In [1]:

**import** **cv2** **as** **cv**  
**import** **math**

In [2]:

**import** **matplotlib.pyplot** **as** **plt**

In [3]:

net = cv.dnn.readNetFromTensorflow("graph\_opt.pb")

In [4]:

inWidth = 368  
inHeight = 368  
thr = 0.2

In [5]:

BODY\_PARTS = { "Nose": 0, "Neck": 1, "RShoulder": 2, "RElbow": 3, "RWrist": 4,  
 "LShoulder": 5, "LElbow": 6, "LWrist": 7, "RHip": 8, "RKnee": 9,  
 "RAnkle": 10, "LHip": 11, "LKnee": 12, "LAnkle": 13, "REye": 14,  
 "LEye": 15, "REar": 16, "LEar": 17, "Background": 18 }  
 BODY\_PART1 = { "Nose": 0 }  
  
 POSE\_PAIRS = [ ["Neck", "RShoulder"], ["Neck", "LShoulder"], ["RShoulder", "RElbow"],  
 ["RElbow", "RWrist"], ["LShoulder", "LElbow"], ["LElbow", "LWrist"],  
 ["Neck", "RHip"], ["RHip", "RKnee"], ["RKnee", "RAnkle"], ["Neck", "LHip"],  
 ["LHip", "LKnee"], ["LKnee", "LAnkle"], ["Neck", "Nose"], ["Nose", "REye"],  
 ["REye", "REar"], ["Nose", "LEye"], ["LEye", "LEar"] ]  
 print(len(BODY\_PARTS))  
 print(len(BODY\_PART1))

19  
1

In [6]:

BODY\_PART2 = { "NE": 1 }  
element = next(iter(BODY\_PART2))  
print(element)  
print(len(element))

NE  
2

In [7]:

img = cv.imread("lean\_pose1.jpg")

In [8]:

plt.imshow(img)

Out[8]:

<matplotlib.image.AxesImage at 0x1e164e48d00>

In [9]:

plt.imshow(cv.cvtColor(img, cv.COLOR\_BGR2RGB))

Out[9]:

<matplotlib.image.AxesImage at 0x1e165b6a4c0>

In [10]:

**def** pose\_estimation(frame):  
 frameWidth = frame.shape[1]  
 frameHeight = frame.shape[0]  
 inp = cv.dnn.blobFromImage(frame, 1.0, (inWidth, inHeight),(127.5, 127.5, 127.5), swapRB=**True**, crop=**False**)  
 net.setInput(inp)  
 out = net.forward()  
 out = out[:, :19, :, :]  
   
 **assert**(len(BODY\_PARTS) == out.shape[1])  
  
 points = []  
 **for** i **in** range(len(BODY\_PARTS)):  
 *# Slice heatmap of corresponding body's part.*  
 heatMap = out[0, i, :, :]  
  
 *# Originally, we try to find all the local maximums. To simplify a sample*  
 *# we just find a global one. However only a single pose at the same time*  
 *# could be detected this way.*  
 \_, conf, \_, point = cv.minMaxLoc(heatMap)  
 x = (frameWidth \* point[0]) / out.shape[3]  
 y = (frameHeight \* point[1]) / out.shape[2]  
 print("x=",x)  
 print("y=",y)  
 *# Add a point if it's confidence is higher than threshold.*  
 points.append((int(x), int(y)) **if** conf > thr **else** **None**)  
   
 **for** i **in** range(len(BODY\_PART1)):  
 heatMap = out[0, i, :, :]  
 \_, conf, \_, point = cv.minMaxLoc(heatMap)  
 x1 = (frameWidth \* point[0]) / out.shape[3]  
 y1 = (frameHeight \* point[1]) / out.shape[2]  
 print(" ")  
 print("x1=",x1)  
 print("y1=",y1)  
 **for** i **in** range(len(element)):  
 heatMap = out[0, i, :, :]  
 \_, conf, \_, point = cv.minMaxLoc(heatMap)  
 x2 = (frameWidth \* point[0]) / out.shape[3]  
 y2 = (frameHeight \* point[1]) / out.shape[2]  
 print(" ")  
 print("x2=",x2)  
 print("y2=",y2)  
 print(" ")  
 distance = ((((x2-x1)\*\*2)+((y2-y1)\*\*2))\*\*0.5)  
 print("the distance between them is ", distance)  
 **for** pair **in** POSE\_PAIRS:  
 partFrom = pair[0]  
 partTo = pair[1]  
 **assert**(partFrom **in** BODY\_PARTS)  
 **assert**(partTo **in** BODY\_PARTS)  
  
 idFrom = BODY\_PARTS[partFrom]  
 idTo = BODY\_PARTS[partTo]  
   
 **if** points[idFrom] **and** points[idTo]:  
 cv.line(frame, points[idFrom], points[idTo], (0, 0, 0), 3)  
 cv.ellipse(frame, points[idFrom], (3, 3), 0, 0, 360, (255, 255, 255), cv.FILLED)  
 cv.ellipse(frame, points[idTo], (3, 3), 0, 0, 360, (0, 0, 255), cv.FILLED)  
  
 t, \_ = net.getPerfProfile()  
 freq = cv.getTickFrequency() / 1000  
 cv.putText(frame, '**%.2f**ms' % (t / freq), (10, 20), cv.FONT\_HERSHEY\_SIMPLEX, 0.5, (0, 0, 0))  
 **return** frame  
 **return** distance

In [11]:

expected\_image = pose\_estimation(img)

x= 400.0  
y= 69.56521739130434  
x= 400.0  
y= 173.91304347826087  
x= 313.04347826086956  
y= 173.91304347826087  
x= 243.47826086956522  
y= 243.47826086956522  
x= 243.47826086956522  
y= 330.4347826086956  
x= 486.95652173913044  
y= 173.91304347826087  
x= 539.1304347826087  
y= 260.8695652173913  
x= 539.1304347826087  
y= 347.82608695652175  
x= 347.82608695652175  
y= 400.0  
x= 347.82608695652175  
y= 556.5217391304348  
x= 347.82608695652175  
y= 730.4347826086956  
x= 452.17391304347825  
y= 400.0  
x= 452.17391304347825  
y= 556.5217391304348  
x= 452.17391304347825  
y= 730.4347826086956  
x= 382.60869565217394  
y= 52.17391304347826  
x= 417.39130434782606  
y= 52.17391304347826  
x= 365.2173913043478  
y= 69.56521739130434  
x= 434.7826086956522  
y= 69.56521739130434  
x= 765.2173913043479  
y= 17.391304347826086  
   
x1= 400.0  
y1= 69.56521739130434  
   
x2= 400.0  
y2= 69.56521739130434  
   
   
x2= 400.0  
y2= 173.91304347826087  
   
the distance between them is 104.34782608695653

In [12]:

plt.imshow(cv.cvtColor(expected\_image, cv.COLOR\_BGR2RGB))

Out[12]:

<matplotlib.image.AxesImage at 0x1e1659c22b0>

In [13]:

lean = cv.VideoCapture('lean.gif')  
lean.set(3,800)  
lean.set(4,800)  
  
**if** **not** lean.isOpened():  
 lean = cv.VideoCapture(0)  
**if** **not** lean.isOpened():  
 **raise** **IOError**("can't open the video file")  
   
**while** cv.waitKey(1) < 0:  
 hasFrame,frame = lean.read()  
 **if** **not** hasFrame:  
 cv.WaitKey()  
 **break**  
 frameWidth = frame.shape[1]  
 frameHeight = frame.shape[0]  
 inp = cv.dnn.blobFromImage(frame, 1.0, (inWidth, inHeight),(127.5, 127.5, 127.5), swapRB=**True**, crop=**False**)  
 net.setInput(inp)  
 out = net.forward()  
 out = out[:, :19, :, :]  
   
 **assert**(len(BODY\_PARTS) == out.shape[1])  
  
 points = []  
 **for** i **in** range(len(BODY\_PARTS)):  
 *# Slice heatmap of corresponding body's part.*  
 heatMap = out[0, i, :, :]  
  
 *# Originally, we try to find all the local maximums. To simplify a sample*  
 *# we just find a global one. However only a single pose at the same time*  
 *# could be detected this way.*  
 \_, conf, \_, point = cv.minMaxLoc(heatMap)  
 x = (frameWidth \* point[0]) / out.shape[3]  
 y = (frameHeight \* point[1]) / out.shape[2]  
 *# Add a point if it's confidence is higher than threshold.*  
 points.append((int(x), int(y)) **if** conf > thr **else** **None**)  
   
 **for** i **in** range(len(BODY\_PART1)):  
 heatMap = out[0, i, :, :]  
 \_, conf, \_, point = cv.minMaxLoc(heatMap)  
 x1 = (frameWidth \* point[0]) / out.shape[3]  
 y1 = (frameHeight \* point[1]) / out.shape[2]  
 print(" ")  
 print("x1=",x1)  
 print("y1=",y1)  
   
 **for** i **in** range(len(element)):  
 heatMap = out[0, i, :, :]  
 \_, conf, \_, point = cv.minMaxLoc(heatMap)  
 x2 = (frameWidth \* point[0]) / out.shape[3]  
 y2 = (frameHeight \* point[1]) / out.shape[2]  
 print(" ")  
 print("x2=",x2)  
 print("y2=",y2)  
 distance = ((((x2-x1)\*\*2)+((y2-y1)\*\*2))\*\*0.5)  
 print("the distance between them is ", distance)  
   
 **for** i **in** range(len('lean.gif')):  
 **if** distance <71:  
 text = "bend pose detected: **{}**".format(distance)  
 cv.putText(frame, text, (10, frame.shape[0] - 25),cv.FONT\_HERSHEY\_SIMPLEX, 1, (255, 0, 0),2)  
 print("detected")  
 **else**:  
 text1 = "bend pose not detected: **{}**".format(distance)  
 cv.putText(frame, text1, (10, frame.shape[0] - 25),cv.FONT\_HERSHEY\_SIMPLEX, 1, (255, 0, 0),2)  
 print("not detected")  
  
 **for** pair **in** POSE\_PAIRS:  
 partFrom = pair[0]  
 partTo = pair[1]  
 **assert**(partFrom **in** BODY\_PARTS)  
 **assert**(partTo **in** BODY\_PARTS)  
  
 idFrom = BODY\_PARTS[partFrom]  
 idTo = BODY\_PARTS[partTo]  
 **if** points[idFrom] **and** points[idTo]:  
 cv.line(frame, points[idFrom], points[idTo], (0, 255, 0), 3)  
 cv.ellipse(frame, points[idFrom], (3, 3), 0, 0, 360, (0, 0, 255), cv.FILLED)  
 cv.ellipse(frame, points[idTo], (3, 3), 0, 0, 360, (0, 0, 255), cv.FILLED)  
  
 t, \_ = net.getPerfProfile()  
 freq = cv.getTickFrequency() / 1000  
 cv.putText(frame, '**%.2f**ms' % (t / freq), (10, 20), cv.FONT\_HERSHEY\_SIMPLEX, 0.5, (0, 0, 0))  
   
 cv.imshow('video executed successfully ', frame)

x1= 313.04347826086956  
y1= 58.69565217391305  
   
x2= 313.04347826086956  
y2= 58.69565217391305  
   
x2= 328.69565217391306  
y2= 129.1304347826087  
the distance between them is 72.15295662229215  
not detected  
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x1= 313.04347826086956  
y1= 58.69565217391305  
   
x2= 313.04347826086956  
y2= 58.69565217391305  
   
x2= 328.69565217391306  
y2= 129.1304347826087  
the distance between them is 72.15295662229215  
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x1= 313.04347826086956  
y1= 58.69565217391305  
   
x2= 313.04347826086956  
y2= 58.69565217391305  
   
x2= 344.3478260869565  
y2= 117.3913043478261  
the distance between them is 66.52173913043478  
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x1= 313.04347826086956  
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x2= 313.04347826086956  
y2= 58.69565217391305  
   
x2= 344.3478260869565  
y2= 129.1304347826087  
the distance between them is 77.07801757927385  
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x1= 313.04347826086956  
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x2= 344.3478260869565  
y2= 117.3913043478261  
the distance between them is 66.52173913043478  
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y2= 58.69565217391305  
   
x2= 344.3478260869565  
y2= 117.3913043478261  
the distance between them is 66.52173913043478  
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x1= 313.04347826086956  
y1= 58.69565217391305  
   
x2= 313.04347826086956  
y2= 58.69565217391305  
   
x2= 344.3478260869565  
y2= 129.1304347826087  
the distance between them is 77.07801757927385  
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x2= 344.3478260869565  
y2= 117.3913043478261  
the distance between them is 66.52173913043478  
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y2= 117.3913043478261  
the distance between them is 66.52173913043478  
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y2= 58.69565217391305  
   
x2= 344.3478260869565  
y2= 117.3913043478261  
the distance between them is 66.52173913043478  
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x1= 313.04347826086956  
y1= 58.69565217391305  
   
x2= 313.04347826086956  
y2= 58.69565217391305  
   
x2= 344.3478260869565  
y2= 117.3913043478261  
the distance between them is 66.52173913043478  
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x2= 313.04347826086956  
y2= 58.69565217391305  
   
x2= 344.3478260869565  
y2= 117.3913043478261  
the distance between them is 66.52173913043478  
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y2= 117.3913043478261  
the distance between them is 66.52173913043478  
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x1= 313.04347826086956  
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y2= 58.69565217391305  
   
x2= 344.3478260869565  
y2= 117.3913043478261  
the distance between them is 66.52173913043478  
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y2= 58.69565217391305  
   
x2= 344.3478260869565  
y2= 117.3913043478261  
the distance between them is 66.52173913043478  
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x1= 313.04347826086956  
y1= 58.69565217391305  
   
x2= 313.04347826086956  
y2= 58.69565217391305  
   
x2= 344.3478260869565  
y2= 117.3913043478261  
the distance between them is 66.52173913043478  
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x1= 313.04347826086956  
y1= 58.69565217391305  
   
x2= 313.04347826086956  
y2= 58.69565217391305  
   
x2= 344.3478260869565  
y2= 117.3913043478261  
the distance between them is 66.52173913043478  
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y1= 58.69565217391305  
   
x2= 313.04347826086956  
y2= 58.69565217391305  
   
x2= 344.3478260869565  
y2= 117.3913043478261  
the distance between them is 66.52173913043478  
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x1= 313.04347826086956  
y1= 58.69565217391305  
   
x2= 313.04347826086956  
y2= 58.69565217391305  
   
x2= 344.3478260869565  
y2= 117.3913043478261  
the distance between them is 66.52173913043478  
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x1= 313.04347826086956  
y1= 58.69565217391305  
   
x2= 313.04347826086956  
y2= 58.69565217391305  
   
x2= 344.3478260869565  
y2= 117.3913043478261  
the distance between them is 66.52173913043478  
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x1= 313.04347826086956  
y1= 58.69565217391305  
   
x2= 313.04347826086956  
y2= 58.69565217391305  
   
x2= 344.3478260869565  
y2= 117.3913043478261  
the distance between them is 66.52173913043478  
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x1= 313.04347826086956  
y1= 58.69565217391305  
   
x2= 313.04347826086956  
y2= 58.69565217391305  
   
x2= 344.3478260869565  
y2= 117.3913043478261  
the distance between them is 66.52173913043478  
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x1= 313.04347826086956  
y1= 58.69565217391305  
   
x2= 313.04347826086956  
y2= 58.69565217391305  
   
x2= 344.3478260869565  
y2= 117.3913043478261  
the distance between them is 66.52173913043478  
detected  
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x1= 313.04347826086956  
y1= 58.69565217391305  
   
x2= 313.04347826086956  
y2= 58.69565217391305  
   
x2= 328.69565217391306  
y2= 117.3913043478261  
the distance between them is 60.74677055058271  
detected  
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x1= 313.04347826086956  
y1= 58.69565217391305  
   
x2= 313.04347826086956  
y2= 58.69565217391305  
   
x2= 328.69565217391306  
y2= 117.3913043478261  
the distance between them is 60.74677055058271  
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x1= 297.39130434782606  
y1= 58.69565217391305  
   
x2= 297.39130434782606  
y2= 58.69565217391305  
   
x2= 328.69565217391306  
y2= 117.3913043478261  
the distance between them is 66.52173913043481  
detected  
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x1= 297.39130434782606  
y1= 58.69565217391305  
   
x2= 297.39130434782606  
y2= 58.69565217391305  
   
x2= 328.69565217391306  
y2= 117.3913043478261  
the distance between them is 66.52173913043481  
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x1= 297.39130434782606  
y1= 58.69565217391305  
   
x2= 297.39130434782606  
y2= 58.69565217391305  
   
x2= 328.69565217391306  
y2= 117.3913043478261  
the distance between them is 66.52173913043481  
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x1= 297.39130434782606  
y1= 58.69565217391305  
   
x2= 297.39130434782606  
y2= 58.69565217391305  
   
x2= 328.69565217391306  
y2= 117.3913043478261  
the distance between them is 66.52173913043481  
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x1= 281.7391304347826  
y1= 58.69565217391305  
   
x2= 281.7391304347826  
y2= 58.69565217391305  
   
x2= 328.69565217391306  
y2= 117.3913043478261  
the distance between them is 75.16711061334213  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 281.7391304347826  
y1= 70.43478260869566  
   
x2= 281.7391304347826  
y2= 70.43478260869566  
   
x2= 313.04347826086956  
y2= 117.3913043478261  
the distance between them is 56.43471561595808  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 281.7391304347826  
y1= 70.43478260869566  
   
x2= 281.7391304347826  
y2= 70.43478260869566  
   
x2= 313.04347826086956  
y2= 117.3913043478261  
the distance between them is 56.43471561595808  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 266.0869565217391  
y1= 70.43478260869566  
   
x2= 266.0869565217391  
y2= 70.43478260869566  
   
x2= 313.04347826086956  
y2= 117.3913043478261  
the distance between them is 66.40654988534534  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 266.0869565217391  
y1= 70.43478260869566  
   
x2= 266.0869565217391  
y2= 70.43478260869566  
   
x2= 313.04347826086956  
y2= 117.3913043478261  
the distance between them is 66.40654988534534  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 266.0869565217391  
y1= 82.17391304347827  
   
x2= 266.0869565217391  
y2= 82.17391304347827  
   
x2= 297.39130434782606  
y2= 129.1304347826087  
the distance between them is 56.434715615958076  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 266.0869565217391  
y1= 82.17391304347827  
   
x2= 266.0869565217391  
y2= 82.17391304347827  
   
x2= 297.39130434782606  
y2= 129.1304347826087  
the distance between them is 56.434715615958076  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 250.43478260869566  
y1= 82.17391304347827  
   
x2= 250.43478260869566  
y2= 82.17391304347827  
   
x2= 297.39130434782606  
y2= 129.1304347826087  
the distance between them is 66.4065498853453  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 250.43478260869566  
y1= 82.17391304347827  
   
x2= 250.43478260869566  
y2= 82.17391304347827  
   
x2= 297.39130434782606  
y2= 129.1304347826087  
the distance between them is 66.4065498853453  
detected  
detected  
detected  
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detected  
   
x1= 250.43478260869566  
y1= 82.17391304347827  
   
x2= 250.43478260869566  
y2= 82.17391304347827  
   
x2= 297.39130434782606  
y2= 129.1304347826087  
the distance between them is 66.4065498853453  
detected  
detected  
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detected  
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x1= 250.43478260869566  
y1= 82.17391304347827  
   
x2= 250.43478260869566  
y2= 82.17391304347827  
   
x2= 297.39130434782606  
y2= 129.1304347826087  
the distance between them is 66.4065498853453  
detected  
detected  
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detected  
detected  
   
x1= 250.43478260869566  
y1= 93.91304347826087  
   
x2= 250.43478260869566  
y2= 93.91304347826087  
   
x2= 281.7391304347826  
y2= 129.1304347826087  
the distance between them is 47.11928313440463  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 234.7826086956522  
y1= 93.91304347826087  
   
x2= 234.7826086956522  
y2= 93.91304347826087  
   
x2= 281.7391304347826  
y2= 140.8695652173913  
the distance between them is 66.40654988534534  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 234.7826086956522  
y1= 93.91304347826087  
   
x2= 234.7826086956522  
y2= 93.91304347826087  
   
x2= 281.7391304347826  
y2= 140.8695652173913  
the distance between them is 66.40654988534534  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 234.7826086956522  
y1= 105.65217391304348  
   
x2= 234.7826086956522  
y2= 105.65217391304348  
   
x2= 281.7391304347826  
y2= 140.8695652173913  
the distance between them is 58.69565217391305  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 234.7826086956522  
y1= 105.65217391304348  
   
x2= 234.7826086956522  
y2= 105.65217391304348  
   
x2= 281.7391304347826  
y2= 140.8695652173913  
the distance between them is 58.69565217391305  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 234.7826086956522  
y1= 117.3913043478261  
   
x2= 234.7826086956522  
y2= 117.3913043478261  
   
x2= 281.7391304347826  
y2= 152.6086956521739  
the distance between them is 58.69565217391304  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 234.7826086956522  
y1= 117.3913043478261  
   
x2= 234.7826086956522  
y2= 117.3913043478261  
   
x2= 281.7391304347826  
y2= 152.6086956521739  
the distance between them is 58.69565217391304  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 219.1304347826087  
y1= 117.3913043478261  
   
x2= 219.1304347826087  
y2= 117.3913043478261  
   
x2= 281.7391304347826  
y2= 152.6086956521739  
the distance between them is 71.8339294592054  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 219.1304347826087  
y1= 129.1304347826087  
   
x2= 219.1304347826087  
y2= 129.1304347826087  
   
x2= 281.7391304347826  
y2= 164.34782608695653  
the distance between them is 71.83392945920541  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 219.1304347826087  
y1= 129.1304347826087  
   
x2= 219.1304347826087  
y2= 129.1304347826087  
   
x2= 266.0869565217391  
y2= 164.34782608695653  
the distance between them is 58.695652173913054  
detected  
detected  
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detected  
detected  
detected  
   
x1= 219.1304347826087  
y1= 140.8695652173913  
   
x2= 219.1304347826087  
y2= 140.8695652173913  
   
x2= 266.0869565217391  
y2= 164.34782608695653  
the distance between them is 52.49898729782115  
detected  
detected  
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detected  
detected  
detected  
detected  
   
x1= 219.1304347826087  
y1= 152.6086956521739  
   
x2= 219.1304347826087  
y2= 152.6086956521739  
   
x2= 266.0869565217391  
y2= 176.08695652173913  
the distance between them is 52.49898729782115  
detected  
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detected  
   
x1= 219.1304347826087  
y1= 152.6086956521739  
   
x2= 219.1304347826087  
y2= 152.6086956521739  
   
x2= 266.0869565217391  
y2= 176.08695652173913  
the distance between them is 52.49898729782115  
detected  
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x1= 219.1304347826087  
y1= 164.34782608695653  
   
x2= 219.1304347826087  
y2= 164.34782608695653  
   
x2= 266.0869565217391  
y2= 176.08695652173913  
the distance between them is 48.40167473551167  
detected  
detected  
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detected  
detected  
   
x1= 219.1304347826087  
y1= 164.34782608695653  
   
x2= 219.1304347826087  
y2= 164.34782608695653  
   
x2= 266.0869565217391  
y2= 187.82608695652175  
the distance between them is 52.49898729782115  
detected  
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x1= 219.1304347826087  
y1= 176.08695652173913  
   
x2= 219.1304347826087  
y2= 176.08695652173913  
   
x2= 266.0869565217391  
y2= 187.82608695652175  
the distance between them is 48.401674735511676  
detected  
detected  
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detected  
   
x1= 219.1304347826087  
y1= 176.08695652173913  
   
x2= 219.1304347826087  
y2= 176.08695652173913  
   
x2= 266.0869565217391  
y2= 187.82608695652175  
the distance between them is 48.401674735511676  
detected  
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detected  
   
x1= 219.1304347826087  
y1= 187.82608695652175  
   
x2= 219.1304347826087  
y2= 187.82608695652175  
   
x2= 266.0869565217391  
y2= 199.56521739130434  
the distance between them is 48.40167473551167  
detected  
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detected  
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x1= 219.1304347826087  
y1= 187.82608695652175  
   
x2= 219.1304347826087  
y2= 187.82608695652175  
   
x2= 266.0869565217391  
y2= 199.56521739130434  
the distance between them is 48.40167473551167  
detected  
detected  
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detected  
detected  
detected  
detected  
detected  
   
x1= 203.47826086956522  
y1= 187.82608695652175  
   
x2= 203.47826086956522  
y2= 187.82608695652175  
   
x2= 266.0869565217391  
y2= 199.56521739130434  
the distance between them is 63.69973276734667  
detected  
detected  
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detected  
   
x1= 203.47826086956522  
y1= 199.56521739130434  
   
x2= 203.47826086956522  
y2= 199.56521739130434  
   
x2= 266.0869565217391  
y2= 199.56521739130434  
the distance between them is 62.60869565217391  
detected  
detected  
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detected  
detected  
detected  
detected  
   
x1= 203.47826086956522  
y1= 199.56521739130434  
   
x2= 203.47826086956522  
y2= 199.56521739130434  
   
x2= 266.0869565217391  
y2= 199.56521739130434  
the distance between them is 62.60869565217391  
detected  
detected  
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x1= 219.1304347826087  
y1= 211.30434782608697  
   
x2= 219.1304347826087  
y2= 211.30434782608697  
   
x2= 266.0869565217391  
y2= 211.30434782608697  
the distance between them is 46.95652173913044  
detected  
detected  
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detected  
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detected  
   
x1= 203.47826086956522  
y1= 211.30434782608697  
   
x2= 203.47826086956522  
y2= 211.30434782608697  
   
x2= 266.0869565217391  
y2= 211.30434782608697  
the distance between them is 62.60869565217391  
detected  
detected  
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detected  
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detected  
   
x1= 219.1304347826087  
y1= 223.04347826086956  
   
x2= 219.1304347826087  
y2= 223.04347826086956  
   
x2= 266.0869565217391  
y2= 211.30434782608697  
the distance between them is 48.40167473551167  
detected  
detected  
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detected  
detected  
   
x1= 203.47826086956522  
y1= 223.04347826086956  
   
x2= 203.47826086956522  
y2= 223.04347826086956  
   
x2= 266.0869565217391  
y2= 223.04347826086956  
the distance between them is 62.60869565217391  
detected  
detected  
detected  
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detected  
detected  
detected  
   
x1= 203.47826086956522  
y1= 223.04347826086956  
   
x2= 203.47826086956522  
y2= 223.04347826086956  
   
x2= 266.0869565217391  
y2= 223.04347826086956  
the distance between them is 62.60869565217391  
detected  
detected  
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detected  
   
x1= 219.1304347826087  
y1= 234.7826086956522  
   
x2= 219.1304347826087  
y2= 234.7826086956522  
   
x2= 266.0869565217391  
y2= 223.04347826086956  
the distance between them is 48.401674735511676  
detected  
detected  
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x1= 203.47826086956522  
y1= 234.7826086956522  
   
x2= 203.47826086956522  
y2= 234.7826086956522  
   
x2= 266.0869565217391  
y2= 223.04347826086956  
the distance between them is 63.699732767346674  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 219.1304347826087  
y1= 246.52173913043478  
   
x2= 219.1304347826087  
y2= 246.52173913043478  
   
x2= 266.0869565217391  
y2= 234.7826086956522  
the distance between them is 48.40167473551167  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 219.1304347826087  
y1= 246.52173913043478  
   
x2= 219.1304347826087  
y2= 246.52173913043478  
   
x2= 266.0869565217391  
y2= 234.7826086956522  
the distance between them is 48.40167473551167  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 219.1304347826087  
y1= 246.52173913043478  
   
x2= 219.1304347826087  
y2= 246.52173913043478  
   
x2= 266.0869565217391  
y2= 234.7826086956522  
the distance between them is 48.40167473551167  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 219.1304347826087  
y1= 258.2608695652174  
   
x2= 219.1304347826087  
y2= 258.2608695652174  
   
x2= 266.0869565217391  
y2= 234.7826086956522  
the distance between them is 52.498987297821145  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 219.1304347826087  
y1= 258.2608695652174  
   
x2= 219.1304347826087  
y2= 258.2608695652174  
   
x2= 281.7391304347826  
y2= 246.52173913043478  
the distance between them is 63.699732767346696  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 219.1304347826087  
y1= 258.2608695652174  
   
x2= 219.1304347826087  
y2= 258.2608695652174  
   
x2= 266.0869565217391  
y2= 246.52173913043478  
the distance between them is 48.40167473551167  
detected  
detected  
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detected  
detected  
   
x1= 219.1304347826087  
y1= 258.2608695652174  
   
x2= 219.1304347826087  
y2= 258.2608695652174  
   
x2= 266.0869565217391  
y2= 246.52173913043478  
the distance between them is 48.40167473551167  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 219.1304347826087  
y1= 270.0  
   
x2= 219.1304347826087  
y2= 270.0  
   
x2= 281.7391304347826  
y2= 246.52173913043478  
the distance between them is 66.86611626770244  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 234.7826086956522  
y1= 270.0  
   
x2= 234.7826086956522  
y2= 270.0  
   
x2= 281.7391304347826  
y2= 246.52173913043478  
the distance between them is 52.49898729782115  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 234.7826086956522  
y1= 270.0  
   
x2= 234.7826086956522  
y2= 270.0  
   
x2= 281.7391304347826  
y2= 258.2608695652174  
the distance between them is 48.401674735511676  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 234.7826086956522  
y1= 270.0  
   
x2= 234.7826086956522  
y2= 270.0  
   
x2= 281.7391304347826  
y2= 258.2608695652174  
the distance between them is 48.401674735511676  
detected  
detected  
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detected  
detected  
detected  
detected

