**970. Powerful Integers**

Easy

1931FavoriteShare

Given two non-negative integers x and y, an integer is *powerful* if it is equal to x^i + y^j for some integers i >= 0 and j >= 0.

Return a list of all *powerful* integers that have value less than or equal to bound.

You may return the answer in any order.  In your answer, each value should occur at most once.

**Example 1:**

**Input:** x = 2, y = 3, bound = 10

**Output:** [2,3,4,5,7,9,10]

**Explanation:**

2 = 2^0 + 3^0

3 = 2^1 + 3^0

4 = 2^0 + 3^1

5 = 2^1 + 3^1

7 = 2^2 + 3^1

9 = 2^3 + 3^0

10 = 2^0 + 3^2

**Example 2:**

**Input:** x = 3, y = 5, bound = 15

**Output:** [2,4,6,8,10,14]

**Note:**

* 1 <= x <= 100
* 1 <= y <= 100
* 0 <= bound <= 10^6