double}
                       {1×162 double}
khoangcach = 1×2 cell array
    \{1\times163 \text{ double}\}\ \{1\times163 \text{ double}\}\
khoangcach = 1×2 cell array
    {1×163 double}
                      {1×164 double}
```

```
khoangcach = 1×2 cell array
    {1×163 double}
                      {1×165 double}
khoangcach = 1×2 cell array
    {1×163 double}
                      {1×166 double}
khoangcach = 1×2 cell array
    {1×163 double}
                      {1×167 double}
khoangcach = 1×2 cell array
    {1×163 double}
                      {1×168 double}
khoangcach = 1×2 cell array
    {1×163 double}
                      {1×169 double}
khoangcach = 1×2 cell array
    {1×163 double}
                      {1×170 double}
khoangcach = 1×2 cell array
    {1×163 double}
                      {1×171 double}
khoangcach = 1×2 cell array
    {1×163 double}
                      {1×172 double}
khoangcach = 1×2 cell array
    {1×163 double}
                      {1×173 double}
khoangcach = 1×2 cell array
    {1×163 double}
                      {1×174 double}
khoangcach = 1×2 cell array
    \{1\times163 \text{ double}\}\ \{1\times175 \text{ double}\}\
khoangcach = 1×2 cell array
    {1×163 double}
                     {1×176 double}
khoangcach = 1×2 cell array
    {1×163 double}
                      {1×177 double}
khoangcach = 1×2 cell array
    {1×163 double}
                      {1×178 double}
khoangcach = 1×2 cell array
    {1×163 double}
                      {1×179 double}
khoangcach = 1×2 cell array
    \{1\times163 \text{ double}\}\ \{1\times180 \text{ double}\}\
khoangcach = 1×2 cell array
    {1×163 double}
                      {1×181 double}
khoangcach = 1×2 cell array
    {1×163 double}
                      {1×182 double}
khoangcach = 1×2 cell array
                      {1×183 double}
    {1×163 double}
khoangcach = 1×2 cell array
    {1×163 double}
                      {1×184 double}
khoangcach = 1×2 cell array
    {1×163 double}
                      {1×185 double}
khoangcach = 1×2 cell array
    {1×163 double}
                      {1×186 double}
khoangcach = 1×2 cell array
    {1×163 double}
                      {1×187 double}
khoangcach = 1×2 cell array
    \{1\times163 \text{ double}\}\ \{1\times188 \text{ double}\}\
khoangcach = 1×2 cell array
    {1×163 double}
                      {1×189 double}
khoangcach = 1×2 cell array
```

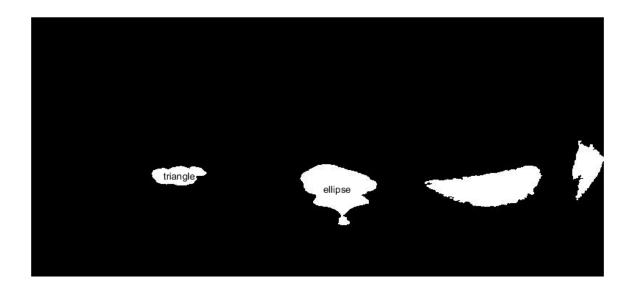
```
{1×163 double}
                        {1×190 double}
khoangcach = 1×2 cell array
    {1×163 double}
                        {1×191 double}
khoangcach = 1×2 cell array
    {1×163 double}
                        {1×192 double}
khoangcach = 1×2 cell array
    {1×163 double}
                       {1×193 double}
khoangcach = 1×2 cell array
    {1×163 double}
                       {1×194 double}
khoangcach = 1×2 cell array
    {1×163 double}
                        {1×195 double}
khoangcach = 1×2 cell array
    \{1\times163 \text{ double}\}\ \{1\times196 \text{ double}\}\
khoangcach = 1×2 cell array
    {1×163 double}
                       {1×197 double}
khoangcach = 1×2 cell array
    {1×163 double}
                        {1×198 double}
khoangcach = 1×2 cell array
    {1×163 double}
                        {1×199 double}
khoangcach = 1×2 cell array
    {1×163 double}
                      {1×200 double}
khoangcach = 1×2 cell array
    \{1\times163 \text{ double}\}\ \{1\times201 \text{ double}\}\
khoangcach = 1×2 cell array
    {1×163 double}
                        {1×202 double}
khoangcach = 1×2 cell array
    \{1\times163 \text{ double}\}\ \{1\times203 \text{ double}\}\
khoangcach = 1×2 cell array
    {1×163 double}
                       {1×204 double}
khoangcach = 1×2 cell array
    {1×163 double}
                        {1×205 double}
khoangcach = 1×2 cell array
    \{1\times163 \text{ double}\}\ \{1\times206 \text{ double}\}\
khoangcach = 1×2 cell array
    {1×163 double}
                       {1×207 double}
khoangcach = 1×2 cell array
    {1×163 double}
                        {1×208 double}
khoangcach = 1×2 cell array
    \{1\times163 \text{ double}\}\ \{1\times209 \text{ double}\}\
khoangcach = 1×2 cell array
    {1×163 double}
                      {1×210 double}
khoangcach = 1×2 cell array
                        {1×211 double}
    {1×163 double}
khoangcach = 1×2 cell array
    {1×163 double}
                        {1×212 double}
khoangcach = 1×2 cell array
    {1×163 double}
                       {1×213 double}
khoangcach = 1×2 cell array
    \{1\times163 \text{ double}\}\ \{1\times214 \text{ double}\}\
khoangcach = 1×2 cell array
    \{1\times163 \text{ double}\}\ \{1\times215 \text{ double}\}\
```

```
khoangcach = 1×2 cell array
    {1×163 double}
                       {1×216 double}
khoangcach = 1×2 cell array
    \{1\times163 \text{ double}\}\ \{1\times217 \text{ double}\}\
khoangcach = 1×2 cell array
    {1×163 double}
                      {1×218 double}
khoangcach = 1×2 cell array
    {1×163 double}
                       {1×219 double}
khoangcach = 1×2 cell array
    {1×163 double}
                      {1×220 double}
khoangcach = 1×2 cell array
    {1×163 double}
                     {1×221 double}
khoangcach = 1×2 cell array
    {1×163 double}
                       {1×222 double}
khoangcach = 1×2 cell array
    {1×163 double}
                      {1×223 double}
khoangcach = 1×2 cell array
    {1×163 double}
                      {1×224 double}
khoangcach = 1×2 cell array
    {1×163 double}
                       {1×225 double}
khoangcach = 1×2 cell array
    \{1\times163 \text{ double}\}\ \{1\times226 \text{ double}\}\
khoangcach = 1×2 cell array
    {1×163 double}
                     {1×227 double}
khoangcach = 1×2 cell array
    {1×163 double}
                       {1×228 double}
khoangcach = 1×2 cell array
    {1×163 double}
                      {1×229 double}
khoangcach = 1×2 cell array
    {1×163 double}
                      {1×230 double}
khoangcach = 1×2 cell array
    \{1\times163 \text{ double}\}\ \{1\times231 \text{ double}\}\
khoangcach = 1×2 cell array
    {1×163 double}
                       {1×232 double}
khoangcach = 1×2 cell array
    {1×163 double}
                      {1×233 double}
khoangcach = 1×2 cell array
                      {1×234 double}
    {1×163 double}
khoangcach = 1×2 cell array
    {1×163 double}
                       {1×235 double}
khoangcach = 1×2 cell array
    \{1\times163 \text{ double}\}\ \{1\times236 \text{ double}\}\