**---------------------------------------------------------------------------**  
**AttributeError** Traceback (most recent call last)  
**<ipython-input-13-c66adb3f3980>** in <module>  
 11 hasFrame**,**frame **=** lean**.**read**()**  
 12 **if** **not** hasFrame**:**  
**---> 13** cv**.**WaitKey**()**  
 14 **break**  
 15 frameWidth **=** frame**.**shape**[1]**  
  
**AttributeError**: module 'cv2.cv2' has no attribute 'WaitKey'

In [ ]:

lean = cv.VideoCapture(1)  
lean1 = cv.VideoCapture('video2.mp4')  
  
lean.set(cv.CAP\_PROP\_FPS,10)  
lean.set(3,800)  
lean.set(4,800)  
  
**if** **not** lean.isOpened():  
 lean = cv.VideoCapture(0)  
**if** **not** lean.isOpened():  
 **raise** **IOError**("can't access and open webcam")  
   
**while** cv.waitKey(1) < 0:  
 hasFrame,frame = lean.read()  
 **if** **not** hasFrame:  
 cv.WaitKey()  
 **break**  
 frameWidth = frame.shape[1]  
 frameHeight = frame.shape[0]  
 inp = cv.dnn.blobFromImage(frame, 1.0, (inWidth, inHeight),(127.5, 127.5, 127.5), swapRB=**True**, crop=**False**)  
 net.setInput(inp)  
 out = net.forward()  
 out = out[:, :19, :, :]  
   
 **assert**(len(BODY\_PARTS) == out.shape[1])  
  
 points = []  
 **for** i **in** range(len(BODY\_PARTS)):  
 *# Slice heatmap of corresponding body's part.*  
 heatMap = out[0, i, :, :]  
  
 *# Originally, we try to find all the local maximums. To simplify a sample*  
 *# we just find a global one. However only a single pose at the same time*  
 *# could be detected this way.*  
 \_, conf, \_, point = cv.minMaxLoc(heatMap)  
 x = (frameWidth \* point[0]) / out.shape[3]  
 y = (frameHeight \* point[1]) / out.shape[2]  
  
 *# Add a point if it's confidence is higher than threshold.*  
 points.append((int(x), int(y)) **if** conf > thr **else** **None**)  
   
 **for** i **in** range(len(BODY\_PART1)):  
 heatMap = out[0, i, :, :]  
 \_, conf, \_, point = cv.minMaxLoc(heatMap)  
 x1 = (frameWidth \* point[0]) / out.shape[3]  
 y1 = (frameHeight \* point[1]) / out.shape[2]  
 print(" ")  
 print("x1=",x1)  
 print("y1=",y1)  
   
 **for** i **in** range(len(element)):  
 heatMap = out[0, i, :, :]  
 \_, conf, \_, point = cv.minMaxLoc(heatMap)  
 x2 = (frameWidth \* point[0]) / out.shape[3]  
 y2 = (frameHeight \* point[1]) / out.shape[2]  
 print(" ")  
 print("x2=",x2)  
 print("y2=",y2)  
 distance = ((((x2-x1)\*\*2)+((y2-y1)\*\*2))\*\*0.5)  
 print("the distance between them is ", distance)  
   
 **for** i **in** range(len('video2.mp4')):  
 **if** distance <100:  
 text = "bend pose detected: **{}**".format(distance)  
 cv.putText(frame, text, (10, frame.shape[0] - 25),cv.FONT\_HERSHEY\_SIMPLEX, 1, (255, 0, 0),2)  
 print("detected")  
 **else**:  
 text1 = "bend pose not detected: **{}**".format(distance)  
 cv.putText(frame, text1, (10, frame.shape[0] - 25),cv.FONT\_HERSHEY\_SIMPLEX, 1, (255, 0, 0),2)  
 print("not detected")  
  
 **for** pair **in** POSE\_PAIRS:  
 partFrom = pair[0]  
 partTo = pair[1]  
 **assert**(partFrom **in** BODY\_PARTS)  
 **assert**(partTo **in** BODY\_PARTS)  
  
 idFrom = BODY\_PARTS[partFrom]  
 idTo = BODY\_PARTS[partTo]  
  
 **if** points[idFrom] **and** points[idTo]:  
 cv.line(frame, points[idFrom], points[idTo], (0, 255, 0), 3)  
 cv.ellipse(frame, points[idFrom], (3, 3), 0, 0, 360, (0, 0, 255), cv.FILLED)  
 cv.ellipse(frame, points[idTo], (3, 3), 0, 0, 360, (0, 0, 255), cv.FILLED)  
  
 t, \_ = net.getPerfProfile()  
 freq = cv.getTickFrequency() / 1000  
 cv.putText(frame, '**%.2f**ms' % (t / freq), (10, 20), cv.FONT\_HERSHEY\_SIMPLEX, 0.5, (0, 0, 0))  
   
 cv.imshow('LIVE WEBCAM ', frame)

x1= 626.0869565217391  
y1= 31.304347826086957  
   
x2= 626.0869565217391  
y2= 31.304347826086957  
   
x2= 361.7391304347826  
y2= 240.0  
the distance between them is 336.7991217227187  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 0.0  
y1= 0.0  
   
x2= 0.0  
y2= 0.0  
   
x2= 306.0869565217391  
y2= 146.08695652173913  
the distance between them is 339.16164850779563  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 0.0  
y1= 0.0  
   
x2= 0.0  
y2= 0.0  
   
x2= 320.0  
y2= 146.08695652173913  
the distance between them is 351.7689566544843  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 320.0  
y1= 146.08695652173913  
   
x2= 320.0  
y2= 146.08695652173913  
   
x2= 320.0  
y2= 135.65217391304347  
the distance between them is 10.434782608695656  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 361.7391304347826  
y1= 229.56521739130434  
   
x2= 361.7391304347826  
y2= 229.56521739130434  
   
x2= 320.0  
y2= 135.65217391304347  
the distance between them is 102.77069010569849  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 292.17391304347825  
y1= 260.8695652173913  
   
x2= 292.17391304347825  
y2= 260.8695652173913  
   
x2= 320.0  
y2= 135.65217391304347  
the distance between them is 128.27192288407497  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 292.17391304347825  
y1= 260.8695652173913  
   
x2= 292.17391304347825  
y2= 260.8695652173913  
   
x2= 333.9130434782609  
y2= 135.65217391304347  
the distance between them is 131.99071972876715  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 333.9130434782609  
y1= 260.8695652173913  
   
x2= 333.9130434782609  
y2= 260.8695652173913  
   
x2= 347.82608695652175  
y2= 135.65217391304347  
the distance between them is 125.98796713930321  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 403.4782608695652  
y1= 229.56521739130434  
   
x2= 403.4782608695652  
y2= 229.56521739130434  
   
x2= 361.7391304347826  
y2= 135.65217391304347  
the distance between them is 102.77069010569848  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 361.7391304347826  
y1= 250.43478260869566  
   
x2= 361.7391304347826  
y2= 250.43478260869566  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 428.6030414121562  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 612.1739130434783  
y1= 459.1304347826087  
   
x2= 612.1739130434783  
y2= 459.1304347826087  
   
x2= 361.7391304347826  
y2= 135.65217391304347  
the distance between them is 409.0913902729598  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 0.0  
   
x2= 598.2608695652174  
y2= 0.0  
   
x2= 333.9130434782609  
y2= 146.08695652173913  
the distance between them is 302.02842916302484  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 333.9130434782609  
y1= 156.52173913043478  
   
x2= 333.9130434782609  
y2= 156.52173913043478  
   
x2= 320.0  
y2= 146.08695652173913  
the distance between them is 17.391304347826093  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 612.1739130434783  
y1= 459.1304347826087  
   
x2= 612.1739130434783  
y2= 459.1304347826087  
   
x2= 306.0869565217391  
y2= 208.69565217391303  
the distance between them is 395.48300253361793  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 333.9130434782609  
y2= 281.7391304347826  
the distance between them is 378.79522476694206  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 236.52173913043478  
y1= 333.9130434782609  
   
x2= 236.52173913043478  
y2= 333.9130434782609  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 401.3135332690353  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 0.0  
   
x2= 598.2608695652174  
y2= 0.0  
   
x2= 306.0869565217391  
y2= 166.95652173913044  
the distance between them is 336.51162775506987  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 0.0  
   
x2= 598.2608695652174  
y2= 0.0  
   
x2= 292.17391304347825  
y2= 166.95652173913044  
the distance between them is 348.6598702230725  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 626.0869565217391  
y1= 31.304347826086957  
   
x2= 626.0869565217391  
y2= 31.304347826086957  
   
x2= 347.82608695652175  
y2= 313.04347826086956  
the distance between them is 395.9874355952956  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 292.17391304347825  
y2= 177.3913043478261  
the distance between them is 348.6598702230725  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 292.17391304347825  
y2= 187.82608695652175  
the distance between them is 353.77521084858967  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 0.0  
y1= 0.0  
   
x2= 0.0  
y2= 0.0  
   
x2= 278.2608695652174  
y2= 156.52173913043478  
the distance between them is 319.2619087075795  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 250.43478260869566  
y1= 354.7826086956522  
   
x2= 250.43478260869566  
y2= 354.7826086956522  
   
x2= 306.0869565217391  
y2= 177.3913043478261  
the distance between them is 185.91621585937764  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 306.0869565217391  
y2= 166.95652173913044  
the distance between them is 331.458368854301  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 292.17391304347825  
y2= 156.52173913043478  
the distance between them is 339.16164850779563  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 236.52173913043478  
y1= 365.2173913043478  
   
x2= 236.52173913043478  
y2= 365.2173913043478  
   
x2= 306.0869565217391  
y2= 166.95652173913044  
the distance between them is 210.11114171184633  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 0.0  
   
x2= 598.2608695652174  
y2= 0.0  
   
x2= 292.17391304347825  
y2= 177.3913043478261  
the distance between them is 353.77521084858967  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 292.17391304347825  
y2= 156.52173913043478  
the distance between them is 339.16164850779563  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 292.17391304347825  
y2= 166.95652173913044  
the distance between them is 343.7852233199631  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 222.6086956521739  
y1= 323.4782608695652  
   
x2= 222.6086956521739  
y2= 323.4782608695652  
   
x2= 278.2608695652174  
y2= 156.52173913043478  
the distance between them is 175.98762630502281  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 278.2608695652174  
y2= 166.95652173913044  
the distance between them is 356.2289359673297  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 278.2608695652174  
y1= 313.04347826086956  
   
x2= 278.2608695652174  
y2= 313.04347826086956  
   
x2= 264.3478260869565  
y2= 187.82608695652175  
the distance between them is 125.98796713930318  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 306.0869565217391  
y2= 281.7391304347826  
the distance between them is 398.7124836426324  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 278.2608695652174  
y1= 281.7391304347826  
   
x2= 278.2608695652174  
y2= 281.7391304347826  
   
x2= 264.3478260869565  
y2= 166.95652173913044  
the distance between them is 115.62274879022374  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 278.2608695652174  
y2= 156.52173913043478  
the distance between them is 351.7689566544843  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 292.17391304347825  
y1= 292.17391304347825  
   
x2= 292.17391304347825  
y2= 292.17391304347825  
   
x2= 292.17391304347825  
y2= 146.08695652173913  
the distance between them is 146.08695652173913  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 306.0869565217391  
y1= 302.60869565217394  
   
x2= 306.0869565217391  
y2= 302.60869565217394  
   
x2= 292.17391304347825  
y2= 156.52173913043478  
the distance between them is 146.74798685028864  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 306.0869565217391  
y1= 302.60869565217394  
   
x2= 306.0869565217391  
y2= 302.60869565217394  
   
x2= 306.0869565217391  
y2= 156.52173913043478  
the distance between them is 146.08695652173915  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 306.0869565217391  
y1= 292.17391304347825  
   
x2= 306.0869565217391  
y2= 292.17391304347825  
   
x2= 306.0869565217391  
y2= 156.52173913043478  
the distance between them is 135.65217391304347  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 306.0869565217391  
y1= 281.7391304347826  
   
x2= 306.0869565217391  
y2= 281.7391304347826  
   
x2= 306.0869565217391  
y2= 156.52173913043478  
the distance between them is 125.21739130434784  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 306.0869565217391  
y1= 281.7391304347826  
   
x2= 306.0869565217391  
y2= 281.7391304347826  
   
x2= 306.0869565217391  
y2= 156.52173913043478  
the distance between them is 125.21739130434784  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 333.9130434782609  
y2= 156.52173913043478  
the distance between them is 302.02842916302484  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 389.5652173913044  
y2= 448.69565217391306  
the distance between them is 485.41370502732553  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 333.9130434782609  
y2= 448.69565217391306  
the distance between them is 511.8128202272393  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 347.82608695652175  
y2= 448.69565217391306  
the distance between them is 504.76744163260486  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 612.1739130434783  
y2= 448.69565217391306  
the distance between them is 438.48165591149706  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 584.4409863627317  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 306.0869565217391  
y2= 448.69565217391306  
the distance between them is 526.7240124156089  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 584.4409863627317  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 320.0  
y2= 229.56521739130434  
the distance between them is 354.18534551729556  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 13.91304347826087  
y2= 406.95652173913044  
the distance between them is 706.1811888287428  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 306.0869565217391  
y2= 250.43478260869566  
the distance between them is 378.10791510247174  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 333.9130434782609  
y2= 187.82608695652175  
the distance between them is 318.35113949085036  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 320.0  
y1= 344.3478260869565  
   
x2= 320.0  
y2= 344.3478260869565  
   
x2= 306.0869565217391  
y2= 146.08695652173913  
the distance between them is 198.7484469865969  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 584.4409863627317  
not detected  
not detected  
not detected  
not detected  
not detected  
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not detected  
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not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 320.0  
y2= 250.43478260869566  
the distance between them is 367.4630750581491  
not detected  
not detected  
not detected  
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not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 612.1739130434783  
y2= 448.69565217391306  
the distance between them is 438.48165591149706  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 584.4409863627317  
not detected  
not detected  
not detected  
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not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 584.4409863627317  
not detected  
not detected  
not detected  
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not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 584.4409863627317  
not detected  
not detected  
not detected  
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not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 584.4409863627317  
not detected  
not detected  
not detected  
not detected  
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not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 612.1739130434783  
y2= 448.69565217391306  
the distance between them is 438.48165591149706  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 153.04347826086956  
y2= 427.82608695652175  
the distance between them is 610.2737307676191  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 153.04347826086956  
y2= 427.82608695652175  
the distance between them is 610.2737307676191  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 153.04347826086956  
y2= 427.82608695652175  
the distance between them is 610.2737307676191  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 306.0869565217391  
y1= 365.2173913043478  
   
x2= 306.0869565217391  
y2= 365.2173913043478  
   
x2= 292.17391304347825  
y2= 177.3913043478261  
the distance between them is 188.34067993990791  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 306.0869565217391  
y1= 344.3478260869565  
   
x2= 306.0869565217391  
y2= 344.3478260869565  
   
x2= 153.04347826086956  
y2= 427.82608695652175  
the distance between them is 174.32993511153626  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 306.0869565217391  
y1= 333.9130434782609  
   
x2= 306.0869565217391  
y2= 333.9130434782609  
   
x2= 306.0869565217391  
y2= 166.95652173913044  
the distance between them is 166.95652173913044  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 320.0  
y1= 323.4782608695652  
   
x2= 320.0  
y2= 323.4782608695652  
   
x2= 153.04347826086956  
y2= 438.2608695652174  
the distance between them is 202.60682962380105  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 320.0  
y1= 323.4782608695652  
   
x2= 320.0  
y2= 323.4782608695652  
   
x2= 306.0869565217391  
y2= 166.95652173913044  
the distance between them is 157.13887997323846  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 306.0869565217391  
y2= 187.82608695652175  
the distance between them is 341.808821304192  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 306.0869565217391  
y2= 187.82608695652175  
the distance between them is 341.808821304192  
not detected  
not detected  
not detected  
not detected  
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not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 292.17391304347825  
y2= 156.52173913043478  
the distance between them is 339.16164850779563  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 584.4409863627317  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 278.2608695652174  
y1= 354.7826086956522  
   
x2= 278.2608695652174  
y2= 354.7826086956522  
   
x2= 264.3478260869565  
y2= 198.2608695652174  
the distance between them is 157.13887997323852  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 306.0869565217391  
y1= 344.3478260869565  
   
x2= 306.0869565217391  
y2= 344.3478260869565  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 451.598295827111  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 584.4409863627317  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 584.4409863627317  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 584.4409863627317  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 306.0869565217391  
y1= 344.3478260869565  
   
x2= 306.0869565217391  
y2= 344.3478260869565  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 451.598295827111  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 584.4409863627317  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 306.0869565217391  
y1= 365.2173913043478  
   
x2= 306.0869565217391  
y2= 365.2173913043478  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 467.7064660385733  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 306.0869565217391  
y1= 354.7826086956522  
   
x2= 306.0869565217391  
y2= 354.7826086956522  
   
x2= 292.17391304347825  
y2= 166.95652173913044  
the distance between them is 188.34067993990797  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 306.0869565217391  
y1= 354.7826086956522  
   
x2= 306.0869565217391  
y2= 354.7826086956522  
   
x2= 292.17391304347825  
y2= 177.3913043478261  
the distance between them is 177.93607739031182  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 306.0869565217391  
y1= 344.3478260869565  
   
x2= 306.0869565217391  
y2= 344.3478260869565  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 451.598295827111  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 320.0  
y1= 344.3478260869565  
   
x2= 320.0  
y2= 344.3478260869565  
   
x2= 292.17391304347825  
y2= 156.52173913043478  
the distance between them is 189.87609132460773  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 306.0869565217391  
y1= 333.9130434782609  
   
x2= 306.0869565217391  
y2= 333.9130434782609  
   
x2= 306.0869565217391  
y2= 146.08695652173913  
the distance between them is 187.82608695652175  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 306.0869565217391  
y1= 323.4782608695652  
   
x2= 306.0869565217391  
y2= 323.4782608695652  
   
x2= 320.0  
y2= 365.2173913043478  
the distance between them is 43.996906576255725  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 306.0869565217391  
y1= 313.04347826086956  
   
x2= 306.0869565217391  
y2= 313.04347826086956  
   
x2= 306.0869565217391  
y2= 177.3913043478261  
the distance between them is 135.65217391304347  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 584.4409863627317  
not detected  
not detected  
not detected  
not detected  
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not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 320.0  
y2= 156.52173913043478  
the distance between them is 314.277759946477  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 306.0869565217391  
y2= 135.65217391304347  
the distance between them is 317.8757470273631  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 306.0869565217391  
y2= 135.65217391304347  
the distance between them is 317.8757470273631  
not detected  
not detected  
not detected  
not detected  
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not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 292.17391304347825  
y2= 135.65217391304347  
the distance between them is 330.7092681462181  
not detected  
not detected  
not detected  
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not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 584.4409863627317  
not detected  
not detected  
not detected  
not detected  
not detected  
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not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 584.4409863627317  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 306.0869565217391  
y2= 177.3913043478261  
the distance between them is 336.51162775506987  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 306.0869565217391  
y2= 166.95652173913044  
the distance between them is 331.458368854301  
not detected  
not detected  
not detected  
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not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 306.0869565217391  
y2= 166.95652173913044  
the distance between them is 331.458368854301  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 292.17391304347825  
y2= 198.2608695652174  
the distance between them is 359.1209599760781  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 584.4409863627317  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 306.0869565217391  
y2= 166.95652173913044  
the distance between them is 331.458368854301  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 306.0869565217391  
y2= 156.52173913043478  
the distance between them is 326.6603654086649  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 320.0  
y2= 166.95652173913044  
the distance between them is 319.2619087075795  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 584.4409863627317  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 584.4409863627317  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 584.4409863627317  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 584.4409863627317  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 584.4409863627317  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 320.0  
y2= 156.52173913043478  
the distance between them is 314.277759946477  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 320.0  
y2= 125.21739130434783  
the distance between them is 301.00524711401647  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 333.9130434782609  
y2= 135.65217391304347  
the distance between them is 292.50498840526797  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 333.9130434782609  
y1= 240.0  
   
x2= 333.9130434782609  
y2= 240.0  
   
x2= 333.9130434782609  
y2= 114.78260869565217  
the distance between them is 125.21739130434783  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 347.82608695652175  
y1= 250.43478260869566  
   
x2= 347.82608695652175  
y2= 250.43478260869566  
   
x2= 320.0  
y2= 271.30434782608694  
the distance between them is 34.78260869565217  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 347.82608695652175  
y1= 260.8695652173913  
   
x2= 347.82608695652175  
y2= 260.8695652173913  
   
x2= 333.9130434782609  
y2= 260.8695652173913  
the distance between them is 13.913043478260875  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 333.9130434782609  
y2= 125.21739130434783  
the distance between them is 288.192332333598  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 347.82608695652175  
y2= 125.21739130434783  
the distance between them is 275.4861658944852  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 320.0  
y2= 135.65217391304347  
the distance between them is 305.1368653838095  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 333.9130434782609  
y2= 156.52173913043478  
the distance between them is 302.02842916302484  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 333.9130434782609  
y2= 135.65217391304347  
the distance between them is 292.50498840526797  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 333.9130434782609  
y2= 125.21739130434783  
the distance between them is 288.192332333598  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 584.4409863627317  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 306.0869565217391  
y2= 177.3913043478261  
the distance between them is 336.51162775506987  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 320.0  
y2= 187.82608695652175  
the distance between them is 329.9951308571294  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 584.4409863627317  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 584.4409863627317  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 584.4409863627317  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 333.9130434782609  
y2= 448.69565217391306  
the distance between them is 511.8128202272393  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 584.4409863627317  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 375.6521739130435  
y2= 459.1304347826087  
the distance between them is 500.881642366473  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 584.4409863627317  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 250.43478260869566  
y1= 333.9130434782609  
   
x2= 250.43478260869566  
y2= 333.9130434782609  
   
x2= 612.1739130434783  
y2= 448.69565217391306  
the distance between them is 379.513169398233  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 584.4409863627317  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 438.2608695652174  
   
x2= 598.2608695652174  
y2= 438.2608695652174  
   
x2= 375.6521739130435  
y2= 448.69565217391306  
the distance between them is 222.85312667327088  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 250.43478260869566  
y1= 333.9130434782609  
   
x2= 250.43478260869566  
y2= 333.9130434782609  
   
x2= 320.0  
y2= 313.04347826086956  
the distance between them is 72.62821919242121  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 347.82608695652175  
y1= 292.17391304347825  
   
x2= 347.82608695652175  
y2= 292.17391304347825  
   
x2= 320.0  
y2= 292.17391304347825  
the distance between them is 27.82608695652175  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 347.82608695652175  
y1= 281.7391304347826  
   
x2= 347.82608695652175  
y2= 281.7391304347826  
   
x2= 333.9130434782609  
y2= 135.65217391304347  
the distance between them is 146.74798685028864  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 347.82608695652175  
y1= 271.30434782608694  
   
x2= 347.82608695652175  
y2= 271.30434782608694  
   
x2= 333.9130434782609  
y2= 292.17391304347825  
the distance between them is 25.082095829314717  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 347.82608695652175  
y1= 271.30434782608694  
   
x2= 347.82608695652175  
y2= 271.30434782608694  
   
x2= 333.9130434782609  
y2= 135.65217391304347  
the distance between them is 136.36379675765326  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 347.82608695652175  
y1= 281.7391304347826  
   
x2= 347.82608695652175  
y2= 281.7391304347826  
   
x2= 361.7391304347826  
y2= 313.04347826086956  
the distance between them is 34.256896701899485  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 333.9130434782609  
y1= 281.7391304347826  
   
x2= 333.9130434782609  
y2= 281.7391304347826  
   
x2= 361.7391304347826  
y2= 302.60869565217394  
the distance between them is 34.782608695652186  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 347.82608695652175  
y1= 271.30434782608694  
   
x2= 347.82608695652175  
y2= 271.30434782608694  
   
x2= 361.7391304347826  
y2= 313.04347826086956  
the distance between them is 43.996906576255725  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 347.82608695652175  
y1= 271.30434782608694  
   
x2= 347.82608695652175  
y2= 271.30434782608694  
   
x2= 361.7391304347826  
y2= 313.04347826086956  
the distance between them is 43.996906576255725  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 347.82608695652175  
y1= 271.30434782608694  
   
x2= 347.82608695652175  
y2= 271.30434782608694  
   
x2= 347.82608695652175  
y2= 281.7391304347826  
the distance between them is 10.434782608695684  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 347.82608695652175  
y1= 271.30434782608694  
   
x2= 347.82608695652175  
y2= 271.30434782608694  
   
x2= 320.0  
y2= 260.8695652173913  
the distance between them is 29.71827389675663  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 347.82608695652175  
y1= 260.8695652173913  
   
x2= 347.82608695652175  
y2= 260.8695652173913  
   
x2= 347.82608695652175  
y2= 292.17391304347825  
the distance between them is 31.30434782608694  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 347.82608695652175  
y1= 250.43478260869566  
   
x2= 347.82608695652175  
y2= 250.43478260869566  
   
x2= 333.9130434782609  
y2= 260.8695652173913  
the distance between them is 17.391304347826093  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 389.5652173913044  
y1= 229.56521739130434  
   
x2= 389.5652173913044  
y2= 229.56521739130434  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 440.24396055086584  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 320.0  
y1= 125.21739130434783  
   
x2= 320.0  
y2= 125.21739130434783  
   
x2= 306.0869565217391  
y2= 448.69565217391306  
the distance between them is 323.7773278567023  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 347.82608695652175  
y2= 135.65217391304347  
the distance between them is 279.99459892171274  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 320.0  
y2= 125.21739130434783  
the distance between them is 301.00524711401647  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 306.0869565217391  
y2= 125.21739130434783  
the distance between them is 313.9118390919928  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 306.0869565217391  
y2= 114.78260869565217  
the distance between them is 310.24839124838616  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 292.17391304347825  
y2= 125.21739130434783  
the distance between them is 326.9010128643229  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 375.6521739130435  
y1= 219.1304347826087  
   
x2= 375.6521739130435  
y2= 219.1304347826087  
   
x2= 278.2608695652174  
y2= 125.21739130434783  
the distance between them is 135.2949588784468  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 292.17391304347825  
y2= 114.78260869565217  
the distance between them is 323.3847457160197  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 292.17391304347825  
y1= 260.8695652173913  
   
x2= 292.17391304347825  
y2= 260.8695652173913  
   
x2= 278.2608695652174  
y2= 135.65217391304347  
the distance between them is 125.98796713930321  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 626.0869565217391  
y1= 469.5652173913044  
   
x2= 626.0869565217391  
y2= 469.5652173913044  
   
x2= 278.2608695652174  
y2= 125.21739130434783  
the distance between them is 489.44704728734314  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 361.7391304347826  
y1= 229.56521739130434  
   
x2= 361.7391304347826  
y2= 229.56521739130434  
   
x2= 278.2608695652174  
y2= 125.21739130434783  
the distance between them is 133.63041886816382  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 278.2608695652174  
y2= 125.21739130434783  
the distance between them is 339.9633028121994  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 459.1304347826087  
   
x2= 598.2608695652174  
y2= 459.1304347826087  
   
x2= 292.17391304347825  
y2= 125.21739130434783  
the distance between them is 452.9758774566875  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 306.0869565217391  
y1= 93.91304347826087  
   
x2= 306.0869565217391  
y2= 93.91304347826087  
   
x2= 292.17391304347825  
y2= 125.21739130434783  
the distance between them is 34.25689670189949  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 320.0  
y1= 260.8695652173913  
   
x2= 320.0  
y2= 260.8695652173913  
   
x2= 306.0869565217391  
y2= 135.65217391304347  
the distance between them is 125.98796713930321  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 320.0  
y1= 250.43478260869566  
   
x2= 320.0  
y2= 250.43478260869566  
   
x2= 306.0869565217391  
y2= 146.08695652173913  
the distance between them is 105.27127617684562  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 264.3478260869565  
y1= 438.2608695652174  
   
x2= 264.3478260869565  
y2= 438.2608695652174  
   
x2= 320.0  
y2= 146.08695652173913  
the distance between them is 297.4268984547054  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 333.9130434782609  
y2= 125.21739130434783  
the distance between them is 288.192332333598  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 347.82608695652175  
y1= 240.0  
   
x2= 347.82608695652175  
y2= 240.0  
   
x2= 153.04347826086956  
y2= 386.0869565217391  
the distance between them is 243.47826086956522  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 347.82608695652175  
y1= 250.43478260869566  
   
x2= 347.82608695652175  
y2= 250.43478260869566  
   
x2= 347.82608695652175  
y2= 260.8695652173913  
the distance between them is 10.434782608695656  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 333.9130434782609  
y1= 250.43478260869566  
   
x2= 333.9130434782609  
y2= 250.43478260869566  
   
x2= 333.9130434782609  
y2= 281.7391304347826  
the distance between them is 31.304347826086968  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 333.9130434782609  
y1= 260.8695652173913  
   
x2= 333.9130434782609  
y2= 260.8695652173913  
   
x2= 347.82608695652175  
y2= 135.65217391304347  
the distance between them is 125.98796713930321  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 333.9130434782609  
y1= 271.30434782608694  
   
x2= 333.9130434782609  
y2= 271.30434782608694  
   
x2= 320.0  
y2= 146.08695652173913  
the distance between them is 125.98796713930318  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 347.82608695652175  
y1= 260.8695652173913  
   
