☆ Volleyball Match

Sally is a big sports fan, especially volleyball. She has a habit of writing down the final scores of each game after it has ended in her notebook.

If you are not familiar with the rules of volleyball, here's a brief:

- 2 teams play a match
- During the course of the game, each team gets points, and thus increases its score by 1.
- The initial score is 0 for both teams.

The game ends when

- One of the teams gets 25 points and another team has < 24 points (strictly less than 24).
- If the score ties at 24:24, the teams continue to play until the absolute difference between the scores is 2.

Given the final score of a game in the format *A*:*B* i.e., the first team has scored *A* points and the second has scored *B* points, can you find the number of different sequences of getting points by teams that leads to this final score?

Complete the function ***volleyball*** in your editor. It has *2* parameters:

1. An integer *A*.
2. An integer *B*.

It must return the number of different possible sequences of getting those points. As the answer could be very large, return the value of *result % (10^9 + 7)*.

Input Format

The locked stub code in your editor reads the following input from stdin and passes it to your function:
The first line contains a single integer *A*.
The next line contains a single integer *B*.

Constraints

- $0 \leq A,B \leq 10^9$

Output Format

Sample Input 1

```
3
25
```

Sample Output 1

```
2925
```

Explanation 1

There are 2925 different sequences to reach the score (3,25).

Sample Input 2

```
24
17
```

Sample Output 2

```
0
```

Explanation 2

There can be no game of volleyball that ends with a score of 24 : 17.

YOUR ANSWER

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Algorithmic Trader Coding Test

02 : 58
to test end

```
10  * Complete the function below.
11  */
12 int volleyball(int A, int B) {
13
14
15 }
16
```

```
17 int main() {↔}
32
```

Line: 10 Col: 1

Test against custom input

Run Code

Submit code & Continue

(You can submit any number of times)

Download sample test cases *The input/output files have Unix line endings. Do not use Notepad to edit them on windows.*