khoangcach = 1×2 cell array
    {1×163 double}
                       {1×237 double}
khoangcach = 1×2 cell array
    {1×163 double}
                       {1×238 double}
khoangcach = 1×2 cell array
    \{1\times163 \text{ double}\}\ \{1\times239 \text{ double}\}\
khoangcach = 1×2 cell array
    {1×163 double}
                       {1×240 double}
khoangcach = 1×2 cell array
```

```
{1×163 double}
                        {1×241 double}
khoangcach = 1×2 cell array
    {1×163 double}
                        {1×242 double}
khoangcach = 1×2 cell array
    {1×163 double}
                        {1×243 double}
khoangcach = 1×2 cell array
    {1×163 double}
                        {1×244 double}
khoangcach = 1×2 cell array
    {1×163 double}
                        {1×245 double}
khoangcach = 1×2 cell array
    {1×163 double}
                        {1×246 double}
khoangcach = 1×2 cell array
    \{1\times163 \text{ double}\}\ \{1\times247 \text{ double}\}\
khoangcach = 1×2 cell array
    {1×163 double}
                       {1×248 double}
khoangcach = 1×2 cell array
    {1×163 double}
                        {1×249 double}
khoangcach = 1×2 cell array
    {1×163 double}
                        {1×250 double}
khoangcach = 1×2 cell array
    {1×163 double}
                       {1×251 double}
khoangcach = 1×2 cell array
    \{1\times163 \text{ double}\}\ \{1\times252 \text{ double}\}\
khoangcach = 1×2 cell array
    {1×163 double}
                        {1×253 double}
khoangcach = 1×2 cell array
    \{1\times163 \text{ double}\}\ \{1\times254 \text{ double}\}\
khoangcach = 1×2 cell array
    {1×163 double}
                        {1×255 double}
khoangcach = 1×2 cell array
    {1×163 double}
                        {1×256 double}
khoangcach = 1×2 cell array
    \{1\times163 \text{ double}\}\ \{1\times257 \text{ double}\}\
khoangcach = 1×2 cell array
    {1×163 double}
                        {1×258 double}
khoangcach = 1×2 cell array
    {1×163 double}
                        {1×259 double}
khoangcach = 1×2 cell array
    \{1\times163 \text{ double}\}\ \{1\times260 \text{ double}\}\
khoangcach = 1×2 cell array
    {1×163 double}
                      {1×261 double}
khoangcach = 1×2 cell array
                        {1×262 double}
    {1×163 double}
khoangcach = 1×2 cell array
    {1×163 double}
                        {1×263 double}
khoangcach = 1×2 cell array
    {1×163 double}
                        {1×264 double}
khoangcach = 1×2 cell array
    \{1\times163 \text{ double}\}\ \{1\times265 \text{ double}\}\
khoangcach = 1×2 cell array
    \{1\times163 \text{ double}\}\ \{1\times266 \text{ double}\}\
```

```
khoangcach = 1×2 cell array
    {1×163 double}
                     {1×267 double}
khoangcach = 1×2 cell array
    {1×163 double}
                     {1×268 double}
khoangcach = 1×2 cell array
    {1×163 double}
                     {1×269 double}
khoangcach = 1×2 cell array
    {1×163 double}
                     {1×270 double}
khoangcach = 1×2 cell array
    {1×163 double}
                     {1×271 double}
khoangcach = 1×2 cell array
    {1×163 double}
                    {1×272 double}
khoangcach = 1×2 cell array
    {1×163 double}
                     {1×273 double}
khoangcach = 1×2 cell array
    {1×163 double}
                     {1×274 double}
khoangcach = 1×2 cell array
    {1×163 double}
                     {1×275 double}
khoangcach = 1×2 cell array
    {1×163 double}
                      {1×276 double}
khoangcach = 1×2 cell array
    \{1\times163 \text{ double}\}\ \{1\times277 \text{ double}\}\
khoangcach = 1×2 cell array
    {1×163 double}
                    {1×278 double}
khoangcach = 1×2 cell array
    {1×163 double}
                     {1×279 double}
khoangcach = 1×2 cell array
    {1×163 double}
                     {1×280 double}
khoangcach = 1×2 cell array
    {1×163 double}
                     {1×281 double}
khoangcach = 1×2 cell array
    {1×163 double}
                     {1×282 double}
khoangcach = 1×2 cell array
    {1×163 double}
                     {1×283 double}
khoangcach = 1×2 cell array
    {1×163 double}
                     {1×284 double}
khoangcach = 1×2 cell array
                     {1×285 double}
    {1×163 double}
khoangcach = 1×2 cell array
    {1×163 double}
                     {1×286 double}
khoangcach = 1×2 cell array
    {1×163 double}
                     {1×287 double}
khoangcach = 1×2 cell array
    {1×163 double}
                     {1×288 double}
khoangcach = 1×2 cell array
    {1×163 double}
                     {1×289 double}
khoangcach = 1×2 cell array
    \{1\times163 \text{ double}\}\ \{1\times290 \text{ double}\}\
khoangcach = 1×2 cell array
    {1×163 double}
                      {1×291 double}
khoangcach = 1×2 cell array
```

```
{1×163 double}
                      {1×292 double}
khoangcach = 1×2 cell array
    {1×163 double}
                       {1×293 double}
khoangcach = 1×2 cell array
    {1×163 double}
                       {1×294 double}
khoangcach = 1×2 cell array
    {1×163 double}
                       {1×295 double}
khoangcach = 1×2 cell array
    {1×163 double}
                       {1×296 double}
khoangcach = 1×2 cell array
    {1×163 double}
                       {1×297 double}
khoangcach = 1×2 cell array
    \{1\times163 \text{ double}\}\ \{1\times298 \text{ double}\}\
vuong =
   1.572294740599562
thoi =
   1.399266209023989
```



```
dim = 1 \times 2
          2
  344
khoangcach = 1×3 cell array
   {1×163 double}
                     {1×298 double} {[89.854982610063004]}
khoangcach = 1×3 cell array
   {1×163 double}
                                       {1×2 double}
                     {1×298 double}
khoangcach = 1×3 cell array
   {1×163 double}
                     {1×298 double}
                                       {1×3 double}
khoangcach = 1×3 cell array
   {1×163 double}
                     {1×298 double}
                                       {1×4 double}
khoangcach = 1×3 cell array
                                       {1×5 double}
   {1×163 double}
                     {1×298 double}
khoangcach = 1×3 cell array
   {1×163 double}
                     {1×298 double}
                                       {1×6 double}
khoangcach = 1×3 cell array
   {1×163 double}
                     {1×298 double}
                                       {1×7 double}
```

khoangcach	= 1×3 cell	array		
{1×163	double}	{1×298	double}	{1×8 double}
khoangcach	= 1×3 cell	array		
{1×163	double}	{1×298	double}	{1×9 double}
