Given a non-negative integer c, decide whether there're two integers a and b such that a2 + b2 = c.

**Example 1:**

**Input:** c = 5

**Output:** true

**Explanation:** 1 \* 1 + 2 \* 2 = 5

**Example 2:**

**Input:** c = 3

**Output:** false

**Example 3:**

**Input:** c = 4

**Output:** true

**Example 4:**

**Input:** c = 2

**Output:** true

**Example 5:**

**Input:** c = 1

**Output:** true

**Constraints:**

* 0 <= c <= 231 - 1