# 计算机程序设计实验5

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实验题目：程序练习题

算法实现：

**2.8**

**import turtle**

edge = 200

turtle.setup(500,500,-200,-200)

while edge > 5:

turtle.seth(90)

turtle.fd(edge)

turtle.seth(0)

turtle.fd(edge)

edge = edge - 5

turtle.seth(-90)

turtle.fd(edge)

edge = edge - 5

turtle.seth(180)

turtle.fd(edge)

edge = edge - 5

turtle.done()

**3.5**

for i in range(11):

if i%5 == 0:

print("+----+----+")

else:

print("| | |”)

**4.6**

from random import \*

s=['车','羊','羊羊']

N = 1000000

x = 0 #猜中汽车的次数

y = 0 #没猜中汽车的次数

for i in range(N):

shuffle(s)#在门后摆放车和羊

c = choice(s)#随机选择门后的物品

if c == '车':

x += 1#选择成功的次数

else:

y += 1#选择失败的次数

print("选择成功的概率是:{},选择失败的概率是:{}".format(x/N,y/N))

**4.5**

from random import\*

p = randint(0,100)

N=0

while True:

try:

n = eval(input("请输入一个0到100的整数："))

N +=1

except:

print("输入错误，请输入一个整数！")

continue

if n == p:

print("预测{}次，猜中了！".format(N))

break

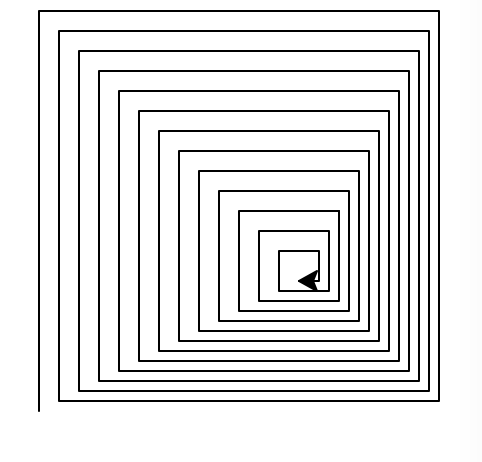
elif n > p:

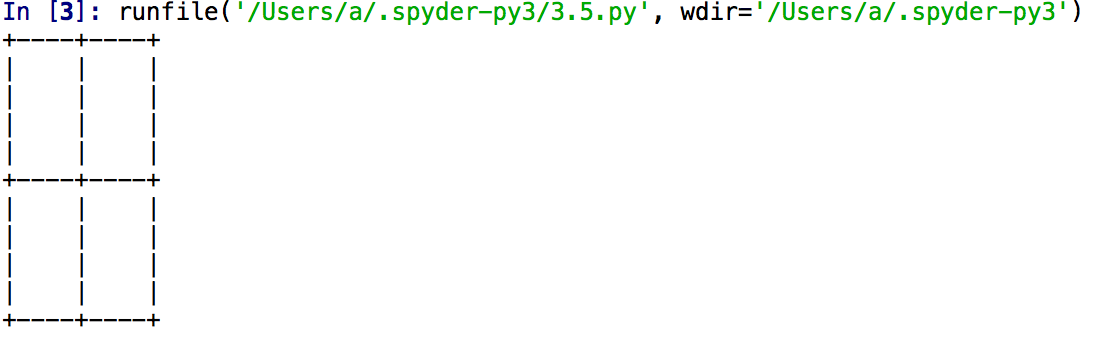
print("遗憾，太大了！")

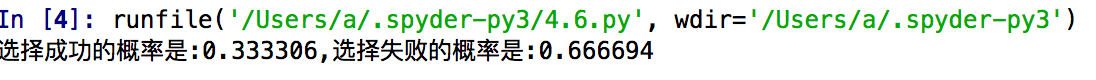
else:

print("遗憾，太小了！")

## 实验截图：

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