khoangcach	= 1×3 cell	array		
{1×163	double}	{1×298	double}	{1×10 double}
khoangcach	= 1×3 cell	array		
{1×163	double}	{1×298	double}	{1×11 double}
khoangcach	= 1×3 cell	array		
{1×163	double}	{1×298	double}	{1×12 double}
khoangcach	= 1×3 cell	array		
{1×163	double}	{1×298	double}	{1×13 double}
khoangcach	= 1×3 cell	array		
{1×163	double}	{1×298	double}	{1×14 double}
khoangcach	= 1×3 cell	array		
{1×163	double}	{1×298	double}	{1×15 double}
khoangcach	= 1×3 cell	array		
{1×163	double}	{1×298	double}	{1×16 double}
khoangcach	= 1×3 cell	array		
{1×163	double}	{1×298	double}	{1×17 double}
khoangcach	= 1×3 cell	array		
{1×163	double}	{1×298	double}	{1×18 double}
khoangcach	= 1×3 cell	array		
{1×163	double}	{1×298	double}	{1×19 double}
khoangcach	= 1×3 cell	array		
{1×163	double}	{1×298	double}	{1×20 double}
khoangcach	= 1×3 cell	array		
{1×163	double}	{1×298	double}	{1×21 double}
khoangcach	<b>=</b> 1×3 cell	array		
{1×163	double}	{1×298	double}	{1×22 double}
khoangcach	= 1×3 cell	array		
{1×163	double}	{1×298	double}	{1×23 double}
khoangcach	= 1×3 cell	array		
{1×163	double}	{1×298	double}	{1×24 double}
khoangcach	= 1×3 cell	array		
{1×163	double}	{1×298	double}	{1×25 double}
khoangcach	= 1×3 cell	array		
			double}	{1×26 double}
	= 1×3 cell			
-	=	-	double}	{1×27 double}
	= 1×3 cell			
	double}		double}	{1×28 double}
	= 1×3 cell			
			double}	{1×29 double}
_	= 1×3 cell			
			double}	{1×30 double}
	= 1×3 cell			
-	-	-	double}	{1×31 double}
	= 1×3 cell			
			double}	{1×32 double}
khoangcach	= 1×3 cell	array		

{1×163	double}	{1×298	double}	{1×33	double}
=	= 1×3 cell	-	,		
_	double}	_	double}	{1×34	double}
	= 1×3 cell	•			,
_	double}	_	double}	{1×35	double}
	= 1×3 cell		,		
	double}		double}	{1×36	double}
	= 1×3 cell				
•	double}	_	double}	{1×37	double}
=	= 1×3 cell		,		,
_	double}	_	double}	{1×38	double}
	= 1×3 cell				
_	double}	_	double}	{1×39	double}
=	= 1×3 cell	-	-	•	
_	double}	_	double}	{1×40	double}
=	= 1×3 cell		-	•	
	double}		double}	{1×41	double}
	= 1×3 cell				
{1×163	double}	{1×298	double}	{1×42	double}
khoangcach	= 1×3 cell				
{1×163	double}	{1×298	double}	{1×43	double}
khoangcach	= 1×3 cell	array			
{1×163	double}	{1×298	double}	{1×44	double}
khoangcach	= 1×3 cell	array			
{1×163	double}	{1×298	double}	{1×45	double}
khoangcach	= 1×3 cell	array			
{1×163	double}	{1×298	double}	{1×46	double}
khoangcach	= 1×3 cell	array			
{1×163	double}	{1×298	double}	{1×47	${\tt double}\}$
khoangcach	<b>=</b> 1×3 cell	array			
{1×163	double}	{1×298	double}	{1×48	$\verb double  $
khoangcach	= 1×3 cell	array			
{1×163	double}	{1×298	double}	{1×49	$\verb double  $
khoangcach	= 1×3 cell	array			
{1×163	double}	{1×298	double}	{1×50	$\verb double  $
khoangcach	= 1×3 cell	array			
	double}		double}	{1×51	double}
_	= 1×3 cell	_			
	double}		double}	{1×52	double}
_	= 1×3 cell				
	double}		double}	{1×53	double}
_	= 1×3 cell	_			
=	double}	-	double}	{1×54	double}
_	= 1×3 cell	_			
	double}		double}	{1×55	double}
	= 1×3 cell			_	
	double}		double}	{1×56	double}
	= 1×3 cell			_	
	double}		double}	{1×57	double}
_	= 1×3 cell				
{1×163	double}	{1×298	double}	{1×58	double}

_	= 1×3 cell	-			
-	double}	-	double}	{1×59	double}
_	= 1×3 cell	-			
	double}		double}	{1×60	double}
•	= 1×3 cell				
	double}		double}	{1×61	double}
khoangcach	= 1×3 cell	array			
{1×163	double}	{1×298	double}	{1×62	double}
khoangcach	= 1×3 cell	array			
{1×163	double}	{1×298	double}	{1×63	double}
khoangcach	= 1×3 cell	array			
{1×163	double}	{1×298	double}	{1×64	double}
khoangcach	<b>=</b> 1×3 cell	array			
{1×163	double}	{1×298	double}	{1×65	double}
khoangcach	= 1×3 cell	array			
{1×163	double}	{1×298	double}	{1×66	double}
khoangcach	= 1×3 cell	array			
{1×163	double}	{1×298	double}	{1×67	double}
khoangcach	= 1×3 cell	array			
{1×163	double}	{1×298	double}	{1×68	double}
khoangcach	= 1×3 cell	array			
{1×163	double}	{1×298	double}	{1×69	double}
khoangcach	= 1×3 cell	array			
{1×163	double}	{1×298	double}	{1×70	double}
	= 1×3 cell	array		-	
	double}		double}	{1×71	double}
	= 1×3 cell		-		
	double}		double}	{1×72	double}
	= 1×3 cell		•	`	•
	double}		double}	{1×73	double}
	= 1×3 cell		,	·	,
	double}		double}	{1×74	double}
-	= 1×3 cell	-			,
	double}		double}	{1×75	double}
	= 1×3 cell			(=/-5	
	double}		double}	{1×76	double}
-	= 1×3 cell	-	404010	(1,0	dodolej
•	double}		double}	{1×77	double}
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	= 1×3 cell		dodbicj	(1//0	dodbicj
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	= 1×3 cell		double	(1^/)	double
			double)	£1,00	doublol
	<pre>double} = 1×3 cell</pre>		acapte}	1 T X OR	aoabte}
_	double}	-	doublal	∫1∪01	doubles
			acapte}	ſTXOT	aoabte}
	= 1×3 cell		double)	(102	double?
-	double}	-	nonpre}	{1x82	nonpre}
_	= 1×3 cell	-	٦ - ٦ ماريم ام	(403	د - 1 -الدراء
-	double}	-	nonpre}	{1×83	qonpre}
кпоangcach	= 1×3 cell	array			

{1×163	double}	{1×298	double}	{1×84 double}
khoangcach	= 1×3 cell	array		
{1×163	double}	{1×298	double}	{1×85 double}
khoangcach	= 1×3 cell	array		
{1×163	double}	{1×298	double}	{1×86 double}
khoangcach	= 1×3 cell	array		
{1×163	double}	{1×298	double}	{1×87 double}
khoangcach	= 1×3 cell	array		
{1×163	double}	{1×298	double}	{1×88 double}
khoangcach	= 1×3 cell	array		
{1×163	double}	{1×298	double}	{1×89 double}
khoangcach	= 1×3 cell	array		
{1×163	double}	{1×298	double}	{1×90 double}
khoangcach	= 1×3 cell	array		
{1×163	double}	{1×298	double}	{1×91 double}
khoangcach	= 1×3 cell	array		
{1×163	double}	{1×298	double}	{1×92 double}
khoangcach	= 1×3 cell	array		
{1×163	double}	{1×298	double}	{1×93 double}
khoangcach	= 1×3 cell	array		
{1×163	double}	{1×298	double}	{1×94 double}
khoangcach	<b>=</b> 1×3 cell	array		
{1×163	double}	{1×298	double}	{1×95 double}
khoangcach	= 1×3 cell	array		
	double}		double}	{1×96 double}
	= 1×3 cell			
	double}		double}	{1×97 double}
_	= 1×3 cell	-		
	double}		double}	{1×98 double}
_	= 1×3 cell	_		
	double}		double}	{1×99 double}
	= 1×3 cell			(4 400   17 3
	double}		double}	{1×100 double}
_	= 1×3 cell	_		(4 404   17 3
	double}		double}	{1×101 double}
	= 1×3 cell		ا ما الطبيعاء	(1102 double)
	<pre>double} = 1×3 cell</pre>		donp.re}	{1×102 double}
•			doublol	{1×103 double}
	= 1×3 cell		doubte}	(1×103 double)
_	double}	-	double}	{1×104 double}
	= 1×3 cell		doubicj	(INIO+ GOGDIC)
			double}	{1×105 double}
	= 1×3 cell			(,
_		_	double}	{1×106 double}
	= 1×3 cell		,	<b>,</b>
			double}	{1×107 double}
	= 1×3 cell		•	-
			double}	{1×108 double}
	= 1×3 cell		-	•
_		-	double}	{1×109 double}

