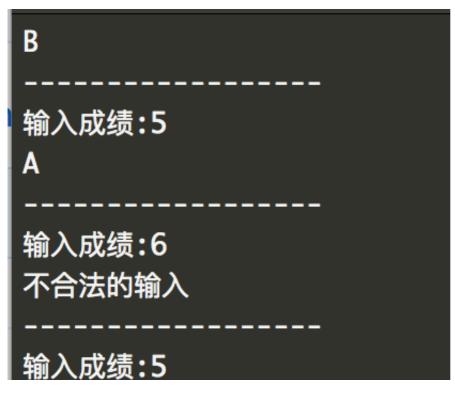
```
import math
pi = math.pi
def main():
   print("成绩转换程序")
   while True:
       print("----")
       input_val = eval(input("输入成绩:"))
       if input_val < 0 or input_val > 5:
           print("不合法的输入")
           break
       if(input_val==5):
           print('A')
       elif(input_val==4):
           print('B')
       elif(input_val==3):
           print('C')
       elif(input val==2):
           print('D')
       elif(input_val==1):
           print('E')
       elif(input_val==0):
           print('F')
if __name__ == "__main__":
   main()
```



A
输入成绩:4
В
输入成绩:3 C
输入成绩:2 D
·
输入成绩 : 1 E
输入成绩:1 E
输入成绩:0 F
•
 输入成绩 : -1
不合法的输入
输入成绩:

```
class Chaos(object):
   def __init__(self):
       # 以下定义的是默认初始值
       self.x1 = 0.25
       self.x2 = 0.26
       self.numIter = 10
       self.filename = 'chaos.txt'
   # 获取用户输入
   def getInput(self):
       x1 = eval(input('输入第一个数:'))
       x2 = eval(input('输入第二个数:'))
       numIter = int(input('输入次数:'))
       return x1, x2, numIter
   def printout(self):
       x1, x2, numIter = self.getInput()
       print('\nindex',end = '')
       print('\t{0:^6}'.format(x1),end = '')
       print('\t\t{0:^6}'.format(x2))
       print('----')
       for i in range(numIter):
           x1 = 3.9 * x1 * (1 - x1)
           x2 = 3.9 * x2 * (1 - x2)
           print('%d\t%.6f\t\t%.6f' % (i+1, x1, x2))
if __name__ == '__main__':
   chaos = Chaos()
   chaos.printout()
```

程序结果

输入第一个数:0.25

输入第二个数:0.26

输入次数:10

index	0.25	0.26
1	0.731250	0.750360
2	0.766441	0.730547
3	0.698135	0.767707
4	0.821896	0.695499
5	0.570894	0.825942
6	0.955399	0.560671
7	0.166187	0.960644
8	0.540418	0.147447
9	0.968629	0.490255
10	0.118509	0.974630