202. Happy Number

- Write an algorithm to determine if a number n is happy.
- A happy number is a number defined by the following process:
- Starting with any positive integer, replace the number by the sum of the squares of its digits.
- Repeat the process until the number equals 1 (where it will stay), or it loops endlessly in a cycle which does not include 1.
- Those numbers for which this process ends in 1 are happy.
- Return true if n is a happy number, and false if not.

Example 1:

- **Input:** n = 19
- **Output:** true
- **Explanation:**
  - 12 + 92 = 82
  - 82 + 22 = 68
  - 62 + 82 = 100
  - 12 + 02 + 02 = 1

Example 2:

- **Input:** n = 2
- **Output:** false

Constraints:

- 1 <= n <= 231 - 1