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	= 1×3 cell		4	(1.110	4
	double}		double}	{1×110	donpre}
_	= 1×3 cell		4	(1.111	4
	double}		double}	{1×111	double}
	= 1×3 cell		4	(4, 442	4
	double}		aonpre}	{1×112	double}
	= 1×3 cell				
	double}		double}	{1×113	double}
_	= 1×3 cell				
	double}		double}	{1×114	double}
	= 1×3 cell				
	double}		double}	{1×115	double}
	= 1×3 cell				
-	double}	-	double}	{1×116	double}
_	= 1×3 cell	-			
	double}		double}	{1×117	double}
	= 1×3 cell				
	double}		double}	{1×118	double}
khoangcach	= 1×3 cell	array			
	double}		double}	{1×119	double}
	= 1×3 cell				
{1×163	double}	{1×298	double}	{1×120	double}
khoangcach	= 1×3 cell	array			
{1×163	double}	{1×298	double}	{1×121	double}
khoangcach	= 1×3 cell	array			
{1×163	double}	{1×298	double}	{1×122	double}
khoangcach	= 1×3 cell	array			
{1×163	double}	{1×298	double}	{1×123	double}
khoangcach	= 1×3 cell	array			
{1×163	double}	{1×298	double}	{1×124	double}
khoangcach	= 1×3 cell	array			
{1×163	double}	{1×298	double}	{1×125	double}
khoangcach	= 1×3 cell	array			
{1×163	double}	{1×298	double}	{1×126	double}
khoangcach	= 1×3 cell	array			
{1×163	double}	{1×298	double}	{1×127	double}
khoangcach	= 1×3 cell	array			
{1×163	double}	{1×298	double}	{1×128	double}
khoangcach	= 1×3 cell	array			
{1×163	double}	{1×298	double}	{1×129	double}
	= 1×3 cell		•		_
	double}		double}	{1×130	double}
	= 1×3 cell		•		,
_	double}		double}	{1×131	double}
	= 1×3 cell		•		,
_	double}	-	double}	{1×132	double}
	= 1×3 cell		,	•	,
	double}		double}	{1×133	double}
	= 1×3 cell				,
_	double}	-	double}	{1×134	double:
-	= 1×3 cell	-		(======================================	
beacii		u y			

	double}		double}	{1×135	double}
_	= 1×3 cell	-			
	double}		double}	{1×136	double}
	= 1×3 cell				
	double}		double}	{1×137	double}
	= 1×3 cell				
	double}		double}	{1×138	double}
_	= 1×3 cell	_			
	double}		double}	{1×139	double}
_	= 1×3 cell	_			
	double}		double}	{1×140	double}
	= 1×3 cell				
-	double}	-	double}	{1×141	double}
khoangcach	= 1×3 cell	array			
	double}		double}	{1×142	double}
khoangcach	= 1×3 cell	array			
	double}		double}	{1×143	double}
khoangcach	= 1×3 cell	array			
{1×163	double}	{1×298	double}	{1×144	<pre>double}</pre>
khoangcach	= 1×3 cell	array			
{1×163	double}	{1×298	double}	{1×145	<pre>double}</pre>
khoangcach	= 1×3 cell	array			
{1×163	double}	{1×298	double}	{1×146	$\verb"double"\}$
khoangcach	= 1×3 cell	array			
{1×163	double}	{1×298	double}	{1×147	double}
khoangcach	= 1×3 cell	array			
{1×163	double}	{1×298	double}	{1×148	double}
khoangcach	= 1×3 cell	array			
{1×163	double}	{1×298	double}	{1×149	double}
khoangcach	= 1×3 cell	array			
{1×163	double}	{1×298	double}	{1×150	double}
khoangcach	= 1×3 cell	array			
{1×163	double}	{1×298	double}	{1×151	double}
khoangcach	= 1×3 cell	array			
{1×163	double}	{1×298	double}	{1×152	double}
khoangcach	= 1×3 cell	array			
{1×163	double}	{1×298	double}	{1×153	double}
khoangcach	= 1×3 cell	array			
{1×163	double}	{1×298	double}	{1×154	double}
khoangcach	= 1×3 cell	array			
{1×163	double}	{1×298	double}	{1×155	double}
	= 1×3 cell				
	double}		double}	{1×156	double}
	= 1×3 cell			•	-
_	double}	_	double}	{1×157	double}
	= 1×3 cell		,	-	,
	double}		double}	{1×158	double}
	= 1×3 cell		,	-	,
	double}		double}	{1×159	double}
	= 1×3 cell		-,		3
_	double}	_	double}	{1×160	double}
( ====	· - J		· - <b>J</b>		

	4 0 77				
•	= 1×3 cell				
	double}		double}	{1×161	double}
	= 1×3 cell				
-	double}	-	double}	{1×162	double}
•	= 1×3 cell				
	double}		double}	{1×163	double}
_	= 1×3 cell	-			
	double}		double}	{1×164	double}
•	= 1×3 cell				
	double}		double}	{1×165	double}
	= 1×3 cell				
	double}		double}	{1×166	double}
_	= 1×3 cell	-			
	double}		double}	{1×167	double}
_	= 1×3 cell				
{1×163	double}	{1×298	double}	{1×168	double}
_	= 1×3 cell	_			
{1×163	double}	{1×298	double}	{1×169	double}
khoangcach	= 1×3 cell	array			
	double}		double}	{1×170	double}
khoangcach	= 1×3 cell	array			
{1×163	double}	{1×298	double}	{1×171	double}
khoangcach	= 1×3 cell	array			
{1×163	double}	{1×298	double}	{1×172	double}
khoangcach	= 1×3 cell	array			
{1×163	double}	{1×298	double}	{1×173	double}
khoangcach	= 1×3 cell	array			
{1×163	double}	{1×298	double}	{1×174	double}
khoangcach	= 1×3 cell	array			
{1×163	double}	{1×298	double}	{1×175	double}
khoangcach	= 1×3 cell	array			
{1×163	double}	{1×298	double}	{1×176	double}
khoangcach	= 1×3 cell	array			
{1×163	double}	{1×298	double}	{1×177	double}
khoangcach	= 1×3 cell	array			
{1×163	double}	{1×298	double}	{1×178	double}
khoangcach	= 1×3 cell	array			
{1×163	double}	{1×298	double}	{1×179	double}
khoangcach	= 1×3 cell	array			
{1×163	double}	{1×298	double}	{1×180	double}
khoangcach	= 1×3 cell	array			
{1×163	double}	{1×298	double}	{1×181	double}
	= 1×3 cell				
_	double}	-	double}	{1×182	double}
-	= 1×3 cell	-	,	-	,
_	double}		double}	{1×183	double}
	= 1×3 cell			-	,
_	double}	_	double}	{1×184	double}
	= 1×3 cell		,		- ,
_	double}	-	double}	{1×185	double}
-	= 1×3 cell	-	,		,

{1×163	double}	{1×298	double}	{1×186	double}
khoangcach	= 1×3 cell	array			
{1×163	double}	{1×298	double}	{1×187	double}
khoangcach	= 1×3 cell	array			
{1×163	double}	{1×298	double}	{1×188	double}
khoangcach	= 1×3 cell	array			
{1×163	double}	{1×298	double}	{1×189	double}
khoangcach	= 1×3 cell	array			
{1×163	double}	{1×298	double}	{1×190	double}
khoangcach	= 1×3 cell	array			
{1×163	double}	{1×298	double}	{1×191	double}
khoangcach	= 1×3 cell	array			
{1×163	double}	{1×298	double}	{1×192	double}
khoangcach	= 1×3 cell	array			
{1×163	double}	{1×298	double}	{1×193	double}
khoangcach	= 1×3 cell	array			
{1×163	double}	{1×298	double}	{1×194	$\verb double  $
khoangcach	= 1×3 cell	array			
{1×163	double}	{1×298	double}	{1×195	$\verb double  $
khoangcach	= 1×3 cell	array			
{1×163	double}	{1×298	double}	{1×196	double}
khoangcach	= 1×3 cell	array			
{1×163	double}	{1×298	double}	{1×197	${\tt double}\}$
khoangcach	<b>=</b> 1×3 cell	array			
{1×163	double}	{1×298	double}	{1×198	double}
khoangcach	= 1×3 cell	array			
	double}		double}	{1×199	double}
	= 1×3 cell				
	double}		double}	{1×200	double}
•	= 1×3 cell				
	double}		double}	{1×201	double}
	= 1×3 cell				
=	double}	-	double}	{1×202	double}
	= 1×3 cell				
	double}		double}	{1×203	double}
	= 1×3 cell				
•	double}	•	double}	{1×204	double}
_	= 1×3 cell	-			
	double}		double}	{1×205	double}
_	= 1×3 cell	-			
	double}		double}	{1×206	double}
	= 1×3 cell			(4 207	
	double}		double}	{1×20/	double}
	= 1×3 cell			(4 200	
	double}		donp1e}	{1×208	gonpre}
	= 1×3 cell		doublel	(1200	double?
