An **ugly number** is a positive integer that is divisible by a, b, or c.

Given four integers n, a, b, and c, return the nth **ugly number**.

**Example 1:**

**Input:** n = 3, a = 2, b = 3, c = 5

**Output:** 4

**Explanation:** The ugly numbers are 2, 3, 4, 5, 6, 8, 9, 10... The 3rd is 4.

**Example 2:**

**Input:** n = 4, a = 2, b = 3, c = 4

**Output:** 6

**Explanation:** The ugly numbers are 2, 3, 4, 6, 8, 9, 10, 12... The 4th is 6.

**Example 3:**

**Input:** n = 5, a = 2, b = 11, c = 13

**Output:** 10

**Explanation:** The ugly numbers are 2, 4, 6, 8, 10, 11, 12, 13... The 5th is 10.

**Example 4:**

**Input:** n = 1000000000, a = 2, b = 217983653, c = 336916467

**Output:** 1999999984

**Constraints:**

* 1 <= n, a, b, c <= 109
* 1 <= a \* b \* c <= 1018
* It is guaranteed that the result will be in range [1, 2 \* 109].