878. Nth Magical Number

Description

A positive integer is *magical* if it is divisible by either a or b.

Given the three integers n, a, and b, return the nth magical number. Since the answer may be very large, **return it modulo** $10^9 + 7$.

Example 1:

```
Input: n = 1, a = 2, b = 3
Output: 2
```

Example 2:

```
Input: n = 4, a = 2, b = 3
Output: 6
```

Constraints:

- $1 <= n <= 10^9$
- $2 <= a, b <= 4 * 10^4$