2466. Count Ways To Build Good Strings

Description

Given the integers `zero` , `one` , `low` , and `high` , we can construct a string by starting with an empty string, and then at each step perform either of the following:

- Append the character `'0'` `zero` times.
- Append the character `'1'` `one` times.

This can be performed any number of times.

A **good** string is a string constructed by the above process having a **length** between `low` and `high` (**inclusive**).

Return *the number of **different** good strings that can be constructed satisfying these properties.* Since the answer can be large, return it **modulo** $10^9 + 7$.

Example 1:

```
Input: low = 3, high = 3, zero = 1, one = 1
Output: 8
Explanation:
One possible valid good string is "011".
It can be constructed as follows: "" -> "0" -> "01" -> "011".
All binary strings from "000" to "111" are good strings in this example.
```

Example 2:

```
Input: low = 2, high = 3, zero = 1, one = 2
Output: 5
Explanation: The good strings are "00", "11", "000", "110", and "011".
```

Constraints:

- $1 <= low <= high <= 10^5$
- `1 <= zero, one <= low`