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#根据数据文件在窗口中动态路径绘制
import turtle

def main():
    #设置窗口信息
    turtle.title('数据驱动的动态路径绘制')
    turtle.setup(800, 600, 0, 0)
    #设置画笔
    pen = turtle.Turtle()
    pen.color("red")
    pen.width(5)
    pen.shape("turtle")
    pen.speed(5)
    #读取文件
    result=[]
    file = open("data.txt","r")
    for line in file:
        result.append(list(map(float, line.split(','))))
    print(result)
    #动态绘制
    for i in range(len(result)):
        pen.color((result[i][3],result[i][4],result[i][5]))
        pen.forward(result[i][0])
        if result[i][1]:
            pen.rt(result[i][2])
        else:
            pen.lt(result[i][2])
    pen.goto(0,0)

if __name__ == '__main__':
    main()

```