x2= 347.82608695652175  
y2= 260.8695652173913  
   
x2= 333.9130434782609  
y2= 146.08695652173913  
the distance between them is 115.62274879022374  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 361.7391304347826  
y2= 146.08695652173913  
the distance between them is 272.6610448315271  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 361.7391304347826  
y2= 135.65217391304347  
the distance between them is 267.62273477107954  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 389.5652173913044  
y1= 219.1304347826087  
   
x2= 389.5652173913044  
y2= 219.1304347826087  
   
x2= 403.4782608695652  
y2= 417.39130434782606  
the distance between them is 198.7484469865969  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 389.5652173913044  
y2= 104.34782608695652  
the distance between them is 228.8526490378571  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 389.5652173913044  
y2= 62.608695652173914  
the distance between them is 215.11855438005182  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 403.4782608695652  
y1= 177.3913043478261  
   
x2= 403.4782608695652  
y2= 177.3913043478261  
   
x2= 375.6521739130435  
y2= 20.869565217391305  
the distance between them is 158.97592879341133  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 403.4782608695652  
y1= 177.3913043478261  
   
x2= 403.4782608695652  
y2= 177.3913043478261  
   
x2= 375.6521739130435  
y2= 31.304347826086957  
the distance between them is 148.71344922735267  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 403.4782608695652  
y1= 187.82608695652175  
   
x2= 403.4782608695652  
y2= 187.82608695652175  
   
x2= 417.39130434782606  
y2= 354.7826086956522  
the distance between them is 167.53522892232758  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 403.4782608695652  
y1= 187.82608695652175  
   
x2= 403.4782608695652  
y2= 187.82608695652175  
   
x2= 403.4782608695652  
y2= 31.304347826086957  
the distance between them is 156.52173913043478  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 403.4782608695652  
y1= 187.82608695652175  
   
x2= 403.4782608695652  
y2= 187.82608695652175  
   
x2= 417.39130434782606  
y2= 354.7826086956522  
the distance between them is 167.53522892232758  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 403.4782608695652  
y1= 187.82608695652175  
   
x2= 403.4782608695652  
y2= 187.82608695652175  
   
x2= 403.4782608695652  
y2= 52.17391304347826  
the distance between them is 135.6521739130435  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 403.4782608695652  
y1= 198.2608695652174  
   
x2= 403.4782608695652  
y2= 198.2608695652174  
   
x2= 403.4782608695652  
y2= 52.17391304347826  
the distance between them is 146.08695652173915  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 389.5652173913044  
y1= 208.69565217391303  
   
x2= 389.5652173913044  
y2= 208.69565217391303  
   
x2= 403.4782608695652  
y2= 83.47826086956522  
the distance between them is 125.98796713930317  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 389.5652173913044  
y1= 219.1304347826087  
   
x2= 389.5652173913044  
y2= 219.1304347826087  
   
x2= 375.6521739130435  
y2= 93.91304347826087  
the distance between them is 125.98796713930318  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 375.6521739130435  
y1= 219.1304347826087  
   
x2= 375.6521739130435  
y2= 219.1304347826087  
   
x2= 403.4782608695652  
y2= 406.95652173913044  
the distance between them is 189.87609132460773  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 375.6521739130435  
y1= 208.69565217391303  
   
x2= 375.6521739130435  
y2= 208.69565217391303  
   
x2= 403.4782608695652  
y2= 406.95652173913044  
the distance between them is 200.20405469437438  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 361.7391304347826  
y1= 219.1304347826087  
   
x2= 361.7391304347826  
y2= 219.1304347826087  
   
x2= 389.5652173913044  
y2= 406.95652173913044  
the distance between them is 189.87609132460776  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 361.7391304347826  
y1= 208.69565217391303  
   
x2= 361.7391304347826  
y2= 208.69565217391303  
   
x2= 403.4782608695652  
y2= 406.95652173913044  
the distance between them is 202.60682962380105  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 361.7391304347826  
y1= 219.1304347826087  
   
x2= 361.7391304347826  
y2= 219.1304347826087  
   
x2= 403.4782608695652  
y2= 417.39130434782606  
the distance between them is 202.60682962380102  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 361.7391304347826  
y1= 219.1304347826087  
   
x2= 361.7391304347826  
y2= 219.1304347826087  
   
x2= 389.5652173913044  
y2= 406.95652173913044  
the distance between them is 189.87609132460776  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 361.7391304347826  
y1= 229.56521739130434  
   
x2= 361.7391304347826  
y2= 229.56521739130434  
   
x2= 389.5652173913044  
y2= 417.39130434782606  
the distance between them is 189.87609132460773  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 375.6521739130435  
y1= 240.0  
   
x2= 375.6521739130435  
y2= 240.0  
   
x2= 389.5652173913044  
y2= 427.82608695652175  
the distance between them is 188.34067993990797  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 375.6521739130435  
y1= 250.43478260869566  
   
x2= 375.6521739130435  
y2= 250.43478260869566  
   
x2= 389.5652173913044  
y2= 417.39130434782606  
the distance between them is 167.53522892232755  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 375.6521739130435  
y1= 250.43478260869566  
   
x2= 375.6521739130435  
y2= 250.43478260869566  
   
x2= 389.5652173913044  
y2= 417.39130434782606  
the distance between them is 167.53522892232755  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 375.6521739130435  
y1= 260.8695652173913  
   
x2= 375.6521739130435  
y2= 260.8695652173913  
   
x2= 389.5652173913044  
y2= 417.39130434782606  
the distance between them is 157.13887997323846  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 375.6521739130435  
y1= 260.8695652173913  
   
x2= 375.6521739130435  
y2= 260.8695652173913  
   
x2= 403.4782608695652  
y2= 417.39130434782606  
the distance between them is 158.9759287934113  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 375.6521739130435  
y1= 250.43478260869566  
   
x2= 375.6521739130435  
y2= 250.43478260869566  
   
x2= 375.6521739130435  
y2= 375.6521739130435  
the distance between them is 125.21739130434784  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 375.6521739130435  
y1= 250.43478260869566  
   
x2= 375.6521739130435  
y2= 250.43478260869566  
   
x2= 361.7391304347826  
y2= 114.78260869565217  
the distance between them is 136.3637967576533  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 375.6521739130435  
y1= 229.56521739130434  
   
x2= 375.6521739130435  
y2= 229.56521739130434  
   
x2= 389.5652173913044  
y2= 396.5217391304348  
the distance between them is 167.53522892232763  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 375.6521739130435  
y1= 229.56521739130434  
   
x2= 375.6521739130435  
y2= 229.56521739130434  
   
x2= 375.6521739130435  
y2= 375.6521739130435  
the distance between them is 146.08695652173915  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 375.6521739130435  
y1= 229.56521739130434  
   
x2= 375.6521739130435  
y2= 229.56521739130434  
   
x2= 389.5652173913044  
y2= 396.5217391304348  
the distance between them is 167.53522892232763  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 375.6521739130435  
y1= 219.1304347826087  
   
x2= 375.6521739130435  
y2= 219.1304347826087  
   
x2= 389.5652173913044  
y2= 396.5217391304348  
the distance between them is 177.93607739031185  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 375.6521739130435  
y1= 219.1304347826087  
   
x2= 375.6521739130435  
y2= 219.1304347826087  
   
x2= 389.5652173913044  
y2= 386.0869565217391  
the distance between them is 167.53522892232758  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 375.6521739130435  
y1= 219.1304347826087  
   
x2= 375.6521739130435  
y2= 219.1304347826087  
   
x2= 375.6521739130435  
y2= 260.8695652173913  
the distance between them is 41.73913043478262  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 375.6521739130435  
y1= 219.1304347826087  
   
x2= 375.6521739130435  
y2= 219.1304347826087  
   
x2= 403.4782608695652  
y2= 406.95652173913044  
the distance between them is 189.87609132460773  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 375.6521739130435  
y1= 219.1304347826087  
   
x2= 375.6521739130435  
y2= 219.1304347826087  
   
x2= 403.4782608695652  
y2= 406.95652173913044  
the distance between them is 189.87609132460773  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 375.6521739130435  
y1= 208.69565217391303  
   
x2= 375.6521739130435  
y2= 208.69565217391303  
   
x2= 389.5652173913044  
y2= 396.5217391304348  
the distance between them is 188.34067993990797  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 375.6521739130435  
y1= 208.69565217391303  
   
x2= 375.6521739130435  
y2= 208.69565217391303  
   
x2= 389.5652173913044  
y2= 406.95652173913044  
the distance between them is 198.74844698659692  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 361.7391304347826  
y1= 219.1304347826087  
   
x2= 361.7391304347826  
y2= 219.1304347826087  
   
x2= 403.4782608695652  
y2= 406.95652173913044  
the distance between them is 192.40788432611245  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 375.6521739130435  
y1= 219.1304347826087  
   
x2= 375.6521739130435  
y2= 219.1304347826087  
   
x2= 403.4782608695652  
y2= 406.95652173913044  
the distance between them is 189.87609132460773  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 375.6521739130435  
y1= 240.0  
   
x2= 375.6521739130435  
y2= 240.0  
   
x2= 403.4782608695652  
y2= 417.39130434782606  
the distance between them is 179.56047998803902  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 375.6521739130435  
y1= 240.0  
   
x2= 375.6521739130435  
y2= 240.0  
   
x2= 403.4782608695652  
y2= 417.39130434782606  
the distance between them is 179.56047998803902  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 389.5652173913044  
y1= 250.43478260869566  
   
x2= 389.5652173913044  
y2= 250.43478260869566  
   
x2= 403.4782608695652  
y2= 417.39130434782606  
the distance between them is 167.53522892232755  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 389.5652173913044  
y1= 260.8695652173913  
   
x2= 389.5652173913044  
y2= 260.8695652173913  
   
x2= 403.4782608695652  
y2= 427.82608695652175  
the distance between them is 167.53522892232758  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 389.5652173913044  
y1= 271.30434782608694  
   
x2= 389.5652173913044  
y2= 271.30434782608694  
   
x2= 403.4782608695652  
y2= 427.82608695652175  
the distance between them is 157.13887997323852  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 389.5652173913044  
y1= 271.30434782608694  
   
x2= 389.5652173913044  
y2= 271.30434782608694  
   
x2= 403.4782608695652  
y2= 427.82608695652175  
the distance between them is 157.13887997323852  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 389.5652173913044  
y1= 260.8695652173913  
   
x2= 389.5652173913044  
y2= 260.8695652173913  
   
x2= 403.4782608695652  
y2= 427.82608695652175  
the distance between them is 167.53522892232758  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 389.5652173913044  
y1= 260.8695652173913  
   
x2= 389.5652173913044  
y2= 260.8695652173913  
   
x2= 417.39130434782606  
y2= 427.82608695652175  
the distance between them is 169.25947910395044  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 389.5652173913044  
y1= 250.43478260869566  
   
x2= 389.5652173913044  
y2= 250.43478260869566  
   
x2= 417.39130434782606  
y2= 427.82608695652175  
the distance between them is 179.56047998803905  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 389.5652173913044  
y1= 250.43478260869566  
   
x2= 389.5652173913044  
y2= 250.43478260869566  
   
x2= 417.39130434782606  
y2= 427.82608695652175  
the distance between them is 179.56047998803905  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 389.5652173913044  
y1= 250.43478260869566  
   
x2= 389.5652173913044  
y2= 250.43478260869566  
   
x2= 403.4782608695652  
y2= 427.82608695652175  
the distance between them is 177.93607739031182  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 389.5652173913044  
y1= 240.0  
   
x2= 389.5652173913044  
y2= 240.0  
   
x2= 403.4782608695652  
y2= 427.82608695652175  
the distance between them is 188.34067993990797  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 389.5652173913044  
y1= 240.0  
   
x2= 389.5652173913044  
y2= 240.0  
   
x2= 389.5652173913044  
y2= 427.82608695652175  
the distance between them is 187.82608695652175  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 389.5652173913044  
y1= 240.0  
   
x2= 389.5652173913044  
y2= 240.0  
   
x2= 403.4782608695652  
y2= 427.82608695652175  
the distance between them is 188.34067993990797  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 389.5652173913044  
y1= 260.8695652173913  
   
x2= 389.5652173913044  
y2= 260.8695652173913  
   
x2= 403.4782608695652  
y2= 427.82608695652175  
the distance between them is 167.53522892232758  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 389.5652173913044  
y1= 271.30434782608694  
   
x2= 389.5652173913044  
y2= 271.30434782608694  
   
x2= 417.39130434782606  
y2= 427.82608695652175  
the distance between them is 158.97592879341136  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 389.5652173913044  
y1= 281.7391304347826  
   
x2= 389.5652173913044  
y2= 281.7391304347826  
   
x2= 403.4782608695652  
y2= 427.82608695652175  
the distance between them is 146.74798685028858  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 389.5652173913044  
y1= 292.17391304347825  
   
x2= 389.5652173913044  
y2= 292.17391304347825  
   
x2= 403.4782608695652  
y2= 427.82608695652175  
the distance between them is 136.3637967576533  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 389.5652173913044  
y1= 292.17391304347825  
   
x2= 389.5652173913044  
y2= 292.17391304347825  
   
x2= 417.39130434782606  
y2= 427.82608695652175  
the distance between them is 138.47672512970004  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 389.5652173913044  
y1= 292.17391304347825  
   
x2= 389.5652173913044  
y2= 292.17391304347825  
   
x2= 389.5652173913044  
y2= 427.82608695652175  
the distance between them is 135.6521739130435  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 389.5652173913044  
y1= 292.17391304347825  
   
x2= 389.5652173913044  
y2= 292.17391304347825  
   
x2= 375.6521739130435  
y2= 177.3913043478261  
the distance between them is 115.62274879022372  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 389.5652173913044  
y1= 292.17391304347825  
   
x2= 389.5652173913044  
y2= 292.17391304347825  
   
x2= 389.5652173913044  
y2= 427.82608695652175  
the distance between them is 135.6521739130435  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 389.5652173913044  
y1= 302.60869565217394  
   
x2= 389.5652173913044  
y2= 302.60869565217394  
   
x2= 403.4782608695652  
y2= 427.82608695652175  
the distance between them is 125.98796713930317  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 389.5652173913044  
y1= 302.60869565217394  
   
x2= 389.5652173913044  
y2= 302.60869565217394  
   
x2= 403.4782608695652  
y2= 427.82608695652175  
the distance between them is 125.98796713930317  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 389.5652173913044  
y1= 302.60869565217394  
   
x2= 389.5652173913044  
y2= 302.60869565217394  
   
x2= 403.4782608695652  
y2= 427.82608695652175  
the distance between them is 125.98796713930317  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 389.5652173913044  
y1= 302.60869565217394  
   
x2= 389.5652173913044  
y2= 302.60869565217394  
   
x2= 403.4782608695652  
y2= 427.82608695652175  
the distance between them is 125.98796713930317  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 403.4782608695652  
y1= 281.7391304347826  
   
x2= 403.4782608695652  
y2= 281.7391304347826  
   
x2= 403.4782608695652  
y2= 427.82608695652175  
the distance between them is 146.08695652173913  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 389.5652173913044  
y1= 271.30434782608694  
   
x2= 389.5652173913044  
y2= 271.30434782608694  
   
x2= 403.4782608695652  
y2= 427.82608695652175  
the distance between them is 157.13887997323852  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 389.5652173913044  
y1= 250.43478260869566  
   
x2= 389.5652173913044  
y2= 250.43478260869566  
   
x2= 403.4782608695652  
y2= 427.82608695652175  
the distance between them is 177.93607739031182  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 389.5652173913044  
y1= 229.56521739130434  
   
x2= 389.5652173913044  
y2= 229.56521739130434  
   
x2= 403.4782608695652  
y2= 427.82608695652175  
the distance between them is 198.74844698659692  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 389.5652173913044  
y1= 229.56521739130434  
   
x2= 389.5652173913044  
y2= 229.56521739130434  
   
x2= 403.4782608695652  
y2= 427.82608695652175  
the distance between them is 198.74844698659692  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 389.5652173913044  
y1= 229.56521739130434  
   
x2= 389.5652173913044  
y2= 229.56521739130434  
   
x2= 417.39130434782606  
y2= 427.82608695652175  
the distance between them is 200.20405469437438  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 389.5652173913044  
y1= 229.56521739130434  
   
x2= 389.5652173913044  
y2= 229.56521739130434  
   
x2= 417.39130434782606  
y2= 427.82608695652175  
the distance between them is 200.20405469437438  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 389.5652173913044  
y1= 229.56521739130434  
   
x2= 389.5652173913044  
y2= 229.56521739130434  
   
x2= 403.4782608695652  
y2= 427.82608695652175  
the distance between them is 198.74844698659692  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 389.5652173913044  
y1= 229.56521739130434  
   
x2= 389.5652173913044  
y2= 229.56521739130434  
   
x2= 417.39130434782606  
y2= 427.82608695652175  
the distance between them is 200.20405469437438  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 389.5652173913044  
y1= 229.56521739130434  
   
x2= 389.5652173913044  
y2= 229.56521739130434  
   
x2= 417.39130434782606  
y2= 427.82608695652175  
the distance between them is 200.20405469437438  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 389.5652173913044  
y1= 229.56521739130434  
   
x2= 389.5652173913044  
y2= 229.56521739130434  
   
x2= 417.39130434782606  
y2= 427.82608695652175  
the distance between them is 200.20405469437438  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 389.5652173913044  
y1= 240.0  
   
x2= 389.5652173913044  
y2= 240.0  
   
x2= 389.5652173913044  
y2= 427.82608695652175  
the distance between them is 187.82608695652175  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 389.5652173913044  
y1= 240.0  
   
x2= 389.5652173913044  
y2= 240.0  
   
x2= 403.4782608695652  
y2= 427.82608695652175  
the distance between them is 188.34067993990797  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 389.5652173913044  
y1= 240.0  
   
x2= 389.5652173913044  
y2= 240.0  
   
x2= 403.4782608695652  
y2= 427.82608695652175  
the distance between them is 188.34067993990797  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 389.5652173913044  
y1= 250.43478260869566  
   
x2= 389.5652173913044  
y2= 250.43478260869566  
   
x2= 375.6521739130435  
y2= 146.08695652173913  
the distance between them is 105.27127617684562  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 375.6521739130435  
y1= 260.8695652173913  
   
x2= 375.6521739130435  
y2= 260.8695652173913  
   
x2= 389.5652173913044  
y2= 427.82608695652175  
the distance between them is 167.53522892232758  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 375.6521739130435  
y1= 271.30434782608694  
   
x2= 375.6521739130435  
y2= 271.30434782608694  
   
x2= 389.5652173913044  
y2= 427.82608695652175  
the distance between them is 157.13887997323852  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 375.6521739130435  
y1= 260.8695652173913  
   
x2= 375.6521739130435  
y2= 260.8695652173913  
   
x2= 389.5652173913044  
y2= 427.82608695652175  
the distance between them is 167.53522892232758  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 375.6521739130435  
y2= 177.3913043478261  
the distance between them is 278.2608695652174  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 347.82608695652175  
y2= 208.69565217391303  
the distance between them is 319.4134510959436  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 333.9130434782609  
y2= 187.82608695652175  
the distance between them is 318.35113949085036  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 320.0  
y1= 260.8695652173913  
   
x2= 320.0  
y2= 260.8695652173913  
   
x2= 333.9130434782609  
y2= 135.65217391304347  
the distance between them is 125.98796713930321  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 306.0869565217391  
y1= 240.0  
   
x2= 306.0869565217391  
y2= 240.0  
   
x2= 347.82608695652175  
y2= 417.39130434782606  
the distance between them is 182.23564379032675  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 306.0869565217391  
y1= 240.0  
   
x2= 306.0869565217391  
y2= 240.0  
   
x2= 361.7391304347826  
y2= 406.95652173913044  
the distance between them is 175.98762630502287  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 320.0  
y1= 240.0  
   
x2= 320.0  
y2= 240.0  
   
x2= 333.9130434782609  
y2= 240.0  
the distance between them is 13.913043478260875  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 320.0  
y1= 229.56521739130434  
   
x2= 320.0  
y2= 229.56521739130434  
   
x2= 375.6521739130435  
y2= 386.0869565217391  
the distance between them is 166.1210982436112  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 347.82608695652175  
y1= 208.69565217391303  
   
x2= 347.82608695652175  
y2= 208.69565217391303  
   
x2= 375.6521739130435  
y2= 354.7826086956522  
the distance between them is 148.71344922735273  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 361.7391304347826  
y1= 198.2608695652174  
   
x2= 361.7391304347826  
y2= 198.2608695652174  
   
x2= 375.6521739130435  
y2= 354.7826086956522  
the distance between them is 157.13887997323852  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 375.6521739130435  
y1= 187.82608695652175  
   
x2= 375.6521739130435  
y2= 187.82608695652175  
   
x2= 375.6521739130435  
y2= 344.3478260869565  
the distance between them is 156.52173913043475  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 375.6521739130435  
y1= 177.3913043478261  
   
x2= 375.6521739130435  
y2= 177.3913043478261  
   
x2= 375.6521739130435  
y2= 333.9130434782609  
the distance between them is 156.52173913043478  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 375.6521739130435  
y1= 187.82608695652175  
   
x2= 375.6521739130435  
y2= 187.82608695652175  
   
x2= 375.6521739130435  
y2= 344.3478260869565  
the distance between them is 156.52173913043475  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 375.6521739130435  
y1= 198.2608695652174  
   
x2= 375.6521739130435  
y2= 198.2608695652174  
   
x2= 375.6521739130435  
y2= 354.7826086956522  
the distance between them is 156.52173913043478  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 375.6521739130435  
y1= 219.1304347826087  
   
x2= 375.6521739130435  
y2= 219.1304347826087  
   
x2= 375.6521739130435  
y2= 365.2173913043478  
the distance between them is 146.08695652173913  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 375.6521739130435  
y1= 208.69565217391303  
   
x2= 375.6521739130435  
y2= 208.69565217391303  
   
x2= 375.6521739130435  
y2= 365.2173913043478  
the distance between them is 156.52173913043478  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 375.6521739130435  
y1= 219.1304347826087  
   
x2= 375.6521739130435  
y2= 219.1304347826087  
   
x2= 375.6521739130435  
y2= 365.2173913043478  
the distance between them is 146.08695652173913  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 375.6521739130435  
y1= 219.1304347826087  
   
x2= 375.6521739130435  
y2= 219.1304347826087  
   
x2= 375.6521739130435  
y2= 365.2173913043478  
the distance between them is 146.08695652173913  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 375.6521739130435  
y1= 219.1304347826087  
   
x2= 375.6521739130435  
y2= 219.1304347826087  
   
x2= 375.6521739130435  
y2= 365.2173913043478  
the distance between them is 146.08695652173913  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 375.6521739130435  
y1= 219.1304347826087  
   
x2= 375.6521739130435  
y2= 219.1304347826087  
   
x2= 375.6521739130435  
y2= 365.2173913043478  
the distance between them is 146.08695652173913  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 375.6521739130435  
y1= 219.1304347826087  
   
x2= 375.6521739130435  
y2= 219.1304347826087  
   
x2= 375.6521739130435  
y2= 365.2173913043478  
the distance between them is 146.08695652173913  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 375.6521739130435  
y1= 219.1304347826087  
   
x2= 375.6521739130435  
y2= 219.1304347826087  
   
x2= 375.6521739130435  
y2= 365.2173913043478  
the distance between them is 146.08695652173913  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 375.6521739130435  
y1= 219.1304347826087  
   
x2= 375.6521739130435  
y2= 219.1304347826087  
   
x2= 375.6521739130435  
y2= 365.2173913043478  
the distance between them is 146.08695652173913  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 375.6521739130435  
y1= 219.1304347826087  
   
x2= 375.6521739130435  
y2= 219.1304347826087  
   
x2= 375.6521739130435  
y2= 365.2173913043478  
the distance between them is 146.08695652173913  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 375.6521739130435  
y1= 208.69565217391303  
   
x2= 375.6521739130435  
y2= 208.69565217391303  
   
x2= 375.6521739130435  
y2= 354.7826086956522  
the distance between them is 146.08695652173915  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 375.6521739130435  
y1= 208.69565217391303  
   
x2= 375.6521739130435  
y2= 208.69565217391303  
   
x2= 375.6521739130435  
y2= 354.7826086956522  
the distance between them is 146.08695652173915  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 375.6521739130435  
y1= 208.69565217391303  
   
x2= 375.6521739130435  
y2= 208.69565217391303  
   
x2= 375.6521739130435  
y2= 354.7826086956522  
the distance between them is 146.08695652173915  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 375.6521739130435  
y1= 219.1304347826087  
   
x2= 375.6521739130435  
y2= 219.1304347826087  
   
x2= 375.6521739130435  
y2= 354.7826086956522  
the distance between them is 135.6521739130435  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 375.6521739130435  
y1= 219.1304347826087  
   
x2= 375.6521739130435  
y2= 219.1304347826087  
   
x2= 375.6521739130435  
y2= 354.7826086956522  
the distance between them is 135.6521739130435  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 375.6521739130435  
y1= 229.56521739130434  
   
x2= 375.6521739130435  
y2= 229.56521739130434  
   
x2= 375.6521739130435  
y2= 354.7826086956522  
the distance between them is 125.21739130434784  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 375.6521739130435  
y1= 240.0  
   
x2= 375.6521739130435  
y2= 240.0  
   
x2= 375.6521739130435  
y2= 354.7826086956522  
the distance between them is 114.78260869565219  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 375.6521739130435  
y1= 240.0  
   
x2= 375.6521739130435  
y2= 240.0  
   
x2= 375.6521739130435  
y2= 344.3478260869565  
the distance between them is 104.3478260869565  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 375.6521739130435  
y1= 240.0  
   
x2= 375.6521739130435  
y2= 240.0  
   
x2= 375.6521739130435  
y2= 354.7826086956522  
the distance between them is 114.78260869565219  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 375.6521739130435  
y1= 240.0  
   
x2= 375.6521739130435  
y2= 240.0  
   
x2= 375.6521739130435  
y2= 354.7826086956522  
the distance between them is 114.78260869565219  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 375.6521739130435  
y1= 240.0  
   
x2= 375.6521739130435  
y2= 240.0  
   
x2= 375.6521739130435  
y2= 354.7826086956522  
the distance between them is 114.78260869565219  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 375.6521739130435  
y1= 240.0  
   
x2= 375.6521739130435  
y2= 240.0  
   
x2= 375.6521739130435  
y2= 344.3478260869565  
the distance between them is 104.3478260869565  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 375.6521739130435  
y1= 240.0  
   
x2= 375.6521739130435  
y2= 240.0  
   
x2= 375.6521739130435  
y2= 354.7826086956522  
the distance between them is 114.78260869565219  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 375.6521739130435  
y1= 240.0  
   
x2= 375.6521739130435  
y2= 240.0  
   
x2= 375.6521739130435  
y2= 354.7826086956522  
the distance between them is 114.78260869565219  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 375.6521739130435  
y1= 250.43478260869566  
   
x2= 375.6521739130435  
y2= 250.43478260869566  
   
x2= 375.6521739130435  
y2= 344.3478260869565  
the distance between them is 93.91304347826085  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 375.6521739130435  
y1= 271.30434782608694  
   
x2= 375.6521739130435  
y2= 271.30434782608694  
   
x2= 375.6521739130435  
y2= 344.3478260869565  
the distance between them is 73.04347826086956  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 389.5652173913044  
y1= 271.30434782608694  
   
x2= 389.5652173913044  
y2= 271.30434782608694  
   
x2= 375.6521739130435  
y2= 344.3478260869565  
the distance between them is 74.35672461367635  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 389.5652173913044  
y1= 281.7391304347826  
   
x2= 389.5652173913044  
y2= 281.7391304347826  
   
x2= 375.6521739130435  
y2= 344.3478260869565  
the distance between them is 64.13596144203744  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 389.5652173913044  
y1= 281.7391304347826  
   
x2= 389.5652173913044  
y2= 281.7391304347826  
   
x2= 375.6521739130435  
y2= 344.3478260869565  
the distance between them is 64.13596144203744  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 389.5652173913044  
y1= 281.7391304347826  
   
x2= 389.5652173913044  
y2= 281.7391304347826  
   
x2= 375.6521739130435  
y2= 344.3478260869565  
the distance between them is 64.13596144203744  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 389.5652173913044  
y1= 292.17391304347825  
   
x2= 389.5652173913044  
y2= 292.17391304347825  
   
x2= 375.6521739130435  
y2= 344.3478260869565  
the distance between them is 53.997129378295725  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 389.5652173913044  
y1= 292.17391304347825  
   
x2= 389.5652173913044  
y2= 292.17391304347825  
   
x2= 375.6521739130435  
y2= 344.3478260869565  
the distance between them is 53.997129378295725  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 389.5652173913044  
y1= 292.17391304347825  
   
x2= 389.5652173913044  
y2= 292.17391304347825  
   
x2= 375.6521739130435  
y2= 344.3478260869565  
the distance between them is 53.997129378295725  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 389.5652173913044  
y1= 292.17391304347825  
   
x2= 389.5652173913044  
y2= 292.17391304347825  
   
x2= 375.6521739130435  
y2= 344.3478260869565  
the distance between them is 53.997129378295725  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 389.5652173913044  
y1= 292.17391304347825  
   
x2= 389.5652173913044  
y2= 292.17391304347825  
   
x2= 375.6521739130435  
y2= 344.3478260869565  
the distance between them is 53.997129378295725  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 389.5652173913044  
y1= 302.60869565217394  
   
x2= 389.5652173913044  
y2= 302.60869565217394  
   
x2= 375.6521739130435  
y2= 344.3478260869565  
the distance between them is 43.996906576255675  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 389.5652173913044  
y1= 302.60869565217394  
   
