

## 5792. Count Square Sum Triples

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A **square triple**  $(a, b, c)$  is a triple where  $a$ ,  $b$ , and  $c$  are **integers** and  $a^2 + b^2 = c^2$ .

Given an integer  $n$ , return the number of **square triples** such that  $1 \leq a, b, c \leq n$ .

### 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:

- $1 \leq n \leq 250$

JavaScript



```
1 const countTriples = (n) => {
2   let res = 0;
3   for (let a = 1; a <= n; a++) {
4     for (let b = 1; b <= n; b++) {
5       for (let c = 1; c <= n; c++) {
6         if (a * a + b * b == c * c) res++;
7       }
8     }
9   }
10  return res;
11};
```

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