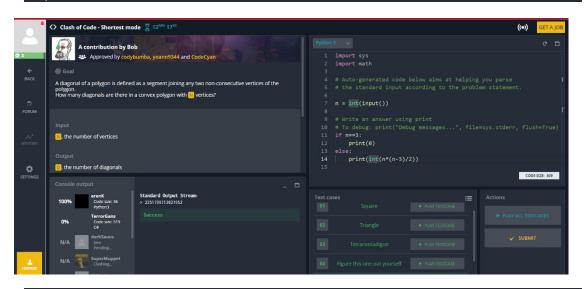
import sys import math



```
# Auto-generated code below aims at helping you parse
# the standard input according to the problem statement.

n = int(input())

# Write an answer using print
# To debug: print("Debug messages...", file=sys.stderr,
flush=True)
if n==3:
    print(0)
else:
    print(int(n*(n-3)/2))
```