x2= 389.5652173913044  
y2= 302.60869565217394  
   
x2= 375.6521739130435  
y2= 344.3478260869565  
the distance between them is 43.996906576255675  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 389.5652173913044  
y1= 302.60869565217394  
   
x2= 389.5652173913044  
y2= 302.60869565217394  
   
x2= 375.6521739130435  
y2= 344.3478260869565  
the distance between them is 43.996906576255675  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 389.5652173913044  
y1= 292.17391304347825  
   
x2= 389.5652173913044  
y2= 292.17391304347825  
   
x2= 389.5652173913044  
y2= 344.3478260869565  
the distance between them is 52.17391304347825  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 389.5652173913044  
y1= 302.60869565217394  
   
x2= 389.5652173913044  
y2= 302.60869565217394  
   
x2= 389.5652173913044  
y2= 344.3478260869565  
the distance between them is 41.73913043478257  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 389.5652173913044  
y1= 302.60869565217394  
   
x2= 389.5652173913044  
y2= 302.60869565217394  
   
x2= 375.6521739130435  
y2= 344.3478260869565  
the distance between them is 43.996906576255675  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 389.5652173913044  
y1= 302.60869565217394  
   
x2= 389.5652173913044  
y2= 302.60869565217394  
   
x2= 375.6521739130435  
y2= 354.7826086956522  
the distance between them is 53.997129378295725  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 389.5652173913044  
y1= 302.60869565217394  
   
x2= 389.5652173913044  
y2= 302.60869565217394  
   
x2= 389.5652173913044  
y2= 344.3478260869565  
the distance between them is 41.73913043478257  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 389.5652173913044  
y1= 313.04347826086956  
   
x2= 389.5652173913044  
y2= 313.04347826086956  
   
x2= 389.5652173913044  
y2= 344.3478260869565  
the distance between them is 31.30434782608694  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 389.5652173913044  
y1= 313.04347826086956  
   
x2= 389.5652173913044  
y2= 313.04347826086956  
   
x2= 389.5652173913044  
y2= 344.3478260869565  
the distance between them is 31.30434782608694  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 375.6521739130435  
y1= 313.04347826086956  
   
x2= 375.6521739130435  
y2= 313.04347826086956  
   
x2= 389.5652173913044  
y2= 344.3478260869565  
the distance between them is 34.256896701899485  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 389.5652173913044  
y1= 302.60869565217394  
   
x2= 389.5652173913044  
y2= 302.60869565217394  
   
x2= 389.5652173913044  
y2= 333.9130434782609  
the distance between them is 31.30434782608694  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 626.0869565217391  
y1= 469.5652173913044  
   
x2= 626.0869565217391  
y2= 469.5652173913044  
   
x2= 375.6521739130435  
y2= 344.3478260869565  
the distance between them is 279.9945989217128  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 389.5652173913044  
y1= 292.17391304347825  
   
x2= 389.5652173913044  
y2= 292.17391304347825  
   
x2= 375.6521739130435  
y2= 344.3478260869565  
the distance between them is 53.997129378295725  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 389.5652173913044  
y1= 271.30434782608694  
   
x2= 389.5652173913044  
y2= 271.30434782608694  
   
x2= 389.5652173913044  
y2= 344.3478260869565  
the distance between them is 73.04347826086956  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 389.5652173913044  
y1= 250.43478260869566  
   
x2= 389.5652173913044  
y2= 250.43478260869566  
   
x2= 389.5652173913044  
y2= 354.7826086956522  
the distance between them is 104.34782608695653  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 389.5652173913044  
y1= 229.56521739130434  
   
x2= 389.5652173913044  
y2= 229.56521739130434  
   
x2= 389.5652173913044  
y2= 354.7826086956522  
the distance between them is 125.21739130434784  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 375.6521739130435  
y1= 208.69565217391303  
   
x2= 375.6521739130435  
y2= 208.69565217391303  
   
x2= 389.5652173913044  
y2= 354.7826086956522  
the distance between them is 146.74798685028864  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 375.6521739130435  
y1= 198.2608695652174  
   
x2= 375.6521739130435  
y2= 198.2608695652174  
   
x2= 375.6521739130435  
y2= 354.7826086956522  
the distance between them is 156.52173913043478  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 375.6521739130435  
y1= 187.82608695652175  
   
x2= 375.6521739130435  
y2= 187.82608695652175  
   
x2= 375.6521739130435  
y2= 354.7826086956522  
the distance between them is 166.95652173913044  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 375.6521739130435  
y1= 177.3913043478261  
   
x2= 375.6521739130435  
y2= 177.3913043478261  
   
x2= 375.6521739130435  
y2= 354.7826086956522  
the distance between them is 177.3913043478261  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 375.6521739130435  
y1= 177.3913043478261  
   
x2= 375.6521739130435  
y2= 177.3913043478261  
   
x2= 375.6521739130435  
y2= 354.7826086956522  
the distance between them is 177.3913043478261  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 361.7391304347826  
y1= 187.82608695652175  
   
x2= 361.7391304347826  
y2= 187.82608695652175  
   
x2= 375.6521739130435  
y2= 354.7826086956522  
the distance between them is 167.53522892232758  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 375.6521739130435  
y1= 177.3913043478261  
   
x2= 375.6521739130435  
y2= 177.3913043478261  
   
x2= 389.5652173913044  
y2= 354.7826086956522  
the distance between them is 177.93607739031182  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 375.6521739130435  
y1= 177.3913043478261  
   
x2= 375.6521739130435  
y2= 177.3913043478261  
   
x2= 375.6521739130435  
y2= 344.3478260869565  
the distance between them is 166.9565217391304  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 375.6521739130435  
y1= 177.3913043478261  
   
x2= 375.6521739130435  
y2= 177.3913043478261  
   
x2= 375.6521739130435  
y2= 354.7826086956522  
the distance between them is 177.3913043478261  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 361.7391304347826  
y1= 177.3913043478261  
   
x2= 361.7391304347826  
y2= 177.3913043478261  
   
x2= 375.6521739130435  
y2= 354.7826086956522  
the distance between them is 177.93607739031182  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 361.7391304347826  
y1= 166.95652173913044  
   
x2= 361.7391304347826  
y2= 166.95652173913044  
   
x2= 389.5652173913044  
y2= 354.7826086956522  
the distance between them is 189.87609132460776  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 375.6521739130435  
y1= 156.52173913043478  
   
x2= 375.6521739130435  
y2= 156.52173913043478  
   
x2= 375.6521739130435  
y2= 354.7826086956522  
the distance between them is 198.2608695652174  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 375.6521739130435  
y1= 146.08695652173913  
   
x2= 375.6521739130435  
y2= 146.08695652173913  
   
x2= 375.6521739130435  
y2= 344.3478260869565  
the distance between them is 198.26086956521738  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 375.6521739130435  
y1= 156.52173913043478  
   
x2= 375.6521739130435  
y2= 156.52173913043478  
   
x2= 375.6521739130435  
y2= 344.3478260869565  
the distance between them is 187.82608695652172  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 389.5652173913044  
y1= 156.52173913043478  
   
x2= 389.5652173913044  
y2= 156.52173913043478  
   
x2= 375.6521739130435  
y2= 354.7826086956522  
the distance between them is 198.74844698659692  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 389.5652173913044  
y1= 166.95652173913044  
   
x2= 389.5652173913044  
y2= 166.95652173913044  
   
x2= 375.6521739130435  
y2= 354.7826086956522  
the distance between them is 188.34067993990797  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 389.5652173913044  
y1= 177.3913043478261  
   
x2= 389.5652173913044  
y2= 177.3913043478261  
   
x2= 389.5652173913044  
y2= 365.2173913043478  
the distance between them is 187.82608695652172  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 389.5652173913044  
y1= 187.82608695652175  
   
x2= 389.5652173913044  
y2= 187.82608695652175  
   
x2= 389.5652173913044  
y2= 354.7826086956522  
the distance between them is 166.95652173913044  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 389.5652173913044  
y1= 177.3913043478261  
   
x2= 389.5652173913044  
y2= 177.3913043478261  
   
x2= 403.4782608695652  
y2= 73.04347826086956  
the distance between them is 105.2712761768456  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 403.4782608695652  
y1= 177.3913043478261  
   
x2= 403.4782608695652  
y2= 177.3913043478261  
   
x2= 389.5652173913044  
y2= 41.73913043478261  
the distance between them is 136.3637967576533  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 403.4782608695652  
y1= 187.82608695652175  
   
x2= 403.4782608695652  
y2= 187.82608695652175  
   
x2= 389.5652173913044  
y2= 41.73913043478261  
the distance between them is 146.74798685028858  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 389.5652173913044  
y1= 198.2608695652174  
   
x2= 389.5652173913044  
y2= 198.2608695652174  
   
x2= 153.04347826086956  
y2= 354.7826086956522  
the distance between them is 283.62226270464265  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 389.5652173913044  
y1= 208.69565217391303  
   
x2= 389.5652173913044  
y2= 208.69565217391303  
   
x2= 403.4782608695652  
y2= 396.5217391304348  
the distance between them is 188.34067993990797  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 375.6521739130435  
y1= 219.1304347826087  
   
x2= 375.6521739130435  
y2= 219.1304347826087  
   
x2= 375.6521739130435  
y2= 83.47826086956522  
the distance between them is 135.65217391304347  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 375.6521739130435  
y1= 229.56521739130434  
   
x2= 375.6521739130435  
y2= 229.56521739130434  
   
x2= 612.1739130434783  
y2= 448.69565217391306  
the distance between them is 322.42934191742006  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 375.6521739130435  
y1= 240.0  
   
x2= 375.6521739130435  
y2= 240.0  
   
x2= 403.4782608695652  
y2= 260.8695652173913  
the distance between them is 34.782608695652144  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 389.5652173913044  
y2= 114.78260869565217  
the distance between them is 233.32883243476064  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 361.7391304347826  
y1= 198.2608695652174  
   
x2= 361.7391304347826  
y2= 198.2608695652174  
   
x2= 375.6521739130435  
y2= 396.5217391304348  
the distance between them is 198.74844698659692  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 361.7391304347826  
y1= 198.2608695652174  
   
x2= 361.7391304347826  
y2= 198.2608695652174  
   
x2= 333.9130434782609  
y2= 104.34782608695652  
the distance between them is 97.94871541098244  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 347.82608695652175  
y1= 208.69565217391303  
   
x2= 347.82608695652175  
y2= 208.69565217391303  
   
x2= 375.6521739130435  
y2= 396.5217391304348  
the distance between them is 189.87609132460778  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 361.7391304347826  
y1= 208.69565217391303  
   
x2= 361.7391304347826  
y2= 208.69565217391303  
   
x2= 375.6521739130435  
y2= 417.39130434782606  
the distance between them is 209.15890613388393  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 361.7391304347826  
y1= 219.1304347826087  
   
x2= 361.7391304347826  
y2= 219.1304347826087  
   
x2= 375.6521739130435  
y2= 406.95652173913044  
the distance between them is 188.34067993990797  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 389.5652173913044  
y1= 240.0  
   
x2= 389.5652173913044  
y2= 240.0  
   
x2= 389.5652173913044  
y2= 417.39130434782606  
the distance between them is 177.39130434782606  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 389.5652173913044  
y1= 250.43478260869566  
   
x2= 389.5652173913044  
y2= 250.43478260869566  
   
x2= 361.7391304347826  
y2= 406.95652173913044  
the distance between them is 158.97592879341133  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 389.5652173913044  
y1= 240.0  
   
x2= 389.5652173913044  
y2= 240.0  
   
x2= 375.6521739130435  
y2= 271.30434782608694  
the distance between them is 34.256896701899485  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 375.6521739130435  
y2= 104.34782608695652  
the distance between them is 241.60772155564874  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 361.7391304347826  
y1= 208.69565217391303  
   
x2= 361.7391304347826  
y2= 208.69565217391303  
   
x2= 361.7391304347826  
y2= 93.91304347826087  
the distance between them is 114.78260869565216  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 333.9130434782609  
y1= 219.1304347826087  
   
x2= 333.9130434782609  
y2= 219.1304347826087  
   
x2= 333.9130434782609  
y2= 114.78260869565217  
the distance between them is 104.34782608695652  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 333.9130434782609  
y1= 229.56521739130434  
   
x2= 333.9130434782609  
y2= 229.56521739130434  
   
x2= 333.9130434782609  
y2= 114.78260869565217  
the distance between them is 114.78260869565217  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 333.9130434782609  
y1= 240.0  
   
x2= 333.9130434782609  
y2= 240.0  
   
x2= 333.9130434782609  
y2= 114.78260869565217  
the distance between them is 125.21739130434783  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 347.82608695652175  
y1= 260.8695652173913  
   
x2= 347.82608695652175  
y2= 260.8695652173913  
   
x2= 347.82608695652175  
y2= 125.21739130434783  
the distance between them is 135.6521739130435  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 361.7391304347826  
y1= 260.8695652173913  
   
x2= 361.7391304347826  
y2= 260.8695652173913  
   
x2= 361.7391304347826  
y2= 125.21739130434783  
the distance between them is 135.6521739130435  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 361.7391304347826  
y1= 260.8695652173913  
   
x2= 361.7391304347826  
y2= 260.8695652173913  
   
x2= 375.6521739130435  
y2= 114.78260869565217  
the distance between them is 146.74798685028858  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 361.7391304347826  
y1= 250.43478260869566  
   
x2= 361.7391304347826  
y2= 250.43478260869566  
   
x2= 389.5652173913044  
y2= 271.30434782608694  
the distance between them is 34.78260869565217  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 361.7391304347826  
y1= 250.43478260869566  
   
x2= 361.7391304347826  
y2= 250.43478260869566  
   
x2= 361.7391304347826  
y2= 104.34782608695652  
the distance between them is 146.08695652173913  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 375.6521739130435  
y1= 250.43478260869566  
   
x2= 375.6521739130435  
y2= 250.43478260869566  
   
x2= 361.7391304347826  
y2= 104.34782608695652  
the distance between them is 146.74798685028858  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 389.5652173913044  
y1= 260.8695652173913  
   
x2= 389.5652173913044  
y2= 260.8695652173913  
   
x2= 375.6521739130435  
y2= 406.95652173913044  
the distance between them is 146.74798685028858  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 389.5652173913044  
y1= 260.8695652173913  
   
x2= 389.5652173913044  
y2= 260.8695652173913  
   
x2= 375.6521739130435  
y2= 396.5217391304348  
the distance between them is 136.3637967576533  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 389.5652173913044  
y1= 271.30434782608694  
   
x2= 389.5652173913044  
y2= 271.30434782608694  
   
x2= 375.6521739130435  
y2= 406.95652173913044  
the distance between them is 136.3637967576533  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 389.5652173913044  
y1= 271.30434782608694  
   
x2= 389.5652173913044  
y2= 271.30434782608694  
   
x2= 292.17391304347825  
y2= 427.82608695652175  
the distance between them is 184.34782608695656  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 389.5652173913044  
y1= 271.30434782608694  
   
x2= 389.5652173913044  
y2= 271.30434782608694  
   
x2= 375.6521739130435  
y2= 125.21739130434783  
the distance between them is 146.74798685028858  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 389.5652173913044  
y1= 271.30434782608694  
   
x2= 389.5652173913044  
y2= 271.30434782608694  
   
x2= 361.7391304347826  
y2= 114.78260869565217  
the distance between them is 158.9759287934113  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 389.5652173913044  
y1= 271.30434782608694  
   
x2= 389.5652173913044  
y2= 271.30434782608694  
   
x2= 389.5652173913044  
y2= 386.0869565217391  
the distance between them is 114.78260869565219  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 389.5652173913044  
y1= 271.30434782608694  
   
x2= 389.5652173913044  
y2= 271.30434782608694  
   
x2= 375.6521739130435  
y2= 104.34782608695652  
the distance between them is 167.53522892232758  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 403.4782608695652  
y1= 271.30434782608694  
   
x2= 403.4782608695652  
y2= 271.30434782608694  
   
x2= 292.17391304347825  
y2= 417.39130434782606  
the distance between them is 183.65744392965684  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 389.5652173913044  
y1= 271.30434782608694  
   
x2= 389.5652173913044  
y2= 271.30434782608694  
   
x2= 292.17391304347825  
y2= 417.39130434782606  
the distance between them is 175.57467080520297  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 389.5652173913044  
y1= 281.7391304347826  
   
x2= 389.5652173913044  
y2= 281.7391304347826  
   
x2= 292.17391304347825  
y2= 417.39130434782606  
the distance between them is 166.9927496926303  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 389.5652173913044  
y1= 281.7391304347826  
   
x2= 389.5652173913044  
y2= 281.7391304347826  
   
x2= 292.17391304347825  
y2= 417.39130434782606  
the distance between them is 166.9927496926303  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 403.4782608695652  
y2= 396.5217391304348  
the distance between them is 432.4389004778628  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 292.17391304347825  
y2= 406.95652173913044  
the distance between them is 500.9178720666349  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 584.4409863627317  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 292.17391304347825  
y1= 333.9130434782609  
   
x2= 292.17391304347825  
y2= 333.9130434782609  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 434.6573732678486  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 292.17391304347825  
y1= 292.17391304347825  
   
x2= 292.17391304347825  
y2= 292.17391304347825  
   
x2= 166.95652173913044  
y2= 375.6521739130435  
the distance between them is 150.49257497588823  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 264.3478260869565  
y1= 302.60869565217394  
   
x2= 264.3478260869565  
y2= 302.60869565217394  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 392.7971525158688  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 278.2608695652174  
y1= 302.60869565217394  
   
x2= 278.2608695652174  
y2= 302.60869565217394  
   
x2= 306.0869565217391  
y2= 417.39130434782606  
the distance between them is 118.10731719199748  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 292.17391304347825  
y2= 417.39130434782606  
the distance between them is 509.21786647637606  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 584.4409863627317  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 306.0869565217391  
y1= 323.4782608695652  
   
x2= 306.0869565217391  
y2= 323.4782608695652  
   
x2= 166.95652173913044  
y2= 386.0869565217391  
the distance between them is 152.56843269190477  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 306.0869565217391  
y2= 406.95652173913044  
the distance between them is 492.5394248851178  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 306.0869565217391  
y2= 406.95652173913044  
the distance between them is 492.5394248851178  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 320.0  
y1= 344.3478260869565  
   
x2= 320.0  
y2= 344.3478260869565  
   
x2= 306.0869565217391  
y2= 396.5217391304348  
the distance between them is 53.99712937829578  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 320.0  
y1= 344.3478260869565  
   
x2= 320.0  
y2= 344.3478260869565  
   
x2= 626.0869565217391  
y2= 73.04347826086956  
the distance between them is 409.01744963030535  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 320.0  
y1= 344.3478260869565  
   
x2= 320.0  
y2= 344.3478260869565  
   
x2= 320.0  
y2= 406.95652173913044  
the distance between them is 62.608695652173935  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 626.0869565217391  
y1= 104.34782608695652  
   
x2= 626.0869565217391  
y2= 104.34782608695652  
   
x2= 626.0869565217391  
y2= 104.34782608695652  
the distance between them is 0.0  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 320.0  
y1= 344.3478260869565  
   
x2= 320.0  
y2= 344.3478260869565  
   
x2= 320.0  
y2= 406.95652173913044  
the distance between them is 62.608695652173935  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 320.0  
y1= 344.3478260869565  
   
x2= 320.0  
y2= 344.3478260869565  
   
x2= 626.0869565217391  
y2= 114.78260869565217  
the distance between them is 382.6086956521739  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 626.0869565217391  
y1= 104.34782608695652  
   
x2= 626.0869565217391  
y2= 104.34782608695652  
   
x2= 626.0869565217391  
y2= 125.21739130434783  
the distance between them is 20.86956521739131  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 320.0  
y1= 344.3478260869565  
   
x2= 320.0  
y2= 344.3478260869565  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 460.7218795364009  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 626.0869565217391  
y1= 114.78260869565217  
   
x2= 626.0869565217391  
y2= 114.78260869565217  
   
x2= 598.2608695652174  
y2= 125.21739130434783  
the distance between them is 29.718273896756642  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 626.0869565217391  
y1= 271.30434782608694  
   
x2= 626.0869565217391  
y2= 271.30434782608694  
   
x2= 166.95652173913044  
y2= 386.0869565217391  
the distance between them is 473.2608196361141  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 333.9130434782609  
y1= 313.04347826086956  
   
x2= 333.9130434782609  
y2= 313.04347826086956  
   
x2= 166.95652173913044  
y2= 386.0869565217391  
the distance between them is 182.23564379032675  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 347.82608695652175  
y1= 292.17391304347825  
   
x2= 347.82608695652175  
y2= 292.17391304347825  
   
x2= 166.95652173913044  
y2= 386.0869565217391  
the distance between them is 203.79759409099483  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 361.7391304347826  
y1= 292.17391304347825  
   
x2= 361.7391304347826  
y2= 292.17391304347825  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 454.2560756122298  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 389.5652173913044  
y1= 313.04347826086956  
   
x2= 389.5652173913044  
y2= 313.04347826086956  
   
x2= 306.0869565217391  
y2= 417.39130434782606  
the distance between them is 133.6304188681638  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 375.6521739130435  
y2= 125.21739130434783  
the distance between them is 250.4589360333174  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 375.6521739130435  
y2= 114.78260869565217  
the distance between them is 245.8517850027449  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 626.0869565217391  
y1= 448.69565217391306  
   
x2= 626.0869565217391  
y2= 448.69565217391306  
   
x2= 375.6521739130435  
y2= 125.21739130434783  
the distance between them is 409.0913902729598  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 375.6521739130435  
y2= 114.78260869565217  
the distance between them is 245.8517850027449  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 375.6521739130435  
y2= 114.78260869565217  
the distance between them is 245.8517850027449  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 438.2608695652174  
   
x2= 598.2608695652174  
y2= 438.2608695652174  
   
x2= 389.5652173913044  
y2= 114.78260869565217  
the distance between them is 384.9572190406271  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 438.2608695652174  
   
x2= 598.2608695652174  
y2= 438.2608695652174  
   
x2= 389.5652173913044  
y2= 104.34782608695652  
the distance between them is 393.76616899018865  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 389.5652173913044  
y1= 292.17391304347825  
   
x2= 389.5652173913044  
y2= 292.17391304347825  
   
x2= 375.6521739130435  
y2= 104.34782608695652  
the distance between them is 188.34067993990797  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 438.2608695652174  
   
x2= 598.2608695652174  
y2= 438.2608695652174  
   
x2= 306.0869565217391  
y2= 406.95652173913044  
the distance between them is 293.84614623294726  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 438.2608695652174  
   
x2= 598.2608695652174  
y2= 438.2608695652174  
   
x2= 389.5652173913044  
y2= 104.34782608695652  
the distance between them is 393.76616899018865  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 438.2608695652174  
   
x2= 598.2608695652174  
y2= 438.2608695652174  
   
x2= 375.6521739130435  
y2= 146.08695652173913  
the distance between them is 367.31488785931367  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 438.2608695652174  
   
x2= 598.2608695652174  
y2= 438.2608695652174  
   
x2= 375.6521739130435  
y2= 125.21739130434783  
the distance between them is 384.1234836112285  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 612.1739130434783  
y1= 438.2608695652174  
   
x2= 612.1739130434783  
y2= 438.2608695652174  
   
x2= 166.95652173913044  
y2= 375.6521739130435  
the distance between them is 449.59801410939895  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 626.0869565217391  
y1= 469.5652173913044  
   
x2= 626.0869565217391  
y2= 469.5652173913044  
   
x2= 320.0  
y2= 333.9130434782609  
the distance between them is 334.79954784926997  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 0.0  
   
x2= 598.2608695652174  
y2= 0.0  
   
x2= 166.95652173913044  
y2= 375.6521739130435  
the distance between them is 571.9597854913243  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 584.4409863627317  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 584.4409863627317  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 626.0869565217391  
y1= 448.69565217391306  
   
x2= 626.0869565217391  
y2= 448.69565217391306  
   
x2= 306.0869565217391  
y2= 417.39130434782606  
the distance between them is 321.5275449985843  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 438.2608695652174  
   
x2= 598.2608695652174  
y2= 438.2608695652174  
   
x2= 292.17391304347825  
y2= 417.39130434782606  
the distance between them is 306.7975940340862  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 347.82608695652175  
y1= 313.04347826086956  
   
x2= 347.82608695652175  
y2= 313.04347826086956  
   
x2= 292.17391304347825  
y2= 417.39130434782606  
the distance between them is 118.26086956521739  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 292.17391304347825  
y2= 427.82608695652175  
the distance between them is 517.5951370501085  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 347.82608695652175  
y1= 302.60869565217394  
   
x2= 347.82608695652175  
y2= 302.60869565217394  
   
x2= 278.2608695652174  
y2= 417.39130434782606  
the distance between them is 134.21760961095467  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 431.30434782608694  
y1= 240.0  
   
x2= 431.30434782608694  
y2= 240.0  
   
x2= 292.17391304347825  
y2= 417.39130434782606  
the distance between them is 225.4439015387659  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 375.6521739130435  
y1= 292.17391304347825  
   
x2= 375.6521739130435  
y2= 292.17391304347825  
   
x2= 375.6521739130435  
y2= 104.34782608695652  
the distance between them is 187.82608695652175  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 375.6521739130435  
y1= 281.7391304347826  
   
x2= 375.6521739130435  
y2= 281.7391304347826  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 458.51078079567566  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 375.6521739130435  
y1= 281.7391304347826  
   
x2= 375.6521739130435  
y2= 281.7391304347826  
   
x2= 375.6521739130435  
y2= 104.34782608695652  
the distance between them is 177.39130434782612  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 361.7391304347826  
y1= 292.17391304347825  
   
x2= 361.7391304347826  
y2= 292.17391304347825  
   
x2= 361.7391304347826  
y2= 93.91304347826087  
the distance between them is 198.26086956521738  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 347.82608695652175  
y1= 281.7391304347826  
   
x2= 347.82608695652175  
y2= 281.7391304347826  
   
x2= 361.7391304347826  
y2= 93.91304347826087  
the distance between them is 188.34067993990797  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 347.82608695652175  
y1= 281.7391304347826  
   
x2= 347.82608695652175  
y2= 281.7391304347826  
   
x2= 361.7391304347826  
y2= 104.34782608695652  
the distance between them is 177.93607739031185  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 417.39130434782606  
y1= 240.0  
   
x2= 417.39130434782606  
y2= 240.0  
   
x2= 278.2608695652174  
y2= 417.39130434782606  
the distance between them is 225.4439015387659  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 389.5652173913044  
y1= 250.43478260869566  
   
x2= 389.5652173913044  
y2= 250.43478260869566  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 451.4777249276648  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 403.4782608695652  
y1= 240.0  
   
x2= 403.4782608695652  
y2= 240.0  
   
x2= 278.2608695652174  
y2= 406.95652173913044  
the distance between them is 208.69565217391303  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 389.5652173913044  
y1= 229.56521739130434  
   
x2= 389.5652173913044  
y2= 229.56521739130434  
   
x2= 403.4782608695652  
y2= 83.47826086956522  
the distance between them is 146.74798685028858  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 375.6521739130435  
y2= 73.04347826086956  
the distance between them is 231.24549758044742  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 361.7391304347826  
y1= 240.0  
   
x2= 361.7391304347826  
y2= 240.0  
   
x2= 375.6521739130435  
y2= 83.47826086956522  
the distance between them is 157.13887997323852  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 361.7391304347826  
y1= 240.0  
   
x2= 361.7391304347826  
y2= 240.0  
   
x2= 375.6521739130435  
y2= 73.04347826086956  
the distance between them is 167.53522892232758  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 375.6521739130435  
y1= 240.0  
   
x2= 375.6521739130435  
y2= 240.0  
   
x2= 375.6521739130435  
y2= 83.47826086956522  
the distance between them is 156.52173913043478  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 389.5652173913044  
y1= 240.0  
   
x2= 389.5652173913044  
y2= 240.0  
   
x2= 389.5652173913044  
y2= 240.0  
the distance between them is 0.0  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 403.4782608695652  
y1= 250.43478260869566  
   
x2= 403.4782608695652  
y2= 250.43478260869566  
   
x2= 431.30434782608694  
y2= 396.5217391304348  
the distance between them is 148.71344922735273  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 403.4782608695652  
y1= 260.8695652173913  
   
x2= 403.4782608695652  
y2= 260.8695652173913  
   
x2= 389.5652173913044  
y2= 83.47826086956522  
the distance between them is 177.93607739031182  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 389.5652173913044  
y1= 260.8695652173913  
   
x2= 389.5652173913044  
y2= 260.8695652173913  
   
x2= 389.5652173913044  
y2= 406.95652173913044  
the distance between them is 146.08695652173913  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 375.6521739130435  
y1= 260.8695652173913  
   
x2= 375.6521739130435  
y2= 260.8695652173913  
   
x2= 375.6521739130435  
y2= 83.47826086956522  
the distance between them is 177.3913043478261  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 361.7391304347826  
y1= 260.8695652173913  
   
x2= 361.7391304347826  
y2= 260.8695652173913  
   
x2= 361.7391304347826  
y2= 93.91304347826087  
the distance between them is 166.95652173913044  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 347.82608695652175  
y1= 260.8695652173913  
   
x2= 347.82608695652175  
y2= 260.8695652173913  
   
x2= 417.39130434782606  
y2= 93.91304347826087  
the distance between them is 180.86956521739128  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 347.82608695652175  
y1= 250.43478260869566  
   
x2= 347.82608695652175  
y2= 250.43478260869566  
   
x2= 473.04347826086956  
y2= 427.82608695652175  
the distance between them is 217.13376048714585  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 361.7391304347826  
y1= 250.43478260869566  
   
