Problem 1925: Count Square Sum Triples

Problem Information

Difficulty: Easy
Acceptance Rate: 69.61%
Paid Only: No
Tags: Math, Enumeration

Problem Description

A **square triple** `(a,b,c)` is a triple where `a`, `b`, and `c` are **integers** and `a2 + b2 = c2`.

Given an integer `n`, return _the number of**square triples** such that _`1 <= a, b, c <= n`.

Example 1:

Input: n = 5 **Output:** 2 **Explanation** : The square triples are (3,4,5) and (4,3,5).

Example 2:

Input: n = 10 **Output:** 4 **Explanation** : The square triples are (3,4,5), (4,3,5), (6,8,10), and (8,6,10).

Constraints:

* `1 <= n <= 250`

Code Snippets

C++:

```
class Solution {
public:
int countTriples(int n) {
```

```
}
};
```

Java:

```
class Solution {
public int countTriples(int n) {

}
}
```

Python3:

```
class Solution:
def countTriples(self, n: int) -> int:
```