	double}		nonpre}	(1×209	nonpre}
	= 1×3 cell		doublel	(1,210	doubles
	double}		nonpre}	(1×210	nonpte}
_	= 1×3 cell double}	_	doubles	<b>∫1</b> ∨211	doublal
/T×103	anante}	[12230	and te}	(TXZII	aoante}

•	= 1×3 cell				
=	double}	-	double}	{1×212	double}
_	= 1×3 cell	_			
	double}		double}	{1×213	double}
_	= 1×3 cell				
	double}		double}	{1×214	double}
	= 1×3 cell				
=	double}	-	double}	{1×215	double}
_	= 1×3 cell				
=	double}	-	double}	{1×216	double}
	= 1×3 cell				
	double}		double}	{1×217	double}
	= 1×3 cell				
-	double}	-	double}	{1×218	double}
•	= 1×3 cell				
	double}		double}	{1×219	double}
	= 1×3 cell				
	double}		double}	{1×220	double}
	= 1×3 cell				
=	double}	-	double}	{1×221	double}
	= 1×3 cell				
-	double}	-	double}	{1×222	double}
	= 1×3 cell				
	double}		double}	{1×223	double}
_	= 1×3 cell				
	double}		double}	{1×224	double}
	= 1×3 cell				
=	double}	-	double}	{1×225	double}
	= 1×3 cell				
=	double}	-	double}	{1×226	double}
khoangcach	= 1×3 cell	array			
	double}		double}	{1×227	double}
	= 1×3 cell				
=	double}	-	double}	{1×228	double}
_	= 1×3 cell	-			
	double}		double}	{1×229	double}
	= 1×3 cell				
-	double}	-	double}	{1×230	double}
•	= 1×3 cell				
-	double}	-	double}	{1×231	double}
	= 1×3 cell				
-	double}	-	double}	{1×232	double}
	= 1×3 cell				
	double}		double}	{1×233	double}
_	= 1×3 cell				
	double}		double}	{1×234	double}
	= 1×3 cell				
=	double}	-	double}	{1×235	double}
_	= 1×3 cell				
-	double}	-	double}	{1×236	double}
khoangcach	= 1×3 cell	array			

{1×163	double}	{1×298	double}	{1×237	double}
khoangcach	= 1×3 cell	array			
{1×163	double}	{1×298	double}	{1×238	double}
khoangcach	= 1×3 cell	array			
{1×163	double}	{1×298	double}	{1×239	double}
khoangcach	= 1×3 cell	array			
{1×163	double}	{1×298	double}	{1×240	double}
khoangcach	= 1×3 cell	array			
{1×163	double}	{1×298	double}	{1×241	double}
khoangcach	= 1×3 cell	array			
{1×163	double}	{1×298	double}	{1×242	double}
khoangcach	= 1×3 cell	array			
{1×163	double}	{1×298	double}	{1×243	double}
khoangcach	= 1×3 cell	array			
{1×163	double}	{1×298	double}	{1×244	double}
khoangcach	= 1×3 cell	array			
{1×163	double}	{1×298	double}	{1×245	double}
khoangcach	= 1×3 cell	array			
{1×163	double}	{1×298	double}	{1×246	double}
khoangcach	= 1×3 cell	array			
{1×163	double}	{1×298	double}	{1×247	double}
khoangcach	= 1×3 cell	array			
{1×163	double}	{1×298	double}	{1×248	double}
khoangcach	= 1×3 cell	array			
{1×163	double}	{1×298	double}	{1×249	double}
khoangcach	= 1×3 cell	array			
{1×163	double}	{1×298	double}	{1×250	double}
khoangcach	= 1×3 cell	array			
{1×163	double}	{1×298	double}	{1×251	double}
khoangcach	= 1×3 cell	array			
{1×163	double}	{1×298	double}	{1×252	double}
_	= 1×3 cell	_			
{1×163	double}	{1×298	double}	{1×253	double}
khoangcach	= 1×3 cell	array			
{1×163	double}	{1×298	double}	{1×254	double}
khoangcach	= 1×3 cell	array			
{1×163	double}	{1×298	double}	{1×255	double}
_	= 1×3 cell	-			
=	double}	-	double}	{1×256	double}
_	= 1×3 cell	-			
	double}		double}	{1×257	double}
	= 1×3 cell				
=	double}	-	double}	{1×258	double}
_	= 1×3 cell	-			
=	double}	-	double}	{1×259	double}
	= 1×3 cell				
=	double}	-	double}	{1×260	double}
	= 1×3 cell				
	double}		double}	{1×261	double}
_	= 1×3 cell	-			
{1×163	double}	{1×298	double}	{1×262	double}

•	= 1×3 cell				
=	double}	-	double}	{1×263	double}
_	= 1×3 cell	_			
	double}		double}	{1×264	double}
•	= 1×3 cell				
	double}		double}	{1×265	double}
	= 1×3 cell				
=	double}	-	double}	{1×266	double}
_	= 1×3 cell				
=	double}	-	double}	{1×267	double}
	= 1×3 cell				
=	double}	-	double}	{1×268	double}
	= 1×3 cell				
=	double}	-	double}	{1×269	double}
_	= 1×3 cell	-			
=	double}	-	double}	{1×270	double}
_	= 1×3 cell	_			
	double}		double}	{1×271	double}
_	= 1×3 cell				
=	double}	-	double}	{1×272	double}
	= 1×3 cell				
=	double}	-	double}	{1×273	double}
_	= 1×3 cell	_			
	double}		double}	{1×274	double}
_	= 1×3 cell				
	double}		double}	{1×275	double}
	= 1×3 cell				
	double}		double}	{1×276	double}
	= 1×3 cell				
=	double}	-	double}	{1×277	double}
	= 1×3 cell				
	double}		double}	{1×278	double}
	= 1×3 cell				
=	double}	-	double}	{1×279	double}
•	= 1×3 cell				
	double}		double}	{1×280	double}
	= 1×3 cell				
=	double}	-	double}	{1×281	double}
_	= 1×3 cell			<b>64</b> 000	
=	double}	-	gonp_e}	{1×282	double}
	= 1×3 cell			(4 202	
=	double}	-	gonp_e}	{1×283	double}
	= 1×3 cell		41-2	(1, 204	4
	double}		donpTe}	{1×284	double}
_	= 1×3 cell	-	۱- ۲ ماریم ام	(1,,205	daula I a I
	double}		nonpre}	{1×285	double}
	= 1×3 cell		double?	(1200	double?