x2= 361.7391304347826  
y2= 250.43478260869566  
   
x2= 347.82608695652175  
y2= 104.34782608695652  
the distance between them is 146.74798685028858  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 361.7391304347826  
y1= 250.43478260869566  
   
x2= 361.7391304347826  
y2= 250.43478260869566  
   
x2= 292.17391304347825  
y2= 417.39130434782606  
the distance between them is 180.86956521739128  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 389.5652173913044  
y1= 260.8695652173913  
   
x2= 389.5652173913044  
y2= 260.8695652173913  
   
x2= 375.6521739130435  
y2= 93.91304347826087  
the distance between them is 167.53522892232758  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 403.4782608695652  
y1= 260.8695652173913  
   
x2= 403.4782608695652  
y2= 260.8695652173913  
   
x2= 292.17391304347825  
y2= 406.95652173913044  
the distance between them is 183.65744392965684  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 389.5652173913044  
y1= 260.8695652173913  
   
x2= 389.5652173913044  
y2= 260.8695652173913  
   
x2= 389.5652173913044  
y2= 93.91304347826087  
the distance between them is 166.95652173913044  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 361.7391304347826  
y1= 260.8695652173913  
   
x2= 361.7391304347826  
y2= 260.8695652173913  
   
x2= 292.17391304347825  
y2= 417.39130434782606  
the distance between them is 171.28448350949745  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 347.82608695652175  
y1= 260.8695652173913  
   
x2= 347.82608695652175  
y2= 260.8695652173913  
   
x2= 292.17391304347825  
y2= 427.82608695652175  
the distance between them is 175.98762630502287  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 333.9130434782609  
y1= 260.8695652173913  
   
x2= 333.9130434782609  
y2= 260.8695652173913  
   
x2= 292.17391304347825  
y2= 427.82608695652175  
the distance between them is 172.0948435040415  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 320.0  
y1= 260.8695652173913  
   
x2= 320.0  
y2= 260.8695652173913  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 402.1717978792792  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 320.0  
y1= 271.30434782608694  
   
x2= 320.0  
y2= 271.30434782608694  
   
x2= 278.2608695652174  
y2= 427.82608695652175  
the distance between them is 161.99138813488725  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 320.0  
y1= 271.30434782608694  
   
x2= 320.0  
y2= 271.30434782608694  
   
x2= 320.0  
y2= 125.21739130434783  
the distance between them is 146.08695652173913  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 320.0  
y1= 271.30434782608694  
   
x2= 320.0  
y2= 271.30434782608694  
   
x2= 278.2608695652174  
y2= 427.82608695652175  
the distance between them is 161.99138813488725  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 320.0  
y1= 271.30434782608694  
   
x2= 320.0  
y2= 271.30434782608694  
   
x2= 278.2608695652174  
y2= 427.82608695652175  
the distance between them is 161.99138813488725  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 320.0  
y1= 271.30434782608694  
   
x2= 320.0  
y2= 271.30434782608694  
   
x2= 292.17391304347825  
y2= 427.82608695652175  
the distance between them is 158.97592879341136  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 320.0  
y1= 271.30434782608694  
   
x2= 320.0  
y2= 271.30434782608694  
   
x2= 292.17391304347825  
y2= 427.82608695652175  
the distance between them is 158.97592879341136  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 333.9130434782609  
y1= 271.30434782608694  
   
x2= 333.9130434782609  
y2= 271.30434782608694  
   
x2= 333.9130434782609  
y2= 125.21739130434783  
the distance between them is 146.08695652173913  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 333.9130434782609  
y1= 271.30434782608694  
   
x2= 333.9130434782609  
y2= 271.30434782608694  
   
x2= 500.8695652173913  
y2= 396.5217391304348  
the distance between them is 208.69565217391306  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 347.82608695652175  
y1= 281.7391304347826  
   
x2= 347.82608695652175  
y2= 281.7391304347826  
   
x2= 459.1304347826087  
y2= 417.39130434782606  
the distance between them is 175.47128007832256  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 347.82608695652175  
y1= 281.7391304347826  
   
x2= 347.82608695652175  
y2= 281.7391304347826  
   
x2= 459.1304347826087  
y2= 427.82608695652175  
the distance between them is 183.65744392965684  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 347.82608695652175  
y1= 281.7391304347826  
   
x2= 347.82608695652175  
y2= 281.7391304347826  
   
x2= 459.1304347826087  
y2= 427.82608695652175  
the distance between them is 183.65744392965684  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 347.82608695652175  
y1= 281.7391304347826  
   
x2= 347.82608695652175  
y2= 281.7391304347826  
   
x2= 445.2173913043478  
y2= 427.82608695652175  
the distance between them is 175.57467080520294  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 347.82608695652175  
y1= 271.30434782608694  
   
x2= 347.82608695652175  
y2= 271.30434782608694  
   
x2= 459.1304347826087  
y2= 417.39130434782606  
the distance between them is 183.65744392965684  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 347.82608695652175  
y1= 271.30434782608694  
   
x2= 347.82608695652175  
y2= 271.30434782608694  
   
x2= 459.1304347826087  
y2= 417.39130434782606  
the distance between them is 183.65744392965684  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 347.82608695652175  
y1= 271.30434782608694  
   
x2= 347.82608695652175  
y2= 271.30434782608694  
   
x2= 459.1304347826087  
y2= 417.39130434782606  
the distance between them is 183.65744392965684  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 347.82608695652175  
y1= 271.30434782608694  
   
x2= 347.82608695652175  
y2= 271.30434782608694  
   
x2= 459.1304347826087  
y2= 417.39130434782606  
the distance between them is 183.65744392965684  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 347.82608695652175  
y1= 281.7391304347826  
   
x2= 347.82608695652175  
y2= 281.7391304347826  
   
x2= 459.1304347826087  
y2= 417.39130434782606  
the distance between them is 175.47128007832256  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 361.7391304347826  
y1= 281.7391304347826  
   
x2= 361.7391304347826  
y2= 281.7391304347826  
   
x2= 361.7391304347826  
y2= 104.34782608695652  
the distance between them is 177.39130434782612  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 361.7391304347826  
y1= 292.17391304347825  
   
x2= 361.7391304347826  
y2= 292.17391304347825  
   
x2= 361.7391304347826  
y2= 114.78260869565217  
the distance between them is 177.39130434782606  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 361.7391304347826  
y1= 292.17391304347825  
   
x2= 361.7391304347826  
y2= 292.17391304347825  
   
x2= 292.17391304347825  
y2= 427.82608695652175  
the distance between them is 152.44944000564263  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 278.2608695652174  
y2= 417.39130434782606  
the distance between them is 517.700309625184  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 292.17391304347825  
y2= 427.82608695652175  
the distance between them is 517.5951370501085  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 306.0869565217391  
y2= 427.82608695652175  
the distance between them is 509.4910170045372  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 278.2608695652174  
y2= 417.39130434782606  
the distance between them is 517.700309625184  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 292.17391304347825  
y2= 417.39130434782606  
the distance between them is 509.21786647637606  
not detected  
not detected  
not detected  
not detected  
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not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 584.4409863627317  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 292.17391304347825  
y2= 417.39130434782606  
the distance between them is 509.21786647637606  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 306.0869565217391  
y2= 417.39130434782606  
the distance between them is 500.97824907789095  
not detected  
not detected  
not detected  
not detected  
not detected  
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not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 584.4409863627317  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 584.4409863627317  
not detected  
not detected  
not detected  
not detected  
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not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 292.17391304347825  
y2= 417.39130434782606  
the distance between them is 509.21786647637606  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 208.69565217391303  
y1= 396.5217391304348  
   
x2= 208.69565217391303  
y2= 396.5217391304348  
   
x2= 292.17391304347825  
y2= 417.39130434782606  
the distance between them is 86.04742175202072  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 292.17391304347825  
y2= 417.39130434782606  
the distance between them is 509.21786647637606  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 0.0  
   
x2= 598.2608695652174  
y2= 0.0  
   
x2= 292.17391304347825  
y2= 417.39130434782606  
the distance between them is 517.5951370501085  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 208.69565217391303  
y1= 396.5217391304348  
   
x2= 208.69565217391303  
y2= 396.5217391304348  
   
x2= 292.17391304347825  
y2= 406.95652173913044  
the distance between them is 84.12790693876747  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 292.17391304347825  
y2= 417.39130434782606  
the distance between them is 509.21786647637606  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 292.17391304347825  
y2= 417.39130434782606  
the distance between them is 509.21786647637606  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 292.17391304347825  
y2= 417.39130434782606  
the distance between them is 509.21786647637606  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 626.0869565217391  
y1= 448.69565217391306  
   
x2= 626.0869565217391  
y2= 448.69565217391306  
   
x2= 292.17391304347825  
y2= 417.39130434782606  
the distance between them is 335.37722462584065  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 278.2608695652174  
y2= 417.39130434782606  
the distance between them is 517.700309625184  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 438.2608695652174  
   
x2= 598.2608695652174  
y2= 438.2608695652174  
   
x2= 278.2608695652174  
y2= 417.39130434782606  
the distance between them is 320.6798072101874  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 375.6521739130435  
y2= 177.3913043478261  
the distance between them is 278.2608695652174  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 626.0869565217391  
y1= 448.69565217391306  
   
x2= 626.0869565217391  
y2= 448.69565217391306  
   
x2= 278.2608695652174  
y2= 417.39130434782606  
the distance between them is 349.23194149490746  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 612.1739130434783  
y1= 438.2608695652174  
   
x2= 612.1739130434783  
y2= 438.2608695652174  
   
x2= 375.6521739130435  
y2= 166.95652173913044  
the distance between them is 359.92857934682513  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 612.1739130434783  
y1= 438.2608695652174  
   
x2= 612.1739130434783  
y2= 438.2608695652174  
   
x2= 278.2608695652174  
y2= 417.39130434782606  
the distance between them is 334.56458174361177  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 375.6521739130435  
y2= 166.95652173913044  
the distance between them is 272.12806948269423  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 612.1739130434783  
y1= 438.2608695652174  
   
x2= 612.1739130434783  
y2= 438.2608695652174  
   
x2= 375.6521739130435  
y2= 187.82608695652175  
the distance between them is 344.4707729569376  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 375.6521739130435  
y2= 177.3913043478261  
the distance between them is 278.2608695652174  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 626.0869565217391  
y1= 448.69565217391306  
   
x2= 626.0869565217391  
y2= 448.69565217391306  
   
x2= 375.6521739130435  
y2= 187.82608695652175  
the distance between them is 361.62205463297647  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 612.1739130434783  
y1= 438.2608695652174  
   
x2= 612.1739130434783  
y2= 438.2608695652174  
   
x2= 278.2608695652174  
y2= 417.39130434782606  
the distance between them is 334.56458174361177  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 612.1739130434783  
y1= 427.82608695652175  
   
x2= 612.1739130434783  
y2= 427.82608695652175  
   
x2= 278.2608695652174  
y2= 417.39130434782606  
the distance between them is 334.0760471704095  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 292.17391304347825  
y2= 417.39130434782606  
the distance between them is 509.21786647637606  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 438.2608695652174  
   
x2= 598.2608695652174  
y2= 438.2608695652174  
   
x2= 278.2608695652174  
y2= 406.95652173913044  
the distance between them is 321.5275449985843  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 278.2608695652174  
y2= 417.39130434782606  
the distance between them is 517.700309625184  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 292.17391304347825  
y2= 417.39130434782606  
the distance between them is 509.21786647637606  
not detected  
not detected  
not detected  
not detected  
not detected  
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not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 438.2608695652174  
   
x2= 598.2608695652174  
y2= 438.2608695652174  
   
x2= 389.5652173913044  
y2= 187.82608695652175  
the distance between them is 325.9930299508864  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 292.17391304347825  
y2= 406.95652173913044  
the distance between them is 500.9178720666349  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 438.2608695652174  
   
x2= 598.2608695652174  
y2= 438.2608695652174  
   
x2= 278.2608695652174  
y2= 406.95652173913044  
the distance between them is 321.5275449985843  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 612.1739130434783  
y1= 438.2608695652174  
   
x2= 612.1739130434783  
y2= 438.2608695652174  
   
x2= 278.2608695652174  
y2= 417.39130434782606  
the distance between them is 334.56458174361177  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 278.2608695652174  
y2= 406.95652173913044  
the distance between them is 509.53850649683443  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 612.1739130434783  
y1= 438.2608695652174  
   
x2= 612.1739130434783  
y2= 438.2608695652174  
   
x2= 278.2608695652174  
y2= 396.5217391304348  
the distance between them is 336.51162775506987  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 278.2608695652174  
y2= 396.5217391304348  
the distance between them is 501.46100346509434  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 278.2608695652174  
y2= 396.5217391304348  
the distance between them is 501.46100346509434  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 438.2608695652174  
   
x2= 598.2608695652174  
y2= 438.2608695652174  
   
x2= 264.3478260869565  
y2= 396.5217391304348  
the distance between them is 336.51162775506987  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 250.43478260869566  
y2= 386.0869565217391  
the distance between them is 511.9546293697141  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 612.1739130434783  
y1= 271.30434782608694  
   
x2= 612.1739130434783  
y2= 271.30434782608694  
   
x2= 250.43478260869566  
y2= 386.0869565217391  
the distance between them is 379.513169398233  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 264.3478260869565  
y2= 386.0869565217391  
the distance between them is 502.6056867669828  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 354.7826086956522  
   
x2= 598.2608695652174  
y2= 354.7826086956522  
   
x2= 264.3478260869565  
y2= 396.5217391304348  
the distance between them is 336.5116277550699  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 0.0  
   
x2= 598.2608695652174  
y2= 0.0  
   
x2= 264.3478260869565  
y2= 396.5217391304348  
the distance between them is 518.3892458451849  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 612.1739130434783  
y1= 281.7391304347826  
   
x2= 612.1739130434783  
y2= 281.7391304347826  
   
x2= 250.43478260869566  
y2= 386.0869565217391  
the distance between them is 376.48860181522946  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 264.3478260869565  
y2= 396.5217391304348  
the distance between them is 510.45181809954823  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 250.43478260869566  
y2= 386.0869565217391  
the distance between them is 511.9546293697141  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 438.2608695652174  
   
x2= 598.2608695652174  
y2= 438.2608695652174  
   
x2= 264.3478260869565  
y2= 406.95652173913044  
the distance between them is 335.37722462584065  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 278.2608695652174  
y2= 396.5217391304348  
the distance between them is 501.46100346509434  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 584.4409863627317  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 0.0  
   
x2= 598.2608695652174  
y2= 0.0  
   
x2= 264.3478260869565  
y2= 406.95652173913044  
the distance between them is 526.4138402349679  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 0.0  
   
x2= 598.2608695652174  
y2= 0.0  
   
x2= 264.3478260869565  
y2= 406.95652173913044  
the distance between them is 526.4138402349679  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 626.0869565217391  
y1= 448.69565217391306  
   
x2= 626.0869565217391  
y2= 448.69565217391306  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 759.0024295684021  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 278.2608695652174  
y2= 406.95652173913044  
the distance between them is 509.53850649683443  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 584.4409863627317  
not detected  
not detected  
not detected  
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not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 278.2608695652174  
y2= 417.39130434782606  
the distance between them is 517.700309625184  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 438.2608695652174  
   
x2= 598.2608695652174  
y2= 438.2608695652174  
   
x2= 292.17391304347825  
y2= 406.95652173913044  
the distance between them is 307.6835828339849  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 278.2608695652174  
y2= 417.39130434782606  
the distance between them is 517.700309625184  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 0.0  
   
x2= 598.2608695652174  
y2= 0.0  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 584.3478260869565  
not detected  
not detected  
not detected  
not detected  
not detected  
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not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 278.2608695652174  
y2= 417.39130434782606  
the distance between them is 517.700309625184  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 389.5652173913044  
y2= 219.1304347826087  
the distance between them is 295.1402217126459  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 278.2608695652174  
y2= 417.39130434782606  
the distance between them is 517.700309625184  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 278.2608695652174  
y2= 417.39130434782606  
the distance between them is 517.700309625184  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 278.2608695652174  
y2= 417.39130434782606  
the distance between them is 517.700309625184  
not detected  
not detected  
not detected  
not detected  
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not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 278.2608695652174  
y2= 417.39130434782606  
the distance between them is 517.700309625184  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 278.2608695652174  
y2= 417.39130434782606  
the distance between them is 517.700309625184  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 626.0869565217391  
y1= 438.2608695652174  
   
x2= 626.0869565217391  
y2= 438.2608695652174  
   
x2= 278.2608695652174  
y2= 417.39130434782606  
the distance between them is 348.4516114467671  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 264.3478260869565  
y2= 417.39130434782606  
the distance between them is 526.4138402349679  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 264.3478260869565  
y2= 417.39130434782606  
the distance between them is 526.4138402349679  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 626.0869565217391  
y1= 438.2608695652174  
   
x2= 626.0869565217391  
y2= 438.2608695652174  
   
x2= 264.3478260869565  
y2= 406.95652173913044  
the distance between them is 363.09111897777024  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 626.0869565217391  
y1= 448.69565217391306  
   
x2= 626.0869565217391  
y2= 448.69565217391306  
   
x2= 264.3478260869565  
y2= 406.95652173913044  
the distance between them is 364.13919522232766  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 626.0869565217391  
y1= 438.2608695652174  
   
x2= 626.0869565217391  
y2= 438.2608695652174  
   
x2= 264.3478260869565  
y2= 406.95652173913044  
the distance between them is 363.09111897777024  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 264.3478260869565  
y2= 406.95652173913044  
the distance between them is 518.3892458451849  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 626.0869565217391  
y1= 448.69565217391306  
   
x2= 626.0869565217391  
y2= 448.69565217391306  
   
x2= 278.2608695652174  
y2= 406.95652173913044  
the distance between them is 350.3214834647422  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 626.0869565217391  
y1= 448.69565217391306  
   
x2= 626.0869565217391  
y2= 448.69565217391306  
   
x2= 264.3478260869565  
y2= 406.95652173913044  
the distance between them is 364.13919522232766  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 264.3478260869565  
y2= 406.95652173913044  
the distance between them is 518.3892458451849  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 612.1739130434783  
y1= 438.2608695652174  
   
x2= 612.1739130434783  
y2= 438.2608695652174  
   
x2= 264.3478260869565  
y2= 417.39130434782606  
the distance between them is 348.4516114467671  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 612.1739130434783  
y1= 438.2608695652174  
   
x2= 612.1739130434783  
y2= 438.2608695652174  
   
x2= 612.1739130434783  
y2= 448.69565217391306  
the distance between them is 10.434782608695684  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 612.1739130434783  
y2= 448.69565217391306  
the distance between them is 438.48165591149706  
not detected  
not detected  
not detected  
not detected  
not detected  
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not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 584.4409863627317  
not detected  
not detected  
not detected  
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not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 584.4409863627317  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 626.0869565217391  
y1= 448.69565217391306  
   
x2= 626.0869565217391  
y2= 448.69565217391306  
   
x2= 278.2608695652174  
y2= 417.39130434782606  
the distance between them is 349.23194149490746  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 278.2608695652174  
y2= 417.39130434782606  
the distance between them is 517.700309625184  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 626.0869565217391  
y1= 448.69565217391306  
   
x2= 626.0869565217391  
y2= 448.69565217391306  
   
x2= 278.2608695652174  
y2= 417.39130434782606  
the distance between them is 349.23194149490746  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 626.0869565217391  
y1= 448.69565217391306  
   
x2= 626.0869565217391  
y2= 448.69565217391306  
   
x2= 292.17391304347825  
y2= 417.39130434782606  
the distance between them is 335.37722462584065  
not detected  
not detected  
not detected  
not detected  
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not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 292.17391304347825  
y2= 417.39130434782606  
the distance between them is 509.21786647637606  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 438.2608695652174  
   
x2= 598.2608695652174  
y2= 438.2608695652174  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 730.4347826086956  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 612.1739130434783  
y1= 438.2608695652174  
   
x2= 612.1739130434783  
y2= 438.2608695652174  
   
x2= 278.2608695652174  
y2= 417.39130434782606  
the distance between them is 334.56458174361177  
not detected  
not detected  
not detected  
not detected  
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not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 626.0869565217391  
y1= 448.69565217391306  
   
x2= 626.0869565217391  
y2= 448.69565217391306  
   
x2= 292.17391304347825  
y2= 417.39130434782606  
the distance between them is 335.37722462584065  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 626.0869565217391  
y1= 448.69565217391306  
   
x2= 626.0869565217391  
y2= 448.69565217391306  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 759.0024295684021  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 626.0869565217391  
y1= 448.69565217391306  
   
x2= 626.0869565217391  
y2= 448.69565217391306  
   
x2= 292.17391304347825  
y2= 417.39130434782606  
the distance between them is 335.37722462584065  
not detected  
not detected  
not detected  
not detected  
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not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 292.17391304347825  
y2= 417.39130434782606  
the distance between them is 509.21786647637606  
not detected  
not detected  
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not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 0.0  
   
x2= 598.2608695652174  
y2= 0.0  
   
x2= 0.0  
y2= 0.0  
the distance between them is 598.2608695652174  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 292.17391304347825  
y2= 417.39130434782606  
the distance between them is 509.21786647637606  
not detected  
not detected  
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not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 584.4409863627317  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 292.17391304347825  
y2= 417.39130434782606  
the distance between them is 509.21786647637606  
not detected  
not detected  
not detected  
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x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 292.17391304347825  
y2= 417.39130434782606  
the distance between them is 509.21786647637606  
not detected  
not detected  
not detected  
not detected  
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not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 208.69565217391303  
y1= 396.5217391304348  
   
x2= 208.69565217391303  
y2= 396.5217391304348  
   
x2= 292.17391304347825  
y2= 417.39130434782606  
the distance between them is 86.04742175202072  
detected  
detected  
detected  
detected  
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detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 292.17391304347825  
y2= 417.39130434782606  
the distance between them is 509.21786647637606  
not detected  
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x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 292.17391304347825  
y2= 417.39130434782606  
the distance between them is 509.21786647637606  
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x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 292.17391304347825  
y2= 417.39130434782606  
the distance between them is 509.21786647637606  
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x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 292.17391304347825  
y2= 417.39130434782606  
the distance between them is 509.21786647637606  
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x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 278.2608695652174  
y2= 417.39130434782606  
the distance between them is 517.700309625184  
not detected  
not detected  
not detected  
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x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 278.2608695652174  
y2= 417.39130434782606  
the distance between them is 517.700309625184  
not detected  
not detected  
not detected  
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not detected  
not detected  
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x1= 417.39130434782606  
y1= 354.7826086956522  
   
x2= 417.39130434782606  
y2= 354.7826086956522  
   
x2= 278.2608695652174  
y2= 417.39130434782606  
the distance between them is 152.56843269190475  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 403.4782608695652  
y1= 333.9130434782609  
   
x2= 403.4782608695652  
y2= 333.9130434782609  
   
x2= 278.2608695652174  
y2= 417.39130434782606  
the distance between them is 150.49257497588823  
not detected  
not detected  
not detected  
not detected  
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not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 278.2608695652174  
y2= 417.39130434782606  
the distance between them is 517.700309625184  
not detected  
not detected  
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x1= 389.5652173913044  
y1= 333.9130434782609  
   
x2= 389.5652173913044  
y2= 333.9130434782609  
   
x2= 375.6521739130435  
y2= 135.65217391304347  
the distance between them is 198.74844698659692  
not detected  
not detected  
not detected  
not detected  
not detected  
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not detected  
not detected  
not detected  
not detected  
   
x1= 375.6521739130435  
y1= 323.4782608695652  
   
x2= 375.6521739130435  
y2= 323.4782608695652  
   
x2= 278.2608695652174  
y2= 417.39130434782606  
the distance between them is 135.2949588784468  
not detected  
not detected  
not detected  
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x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 278.2608695652174  
y2= 417.39130434782606  
the distance between them is 517.700309625184  
not detected  
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x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 278.2608695652174  
y2= 427.82608695652175  
the distance between them is 525.9424882486484  
not detected  
not detected  
not detected  
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not detected  
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x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 347.82608695652175  
y2= 166.95652173913044  
the distance between them is 295.3246267426415  
not detected  
not detected  
not detected  
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x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 347.82608695652175  
y2= 166.95652173913044  
the distance between them is 295.3246267426415  
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x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 347.82608695652175  
y2= 156.52173913043478  
the distance between them is 289.9292658667785  
not detected  
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x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 278.2608695652174  
y2= 406.95652173913044  
the distance between them is 509.53850649683443  
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not detected  
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x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 278.2608695652174  
y2= 417.39130434782606  
the distance between them is 517.700309625184  
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x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 347.82608695652175  
y2= 166.95652173913044  
the distance between them is 295.3246267426415  
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x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 278.2608695652174  
y2= 417.39130434782606  
the distance between them is 517.700309625184  
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x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 278.2608695652174  
y2= 417.39130434782606  
the distance between them is 517.700309625184  
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x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 347.82608695652175  
y2= 156.52173913043478  
the distance between them is 289.9292658667785  
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x1= 598.2608695652174  
y1= 10.434782608695652  
   
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y2= 10.434782608695652  
   
x2= 278.2608695652174  
y2= 417.39130434782606  
the distance between them is 517.700309625184  
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x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 278.2608695652174  
y2= 417.39130434782606  
the distance between them is 517.700309625184  
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x1= 598.2608695652174  
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x2= 598.2608695652174  
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x2= 278.2608695652174  
y2= 417.39130434782606  
the distance between them is 517.700309625184  
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x1= 598.2608695652174  
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x2= 598.2608695652174  
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x2= 278.2608695652174  
y2= 417.39130434782606  
the distance between them is 517.700309625184  
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x1= 598.2608695652174  
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x2= 278.2608695652174  
y2= 417.39130434782606  
the distance between them is 517.700309625184  
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x1= 598.2608695652174  
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x2= 278.2608695652174  
y2= 417.39130434782606  
the distance between them is 517.700309625184  
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x1= 598.2608695652174  
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x2= 278.2608695652174  
y2= 417.39130434782606  
the distance between them is 517.700309625184  
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x1= 598.2608695652174  
y1= 10.434782608695652  
   
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y2= 10.434782608695652  
   
x2= 278.2608695652174  
y2= 417.39130434782606  
the distance between them is 517.700309625184  
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x1= 598.2608695652174  
y1= 10.434782608695652  
   
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y2= 10.434782608695652  
   
x2= 278.2608695652174  
y2= 417.39130434782606  
the distance between them is 517.700309625184  
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x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 361.7391304347826  
y2= 166.95652173913044  
the distance between them is 283.6222627046426  
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x1= 598.2608695652174  
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y2= 10.434782608695652  
   
x2= 278.2608695652174  
y2= 417.39130434782606  
the distance between them is 517.700309625184  
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x1= 598.2608695652174  
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x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 361.7391304347826  
y2= 156.52173913043478  
the distance between them is 277.99987760261683  
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x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 361.7391304347826  
y2= 177.3913043478261  
the distance between them is 289.51168064952776  
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x1= 598.2608695652174  
y1= 10.434782608695652  
   
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y2= 10.434782608695652  
   
x2= 361.7391304347826  
y2= 156.52173913043478  
the distance between them is 277.99987760261683  
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x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 278.2608695652174  
y2= 417.39130434782606  
the distance between them is 517.700309625184  
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x1= 598.2608695652174  
y1= 10.434782608695652  
   
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y2= 10.434782608695652  
   
x2= 278.2608695652174  
y2= 417.39130434782606  
the distance between them is 517.700309625184  
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x1= 598.2608695652174  
y1= 10.434782608695652  
   
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y2= 417.39130434782606  
the distance between them is 517.700309625184  
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x1= 598.2608695652174  
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y2= 417.39130434782606  
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x1= 598.2608695652174  
y1= 10.434782608695652  
   
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y2= 10.434782608695652  
   
x2= 278.2608695652174  
y2= 417.39130434782606  
the distance between them is 517.700309625184  
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x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 278.2608695652174  
y2= 417.39130434782606  
the distance between them is 517.700309625184  
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x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 278.2608695652174  
y2= 417.39130434782606  
the distance between them is 517.700309625184  
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x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 375.6521739130435  
y2= 187.82608695652175  
the distance between them is 284.64417478350975  
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x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 375.6521739130435  
y2= 166.95652173913044  
the distance between them is 272.12806948269423  
not detected  
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x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 375.6521739130435  
y2= 187.82608695652175  
the distance between them is 284.64417478350975  
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x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 375.6521739130435  
y2= 187.82608695652175  
the distance between them is 284.64417478350975  
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x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 278.2608695652174  
y2= 417.39130434782606  
the distance between them is 517.700309625184  
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x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
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y2= 417.39130434782606  
the distance between them is 517.700309625184  
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x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 278.2608695652174  
y2= 417.39130434782606  
the distance between them is 517.700309625184  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 278.2608695652174  
y2= 417.39130434782606  
the distance between them is 517.700309625184  
not detected  
not detected  
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x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 278.2608695652174  
y2= 417.39130434782606  
the distance between them is 517.700309625184  
not detected  
not detected  
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x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 292.17391304347825  
y2= 417.39130434782606  
the distance between them is 509.21786647637606  
not detected  
not detected  
not detected  
not detected  
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not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 584.4409863627317  
not detected  
not detected  
not detected  
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not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 584.4409863627317  
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x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 292.17391304347825  
y2= 417.39130434782606  
the distance between them is 509.21786647637606  
not detected  
not detected  
not detected  
not detected  
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not detected  
not detected  
not detected  
not detected  
   
x1= 431.30434782608694  
y1= 344.3478260869565  
   
x2= 431.30434782608694  
y2= 344.3478260869565  
   
x2= 292.17391304347825  
y2= 417.39130434782606  
the distance between them is 157.1388799732385  
not detected  
not detected  
not detected  
not detected  
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not detected  
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not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 584.4409863627317  
not detected  
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x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 292.17391304347825  
y2= 417.39130434782606  
the distance between them is 509.21786647637606  
not detected  
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x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 292.17391304347825  
y2= 417.39130434782606  
the distance between them is 509.21786647637606  
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x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 292.17391304347825  
y2= 417.39130434782606  
the distance between them is 509.21786647637606  
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x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 292.17391304347825  
y2= 417.39130434782606  
the distance between them is 509.21786647637606  
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x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 292.17391304347825  
y2= 417.39130434782606  
the distance between them is 509.21786647637606  
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x1= 598.2608695652174  
y1= 10.434782608695652  
   
