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from tkinter import *
from math import *
master = Tk( )
w = Canvas(master, width=1680, height=980, bg='white')
w.pack( )
winkel = 90
x_old = 200
y_old = 400
def fd(entfernung):
    global x_old, y_old
    radiant = -1*pi/180*winkel
    x_new = x_old + entfernung * cos(radiant)
    y_new = y_old + entfernung * sin(radiant)
    w.create_line(x_old,y_old,x_new,y_new, fill="black", width=1)
    x_old = x_new
    y_old = y_new
def lt(Drehwinkel):
    global winkel
    winkel = winkel + Drehwinkel
    if winkel >= 360:
        winkel = winkel-360
    if winkel <= -360:
        winkel = winkel+360

a=[90,-2,90,1,2,-90,1,-90,2,1,90,-2,90]
a2=[-90,2,-90,1,-2,90,1,90,-2,1,-90,2,-90]

l=a2
l2=[ ]

n=4
lg=5

for i in range(n):
    for k in l:
        if k==2:
            for e in a:
                l2.append(e)
        elif k==-2:
            for e in a2:
                l2.append(e)
        else:
            l2.append(k)
    l=l2
    l2=[ ]

print(l)

for t in l:
    if t ==1:
        fd(lg)
    elif t==2 or t==-2:
        fd(lg)

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lt(t/2*90)
fd(lg)
lt(t/2*90)
fd(lg)
else:
lt(t)
```