

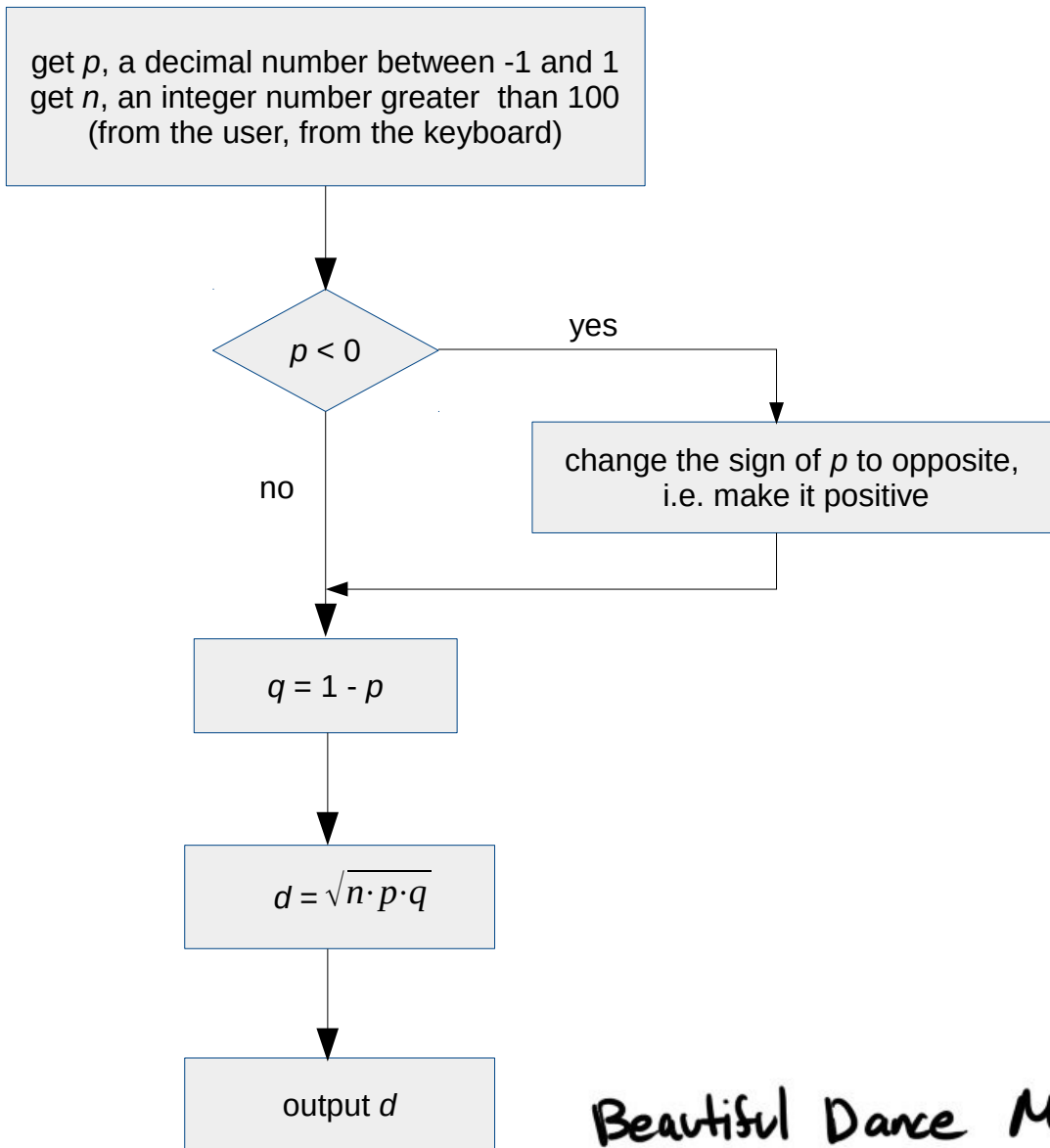
1. Consider the following code. What sum does it generate?

```
n = int(input("Enter a positive integer:"))  
  
s = 0  
for i in range(0,n):  
    s = s + ((-1)**i)/(i+1)  
  
print(s)
```

2. for the following program, draw the *flowchart* corresponding to it

```
a = int(input("Enter an integer:"))  
  
if a > 4:  
    print("A")  
elif a < -4:  
    print("B")  
else:  
    print("C")  
  
print(a)
```

3. Given the flowchart, write the program.



Run the program you got on two inputs:

1) $p=0.5$, $n=200$
You should get 7.0710678118654755

2) $p=-0.9$, $n=400$
You should get 5.999999999999999

Beautiful Dance Moves