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y2= 10.434782608695652  
   
x2= 292.17391304347825  
y2= 417.39130434782606  
the distance between them is 509.21786647637606  
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x1= 598.2608695652174  
y1= 10.434782608695652  
   
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y2= 10.434782608695652  
   
x2= 292.17391304347825  
y2= 417.39130434782606  
the distance between them is 509.21786647637606  
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x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 584.4409863627317  
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x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 584.4409863627317  
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x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 584.4409863627317  
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x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 584.4409863627317  
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x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 584.4409863627317  
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x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 584.4409863627317  
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x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 584.4409863627317  
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x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 584.4409863627317  
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x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 584.4409863627317  
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x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 584.4409863627317  
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x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 584.4409863627317  
not detected  
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not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 473.04347826086956  
y2= 114.78260869565217  
the distance between them is 162.9965149754432  
not detected  
not detected  
not detected  
not detected  
not detected  
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not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 584.4409863627317  
not detected  
not detected  
not detected  
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not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 445.2173913043478  
y2= 114.78260869565217  
the distance between them is 185.23167938357352  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 306.0869565217391  
y2= 438.2608695652174  
the distance between them is 518.0740836440935  
not detected  
not detected  
not detected  
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x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 306.0869565217391  
y2= 438.2608695652174  
the distance between them is 518.0740836440935  
not detected  
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x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 459.1304347826087  
y2= 125.21739130434783  
the distance between them is 180.36719530384934  
not detected  
not detected  
not detected  
not detected  
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not detected  
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not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 306.0869565217391  
y2= 427.82608695652175  
the distance between them is 509.4910170045372  
not detected  
not detected  
not detected  
not detected  
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not detected  
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x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 459.1304347826087  
y2= 125.21739130434783  
the distance between them is 180.36719530384934  
not detected  
not detected  
not detected  
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x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 584.4409863627317  
not detected  
not detected  
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not detected  
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x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 486.95652173913044  
y2= 125.21739130434783  
the distance between them is 159.88653821998196  
not detected  
not detected  
not detected  
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not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 306.0869565217391  
y2= 427.82608695652175  
the distance between them is 509.4910170045372  
not detected  
not detected  
not detected  
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x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 306.0869565217391  
y2= 427.82608695652175  
the distance between them is 509.4910170045372  
not detected  
not detected  
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x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 486.95652173913044  
y2= 135.65217391304347  
the distance between them is 167.53522892232758  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 306.0869565217391  
y2= 427.82608695652175  
the distance between them is 509.4910170045372  
not detected  
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x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 584.4409863627317  
not detected  
not detected  
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x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 306.0869565217391  
y2= 438.2608695652174  
the distance between them is 518.0740836440935  
not detected  
not detected  
not detected  
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x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 306.0869565217391  
y2= 427.82608695652175  
the distance between them is 509.4910170045372  
not detected  
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x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 306.0869565217391  
y2= 427.82608695652175  
the distance between them is 509.4910170045372  
not detected  
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x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 486.95652173913044  
y2= 135.65217391304347  
the distance between them is 167.53522892232758  
not detected  
not detected  
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not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 584.4409863627317  
not detected  
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x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 584.4409863627317  
not detected  
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x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 306.0869565217391  
y2= 427.82608695652175  
the distance between them is 509.4910170045372  
not detected  
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x1= 598.2608695652174  
y1= 438.2608695652174  
   
x2= 598.2608695652174  
y2= 438.2608695652174  
   
x2= 306.0869565217391  
y2= 438.2608695652174  
the distance between them is 292.17391304347825  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 626.0869565217391  
y1= 469.5652173913044  
   
x2= 626.0869565217391  
y2= 469.5652173913044  
   
x2= 473.04347826086956  
y2= 125.21739130434783  
the distance between them is 376.82586372089446  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 626.0869565217391  
y1= 469.5652173913044  
   
x2= 626.0869565217391  
y2= 469.5652173913044  
   
x2= 473.04347826086956  
y2= 125.21739130434783  
the distance between them is 376.82586372089446  
not detected  
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not detected  
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not detected  
   
x1= 292.17391304347825  
y1= 427.82608695652175  
   
x2= 292.17391304347825  
y2= 427.82608695652175  
   
x2= 306.0869565217391  
y2= 427.82608695652175  
the distance between them is 13.913043478260875  
detected  
detected  
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detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 306.0869565217391  
y2= 427.82608695652175  
the distance between them is 509.4910170045372  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 292.17391304347825  
y1= 427.82608695652175  
   
x2= 292.17391304347825  
y2= 427.82608695652175  
   
x2= 306.0869565217391  
y2= 427.82608695652175  
the distance between them is 13.913043478260875  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 306.0869565217391  
y2= 427.82608695652175  
the distance between them is 509.4910170045372  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 292.17391304347825  
y1= 427.82608695652175  
   
x2= 292.17391304347825  
y2= 427.82608695652175  
   
x2= 306.0869565217391  
y2= 427.82608695652175  
the distance between them is 13.913043478260875  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 626.0869565217391  
y1= 469.5652173913044  
   
x2= 626.0869565217391  
y2= 469.5652173913044  
   
x2= 306.0869565217391  
y2= 427.82608695652175  
the distance between them is 322.7106366537239  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 626.0869565217391  
y1= 469.5652173913044  
   
x2= 626.0869565217391  
y2= 469.5652173913044  
   
x2= 306.0869565217391  
y2= 427.82608695652175  
the distance between them is 322.7106366537239  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 306.0869565217391  
y2= 427.82608695652175  
the distance between them is 509.4910170045372  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 438.2608695652174  
   
x2= 598.2608695652174  
y2= 438.2608695652174  
   
x2= 306.0869565217391  
y2= 427.82608695652175  
the distance between them is 292.3601890668918  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 626.0869565217391  
y1= 469.5652173913044  
   
x2= 626.0869565217391  
y2= 469.5652173913044  
   
x2= 306.0869565217391  
y2= 427.82608695652175  
the distance between them is 322.7106366537239  
not detected  
not detected  
not detected  
not detected  
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not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 306.0869565217391  
y2= 427.82608695652175  
the distance between them is 509.4910170045372  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 626.0869565217391  
y1= 469.5652173913044  
   
x2= 626.0869565217391  
y2= 469.5652173913044  
   
x2= 292.17391304347825  
y2= 396.5217391304348  
the distance between them is 341.808821304192  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 626.0869565217391  
y1= 469.5652173913044  
   
x2= 626.0869565217391  
y2= 469.5652173913044  
   
x2= 459.1304347826087  
y2= 125.21739130434783  
the distance between them is 382.68773887079476  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 626.0869565217391  
y1= 448.69565217391306  
   
x2= 626.0869565217391  
y2= 448.69565217391306  
   
x2= 306.0869565217391  
y2= 427.82608695652175  
the distance between them is 320.6798072101874  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 626.0869565217391  
y1= 448.69565217391306  
   
x2= 626.0869565217391  
y2= 448.69565217391306  
   
x2= 417.39130434782606  
y2= 177.3913043478261  
the distance between them is 342.2863193083143  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 584.4409863627317  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 292.17391304347825  
y2= 406.95652173913044  
the distance between them is 500.9178720666349  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 612.1739130434783  
y1= 438.2608695652174  
   
x2= 612.1739130434783  
y2= 438.2608695652174  
   
x2= 292.17391304347825  
y2= 406.95652173913044  
the distance between them is 321.5275449985843  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 612.1739130434783  
y1= 438.2608695652174  
   
x2= 612.1739130434783  
y2= 438.2608695652174  
   
x2= 292.17391304347825  
y2= 406.95652173913044  
the distance between them is 321.5275449985843  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 292.17391304347825  
y2= 406.95652173913044  
the distance between them is 500.9178720666349  
not detected  
not detected  
not detected  
not detected  
not detected  
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not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 292.17391304347825  
y2= 417.39130434782606  
the distance between them is 509.21786647637606  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 626.0869565217391  
y1= 448.69565217391306  
   
x2= 626.0869565217391  
y2= 448.69565217391306  
   
x2= 292.17391304347825  
y2= 406.95652173913044  
the distance between them is 336.5116277550699  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 361.7391304347826  
y2= 166.95652173913044  
the distance between them is 283.6222627046426  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 306.0869565217391  
y2= 406.95652173913044  
the distance between them is 492.5394248851178  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 626.0869565217391  
y1= 469.5652173913044  
   
x2= 626.0869565217391  
y2= 469.5652173913044  
   
x2= 361.7391304347826  
y2= 156.52173913043478  
the distance between them is 409.72672897745315  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 626.0869565217391  
y1= 469.5652173913044  
   
x2= 626.0869565217391  
y2= 469.5652173913044  
   
x2= 306.0869565217391  
y2= 417.39130434782606  
the distance between them is 324.22541109892734  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 626.0869565217391  
y1= 448.69565217391306  
   
x2= 626.0869565217391  
y2= 448.69565217391306  
   
x2= 361.7391304347826  
y2= 156.52173913043478  
the distance between them is 394.0118889323491  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 626.0869565217391  
y1= 448.69565217391306  
   
x2= 626.0869565217391  
y2= 448.69565217391306  
   
x2= 361.7391304347826  
y2= 166.95652173913044  
the distance between them is 386.3375606578362  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 626.0869565217391  
y1= 448.69565217391306  
   
x2= 626.0869565217391  
y2= 448.69565217391306  
   
x2= 361.7391304347826  
y2= 177.3913043478261  
the distance between them is 378.79522476694206  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 361.7391304347826  
y2= 156.52173913043478  
the distance between them is 277.99987760261683  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 626.0869565217391  
y1= 448.69565217391306  
   
x2= 626.0869565217391  
y2= 448.69565217391306  
   
x2= 166.95652173913044  
y2= 375.6521739130435  
the distance between them is 464.90440507712276  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 403.4782608695652  
y1= 333.9130434782609  
   
x2= 403.4782608695652  
y2= 333.9130434782609  
   
x2= 375.6521739130435  
y2= 156.52173913043478  
the distance between them is 179.56047998803905  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 431.30434782608694  
y1= 333.9130434782609  
   
x2= 431.30434782608694  
y2= 333.9130434782609  
   
x2= 166.95652173913044  
y2= 375.6521739130435  
the distance between them is 267.6227347710796  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 626.0869565217391  
y1= 448.69565217391306  
   
x2= 626.0869565217391  
y2= 448.69565217391306  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 759.0024295684021  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 459.1304347826087  
y1= 333.9130434782609  
   
x2= 459.1304347826087  
y2= 333.9130434782609  
   
x2= 166.95652173913044  
y2= 375.6521739130435  
the distance between them is 295.14022171264594  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 459.1304347826087  
y1= 333.9130434782609  
   
x2= 459.1304347826087  
y2= 333.9130434782609  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 556.5217391304348  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 459.1304347826087  
y1= 333.9130434782609  
   
x2= 459.1304347826087  
y2= 333.9130434782609  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 556.5217391304348  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 445.2173913043478  
y1= 333.9130434782609  
   
x2= 445.2173913043478  
y2= 333.9130434782609  
   
x2= 166.95652173913044  
y2= 375.6521739130435  
the distance between them is 281.37389100739733  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 459.1304347826087  
y1= 333.9130434782609  
   
x2= 459.1304347826087  
y2= 333.9130434782609  
   
x2= 166.95652173913044  
y2= 375.6521739130435  
the distance between them is 295.14022171264594  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 459.1304347826087  
y1= 333.9130434782609  
   
x2= 459.1304347826087  
y2= 333.9130434782609  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 556.5217391304348  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 445.2173913043478  
y1= 323.4782608695652  
   
x2= 445.2173913043478  
y2= 323.4782608695652  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 539.1304347826086  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 445.2173913043478  
y1= 323.4782608695652  
   
x2= 445.2173913043478  
y2= 323.4782608695652  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 539.1304347826086  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 445.2173913043478  
y1= 333.9130434782609  
   
x2= 445.2173913043478  
y2= 333.9130434782609  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 545.455187030613  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 459.1304347826087  
y1= 333.9130434782609  
   
x2= 459.1304347826087  
y2= 333.9130434782609  
   
x2= 166.95652173913044  
y2= 375.6521739130435  
the distance between them is 295.14022171264594  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 445.2173913043478  
y1= 333.9130434782609  
   
x2= 445.2173913043478  
y2= 333.9130434782609  
   
x2= 528.695652173913  
y2= 386.0869565217391  
the distance between them is 98.44154224754715  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 431.30434782608694  
y1= 323.4782608695652  
   
x2= 431.30434782608694  
y2= 323.4782608695652  
   
x2= 166.95652173913044  
y2= 375.6521739130435  
the distance between them is 269.44737957376435  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 431.30434782608694  
y1= 323.4782608695652  
   
x2= 431.30434782608694  
y2= 323.4782608695652  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 528.0659865967302  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 403.4782608695652  
y1= 323.4782608695652  
   
x2= 403.4782608695652  
y2= 323.4782608695652  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 506.3588093993553  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 306.0869565217391  
y2= 406.95652173913044  
the distance between them is 492.5394248851178  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 306.0869565217391  
y2= 406.95652173913044  
the distance between them is 492.5394248851178  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 626.0869565217391  
y1= 448.69565217391306  
   
x2= 626.0869565217391  
y2= 448.69565217391306  
   
x2= 292.17391304347825  
y2= 406.95652173913044  
the distance between them is 336.5116277550699  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 626.0869565217391  
y1= 448.69565217391306  
   
x2= 626.0869565217391  
y2= 448.69565217391306  
   
x2= 292.17391304347825  
y2= 406.95652173913044  
the distance between them is 336.5116277550699  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 292.17391304347825  
y2= 417.39130434782606  
the distance between them is 509.21786647637606  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 626.0869565217391  
y1= 448.69565217391306  
   
x2= 626.0869565217391  
y2= 448.69565217391306  
   
x2= 292.17391304347825  
y2= 417.39130434782606  
the distance between them is 335.37722462584065  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 612.1739130434783  
y1= 438.2608695652174  
   
x2= 612.1739130434783  
y2= 438.2608695652174  
   
x2= 612.1739130434783  
y2= 448.69565217391306  
the distance between them is 10.434782608695684  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 612.1739130434783  
y2= 448.69565217391306  
the distance between them is 438.48165591149706  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 626.0869565217391  
y1= 469.5652173913044  
   
x2= 626.0869565217391  
y2= 469.5652173913044  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 771.523423620247  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 626.0869565217391  
y1= 448.69565217391306  
   
x2= 626.0869565217391  
y2= 448.69565217391306  
   
x2= 612.1739130434783  
y2= 448.69565217391306  
the distance between them is 13.913043478260875  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 626.0869565217391  
y1= 448.69565217391306  
   
x2= 626.0869565217391  
y2= 448.69565217391306  
   
x2= 389.5652173913044  
y2= 177.3913043478261  
the distance between them is 359.92857934682513  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 626.0869565217391  
y1= 448.69565217391306  
   
x2= 626.0869565217391  
y2= 448.69565217391306  
   
x2= 361.7391304347826  
y2= 166.95652173913044  
the distance between them is 386.3375606578362  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 626.0869565217391  
y1= 469.5652173913044  
   
x2= 626.0869565217391  
y2= 469.5652173913044  
   
x2= 292.17391304347825  
y2= 417.39130434782606  
the distance between them is 337.96455111029525  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 626.0869565217391  
y1= 448.69565217391306  
   
x2= 626.0869565217391  
y2= 448.69565217391306  
   
x2= 292.17391304347825  
y2= 427.82608695652175  
the distance between them is 334.56458174361177  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 292.17391304347825  
y2= 417.39130434782606  
the distance between them is 509.21786647637606  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 626.0869565217391  
y1= 448.69565217391306  
   
x2= 626.0869565217391  
y2= 448.69565217391306  
   
x2= 292.17391304347825  
y2= 417.39130434782606  
the distance between them is 335.37722462584065  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 584.4409863627317  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 626.0869565217391  
y1= 448.69565217391306  
   
x2= 626.0869565217391  
y2= 448.69565217391306  
   
x2= 612.1739130434783  
y2= 448.69565217391306  
the distance between them is 13.913043478260875  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 612.1739130434783  
y1= 438.2608695652174  
   
x2= 612.1739130434783  
y2= 438.2608695652174  
   
x2= 612.1739130434783  
y2= 448.69565217391306  
the distance between them is 10.434782608695684  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 612.1739130434783  
y2= 448.69565217391306  
the distance between them is 438.48165591149706  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 612.1739130434783  
y1= 438.2608695652174  
   
x2= 612.1739130434783  
y2= 438.2608695652174  
   
x2= 292.17391304347825  
y2= 417.39130434782606  
the distance between them is 320.6798072101874  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 612.1739130434783  
y1= 438.2608695652174  
   
x2= 612.1739130434783  
y2= 438.2608695652174  
   
x2= 292.17391304347825  
y2= 427.82608695652175  
the distance between them is 320.17008712259604  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 306.0869565217391  
y2= 417.39130434782606  
the distance between them is 500.97824907789095  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 306.0869565217391  
y2= 417.39130434782606  
the distance between them is 500.97824907789095  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 612.1739130434783  
y1= 459.1304347826087  
   
x2= 612.1739130434783  
y2= 459.1304347826087  
   
x2= 306.0869565217391  
y2= 417.39130434782606  
the distance between them is 308.91969824242807  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 306.0869565217391  
y2= 417.39130434782606  
the distance between them is 500.97824907789095  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 469.5652173913044  
   
x2= 598.2608695652174  
y2= 469.5652173913044  
   
x2= 306.0869565217391  
y2= 417.39130434782606  
the distance between them is 296.7957423303212  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 584.4409863627317  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 0.0  
   
x2= 598.2608695652174  
y2= 0.0  
   
x2= 306.0869565217391  
y2= 417.39130434782606  
the distance between them is 509.4910170045371  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 292.17391304347825  
y2= 417.39130434782606  
the distance between them is 509.21786647637606  
not detected  
not detected  
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not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 292.17391304347825  
y2= 417.39130434782606  
the distance between them is 509.21786647637606  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 469.5652173913044  
   
x2= 598.2608695652174  
y2= 469.5652173913044  
   
x2= 306.0869565217391  
y2= 417.39130434782606  
the distance between them is 296.7957423303212  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 469.5652173913044  
   
x2= 598.2608695652174  
y2= 469.5652173913044  
   
x2= 292.17391304347825  
y2= 417.39130434782606  
the distance between them is 310.50175869873823  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 469.5652173913044  
   
x2= 598.2608695652174  
y2= 469.5652173913044  
   
x2= 292.17391304347825  
y2= 417.39130434782606  
the distance between them is 310.50175869873823  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 306.0869565217391  
y2= 417.39130434782606  
the distance between them is 500.97824907789095  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 469.5652173913044  
   
x2= 598.2608695652174  
y2= 469.5652173913044  
   
x2= 306.0869565217391  
y2= 417.39130434782606  
the distance between them is 296.7957423303212  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 459.1304347826087  
   
x2= 598.2608695652174  
y2= 459.1304347826087  
   
x2= 306.0869565217391  
y2= 417.39130434782606  
the distance between them is 295.14022171264594  
not detected  
not detected  
not detected  
not detected  
not detected  
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not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 306.0869565217391  
y2= 417.39130434782606  
the distance between them is 500.97824907789095  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 306.0869565217391  
y2= 417.39130434782606  
the distance between them is 500.97824907789095  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 306.0869565217391  
y2= 417.39130434782606  
the distance between them is 500.97824907789095  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 626.0869565217391  
y1= 469.5652173913044  
   
x2= 626.0869565217391  
y2= 469.5652173913044  
   
x2= 306.0869565217391  
y2= 417.39130434782606  
the distance between them is 324.22541109892734  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 626.0869565217391  
y1= 469.5652173913044  
   
x2= 626.0869565217391  
y2= 469.5652173913044  
   
x2= 306.0869565217391  
y2= 417.39130434782606  
the distance between them is 324.22541109892734  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 292.17391304347825  
y2= 417.39130434782606  
the distance between them is 509.21786647637606  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 306.0869565217391  
y2= 417.39130434782606  
the distance between them is 500.97824907789095  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 0.0  
   
x2= 598.2608695652174  
y2= 0.0  
   
x2= 306.0869565217391  
y2= 417.39130434782606  
the distance between them is 509.4910170045371  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 306.0869565217391  
y2= 417.39130434782606  
the distance between them is 500.97824907789095  
not detected  
not detected  
not detected  
not detected  
not detected  
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not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 292.17391304347825  
y2= 417.39130434782606  
the distance between them is 509.21786647637606  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 292.17391304347825  
y2= 417.39130434782606  
the distance between them is 509.21786647637606  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 292.17391304347825  
y2= 417.39130434782606  
the distance between them is 509.21786647637606  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 0.0  
   
x2= 598.2608695652174  
y2= 0.0  
   
x2= 292.17391304347825  
y2= 417.39130434782606  
the distance between them is 517.5951370501085  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 403.4782608695652  
y1= 323.4782608695652  
   
x2= 403.4782608695652  
y2= 323.4782608695652  
   
x2= 306.0869565217391  
y2= 417.39130434782606  
the distance between them is 135.29495887844678  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 375.6521739130435  
y2= 114.78260869565217  
the distance between them is 245.8517850027449  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 361.7391304347826  
y1= 302.60869565217394  
   
x2= 361.7391304347826  
y2= 302.60869565217394  
   
x2= 361.7391304347826  
y2= 125.21739130434783  
the distance between them is 177.39130434782612  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 361.7391304347826  
y1= 271.30434782608694  
   
x2= 361.7391304347826  
y2= 271.30434782608694  
   
x2= 347.82608695652175  
y2= 135.65217391304347  
the distance between them is 136.36379675765326  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 347.82608695652175  
y1= 271.30434782608694  
   
x2= 347.82608695652175  
y2= 271.30434782608694  
   
x2= 292.17391304347825  
y2= 417.39130434782606  
the distance between them is 156.32838298604682  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 361.7391304347826  
y1= 281.7391304347826  
   
x2= 361.7391304347826  
y2= 281.7391304347826  
   
x2= 361.7391304347826  
y2= 114.78260869565217  
the distance between them is 166.95652173913044  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 347.82608695652175  
y1= 292.17391304347825  
   
x2= 347.82608695652175  
y2= 292.17391304347825  
   
x2= 320.0  
y2= 135.65217391304347  
the distance between them is 158.97592879341133  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 347.82608695652175  
y1= 313.04347826086956  
   
x2= 347.82608695652175  
y2= 313.04347826086956  
   
x2= 278.2608695652174  
y2= 406.95652173913044  
the distance between them is 116.87163559242745  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 333.9130434782609  
y1= 323.4782608695652  
   
x2= 333.9130434782609  
y2= 323.4782608695652  
   
x2= 250.43478260869566  
y2= 396.5217391304348  
the distance between them is 110.92326065462247  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 320.0  
y1= 333.9130434782609  
   
x2= 320.0  
y2= 333.9130434782609  
   
x2= 250.43478260869566  
y2= 396.5217391304348  
the distance between them is 93.59042815355626  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 320.0  
y1= 333.9130434782609  
   
x2= 320.0  
y2= 333.9130434782609  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 452.9758774566875  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 320.0  
y1= 333.9130434782609  
   
x2= 320.0  
y2= 333.9130434782609  
   
x2= 264.3478260869565  
y2= 386.0869565217391  
the distance between them is 76.28421634595239  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 320.0  
y1= 323.4782608695652  
   
x2= 320.0  
y2= 323.4782608695652  
   
x2= 264.3478260869565  
y2= 396.5217391304348  
the distance between them is 91.82872196482847  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 320.0  
y1= 313.04347826086956  
   
x2= 320.0  
y2= 313.04347826086956  
   
x2= 264.3478260869565  
y2= 386.0869565217391  
the distance between them is 91.82872196482843  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 320.0  
y1= 313.04347826086956  
   
x2= 320.0  
y2= 313.04347826086956  
   
x2= 264.3478260869565  
y2= 386.0869565217391  
the distance between them is 91.82872196482843  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 320.0  
y1= 302.60869565217394  
   
x2= 320.0  
y2= 302.60869565217394  
   
x2= 264.3478260869565  
y2= 396.5217391304348  
the distance between them is 109.16420748852326  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 320.0  
y1= 302.60869565217394  
   
x2= 320.0  
y2= 302.60869565217394  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 430.41985042171444  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 333.9130434782609  
y1= 292.17391304347825  
   
x2= 333.9130434782609  
y2= 292.17391304347825  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 433.3192765884504  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 333.9130434782609  
y1= 292.17391304347825  
   
x2= 333.9130434782609  
y2= 292.17391304347825  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 433.3192765884504  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 347.82608695652175  
y1= 292.17391304347825  
   
x2= 347.82608695652175  
y2= 292.17391304347825  
   
x2= 320.0  
y2= 135.65217391304347  
the distance between them is 158.97592879341133  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 361.7391304347826  
y1= 292.17391304347825  
   
x2= 361.7391304347826  
y2= 292.17391304347825  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 454.2560756122298  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 361.7391304347826  
y1= 281.7391304347826  
   
x2= 361.7391304347826  
y2= 281.7391304347826  
   
x2= 361.7391304347826  
y2= 114.78260869565217  
the distance between them is 166.95652173913044  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 361.7391304347826  
y1= 281.7391304347826  
   
x2= 361.7391304347826  
y2= 281.7391304347826  
   
x2= 347.82608695652175  
y2= 93.91304347826087  
the distance between them is 188.34067993990797  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 361.7391304347826  
y1= 281.7391304347826  
   
x2= 361.7391304347826  
y2= 281.7391304347826  
   
x2= 292.17391304347825  
y2= 417.39130434782606  
the distance between them is 152.4494400056426  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 361.7391304347826  
y1= 292.17391304347825  
   
x2= 361.7391304347826  
y2= 292.17391304347825  
   
x2= 333.9130434782609  
y2= 93.91304347826087  
the distance between them is 200.20405469437438  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 375.6521739130435  
y1= 302.60869565217394  
   
x2= 375.6521739130435  
y2= 302.60869565217394  
   
x2= 278.2608695652174  
y2= 417.39130434782606  
the distance between them is 150.53276527570364  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 389.5652173913044  
y1= 313.04347826086956  
   
x2= 389.5652173913044  
y2= 313.04347826086956  
   
x2= 278.2608695652174  
y2= 417.39130434782606  
the distance between them is 152.56843269190477  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 417.39130434782606  
y1= 323.4782608695652  
   
x2= 417.39130434782606  
y2= 323.4782608695652  
   
x2= 278.2608695652174  
y2= 417.39130434782606  
the distance between them is 167.85987494975518  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 417.39130434782606  
y1= 333.9130434782609  
   
x2= 417.39130434782606  
y2= 333.9130434782609  
   
x2= 278.2608695652174  
y2= 406.95652173913044  
the distance between them is 157.1388799732385  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 389.5652173913044  
y2= 114.78260869565217  
the distance between them is 233.32883243476064  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 389.5652173913044  
y2= 114.78260869565217  
the distance between them is 233.32883243476064  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 431.30434782608694  
y2= 83.47826086956522  
the distance between them is 182.23564379032675  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 584.4409863627317  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 417.39130434782606  
y2= 83.47826086956522  
the distance between them is 195.06191155213847  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 445.2173913043478  
y2= 83.47826086956522  
the distance between them is 169.58082425389782  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 584.4409863627317  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 584.4409863627317  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 584.4409863627317  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 584.4409863627317  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 584.4409863627317  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 417.39130434782606  
y2= 93.91304347826087  
the distance between them is 199.20446696732319  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 403.4782608695652  
y2= 73.04347826086956  
the distance between them is 204.5974423631686  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 361.7391304347826  
y2= 62.608695652173914  
the distance between them is 242.20786585813818  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 375.6521739130435  
y1= 292.17391304347825  
   
x2= 375.6521739130435  
y2= 292.17391304347825  
   
x2= 361.7391304347826  
y2= 73.04347826086956  
the distance between them is 219.571674463814  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 361.7391304347826  
y1= 302.60869565217394  
   
x2= 361.7391304347826  
y2= 302.60869565217394  
   
x2= 361.7391304347826  
y2= 83.47826086956522  
the distance between them is 219.13043478260872  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 361.7391304347826  
y1= 292.17391304347825  
   
x2= 361.7391304347826  
y2= 292.17391304347825  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 454.2560756122298  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 361.7391304347826  
y1= 292.17391304347825  
   
x2= 361.7391304347826  
y2= 292.17391304347825  
   
x2= 361.7391304347826  
y2= 93.91304347826087  
the distance between them is 198.26086956521738  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 361.7391304347826  
y1= 292.17391304347825  
   
x2= 361.7391304347826  
y2= 292.17391304347825  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 454.2560756122298  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 361.7391304347826  
y1= 292.17391304347825  
   
x2= 361.7391304347826  
y2= 292.17391304347825  
   
x2= 278.2608695652174  
y2= 417.39130434782606  
the distance between them is 150.49257497588823  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 361.7391304347826  
y1= 281.7391304347826  
   
