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import math import random
width = 500
height = 500
win = tk.Canvas(root,width=width,height=height)
win.pack()
class CustomLine:
    def __init_ (self, fromPoint, toPoint,theta, angle, dist = float('inf')):
        self.fromPoint = fromPoint
        self.toPoint = toPoint
        self.theta = theta
        self.angle = angle
        self.dist = dist
          # Return true if line segments AB and CD intersect

def intersect(self,line1,line2):
    A,B,C,D = line1[0],line1[1],line2[0],line2[1]
    def ccw(A,B,C):
        return (C[1]-A[1]) * (B[0]-A[0]) > (B[1]-A[1]) * (C[0]-A[0])
    return ccw(A,C,D) != ccw(B,C,D) and ccw(A,B,C) != ccw(A,B,D)
          def slope(self,P1, P2):
          # Return the point of intersection
def line intersect(self,ml, bl, m2, b2):
   if ml == m2:
        print ("These lines are paralle!!!")
        return None
          def update_ToPoint(self, radius):
    a = self.toPoint
                     if flag == 0: x += random.randint(radius - 50 , radius )
elif flag == 1: y += random.randint(radius - 50 , radius )
          def getDetails(self):
    return (self.fromPoint,self.toPoint)
def draw():
          # Specify lines to be drawn
nLines = random.randint(300,600)
angle = (2 * math.pi) / float(nLines)
points = [x for x in range(nLines)]
random.shuffle(points)
lineAngles = points
allLines = []
for theta in lineAngles:
    # Point on the circle at an angle
                    line = CustomLine(posl,d,theta, angle)
                     # RAGOMIY CHANGE the point
line.update_ToPoint(radius)
          # Append the object to
allLines.append(line)
drewLines = []
          def checkIfOutCircle(x,center_x,y,center_y,radius):
    return ((x - center x)**2) + ((y - center y)**2) > radius**2
    # We now have to check if the line to be drawn intersects any other pre-drawn lines or not
# If it does, then we reset to the toPoint in it to the point of intersection
           for i in range(len(allLines)):
                     linel = [[allLines[i].fromPoint[0],allLines[i].fromPoint[1]],[allLines[i].toPoint[0],allLines[i].toPoint[1]]]
for j in range(len(drewLines)):
    line2 = [[drewLines[j].fromPoint[0],drewLines[j].fromPoint[1]],[drewLines[j].toPoint[0],drewLines[j].toPoint[1]]]
    if allLines[i].intersect(line1,line2):
```