=	double}	-	donpTe}	{1×286	nonbie}
_	= 1×3 cell		۱- ۲ ماریم ام	(1207	daula I a I
=	double}	-	nonpre}	(1×28/	nonpre}
кпоапдсасh	= 1×3 cell	array			

(1162	ا ما الماريم الم	(1200	( م 1 مار، م ام	(1200	daubla)
=	<pre>double} = 1×3 cell</pre>	-	double}	{1×200	double}
_	double}	-	doublal	∫1√2 <b>9</b> 0	double)
	= 1×3 cell		double	[17203	double
•	double}		doublel	\$1×290	double}
=	= 1×3 cell	-	doublej	(1/250	doublej
	double}		double}	{1×291	double}
	= 1×3 cell		404010)	(1232	404010)
	double}		double}	{1×292	double}
=	= 1×3 cell	-		(=====	
_	double}	-	double}	{1×293	double}
	= 1×3 cell				
_	double}	-	double}	{1×294	double}
	= 1×3 cell				
_	double}	-	double}	{1×295	double}
=	= 1×3 cell	-	•	`	•
	double}		double}	{1×296	double}
=	= 1×3 cell	-	•		•
{1×163	double}	{1×298	double}	{1×297	double}
khoangcach	= 1×3 cell	array			
{1×163	double}	{1×298	double}	{1×298	double}
khoangcach	= 1×3 cell	array			
{1×163	double}	{1×298	double}	{1×299	double}
khoangcach	= 1×3 cell	array			
{1×163	double}	{1×298	double}	{1×300	double}
khoangcach	= 1×3 cell	array			
{1×163	double}	{1×298	double}	{1×301	double}
khoangcach	= 1×3 cell	array			
{1×163	double}	{1×298	double}	{1×302	double}
khoangcach	<b>=</b> 1×3 cell	array			
{1×163	double}	{1×298	double}	{1×303	double}
khoangcach	= 1×3 cell	array			
{1×163	double}	{1×298	double}	{1×304	double}
khoangcach	= 1×3 cell	array			
	double}		double}	{1×305	double}
	= 1×3 cell				
	double}		double}	{1×306	double}
_	= 1×3 cell	-			
	double}		double}	{1×307	double}
_	= 1×3 cell	_			
	double}		double}	{1×308	double}
	= 1×3 cell				
	double}		double}	{1×309	double}
_	= 1×3 cell	-			
	double}		double}	{1×310	double}
	= 1×3 cell			64 24-	
	double}		aonp_re}	{1×311	aoub1e}
	= 1×3 cell		4	(4 315	4
	double}		aonp1e}	{1×312	aonpre}
_	= 1×3 cell	_	doubles	(1212	double)
(1×103	double}	11x728	nonnie}	[1×313	nonnie}

•	= 1×3 cell				
=	double}	-	double}	{1×314	double}
_	= 1×3 cell	_			
	double}		double}	{1×315	double}
_	= 1×3 cell	-			
	double}	-	double}	{1×316	double}
	= 1×3 cell				
•	_	-	double}	{1×317	double}
_	= 1×3 cell				
=	double}	-	double}	{1×318	double}
	= 1×3 cell				
	double}		double}	{1×319	double}
	= 1×3 cell				
	double}		double}	{1×320	double}
_	= 1×3 cell	-			
=	double}	-	double}	{1×321	double}
	= 1×3 cell				
	double}		double}	{1×322	double}
_	= 1×3 cell				
=	double}	-	double}	{1×323	double}
	= 1×3 cell				
=	_	-	double}	{1×324	double}
_	= 1×3 cell	_			
	double}		double}	{1×325	double}
_	= 1×3 cell	-		(4 226	
	double}	-	double}	{1×326	double}
	= 1×3 cell		المالمان مام	(1227	المالمانية الم
	double}		double}	{1×32/	double}
_	= 1×3 cell	_	doublol	(1220	doublol
=	<pre>double} = 1×3 cell</pre>	-	double}	{1×328	double}
	double}		doublol	[1,220	doublal
	= 1×3 cell		doubtel	\1×329	dodpie,
	double}		doubles	∫1~22A	doublal
=	= 1×3 cell	-	dodpie	11×330	dodbie
_	double}	_	double}	{1×331	double}
	= 1×3 cell		dodbicj	1007	dodbicj
	double}		double}	{1×332	double}
•	= 1×3 cell	•	dodolej	(111332	dodolej
_	double}	-	double}	{1x333	double}
	= 1×3 cell			(======================================	
	double}		double}	{1×334	double}
	= 1×3 cell			(= 00 )	
	double}		double}	{1×335	double}
	= 1×3 cell		,	( - 355	
_	double}	_	double}	{1×336	double}
	= 1×3 cell		,		,
	double}		double}	{1×337	double}
	= 1×3 cell		,		,
_	double}	-	double}	{1×338	double}
	= 1×3 cell		•	-	•
_		-			

```
{1×163 double}
                     {1×298 double}
                                       {1×339 double}
khoangcach = 1×3 cell array
   {1×163 double}
                     {1×298 double}
                                       {1×340 double}
khoangcach = 1×3 cell array
   {1×163 double}
                      {1×298 double}
                                        {1×341 double}
khoangcach = 1×3 cell array
   {1×163 double}
                                        {1×342 double}
                      {1×298 double}
khoangcach = 1×3 cell array
   {1×163 double}
                     {1×298 double}
                                        {1×343 double}
khoangcach = 1×3 cell array
   {1×163 double}
                     {1×298 double}
                                        {1×344 double}
vuong =
  4.252176611091302
thoi =
  1.681245743252651
dim = 1 \times 2
  352
khoangcach = 1×4 cell array
   {1×163 double}
                     {1×298 double}
                                       {1×344 double}
                                                          {[15.473575227007911]}
khoangcach = 1×4 cell array
                                                          {1×2 double}
   {1×163 double}
                     {1×298 double}
                                        {1×344 double}
khoangcach = 1×4 cell array
   {1×163 double}
                     {1×298 double}
                                       {1×344 double}
                                                          {1×3 double}
khoangcach = 1×4 cell array
                                                          {1×4 double}
   {1×163 double}
                     {1×298 double}
                                        {1×344 double}
khoangcach = 1×4 cell array
   {1×163 double}
                     {1×298 double}
                                        {1×344 double}
                                                          {1×5 double}
khoangcach = 1×4 cell array
   {1×163 double}
                     {1×298 double}
                                        {1×344 double}
                                                          {1×6 double}
khoangcach = 1×4 cell array
   {1×163 double}
                     {1×298 double}
                                        {1×344 double}
                                                          {1×7 double}
khoangcach = 1×4 cell array
                     {1×298 double}
   {1×163 double}
                                                          {1×8 double}
                                        {1×344 double}
khoangcach = 1×4 cell array
    {1×163 double}
                     {1×298 double}
                                        {1×344 double}
                                                          {1×9 double}
khoangcach = 1×4 cell array
   {1×163 double}
                     {1×298 double}
                                        {1×344 double}
                                                          {1×10 double}
khoangcach = 1×4 cell array
    {1×163 double}
                      {1×298 double}
                                        {1×344 double}
                                                          {1×11 double}
khoangcach = 1×4 cell array
                                        {1×344 double}
                                                          {1×12 double}
   {1×163 double}
                     {1×298 double}
khoangcach = 1×4 cell array
    {1×163 double}
                     {1×298 double}
                                        {1×344 double}
                                                          {1×13 double}
khoangcach = 1×4 cell array
   {1×163 double}
                     {1×298 double}
                                        {1×344 double}
                                                          {1×14 double}
khoangcach = 1×4 cell array
   {1×163 double}
                                        {1×344 double}
                                                          {1×15 double}
                     {1×298 double}
khoangcach = 1×4 cell array
   {1×163 double}
                     {1×298 double}
                                        {1×344 double}
                                                          {1×16 double}
khoangcach = 1×4 cell array
   {1×163 double}
                     {1×298 double}
                                        {1×344 double}
                                                          {1×17 double}
```

khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×18	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×19	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×20	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×21	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×22	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×23	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×24	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×25	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×26	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×27	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×28	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×29	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×30	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×31	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×32	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×33	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×34	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×35	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×36	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×37	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×38	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×39	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×40	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×41	double}
_	= 1×4 cell	_					
-	double}	-	double}	{1×344	double}	{1×42	double}