x2= 361.7391304347826  
y2= 281.7391304347826  
   
x2= 278.2608695652174  
y2= 417.39130434782606  
the distance between them is 159.28004371276953  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 347.82608695652175  
y2= 73.04347826086956  
the distance between them is 258.1422652560622  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 333.9130434782609  
y2= 31.304347826086957  
the distance between them is 265.1703450788997  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 278.2608695652174  
y2= 406.95652173913044  
the distance between them is 509.53850649683443  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 347.82608695652175  
y1= 260.8695652173913  
   
x2= 347.82608695652175  
y2= 260.8695652173913  
   
x2= 347.82608695652175  
y2= 260.8695652173913  
the distance between them is 0.0  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 361.7391304347826  
y1= 260.8695652173913  
   
x2= 361.7391304347826  
y2= 260.8695652173913  
   
x2= 445.2173913043478  
y2= 417.39130434782606  
the distance between them is 177.39130434782606  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 361.7391304347826  
y1= 250.43478260869566  
   
x2= 361.7391304347826  
y2= 250.43478260869566  
   
x2= 361.7391304347826  
y2= 104.34782608695652  
the distance between them is 146.08695652173913  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 584.4409863627317  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 403.4782608695652  
y1= 229.56521739130434  
   
x2= 403.4782608695652  
y2= 229.56521739130434  
   
x2= 389.5652173913044  
y2= 93.91304347826087  
the distance between them is 136.36379675765326  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 361.7391304347826  
y1= 198.2608695652174  
   
x2= 361.7391304347826  
y2= 198.2608695652174  
   
x2= 375.6521739130435  
y2= 219.1304347826087  
the distance between them is 25.082095829314692  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 361.7391304347826  
y1= 198.2608695652174  
   
x2= 361.7391304347826  
y2= 198.2608695652174  
   
x2= 347.82608695652175  
y2= 83.47826086956522  
the distance between them is 115.62274879022374  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 361.7391304347826  
y1= 187.82608695652175  
   
x2= 361.7391304347826  
y2= 187.82608695652175  
   
x2= 347.82608695652175  
y2= 73.04347826086956  
the distance between them is 115.62274879022374  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 361.7391304347826  
y2= 375.6521739130435  
the distance between them is 435.1163936149023  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 264.3478260869565  
y2= 417.39130434782606  
the distance between them is 526.4138402349679  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 417.39130434782606  
y1= 177.3913043478261  
   
x2= 417.39130434782606  
y2= 177.3913043478261  
   
x2= 389.5652173913044  
y2= 198.2608695652174  
the distance between them is 34.782608695652144  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 403.4782608695652  
y1= 166.95652173913044  
   
x2= 403.4782608695652  
y2= 166.95652173913044  
   
x2= 264.3478260869565  
y2= 406.95652173913044  
the distance between them is 277.4117479177797  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 264.3478260869565  
y2= 417.39130434782606  
the distance between them is 526.4138402349679  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 333.9130434782609  
y2= 10.434782608695652  
the distance between them is 264.3478260869565  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 584.4409863627317  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 361.7391304347826  
y1= 229.56521739130434  
   
x2= 361.7391304347826  
y2= 229.56521739130434  
   
x2= 389.5652173913044  
y2= 62.608695652173914  
the distance between them is 169.25947910395047  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 375.6521739130435  
y1= 240.0  
   
x2= 375.6521739130435  
y2= 240.0  
   
x2= 264.3478260869565  
y2= 417.39130434782606  
the distance between them is 209.41903615290948  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 389.5652173913044  
y1= 260.8695652173913  
   
x2= 389.5652173913044  
y2= 260.8695652173913  
   
x2= 264.3478260869565  
y2= 417.39130434782606  
the distance between them is 200.4456283022457  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 403.4782608695652  
y1= 260.8695652173913  
   
x2= 403.4782608695652  
y2= 260.8695652173913  
   
x2= 264.3478260869565  
y2= 417.39130434782606  
the distance between them is 209.41903615290946  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 417.39130434782606  
y1= 271.30434782608694  
   
x2= 417.39130434782606  
y2= 271.30434782608694  
   
x2= 264.3478260869565  
y2= 406.95652173913044  
the distance between them is 204.50872481515268  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 417.39130434782606  
y1= 281.7391304347826  
   
x2= 417.39130434782606  
y2= 281.7391304347826  
   
x2= 278.2608695652174  
y2= 406.95652173913044  
the distance between them is 187.18085630711246  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 417.39130434782606  
y1= 292.17391304347825  
   
x2= 417.39130434782606  
y2= 292.17391304347825  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 498.1569054599835  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 417.39130434782606  
y1= 292.17391304347825  
   
x2= 417.39130434782606  
y2= 292.17391304347825  
   
x2= 264.3478260869565  
y2= 406.95652173913044  
the distance between them is 191.30434782608697  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 417.39130434782606  
y1= 302.60869565217394  
   
x2= 417.39130434782606  
y2= 302.60869565217394  
   
x2= 264.3478260869565  
y2= 406.95652173913044  
the distance between them is 185.23167938357352  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 278.2608695652174  
y2= 406.95652173913044  
the distance between them is 509.53850649683443  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 264.3478260869565  
y2= 406.95652173913044  
the distance between them is 518.3892458451849  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 417.39130434782606  
y1= 302.60869565217394  
   
x2= 417.39130434782606  
y2= 302.60869565217394  
   
x2= 403.4782608695652  
y2= 83.47826086956522  
the distance between them is 219.571674463814  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 403.4782608695652  
y2= 73.04347826086956  
the distance between them is 204.5974423631686  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 403.4782608695652  
y2= 73.04347826086956  
the distance between them is 204.5974423631686  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 403.4782608695652  
y2= 83.47826086956522  
the distance between them is 208.0279172772964  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 417.39130434782606  
y2= 93.91304347826087  
the distance between them is 199.20446696732319  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 403.4782608695652  
y2= 93.91304347826087  
the distance between them is 211.91716468490876  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 403.4782608695652  
y2= 83.47826086956522  
the distance between them is 208.0279172772964  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 431.30434782608694  
y1= 302.60869565217394  
   
x2= 431.30434782608694  
y2= 302.60869565217394  
   
x2= 417.39130434782606  
y2= 93.91304347826087  
the distance between them is 209.15890613388396  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 431.30434782608694  
y2= 83.47826086956522  
the distance between them is 182.23564379032675  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 431.30434782608694  
y1= 313.04347826086956  
   
x2= 431.30434782608694  
y2= 313.04347826086956  
   
x2= 417.39130434782606  
y2= 93.91304347826087  
the distance between them is 219.571674463814  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 431.30434782608694  
y1= 302.60869565217394  
   
x2= 431.30434782608694  
y2= 302.60869565217394  
   
x2= 264.3478260869565  
y2= 406.95652173913044  
the distance between them is 196.88308449509432  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 417.39130434782606  
y1= 292.17391304347825  
   
x2= 417.39130434782606  
y2= 292.17391304347825  
   
x2= 264.3478260869565  
y2= 406.95652173913044  
the distance between them is 191.30434782608697  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 403.4782608695652  
y1= 292.17391304347825  
   
x2= 403.4782608695652  
y2= 292.17391304347825  
   
x2= 264.3478260869565  
y2= 406.95652173913044  
the distance between them is 180.36719530384937  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 389.5652173913044  
y1= 302.60869565217394  
   
x2= 389.5652173913044  
y2= 302.60869565217394  
   
x2= 445.2173913043478  
y2= 0.0  
the distance between them is 307.68358283398493  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 375.6521739130435  
y1= 313.04347826086956  
   
x2= 375.6521739130435  
y2= 313.04347826086956  
   
x2= 389.5652173913044  
y2= 93.91304347826087  
the distance between them is 219.571674463814  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 375.6521739130435  
y1= 313.04347826086956  
   
x2= 375.6521739130435  
y2= 313.04347826086956  
   
x2= 375.6521739130435  
y2= 104.34782608695652  
the distance between them is 208.69565217391306  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 389.5652173913044  
y1= 313.04347826086956  
   
x2= 389.5652173913044  
y2= 313.04347826086956  
   
x2= 375.6521739130435  
y2= 93.91304347826087  
the distance between them is 219.571674463814  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 389.5652173913044  
y1= 313.04347826086956  
   
x2= 389.5652173913044  
y2= 313.04347826086956  
   
x2= 389.5652173913044  
y2= 104.34782608695652  
the distance between them is 208.69565217391306  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 403.4782608695652  
y1= 313.04347826086956  
   
x2= 403.4782608695652  
y2= 313.04347826086956  
   
x2= 389.5652173913044  
y2= 114.78260869565217  
the distance between them is 198.7484469865969  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 403.4782608695652  
y1= 313.04347826086956  
   
x2= 403.4782608695652  
y2= 313.04347826086956  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 499.7572189401547  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 403.4782608695652  
y1= 313.04347826086956  
   
x2= 403.4782608695652  
y2= 313.04347826086956  
   
x2= 389.5652173913044  
y2= 114.78260869565217  
the distance between them is 198.7484469865969  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 417.39130434782606  
y1= 302.60869565217394  
   
x2= 417.39130434782606  
y2= 302.60869565217394  
   
x2= 389.5652173913044  
y2= 104.34782608695652  
the distance between them is 200.20405469437443  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 417.39130434782606  
y1= 313.04347826086956  
   
x2= 417.39130434782606  
y2= 313.04347826086956  
   
x2= 514.7826086956521  
y2= 386.0869565217391  
the distance between them is 121.73913043478258  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 417.39130434782606  
y1= 302.60869565217394  
   
x2= 417.39130434782606  
y2= 302.60869565217394  
   
x2= 403.4782608695652  
y2= 417.39130434782606  
the distance between them is 115.6227487902237  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 403.4782608695652  
y1= 292.17391304347825  
   
x2= 403.4782608695652  
y2= 292.17391304347825  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 486.9565217391304  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 403.4782608695652  
y1= 292.17391304347825  
   
x2= 403.4782608695652  
y2= 292.17391304347825  
   
x2= 389.5652173913044  
y2= 114.78260869565217  
the distance between them is 177.9360773903118  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 417.39130434782606  
y1= 292.17391304347825  
   
x2= 417.39130434782606  
y2= 292.17391304347825  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 498.1569054599835  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 431.30434782608694  
y1= 292.17391304347825  
   
x2= 431.30434782608694  
y2= 292.17391304347825  
   
x2= 292.17391304347825  
y2= 417.39130434782606  
the distance between them is 187.18085630711246  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 431.30434782608694  
y1= 281.7391304347826  
   
x2= 431.30434782608694  
y2= 281.7391304347826  
   
x2= 292.17391304347825  
y2= 406.95652173913044  
the distance between them is 187.18085630711246  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 445.2173913043478  
y1= 292.17391304347825  
   
x2= 445.2173913043478  
y2= 292.17391304347825  
   
x2= 292.17391304347825  
y2= 406.95652173913044  
the distance between them is 191.30434782608697  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 445.2173913043478  
y1= 292.17391304347825  
   
x2= 445.2173913043478  
y2= 292.17391304347825  
   
x2= 292.17391304347825  
y2= 406.95652173913044  
the distance between them is 191.30434782608697  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 459.1304347826087  
y1= 292.17391304347825  
   
x2= 459.1304347826087  
y2= 292.17391304347825  
   
x2= 292.17391304347825  
y2= 417.39130434782606  
the distance between them is 208.69565217391303  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 459.1304347826087  
y1= 302.60869565217394  
   
x2= 459.1304347826087  
y2= 302.60869565217394  
   
x2= 292.17391304347825  
y2= 417.39130434782606  
the distance between them is 202.606829623801  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 445.2173913043478  
y1= 302.60869565217394  
   
x2= 445.2173913043478  
y2= 302.60869565217394  
   
x2= 292.17391304347825  
y2= 417.39130434782606  
the distance between them is 191.3043478260869  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 445.2173913043478  
y1= 302.60869565217394  
   
x2= 445.2173913043478  
y2= 302.60869565217394  
   
x2= 292.17391304347825  
y2= 406.95652173913044  
the distance between them is 185.23167938357352  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 445.2173913043478  
y1= 313.04347826086956  
   
x2= 445.2173913043478  
y2= 313.04347826086956  
   
x2= 292.17391304347825  
y2= 417.39130434782606  
the distance between them is 185.23167938357352  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 445.2173913043478  
y1= 313.04347826086956  
   
x2= 445.2173913043478  
y2= 313.04347826086956  
   
x2= 292.17391304347825  
y2= 417.39130434782606  
the distance between them is 185.23167938357352  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 459.1304347826087  
y1= 323.4782608695652  
   
x2= 459.1304347826087  
y2= 323.4782608695652  
   
x2= 292.17391304347825  
y2= 417.39130434782606  
the distance between them is 191.55714522454767  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 292.17391304347825  
y2= 417.39130434782606  
the distance between them is 509.21786647637606  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 459.1304347826087  
y1= 323.4782608695652  
   
x2= 459.1304347826087  
y2= 323.4782608695652  
   
x2= 292.17391304347825  
y2= 406.95652173913044  
the distance between them is 186.66306594780855  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 459.1304347826087  
y1= 313.04347826086956  
   
x2= 459.1304347826087  
y2= 313.04347826086956  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 544.2561389653885  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 445.2173913043478  
y1= 313.04347826086956  
   
x2= 445.2173913043478  
y2= 313.04347826086956  
   
x2= 292.17391304347825  
y2= 417.39130434782606  
the distance between them is 185.23167938357352  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 445.2173913043478  
y1= 302.60869565217394  
   
x2= 445.2173913043478  
y2= 302.60869565217394  
   
x2= 292.17391304347825  
y2= 406.95652173913044  
the distance between them is 185.23167938357352  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 445.2173913043478  
y1= 302.60869565217394  
   
x2= 445.2173913043478  
y2= 302.60869565217394  
   
x2= 292.17391304347825  
y2= 406.95652173913044  
the distance between them is 185.23167938357352  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 431.30434782608694  
y1= 302.60869565217394  
   
x2= 431.30434782608694  
y2= 302.60869565217394  
   
x2= 292.17391304347825  
y2= 417.39130434782606  
the distance between them is 180.36719530384934  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 431.30434782608694  
y1= 292.17391304347825  
   
x2= 431.30434782608694  
y2= 292.17391304347825  
   
x2= 292.17391304347825  
y2= 417.39130434782606  
the distance between them is 187.18085630711246  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 417.39130434782606  
y1= 292.17391304347825  
   
x2= 417.39130434782606  
y2= 292.17391304347825  
   
x2= 278.2608695652174  
y2= 417.39130434782606  
the distance between them is 187.18085630711246  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 417.39130434782606  
y1= 292.17391304347825  
   
x2= 417.39130434782606  
y2= 292.17391304347825  
   
x2= 278.2608695652174  
y2= 417.39130434782606  
the distance between them is 187.18085630711246  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 417.39130434782606  
y1= 292.17391304347825  
   
x2= 417.39130434782606  
y2= 292.17391304347825  
   
x2= 278.2608695652174  
y2= 417.39130434782606  
the distance between them is 187.18085630711246  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 417.39130434782606  
y1= 292.17391304347825  
   
x2= 417.39130434782606  
y2= 292.17391304347825  
   
x2= 389.5652173913044  
y2= 93.91304347826087  
the distance between them is 200.20405469437438  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 417.39130434782606  
y1= 292.17391304347825  
   
x2= 417.39130434782606  
y2= 292.17391304347825  
   
x2= 278.2608695652174  
y2= 417.39130434782606  
the distance between them is 187.18085630711246  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 403.4782608695652  
y1= 292.17391304347825  
   
x2= 403.4782608695652  
y2= 292.17391304347825  
   
x2= 278.2608695652174  
y2= 417.39130434782606  
the distance between them is 177.08413302758754  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 417.39130434782606  
y1= 292.17391304347825  
   
x2= 417.39130434782606  
y2= 292.17391304347825  
   
x2= 278.2608695652174  
y2= 417.39130434782606  
the distance between them is 187.18085630711246  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 417.39130434782606  
y1= 292.17391304347825  
   
x2= 417.39130434782606  
y2= 292.17391304347825  
   
x2= 278.2608695652174  
y2= 417.39130434782606  
the distance between them is 187.18085630711246  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 417.39130434782606  
y1= 292.17391304347825  
   
x2= 417.39130434782606  
y2= 292.17391304347825  
   
x2= 278.2608695652174  
y2= 406.95652173913044  
the distance between them is 180.36719530384937  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 417.39130434782606  
y1= 281.7391304347826  
   
x2= 417.39130434782606  
y2= 281.7391304347826  
   
x2= 278.2608695652174  
y2= 417.39130434782606  
the distance between them is 194.31621180470844  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 403.4782608695652  
y1= 281.7391304347826  
   
x2= 403.4782608695652  
y2= 281.7391304347826  
   
x2= 278.2608695652174  
y2= 417.39130434782606  
the distance between them is 184.6101497003909  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 417.39130434782606  
y1= 281.7391304347826  
   
x2= 417.39130434782606  
y2= 281.7391304347826  
   
x2= 278.2608695652174  
y2= 417.39130434782606  
the distance between them is 194.31621180470844  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 417.39130434782606  
y1= 281.7391304347826  
   
x2= 417.39130434782606  
y2= 281.7391304347826  
   
x2= 292.17391304347825  
y2= 417.39130434782606  
the distance between them is 184.6101497003909  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 403.4782608695652  
y1= 281.7391304347826  
   
x2= 403.4782608695652  
y2= 281.7391304347826  
   
x2= 292.17391304347825  
y2= 417.39130434782606  
the distance between them is 175.47128007832256  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 403.4782608695652  
y1= 281.7391304347826  
   
x2= 403.4782608695652  
y2= 281.7391304347826  
   
x2= 292.17391304347825  
y2= 417.39130434782606  
the distance between them is 175.47128007832256  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 403.4782608695652  
y1= 281.7391304347826  
   
x2= 403.4782608695652  
y2= 281.7391304347826  
   
x2= 278.2608695652174  
y2= 406.95652173913044  
the distance between them is 177.08413302758754  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 403.4782608695652  
y1= 281.7391304347826  
   
x2= 403.4782608695652  
y2= 281.7391304347826  
   
x2= 278.2608695652174  
y2= 417.39130434782606  
the distance between them is 184.6101497003909  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 403.4782608695652  
y1= 281.7391304347826  
   
x2= 403.4782608695652  
y2= 281.7391304347826  
   
x2= 389.5652173913044  
y2= 93.91304347826087  
the distance between them is 188.34067993990797  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 403.4782608695652  
y1= 281.7391304347826  
   
x2= 403.4782608695652  
y2= 281.7391304347826  
   
x2= 278.2608695652174  
y2= 417.39130434782606  
the distance between them is 184.6101497003909  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 403.4782608695652  
y1= 281.7391304347826  
   
x2= 403.4782608695652  
y2= 281.7391304347826  
   
x2= 278.2608695652174  
y2= 417.39130434782606  
the distance between them is 184.6101497003909  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 403.4782608695652  
y1= 281.7391304347826  
   
x2= 403.4782608695652  
y2= 281.7391304347826  
   
x2= 278.2608695652174  
y2= 417.39130434782606  
the distance between them is 184.6101497003909  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 403.4782608695652  
y1= 292.17391304347825  
   
x2= 403.4782608695652  
y2= 292.17391304347825  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 486.9565217391304  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 403.4782608695652  
y1= 292.17391304347825  
   
x2= 403.4782608695652  
y2= 292.17391304347825  
   
x2= 389.5652173913044  
y2= 93.91304347826087  
the distance between them is 198.7484469865969  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 403.4782608695652  
y1= 302.60869565217394  
   
x2= 403.4782608695652  
y2= 302.60869565217394  
   
x2= 278.2608695652174  
y2= 417.39130434782606  
the distance between them is 169.86595404625777  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 403.4782608695652  
y1= 302.60869565217394  
   
x2= 403.4782608695652  
y2= 302.60869565217394  
   
x2= 403.4782608695652  
y2= 93.91304347826087  
the distance between them is 208.69565217391306  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 403.4782608695652  
y1= 302.60869565217394  
   
x2= 403.4782608695652  
y2= 302.60869565217394  
   
x2= 278.2608695652174  
y2= 417.39130434782606  
the distance between them is 169.86595404625777  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 403.4782608695652  
y1= 302.60869565217394  
   
x2= 403.4782608695652  
y2= 302.60869565217394  
   
x2= 389.5652173913044  
y2= 104.34782608695652  
the distance between them is 198.74844698659695  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 403.4782608695652  
y1= 302.60869565217394  
   
x2= 403.4782608695652  
y2= 302.60869565217394  
   
x2= 389.5652173913044  
y2= 104.34782608695652  
the distance between them is 198.74844698659695  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 403.4782608695652  
y1= 302.60869565217394  
   
x2= 403.4782608695652  
y2= 302.60869565217394  
   
x2= 389.5652173913044  
y2= 93.91304347826087  
the distance between them is 209.15890613388396  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 403.4782608695652  
y1= 281.7391304347826  
   
x2= 403.4782608695652  
y2= 281.7391304347826  
   
x2= 278.2608695652174  
y2= 417.39130434782606  
the distance between them is 184.6101497003909  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 278.2608695652174  
y2= 417.39130434782606  
the distance between them is 517.700309625184  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 375.6521739130435  
y1= 240.0  
   
x2= 375.6521739130435  
y2= 240.0  
   
x2= 278.2608695652174  
y2= 417.39130434782606  
the distance between them is 202.36783593445364  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 375.6521739130435  
y2= 62.608695652173914  
the distance between them is 228.6410911936667  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 361.7391304347826  
y1= 250.43478260869566  
   
x2= 361.7391304347826  
y2= 250.43478260869566  
   
x2= 278.2608695652174  
y2= 417.39130434782606  
the distance between them is 186.66306594780852  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 361.7391304347826  
y1= 260.8695652173913  
   
x2= 361.7391304347826  
y2= 260.8695652173913  
   
x2= 278.2608695652174  
y2= 417.39130434782606  
the distance between them is 177.39130434782606  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 361.7391304347826  
y1= 250.43478260869566  
   
x2= 361.7391304347826  
y2= 250.43478260869566  
   
x2= 278.2608695652174  
y2= 406.95652173913044  
the distance between them is 177.3913043478261  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 361.7391304347826  
y1= 250.43478260869566  
   
x2= 361.7391304347826  
y2= 250.43478260869566  
   
x2= 292.17391304347825  
y2= 406.95652173913044  
the distance between them is 171.28448350949748  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 361.7391304347826  
y1= 250.43478260869566  
   
x2= 361.7391304347826  
y2= 250.43478260869566  
   
x2= 347.82608695652175  
y2= 83.47826086956522  
the distance between them is 167.53522892232758  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 361.7391304347826  
y1= 250.43478260869566  
   
x2= 361.7391304347826  
y2= 250.43478260869566  
   
x2= 278.2608695652174  
y2= 417.39130434782606  
the distance between them is 186.66306594780852  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 361.7391304347826  
y1= 250.43478260869566  
   
x2= 361.7391304347826  
y2= 250.43478260869566  
   
x2= 361.7391304347826  
y2= 73.04347826086956  
the distance between them is 177.3913043478261  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 361.7391304347826  
y1= 260.8695652173913  
   
x2= 361.7391304347826  
y2= 260.8695652173913  
   
x2= 361.7391304347826  
y2= 83.47826086956522  
the distance between them is 177.3913043478261  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 361.7391304347826  
y1= 260.8695652173913  
   
x2= 361.7391304347826  
y2= 260.8695652173913  
   
x2= 278.2608695652174  
y2= 417.39130434782606  
the distance between them is 177.39130434782606  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 375.6521739130435  
y1= 271.30434782608694  
   
x2= 375.6521739130435  
y2= 271.30434782608694  
   
x2= 361.7391304347826  
y2= 396.5217391304348  
the distance between them is 125.98796713930324  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 375.6521739130435  
y1= 271.30434782608694  
   
x2= 375.6521739130435  
y2= 271.30434782608694  
   
x2= 375.6521739130435  
y2= 406.95652173913044  
the distance between them is 135.6521739130435  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 375.6521739130435  
y1= 271.30434782608694  
   
x2= 375.6521739130435  
y2= 271.30434782608694  
   
x2= 361.7391304347826  
y2= 104.34782608695652  
the distance between them is 167.53522892232758  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 375.6521739130435  
y1= 281.7391304347826  
   
x2= 375.6521739130435  
y2= 281.7391304347826  
   
x2= 278.2608695652174  
y2= 417.39130434782606  
the distance between them is 166.9927496926303  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 375.6521739130435  
y1= 281.7391304347826  
   
x2= 375.6521739130435  
y2= 281.7391304347826  
   
x2= 278.2608695652174  
y2= 417.39130434782606  
the distance between them is 166.9927496926303  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 375.6521739130435  
y1= 292.17391304347825  
   
x2= 375.6521739130435  
y2= 292.17391304347825  
   
x2= 361.7391304347826  
y2= 104.34782608695652  
the distance between them is 188.34067993990797  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 375.6521739130435  
y1= 292.17391304347825  
   
x2= 375.6521739130435  
y2= 292.17391304347825  
   
x2= 278.2608695652174  
y2= 417.39130434782606  
the distance between them is 158.63310262248876  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 375.6521739130435  
y2= 104.34782608695652  
the distance between them is 241.60772155564874  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 375.6521739130435  
y2= 104.34782608695652  
the distance between them is 241.60772155564874  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 389.5652173913044  
y1= 292.17391304347825  
   
x2= 389.5652173913044  
y2= 292.17391304347825  
   
x2= 375.6521739130435  
y2= 104.34782608695652  
the distance between them is 188.34067993990797  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 389.5652173913044  
y2= 104.34782608695652  
the distance between them is 228.8526490378571  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 389.5652173913044  
y1= 302.60869565217394  
   
x2= 389.5652173913044  
y2= 302.60869565217394  
   
x2= 389.5652173913044  
y2= 114.78260869565217  
the distance between them is 187.82608695652175  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 389.5652173913044  
y1= 302.60869565217394  
   
x2= 389.5652173913044  
y2= 302.60869565217394  
   
x2= 375.6521739130435  
y2= 114.78260869565217  
the distance between them is 188.34067993990797  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 389.5652173913044  
y1= 302.60869565217394  
   
x2= 389.5652173913044  
y2= 302.60869565217394  
   
x2= 375.6521739130435  
y2= 114.78260869565217  
the distance between them is 188.34067993990797  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 389.5652173913044  
y1= 302.60869565217394  
   
x2= 389.5652173913044  
y2= 302.60869565217394  
   
x2= 389.5652173913044  
y2= 104.34782608695652  
the distance between them is 198.26086956521743  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 389.5652173913044  
y1= 302.60869565217394  
   
x2= 389.5652173913044  
y2= 302.60869565217394  
   
x2= 375.6521739130435  
y2= 104.34782608695652  
the distance between them is 198.74844698659695  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 389.5652173913044  
y1= 302.60869565217394  
   
x2= 389.5652173913044  
y2= 302.60869565217394  
   
x2= 375.6521739130435  
y2= 114.78260869565217  
the distance between them is 188.34067993990797  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 375.6521739130435  
y1= 302.60869565217394  
   
x2= 375.6521739130435  
y2= 302.60869565217394  
   
x2= 375.6521739130435  
y2= 114.78260869565217  
the distance between them is 187.82608695652175  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 375.6521739130435  
y2= 135.65217391304347  
the distance between them is 255.40952696606354  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 389.5652173913044  
y1= 313.04347826086956  
   
x2= 389.5652173913044  
y2= 313.04347826086956  
   
x2= 278.2608695652174  
y2= 417.39130434782606  
the distance between them is 152.56843269190477  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 278.2608695652174  
y2= 427.82608695652175  
the distance between them is 525.9424882486484  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 389.5652173913044  
y1= 313.04347826086956  
   
x2= 389.5652173913044  
y2= 313.04347826086956  
   
x2= 278.2608695652174  
y2= 427.82608695652175  
the distance between them is 159.88653821998201  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 389.5652173913044  
y1= 313.04347826086956  
   
x2= 389.5652173913044  
y2= 313.04347826086956  
   
x2= 278.2608695652174  
y2= 417.39130434782606  
the distance between them is 152.56843269190477  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 389.5652173913044  
y1= 313.04347826086956  
   
x2= 389.5652173913044  
y2= 313.04347826086956  
   
x2= 278.2608695652174  
y2= 427.82608695652175  
the distance between them is 159.88653821998201  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 389.5652173913044  
y1= 302.60869565217394  
   
x2= 389.5652173913044  
y2= 302.60869565217394  
   
x2= 278.2608695652174  
y2= 427.82608695652175  
the distance between them is 167.5352289223276  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 389.5652173913044  
y1= 292.17391304347825  
   
x2= 389.5652173913044  
y2= 292.17391304347825  
   
x2= 278.2608695652174  
y2= 417.39130434782606  
the distance between them is 167.5352289223276  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 389.5652173913044  
y1= 281.7391304347826  
   
x2= 389.5652173913044  
y2= 281.7391304347826  
   
x2= 278.2608695652174  
y2= 417.39130434782606  
the distance between them is 175.47128007832262  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 403.4782608695652  
y1= 281.7391304347826  
   
x2= 403.4782608695652  
y2= 281.7391304347826  
   
x2= 292.17391304347825  
y2= 417.39130434782606  
the distance between them is 175.47128007832256  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 389.5652173913044  
y1= 281.7391304347826  
   
x2= 389.5652173913044  
y2= 281.7391304347826  
   
x2= 292.17391304347825  
y2= 417.39130434782606  
the distance between them is 166.9927496926303  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 389.5652173913044  
y1= 292.17391304347825  
   
