Challenge 1: Big O of Nested Loop with Addition

Compute the Big O complexity of an algorithm which involves nested loops where the loop variables increase with addition.

We'll cover the following

Problem Statement

Compute the Big O complexity of the code snippet given below. It is better to solve it on a piece of paper and then see if your answer matches with the correct option!

Code Snippet

```
n = 10  # n can be anything, this is just an example
sum = 0
pie = 3.14

for var in range(1, n, 3):
    print(pie)
    for j in range(1, n, 2):
        sum += 1
        print(sum)

```

If you have computed the time complexity of the code snippet above, answer the following question and see if your result matches the correct answer!

Q Which of the following best describes the Big(O) of the program written above?

A) $O(n)$

B) $O(nlog_3 n)$

C) $O(log_3 n)$

D) $O(n^2)$

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Solution Review: Big O of Nested Loo...

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