khoangcach	= 1×4 cell	array					

	double}		double}	{1×344	double}	{1×43	double}
_	= 1×4 cell	_					
-	double}	-	double}	{1×344	double}	{1×44	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×45	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×46	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×47	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×48	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×49	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×50	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×51	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×52	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×53	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×54	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×55	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×56	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×57	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×58	double}
khoangcach	= 1×4 cell	array	-		-		
{1×163	double}	{1×298	double}	{1×344	double}	{1×59	double}
-	= 1×4 cell	-	•		•	•	-
_	double}	_	double}	{1×344	double}	{1×60	double}
	= 1×4 cell		•	•	•	•	,
_	double}	_	double}	{1×344	double}	{1×61	double}
-	= 1×4 cell	-	•		•	•	-
{1×163	double}	{1×298	double}	{1×344	double}	{1×62	double}
	= 1×4 cell		-		-	•	-
_	double}		double}	{1×344	double}	{1×63	double}
	= 1×4 cell		•	•	•	•	,
	double}		double}	{1×344	double}	{1×64	double}
-	= 1×4 cell	-	•	•	•	•	,
_	double}	_	double}	{1×344	double}	{1×65	double}
	= 1×4 cell		,	-	,	-	,
_	double}	_	double}	{1×344	double}	{1×66	double}
-	= 1×4 cell	-	,	-	,	-	,
	double}		double}	{1×344	double}	{1×67	double}
-	= 1×4 cell	-	,	-	,	•	,
_	double}		double}	{1×344	double}	{1×68	double}
	,		,		,		- 3

khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×69	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×70	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×71	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×72	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×73	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×74	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×75	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×76	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×77	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×78	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×79	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×80	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×81	double}
khoangcach	= $1\times4$ cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×82	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×83	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×84	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×85	double}
khoangcach	= 1×4 cell	array					
	double}		double}	{1×344	double}	{1×86	double}
_	= 1×4 cell	-					
•	double}	•	double}	{1×344	double}	{1×87	double}
_	= 1×4 cell	_					
	double}		double}	{1×344	double}	{1×88	double}
	= 1×4 cell						
•	double}	•	double}	{1×344	double}	{1×89	double}
	= 1×4 cell						
	double}		double}	{1×344	double}	{1×90	double}
_	= 1×4 cell						
	double}		double}	{1×344	double}	{1×91	double}
_	= 1×4 cell	_					
-	double}	-	double}	{1×344	double}	{1×92	double}
_	= 1×4 cell						
-	double}	-	double}	{1×344	double}	{1×93	double}
khoangcach	= 1×4 cell	array					

{1×163	double}	{1×298	double}	{1×344	double}	{1×94 (	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×95 (	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×96 (	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×97 (	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×98 (	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×99 (	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×100	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×101	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×102	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×103	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×104	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×105	double}
khoangcach	= 1×4 cell	array					
	double}		double}	{1×344	double}	{1×106	double}
	= 1×4 cell		-	•			-
	double}		double}	{1×344	double}	{1×107	double}
-	= 1×4 cell	-	-	•			-
_	double}	_	double}	{1×344	double}	{1×108	double}
-	= 1×4 cell	-	•		•	•	•
•	double}		double}	{1×344	double}	{1×109	double}
-	= 1×4 cell	-	•	•	-		-
	double}		double}	{1×344	double}	{1×110	double}
-	= 1×4 cell	-	•	•	,	•	•
_	double}	-	double}	{1×344	double}	{1×111	double}
	= 1×4 cell		,				
_	double}	_	double}	{1×344	double}	{1×112	double}
-	= 1×4 cell	-	,		,		,
_	double}	_	double}	{1×344	double}	{1×113	double}
	= 1×4 cell		,				
_	double}		double}	{1×344	double}	{1×114	double}
	= 1×4 cell		,				
	double}		double}	{1×344	double}	{1×115	double}
-	= 1×4 cell	-		(======================================		(=====	
_	double}	_	double}	{1×344	double}	{1×116	double}
	= 1×4 cell			(=::517		(======	
	double}		double}	{1×344	double}	{1×117	double}
	= 1×4 cell		,	(	J		
	double}		double}	{1×344	double}	{1×118	double}
-	= 1×4 cell	-		(=::517		(======	
_	double}		double}	{1×344	double}	{1×119	double}
(=::=05		,		(	J		

khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×120	double}
khoangcach	= 1×4 cell	array					
	double}		double}	{1×344	double}	{1×121	double}
=	= 1×4 cell	-	-	•	-	•	
•	double}		double}	{1×344	double}	{1×122	double}
	= 1×4 cell				•		,
	double}		double}	{1×344	double}	{1×123	double}
=	= 1×4 cell	•	,		,		
_	double}	_	double}	{1×344	double}	{1×124	double}
=	= 1×4 cell			(=		(	
	double}		double}	{1×344	double}	{1×125	double}
	= 1×4 cell			(======================================		(=====	
	double}		double}	{1×344	double}	{1×126	double}
=	= 1×4 cell		dodolej	(1.311	dodolej	(111110	acaciej
_	double}		double}	{1×344	double}	{1×127	double}
=	= 1×4 cell		dodbiej	(1/5-7-7	dodbiej	(1/12/	dodbicj
_	double}		double}	\$1~3//	double}	∫1∨12Q	double}
•	= 1×4 cell	•	double	11/14	double	[1/120	double
_	double}	_	doublol	[1.2//	double}	[1 <sub>v</sub> 120	double}
=	= 1×4 cell	-	double}	\1×344	double	11×129	doubte}
			doublol	[1.2//	doublol	[1 <sub>v</sub> 120	double)
=	double}		double}	11×344	double}	(1×130	double}
	= 1×4 cell		doublol	(1,,244	doublol	(1121	doublel
=	double}	-	double}	{1×344	double}	{1×131	double}
	= 1×4 cell		الماليمان	(1244	الماليمان	(1122	ا ما الماريمان
	double}		double}	{1×344	double}	{1×132	double}
	= 1×4 cell			64 244		(4 422	
=	double}	-	double}	{1×344	double}	{1×133	double}
_	= 1×4 cell	_					
=	double}	-	double}	{1×344	double}	{1×134	double}
	= 1×4 cell						
	double}	-	double}	{1×344	double}	{1×135	double}
	= 1×4 cell						
=	_	-	double}	{1×344	double}	{1×136	double}
_	= 1×4 cell						
	double}		double}	{1×344	double}	{1×137	double}
•	= 1×4 cell						
=	double}	-	double}	{1×344	double}	{1×138	double}
khoangcach	= 1×4 cell	array					
-	double}	-	double}	{1×344	double}	{1×139	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×140	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×141	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×142	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×143	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×144	double}
khoangcach	= 1×4 cell	array					

-	double}	-	double}	{1×344	double}	{1×145	double}
	= 1×4 cell						
-	double}		double}	{1×344	double}	{1×146	double}
_	= 1×4 cell	_					
-	double}	-	double}	{1×344	double}	{1×147	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×148	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×149	${\tt double}\}$
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×150	${\tt double}\}$
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×151	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×152	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×153	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×154	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×155	double}
khoangcach	= 1×4 cell				-		_
	double}		double}	{1×344	double}	{1×156	double}
-	= 1×4 cell		•	•	-		-
_	double}		double}	{1×344	double}	{1×157	double}
-	= 1×4 cell	-	•	•			•
	double}		double}	{1×344	double}	{1×158	double}
-	= 1×4 cell		,		,		,
_	double}	-	double}	{1×344	double}	{1×159	double}
	= 1×4 cell						<b>.</b>
_	double}		double}	{1×344	double}	{1×160	double}
-	= 1×4 cell	•					<b>.</b>
			double}	{1×344	double}	{1×161	double}
-	= 1×4 cell	-		(======================================		(======	
_	double}		double}	{1×344	double}	{1×162	double}
-	= 1×4 cell	-	4040101	(1.1311	dodolej	(11102	acaciej
	double}		double}	{1×344	double}	{1×163	double}
-	= 1×4 cell	-	4040101	(1.1311	dodolej	(111203	acaciej
•	double}		double}	{1×344	double}	{1×164	double}
	= 1×4 cell		dodbicj	T	doubicj	+01^1	dodbicj
_	double}		double}	{1×3///	double}	{1×165	double}
-	= 1×4 cell	-	dodbicj	TTCAL	doublej	(1/103	dodbicj
	double}		doublel	\$1×3//	double}	\$1×166	double}
	= 1×4 cell		dodbicj	TTCAL	doublej	(1/100	dodbicj
_	double}		doublel	\$1×3//	double}	∫1∨167	double}
-	= 1×4 cell	-	acapte?	(+^>++	MOUDIE	(1010/	acapte)
	double}		doublel	{1~2 <i>1</i> /	double}	\$1 <b>~</b> 160	double}
-	= 1×4 cell	-	acapte}	1±^>44	anante}	(1,100	acapte}
	double}		double?	\$1 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	double}	\$1 \ 1 CO	double?
	= 1×4 cell		aoabie}	1±×344	nonnie}	/T×T03	double}
_	double}	_	double)	\$1 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	double}	\$1 v 1 70	double)
ſ1×103	anante}	(TXZ3Q	acapte}	\ _ × > 44	anante}	[1×1/0	double}

khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×171	double}
khoangcach	= 1×4 cell	array					
	double}		double}	{1×344	double}	{1×172	double}
=	= 1×4 cell	-	-	•	-	•	
•	double}		double}	{1×344	double}	{1×173	double}
	= 1×4 cell				•		,
	double}		double}	{1×344	double}	{1×174	double}
=	= 1×4 cell	•	,		,		
•	double}		double}	{1×344	double}	{1×175	double}
=	= 1×4 cell			(=		(	
	double}		double}	{1×344	double}	{1×176	double}
	= 1×4 cell			(======================================		(=====	
	double}		double}	{1×344	double}	{1×177	double}
=	= 1×4 cell		dodolej	(1.311	dodolej	(1111)	acaciej
_	double}		double}	{1×344	double}	{1×178	double}
=	= 1×4 cell		dodbiej	(1/5-7-7	dodbiej	(1/1/0	dodbicj
_	double}		double}	\$1~3//	double}	∫1∨17Q	double}
•	= 1×4 cell	•	double	11/14	double	[1/1/5	double
_	double}	_	doublol	[1.2//	double}	[1 <sub>v</sub> 100	double}
=	= 1×4 cell	-	double}	\1×344	double	11×100	doubte}
			doublol	[1.2//	doublol	ſ1 <sub>U</sub> 101	double)
=	double}		double}	11×344	double}	(1×101	double}
	= 1×4 cell		doublol	(1,,244	doublol	(1102	doublel
=	double}	-	double}	{1×344	double}	{1×182	double}
	= 1×4 cell		الماليمان	(1244	الماليمان	(1102	ا ما الماريمان
	double}		double}	{1×344	double}	{1×183	double}
	= 1×4 cell			64 244		(4 404	
=	double}	-	double}	{1×344	double}	{1×184	double}
_	= 1×4 cell	_					
=	double}	-	double}	{1×344	double}	{1×185	double}
	= 1×4 cell						
	double}	-	double}	{1×344	double}	{1×186	double}
	= 1×4 cell						
=	_	-	double}	{1×344	double}	{1×187	double}
_	= 1×4 cell						
	double}		double}	{1×344	double}	{1×188	double}
•	= 1×4 cell						
=	double}	-	double}	{1×344	double}	{1×189	double}
khoangcach	= 1×4 cell	array					
-	double}	-	double}	{1×344	double}	{1×190	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×191	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×192	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×193	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×194	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×195	double}
khoangcach	= 1×4 cell	array					

{1×163	double}	{1×298	double}	{1×344	double}	{1×196	double}
	= 1×4 cell						
•	double}	•	double}	{1×344	double}	{1×197	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×198	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×199	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×200	${\tt double}\}$
khoangcach	= $1\times4$ cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×201	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×202	${\tt double}\}$
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×203	${\tt double}\}$
khoangcach	= $1\times4$ cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×204	${\tt double}\}$
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×205	${\tt double}\}$
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×206	${\tt double}\}$
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×207	${\tt double}\}$
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×208	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×209	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×210	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	$\{1 \times 211$	${\tt double}\}$
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×212	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×213	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×214	${\tt double}\}$
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×215	${\tt double}\}$
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×216	${\tt double}\}$
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×217	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×218	${\tt double}\}$
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×219	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×220	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×221	double}

khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×222	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×223	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×224	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×225	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×226	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×227	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×228	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×229	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×230	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×231	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×232	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×233	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×234	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×235	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×236	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×237	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×238	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×239	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×240	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×241	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×242	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×243	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×244	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×245	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×246	double}
khoangcach	= 1×4 cell	array					

•	double}	•	double}	{1×344	double}	{1×247	double}
	= 1×4 cell						
-	double}	-	double}	{1×344	double}	{1×248	double}
	= 1×4 cell						
{1×163	double}	{1×298	double}	{1×344	double}	{1×249	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×250	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×251	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×252	double}
khoangcach	= 1×4 cell	array					
-	double}	-	double}	{1×344	double}	{1×253	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×254	double}
khoangcach	= 1×4 cell	array					
-	double}	-	double}	{1×344	double}	{1×255	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×256	${\tt double}\}$
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×257	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×258	${\tt double}\}$
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×259	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×260	double}
khoangcach	= $1\times4$ cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×261	double}
khoangcach	= $1\times4$ cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×262	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×263	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×264	double}
khoangcach	= $1\times4$ cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×265	double}
khoangcach	= $1\times4$ cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×266	double}
khoangcach	= $1\times4$ cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×267	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×268	double}
khoangcach	= $1\times4$ cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×269	${\tt double}\}$
khoangcach	= 1×4 cell	array					
	double}		double}	{1×344	double}	{1×270	double}
khoangcach	= 1×4 cell	array					
-	double}	-	double}	{1×344	double}	{1×271	double}
_	= 1×4 cell						
{1×163	double}	{1×298	double}	{1×344	double}	{1×272	double}

khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×273	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×274	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×275	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×276	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×277	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×278	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×279	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×280	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×281	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×282	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×283	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×284	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×285	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×286	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×287	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×288	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×289	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×290	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×291	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×292	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×293	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×294	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×295	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×296	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×297	double}
khoangcach	= 1×4 cell	array					

{1×163	double}	{1×298	double}	{1×344	double}	{1×298	double}
khoangcach	= 1×4 cell	array					
-	double}	-	double}	{1×344	double}	{1×299	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×300	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×301	${\tt double}\}$
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×302	${\tt double}\}$
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×303	${\tt double}\}$
khoangcach	= $1\times4$ cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×304	${\tt double}\}$
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×305	${\tt double}\}$
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×306	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×307	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×308	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×309	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×310	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×311	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×312	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×313	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×314	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×315	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×316	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×317	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×318	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×319	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×320	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×321	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×322	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×323	double}

khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×324	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×325	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×326	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×327	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×328	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×329	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×330	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×331	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×332	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×333	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×334	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×335	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×336	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×337	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×338	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×339	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×340	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×341	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×342	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×343	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×344	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×345	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×346	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×347	double}
khoangcach	= 1×4 cell	array					
{1×163	double}	{1×298	double}	{1×344	double}	{1×348	double}
khoangcach	= 1×4 cell	array					

```
\{1\times163 \text{ double}\} \{1\times298 \text{ double}\} \{1\times344 \text{ double}\}
                                                                           {1×349 double}
khoangcach = 1×4 cell array
     {1×163 double}
                          \{1\times298 \text{ double}\} \{1\times344 \text{ double}\}
                                                                           {1×350 double}
khoangcach = 1×4 cell array
     {1×163 double}
                            \{1\times298 \text{ double}\} \{1\times344 \text{ double}\}
                                                                            {1×351 double}
khoangcach = 1×4 cell array
     \{1\times163 \text{ double}\} \{1\times298 \text{ double}\} \{1\times344 \text{ double}\} \{1\times352 \text{ double}\}
vuong =
   0.657373573596536
thoi =
   0.306857783682158
```