x2= 389.5652173913044  
y2= 292.17391304347825  
   
x2= 292.17391304347825  
y2= 417.39130434782606  
the distance between them is 158.63310262248876  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 389.5652173913044  
y1= 292.17391304347825  
   
x2= 389.5652173913044  
y2= 292.17391304347825  
   
x2= 292.17391304347825  
y2= 417.39130434782606  
the distance between them is 158.63310262248876  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 403.4782608695652  
y1= 292.17391304347825  
   
x2= 403.4782608695652  
y2= 292.17391304347825  
   
x2= 375.6521739130435  
y2= 406.95652173913044  
the distance between them is 118.10731719199752  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 403.4782608695652  
y1= 292.17391304347825  
   
x2= 403.4782608695652  
y2= 292.17391304347825  
   
x2= 292.17391304347825  
y2= 417.39130434782606  
the distance between them is 167.53522892232758  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 403.4782608695652  
y1= 292.17391304347825  
   
x2= 403.4782608695652  
y2= 292.17391304347825  
   
x2= 292.17391304347825  
y2= 417.39130434782606  
the distance between them is 167.53522892232758  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 403.4782608695652  
y1= 292.17391304347825  
   
x2= 403.4782608695652  
y2= 292.17391304347825  
   
x2= 292.17391304347825  
y2= 417.39130434782606  
the distance between them is 167.53522892232758  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 403.4782608695652  
y1= 292.17391304347825  
   
x2= 403.4782608695652  
y2= 292.17391304347825  
   
x2= 389.5652173913044  
y2= 406.95652173913044  
the distance between them is 115.62274879022374  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 403.4782608695652  
y1= 292.17391304347825  
   
x2= 403.4782608695652  
y2= 292.17391304347825  
   
x2= 389.5652173913044  
y2= 406.95652173913044  
the distance between them is 115.62274879022374  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 403.4782608695652  
y1= 292.17391304347825  
   
x2= 403.4782608695652  
y2= 292.17391304347825  
   
x2= 375.6521739130435  
y2= 417.39130434782606  
the distance between them is 128.27192288407494  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 403.4782608695652  
y1= 292.17391304347825  
   
x2= 403.4782608695652  
y2= 292.17391304347825  
   
x2= 389.5652173913044  
y2= 406.95652173913044  
the distance between them is 115.62274879022374  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 403.4782608695652  
y1= 292.17391304347825  
   
x2= 403.4782608695652  
y2= 292.17391304347825  
   
x2= 292.17391304347825  
y2= 417.39130434782606  
the distance between them is 167.53522892232758  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 403.4782608695652  
y1= 292.17391304347825  
   
x2= 403.4782608695652  
y2= 292.17391304347825  
   
x2= 292.17391304347825  
y2= 417.39130434782606  
the distance between them is 167.53522892232758  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 403.4782608695652  
y1= 292.17391304347825  
   
x2= 403.4782608695652  
y2= 292.17391304347825  
   
x2= 375.6521739130435  
y2= 417.39130434782606  
the distance between them is 128.27192288407494  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 403.4782608695652  
y1= 302.60869565217394  
   
x2= 403.4782608695652  
y2= 302.60869565217394  
   
x2= 389.5652173913044  
y2= 417.39130434782606  
the distance between them is 115.62274879022368  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 403.4782608695652  
y1= 302.60869565217394  
   
x2= 403.4782608695652  
y2= 302.60869565217394  
   
x2= 389.5652173913044  
y2= 114.78260869565217  
the distance between them is 188.34067993990797  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 375.6521739130435  
y2= 125.21739130434783  
the distance between them is 250.4589360333174  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 389.5652173913044  
y1= 333.9130434782609  
   
x2= 389.5652173913044  
y2= 333.9130434782609  
   
x2= 375.6521739130435  
y2= 135.65217391304347  
the distance between them is 198.74844698659692  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 389.5652173913044  
y1= 333.9130434782609  
   
x2= 389.5652173913044  
y2= 333.9130434782609  
   
x2= 292.17391304347825  
y2= 417.39130434782606  
the distance between them is 128.27192288407497  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 292.17391304347825  
y2= 417.39130434782606  
the distance between them is 509.21786647637606  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 375.6521739130435  
y2= 135.65217391304347  
the distance between them is 255.40952696606354  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 375.6521739130435  
y2= 135.65217391304347  
the distance between them is 255.40952696606354  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 389.5652173913044  
y1= 344.3478260869565  
   
x2= 389.5652173913044  
y2= 344.3478260869565  
   
x2= 375.6521739130435  
y2= 146.08695652173913  
the distance between them is 198.7484469865969  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 389.5652173913044  
y1= 333.9130434782609  
   
x2= 389.5652173913044  
y2= 333.9130434782609  
   
x2= 375.6521739130435  
y2= 135.65217391304347  
the distance between them is 198.74844698659692  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 389.5652173913044  
y1= 333.9130434782609  
   
x2= 389.5652173913044  
y2= 333.9130434782609  
   
x2= 292.17391304347825  
y2= 417.39130434782606  
the distance between them is 128.27192288407497  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 389.5652173913044  
y1= 323.4782608695652  
   
x2= 389.5652173913044  
y2= 323.4782608695652  
   
x2= 292.17391304347825  
y2= 417.39130434782606  
the distance between them is 135.2949588784468  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 389.5652173913044  
y1= 323.4782608695652  
   
x2= 389.5652173913044  
y2= 323.4782608695652  
   
x2= 375.6521739130435  
y2= 125.21739130434783  
the distance between them is 198.7484469865969  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 292.17391304347825  
y2= 417.39130434782606  
the distance between them is 509.21786647637606  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 375.6521739130435  
y2= 135.65217391304347  
the distance between them is 255.40952696606354  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 403.4782608695652  
y1= 333.9130434782609  
   
x2= 403.4782608695652  
y2= 333.9130434782609  
   
x2= 375.6521739130435  
y2= 146.08695652173913  
the distance between them is 189.87609132460773  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 403.4782608695652  
y1= 333.9130434782609  
   
x2= 403.4782608695652  
y2= 333.9130434782609  
   
x2= 389.5652173913044  
y2= 146.08695652173913  
the distance between them is 188.34067993990797  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 403.4782608695652  
y1= 323.4782608695652  
   
x2= 403.4782608695652  
y2= 323.4782608695652  
   
x2= 389.5652173913044  
y2= 135.65217391304347  
the distance between them is 188.34067993990791  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 403.4782608695652  
y1= 313.04347826086956  
   
x2= 403.4782608695652  
y2= 313.04347826086956  
   
x2= 278.2608695652174  
y2= 417.39130434782606  
the distance between them is 162.9965149754432  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 417.39130434782606  
y1= 313.04347826086956  
   
x2= 417.39130434782606  
y2= 313.04347826086956  
   
x2= 403.4782608695652  
y2= 114.78260869565217  
the distance between them is 198.7484469865969  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 431.30434782608694  
y1= 313.04347826086956  
   
x2= 431.30434782608694  
y2= 313.04347826086956  
   
x2= 278.2608695652174  
y2= 417.39130434782606  
the distance between them is 185.23167938357352  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 431.30434782608694  
y1= 313.04347826086956  
   
x2= 431.30434782608694  
y2= 313.04347826086956  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 521.7391304347826  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 445.2173913043478  
y1= 313.04347826086956  
   
x2= 445.2173913043478  
y2= 313.04347826086956  
   
x2= 403.4782608695652  
y2= 93.91304347826087  
the distance between them is 223.07017384102903  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 445.2173913043478  
y1= 323.4782608695652  
   
x2= 445.2173913043478  
y2= 323.4782608695652  
   
x2= 403.4782608695652  
y2= 83.47826086956522  
the distance between them is 243.60245279851304  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 445.2173913043478  
y1= 313.04347826086956  
   
x2= 445.2173913043478  
y2= 313.04347826086956  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 532.9349488777685  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 445.2173913043478  
y1= 323.4782608695652  
   
x2= 445.2173913043478  
y2= 323.4782608695652  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 539.1304347826086  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 431.30434782608694  
y1= 323.4782608695652  
   
x2= 431.30434782608694  
y2= 323.4782608695652  
   
x2= 403.4782608695652  
y2= 83.47826086956522  
the distance between them is 241.60772155564877  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 431.30434782608694  
y1= 323.4782608695652  
   
x2= 431.30434782608694  
y2= 323.4782608695652  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 528.0659865967302  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 431.30434782608694  
y1= 313.04347826086956  
   
x2= 431.30434782608694  
y2= 313.04347826086956  
   
x2= 417.39130434782606  
y2= 83.47826086956522  
the distance between them is 229.9864383278823  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 445.2173913043478  
y1= 323.4782608695652  
   
x2= 445.2173913043478  
y2= 323.4782608695652  
   
x2= 431.30434782608694  
y2= 83.47826086956522  
the distance between them is 240.40293837394742  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 445.2173913043478  
y1= 313.04347826086956  
   
x2= 445.2173913043478  
y2= 313.04347826086956  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 532.9349488777685  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 445.2173913043478  
y1= 323.4782608695652  
   
x2= 445.2173913043478  
y2= 323.4782608695652  
   
x2= 417.39130434782606  
y2= 83.47826086956522  
the distance between them is 241.60772155564877  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 445.2173913043478  
y1= 323.4782608695652  
   
x2= 445.2173913043478  
y2= 323.4782608695652  
   
x2= 417.39130434782606  
y2= 93.91304347826087  
the distance between them is 231.24549758044745  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 445.2173913043478  
y1= 323.4782608695652  
   
x2= 445.2173913043478  
y2= 323.4782608695652  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 539.1304347826086  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 459.1304347826087  
y1= 323.4782608695652  
   
x2= 459.1304347826087  
y2= 323.4782608695652  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 550.324186979863  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 459.1304347826087  
y1= 313.04347826086956  
   
x2= 459.1304347826087  
y2= 313.04347826086956  
   
x2= 431.30434782608694  
y2= 83.47826086956522  
the distance between them is 231.24549758044748  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 459.1304347826087  
y1= 313.04347826086956  
   
x2= 459.1304347826087  
y2= 313.04347826086956  
   
x2= 278.2608695652174  
y2= 406.95652173913044  
the distance between them is 203.79759409099483  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 473.04347826086956  
y1= 323.4782608695652  
   
x2= 473.04347826086956  
y2= 323.4782608695652  
   
x2= 278.2608695652174  
y2= 406.95652173913044  
the distance between them is 211.91716468490876  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 473.04347826086956  
y1= 313.04347826086956  
   
x2= 473.04347826086956  
y2= 313.04347826086956  
   
x2= 278.2608695652174  
y2= 406.95652173913044  
the distance between them is 216.24043189383727  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 473.04347826086956  
y1= 302.60869565217394  
   
x2= 473.04347826086956  
y2= 302.60869565217394  
   
x2= 278.2608695652174  
y2= 406.95652173913044  
the distance between them is 220.97224590286734  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 486.95652173913044  
y1= 302.60869565217394  
   
x2= 486.95652173913044  
y2= 302.60869565217394  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 561.5533411969443  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 500.8695652173913  
y1= 292.17391304347825  
   
x2= 500.8695652173913  
y2= 292.17391304347825  
   
x2= 278.2608695652174  
y2= 406.95652173913044  
the distance between them is 250.45893603331746  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 500.8695652173913  
y1= 292.17391304347825  
   
x2= 500.8695652173913  
y2= 292.17391304347825  
   
x2= 278.2608695652174  
y2= 417.39130434782606  
the distance between them is 255.40952696606357  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 500.8695652173913  
y1= 292.17391304347825  
   
x2= 500.8695652173913  
y2= 292.17391304347825  
   
x2= 278.2608695652174  
y2= 406.95652173913044  
the distance between them is 250.45893603331746  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 500.8695652173913  
y1= 292.17391304347825  
   
x2= 500.8695652173913  
y2= 292.17391304347825  
   
x2= 278.2608695652174  
y2= 417.39130434782606  
the distance between them is 255.40952696606357  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 500.8695652173913  
y1= 292.17391304347825  
   
x2= 500.8695652173913  
y2= 292.17391304347825  
   
x2= 278.2608695652174  
y2= 417.39130434782606  
the distance between them is 255.40952696606357  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 500.8695652173913  
y1= 292.17391304347825  
   
x2= 500.8695652173913  
y2= 292.17391304347825  
   
x2= 278.2608695652174  
y2= 417.39130434782606  
the distance between them is 255.40952696606357  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 500.8695652173913  
y1= 281.7391304347826  
   
x2= 500.8695652173913  
y2= 281.7391304347826  
   
x2= 278.2608695652174  
y2= 406.95652173913044  
the distance between them is 255.40952696606357  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 500.8695652173913  
y1= 281.7391304347826  
   
x2= 500.8695652173913  
y2= 281.7391304347826  
   
x2= 278.2608695652174  
y2= 406.95652173913044  
the distance between them is 255.40952696606357  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 514.7826086956521  
y1= 292.17391304347825  
   
x2= 514.7826086956521  
y2= 292.17391304347825  
   
x2= 278.2608695652174  
y2= 406.95652173913044  
the distance between them is 262.90222581839174  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 500.8695652173913  
y1= 281.7391304347826  
   
x2= 500.8695652173913  
y2= 281.7391304347826  
   
x2= 278.2608695652174  
y2= 406.95652173913044  
the distance between them is 255.40952696606357  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 514.7826086956521  
y1= 281.7391304347826  
   
x2= 514.7826086956521  
y2= 281.7391304347826  
   
x2= 278.2608695652174  
y2= 406.95652173913044  
the distance between them is 267.62273477107954  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 500.8695652173913  
y1= 292.17391304347825  
   
x2= 500.8695652173913  
y2= 292.17391304347825  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 567.8840106284118  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 500.8695652173913  
y1= 281.7391304347826  
   
x2= 500.8695652173913  
y2= 281.7391304347826  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 562.5865192860736  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 500.8695652173913  
y1= 292.17391304347825  
   
x2= 500.8695652173913  
y2= 292.17391304347825  
   
x2= 278.2608695652174  
y2= 406.95652173913044  
the distance between them is 250.45893603331746  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 500.8695652173913  
y1= 292.17391304347825  
   
x2= 500.8695652173913  
y2= 292.17391304347825  
   
x2= 278.2608695652174  
y2= 406.95652173913044  
the distance between them is 250.45893603331746  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 500.8695652173913  
y1= 292.17391304347825  
   
x2= 500.8695652173913  
y2= 292.17391304347825  
   
x2= 278.2608695652174  
y2= 406.95652173913044  
the distance between them is 250.45893603331746  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 486.95652173913044  
y1= 292.17391304347825  
   
x2= 486.95652173913044  
y2= 292.17391304347825  
   
x2= 278.2608695652174  
y2= 417.39130434782606  
the distance between them is 243.3788616978908  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 486.95652173913044  
y1= 292.17391304347825  
   
x2= 486.95652173913044  
y2= 292.17391304347825  
   
x2= 278.2608695652174  
y2= 417.39130434782606  
the distance between them is 243.3788616978908  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 486.95652173913044  
y1= 292.17391304347825  
   
x2= 486.95652173913044  
y2= 292.17391304347825  
   
x2= 278.2608695652174  
y2= 406.95652173913044  
the distance between them is 238.17834178462599  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 473.04347826086956  
y1= 292.17391304347825  
   
x2= 473.04347826086956  
y2= 292.17391304347825  
   
x2= 278.2608695652174  
y2= 417.39130434782606  
the distance between them is 231.55919272477547  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 473.04347826086956  
y1= 292.17391304347825  
   
x2= 473.04347826086956  
y2= 292.17391304347825  
   
x2= 292.17391304347825  
y2= 417.39130434782606  
the distance between them is 219.98453288127857  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 486.95652173913044  
y1= 292.17391304347825  
   
x2= 486.95652173913044  
y2= 292.17391304347825  
   
x2= 292.17391304347825  
y2= 417.39130434782606  
the distance between them is 231.55919272477547  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 486.95652173913044  
y1= 302.60869565217394  
   
x2= 486.95652173913044  
y2= 302.60869565217394  
   
x2= 500.8695652173913  
y2= 375.6521739130435  
the distance between them is 74.35672461367635  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 514.7826086956521  
y1= 302.60869565217394  
   
x2= 514.7826086956521  
y2= 302.60869565217394  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 585.1857346564154  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 514.7826086956521  
y1= 313.04347826086956  
   
x2= 514.7826086956521  
y2= 313.04347826086956  
   
x2= 528.695652173913  
y2= 375.6521739130435  
the distance between them is 64.1359614420375  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 514.7826086956521  
y1= 313.04347826086956  
   
x2= 514.7826086956521  
y2= 313.04347826086956  
   
x2= 278.2608695652174  
y2= 281.7391304347826  
the distance between them is 238.58435672546108  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 514.7826086956521  
y1= 323.4782608695652  
   
x2= 514.7826086956521  
y2= 323.4782608695652  
   
x2= 500.8695652173913  
y2= 365.2173913043478  
the distance between them is 43.99690657625571  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 514.7826086956521  
y1= 323.4782608695652  
   
x2= 514.7826086956521  
y2= 323.4782608695652  
   
x2= 528.695652173913  
y2= 375.6521739130435  
the distance between them is 53.99712937829578  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 514.7826086956521  
y1= 323.4782608695652  
   
x2= 514.7826086956521  
y2= 323.4782608695652  
   
x2= 528.695652173913  
y2= 375.6521739130435  
the distance between them is 53.99712937829578  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 514.7826086956521  
y1= 333.9130434782609  
   
x2= 514.7826086956521  
y2= 333.9130434782609  
   
x2= 320.0  
y2= 281.7391304347826  
the distance between them is 201.64915534797552  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 528.695652173913  
y1= 344.3478260869565  
   
x2= 528.695652173913  
y2= 344.3478260869565  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 619.3355791057976  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 514.7826086956521  
y1= 333.9130434782609  
   
x2= 514.7826086956521  
y2= 333.9130434782609  
   
x2= 598.2608695652174  
y2= 396.5217391304348  
the distance between them is 104.34782608695656  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 528.695652173913  
y1= 344.3478260869565  
   
x2= 528.695652173913  
y2= 344.3478260869565  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 619.3355791057976  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 584.4409863627317  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 500.8695652173913  
y1= 344.3478260869565  
   
x2= 500.8695652173913  
y2= 344.3478260869565  
   
x2= 528.695652173913  
y2= 386.0869565217391  
the distance between them is 50.1641916586294  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 514.7826086956521  
y1= 344.3478260869565  
   
x2= 514.7826086956521  
y2= 344.3478260869565  
   
x2= 486.95652173913044  
y2= 375.6521739130435  
the distance between them is 41.883807230581894  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 514.7826086956521  
y1= 344.3478260869565  
   
x2= 514.7826086956521  
y2= 344.3478260869565  
   
x2= 500.8695652173913  
y2= 375.6521739130435  
the distance between them is 34.25689670189951  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 500.8695652173913  
y1= 333.9130434782609  
   
x2= 500.8695652173913  
y2= 333.9130434782609  
   
x2= 528.695652173913  
y2= 386.0869565217391  
the distance between them is 59.13043478260867  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 514.7826086956521  
y1= 333.9130434782609  
   
x2= 514.7826086956521  
y2= 333.9130434782609  
   
x2= 528.695652173913  
y2= 386.0869565217391  
the distance between them is 53.997129378295725  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 514.7826086956521  
y1= 333.9130434782609  
   
x2= 514.7826086956521  
y2= 333.9130434782609  
   
x2= 542.6086956521739  
y2= 386.0869565217391  
the distance between them is 59.130434782608695  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 514.7826086956521  
y1= 344.3478260869565  
   
x2= 514.7826086956521  
y2= 344.3478260869565  
   
x2= 514.7826086956521  
y2= 344.3478260869565  
the distance between them is 0.0  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 584.4409863627317  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 584.4409863627317  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 584.4409863627317  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 13.91304347826087  
y2= 0.0  
the distance between them is 584.4409863627317  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 389.5652173913044  
y2= 333.9130434782609  
the distance between them is 384.95721904062714  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 375.6521739130435  
y2= 323.4782608695652  
the distance between them is 384.1234836112285  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 389.5652173913044  
y2= 281.7391304347826  
the distance between them is 342.28631930831426  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 612.1739130434783  
y1= 459.1304347826087  
   
x2= 612.1739130434783  
y2= 459.1304347826087  
   
x2= 389.5652173913044  
y2= 333.9130434782609  
the distance between them is 255.40952696606354  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 448.69565217391306  
   
x2= 598.2608695652174  
y2= 448.69565217391306  
   
x2= 250.43478260869566  
y2= 365.2173913043478  
the distance between them is 357.7032384607288  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 612.1739130434783  
y1= 459.1304347826087  
   
x2= 612.1739130434783  
y2= 459.1304347826087  
   
x2= 598.2608695652174  
y2= 459.1304347826087  
the distance between them is 13.913043478260875  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 612.1739130434783  
y1= 459.1304347826087  
   
x2= 612.1739130434783  
y2= 459.1304347826087  
   
x2= 166.95652173913044  
y2= 354.7826086956522  
the distance between them is 457.2821823873335  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 612.1739130434783  
y1= 459.1304347826087  
   
x2= 612.1739130434783  
y2= 459.1304347826087  
   
x2= 166.95652173913044  
y2= 354.7826086956522  
the distance between them is 457.2821823873335  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 612.1739130434783  
y1= 459.1304347826087  
   
x2= 612.1739130434783  
y2= 459.1304347826087  
   
x2= 166.95652173913044  
y2= 354.7826086956522  
the distance between them is 457.2821823873335  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 361.7391304347826  
y2= 0.0  
the distance between them is 236.75180626423142  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 612.1739130434783  
y1= 459.1304347826087  
   
x2= 612.1739130434783  
y2= 459.1304347826087  
   
x2= 612.1739130434783  
y2= 208.69565217391303  
the distance between them is 250.43478260869566  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 612.1739130434783  
y1= 448.69565217391306  
   
x2= 612.1739130434783  
y2= 448.69565217391306  
   
x2= 166.95652173913044  
y2= 354.7826086956522  
the distance between them is 455.0144890607314  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 612.1739130434783  
y1= 459.1304347826087  
   
x2= 612.1739130434783  
y2= 459.1304347826087  
   
x2= 153.04347826086956  
y2= 469.5652173913044  
the distance between them is 459.2489965495385  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 0.0  
   
x2= 598.2608695652174  
y2= 0.0  
   
x2= 403.4782608695652  
y2= 0.0  
the distance between them is 194.7826086956522  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 612.1739130434783  
y1= 459.1304347826087  
   
x2= 612.1739130434783  
y2= 459.1304347826087  
   
x2= 375.6521739130435  
y2= 344.3478260869565  
the distance between them is 262.90222581839174  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 612.1739130434783  
y1= 459.1304347826087  
   
x2= 612.1739130434783  
y2= 459.1304347826087  
   
x2= 626.0869565217391  
y2= 459.1304347826087  
the distance between them is 13.913043478260875  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 612.1739130434783  
y1= 459.1304347826087  
   
x2= 612.1739130434783  
y2= 459.1304347826087  
   
x2= 375.6521739130435  
y2= 344.3478260869565  
the distance between them is 262.90222581839174  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 612.1739130434783  
y1= 459.1304347826087  
   
x2= 612.1739130434783  
y2= 459.1304347826087  
   
x2= 375.6521739130435  
y2= 354.7826086956522  
the distance between them is 258.5169276669502  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 612.1739130434783  
y1= 459.1304347826087  
   
x2= 612.1739130434783  
y2= 459.1304347826087  
   
x2= 375.6521739130435  
y2= 354.7826086956522  
the distance between them is 258.5169276669502  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 612.1739130434783  
y1= 459.1304347826087  
   
x2= 612.1739130434783  
y2= 459.1304347826087  
   
x2= 375.6521739130435  
y2= 354.7826086956522  
the distance between them is 258.5169276669502  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 612.1739130434783  
y1= 459.1304347826087  
   
x2= 612.1739130434783  
y2= 459.1304347826087  
   
x2= 375.6521739130435  
y2= 354.7826086956522  
the distance between them is 258.5169276669502  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 612.1739130434783  
y1= 459.1304347826087  
   
x2= 612.1739130434783  
y2= 459.1304347826087  
   
x2= 361.7391304347826  
y2= 354.7826086956522  
the distance between them is 271.30434782608694  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 612.1739130434783  
y1= 459.1304347826087  
   
x2= 612.1739130434783  
y2= 459.1304347826087  
   
x2= 361.7391304347826  
y2= 354.7826086956522  
the distance between them is 271.30434782608694  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 431.30434782608694  
y1= 0.0  
   
x2= 431.30434782608694  
y2= 0.0  
   
x2= 361.7391304347826  
y2= 365.2173913043478  
the distance between them is 371.78362306838176  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 612.1739130434783  
y1= 459.1304347826087  
   
x2= 612.1739130434783  
y2= 459.1304347826087  
   
x2= 361.7391304347826  
y2= 365.2173913043478  
the distance between them is 267.46446507080964  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 333.9130434782609  
y2= 375.6521739130435  
the distance between them is 450.84755302435985  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 459.1304347826087  
   
x2= 598.2608695652174  
y2= 459.1304347826087  
   
x2= 333.9130434782609  
y2= 375.6521739130435  
the distance between them is 277.21542741107857  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 612.1739130434783  
y1= 448.69565217391306  
   
x2= 612.1739130434783  
y2= 448.69565217391306  
   
x2= 320.0  
y2= 375.6521739130435  
the distance between them is 301.1659761320726  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 612.1739130434783  
y1= 20.869565217391305  
   
x2= 612.1739130434783  
y2= 20.869565217391305  
   
x2= 514.7826086956521  
y2= 260.8695652173913  
the distance between them is 259.00784961574215  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 320.0  
y2= 375.6521739130435  
the distance between them is 459.1436098241421  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 320.0  
y2= 375.6521739130435  
the distance between them is 459.1436098241421  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 320.0  
y2= 375.6521739130435  
the distance between them is 459.1436098241421  
not detected  
not detected  
not detected  
not detected  
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not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 320.0  
y2= 375.6521739130435  
the distance between them is 459.1436098241421  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 514.7826086956521  
y2= 260.8695652173913  
the distance between them is 263.9814394575343  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 612.1739130434783  
y1= 104.34782608695652  
   
x2= 612.1739130434783  
y2= 104.34782608695652  
   
x2= 612.1739130434783  
y2= 448.69565217391306  
the distance between them is 344.34782608695656  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 514.7826086956521  
y2= 459.1304347826087  
the distance between them is 456.3950134670408  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 0.0  
the distance between them is 10.434782608695652  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 320.0  
y2= 375.6521739130435  
the distance between them is 459.1436098241421  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 320.0  
y2= 375.6521739130435  
the distance between them is 459.1436098241421  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 166.95652173913044  
y2= 354.7826086956522  
the distance between them is 551.9047615164224  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 612.1739130434783  
y2= 448.69565217391306  
the distance between them is 438.48165591149706  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 347.82608695652175  
y2= 344.3478260869565  
the distance between them is 417.39130434782606  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 320.0  
y2= 375.6521739130435  
the distance between them is 459.1436098241421  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 306.0869565217391  
y2= 386.0869565217391  
the distance between them is 475.8993078674663  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 166.95652173913044  
y2= 354.7826086956522  
the distance between them is 551.9047615164224  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 333.9130434782609  
y2= 354.7826086956522  
the distance between them is 434.11426892894536  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 500.8695652173913  
y2= 292.17391304347825  
the distance between them is 298.09730589308975  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 166.95652173913044  
y2= 354.7826086956522  
the distance between them is 551.9047615164224  
not detected  
not detected  
not detected  
not detected  
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not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 306.0869565217391  
y2= 375.6521739130435  
the distance between them is 467.7064660385733  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 306.0869565217391  
y2= 375.6521739130435  
the distance between them is 467.7064660385733  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 306.0869565217391  
y2= 375.6521739130435  
the distance between them is 467.7064660385733  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 333.9130434782609  
y2= 354.7826086956522  
the distance between them is 434.11426892894536  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 333.9130434782609  
y2= 354.7826086956522  
the distance between them is 434.11426892894536  
not detected  
not detected  
not detected  
not detected  
not detected  
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not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 306.0869565217391  
y2= 375.6521739130435  
the distance between them is 467.7064660385733  
not detected  
not detected  
not detected  
not detected  
not detected  
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not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 320.0  
y2= 365.2173913043478  
the distance between them is 450.8878030775319  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 320.0  
y2= 365.2173913043478  
the distance between them is 450.8878030775319  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 320.0  
y2= 365.2173913043478  
the distance between them is 450.8878030775319  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 612.1739130434783  
y1= 396.5217391304348  
   
x2= 612.1739130434783  
y2= 396.5217391304348  
   
x2= 306.0869565217391  
y2= 375.6521739130435  
the distance between them is 306.7975940340862  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 0.0  
   
x2= 598.2608695652174  
y2= 0.0  
   
x2= 320.0  
y2= 365.2173913043478  
the distance between them is 459.1436098241421  
not detected  
not detected  
not detected  
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not detected  
not detected  
not detected  
not detected  
   
x1= 612.1739130434783  
y1= 375.6521739130435  
   
x2= 612.1739130434783  
y2= 375.6521739130435  
   
x2= 320.0  
y2= 365.2173913043478  
the distance between them is 292.3601890668918  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
not detected  
   
x1= 598.2608695652174  
y1= 10.434782608695652  
   
x2= 598.2608695652174  
y2= 10.434782608695652  
   
x2= 320.0  
y2= 365.2173913043478  
the distance between them is 450.8878030775319  
not detected  
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In [ ]: