# Good Sets

**Time limit:** 1.0s **Memory limit:** 512M

A set is called a good set if every element is a positive integer not exceeding $N$, and any two distinct elements of the set have an absolute difference of at least $M$.

Find the number of good sets modulo $10^9 + 7$.

## Constraints

$1 \leq M \leq N \leq 10^6$

**Subtask 1 [10%]**

$1 \leq N \leq 10$

**Subtask 2 [30%]**

$1 \leq N \leq 10^4$

**Subtask 3 [60%]**

No additional constraints.

## Input Specification

The only line contains two space-separated integers, $N$ and $M$.

## Output Specification

Output the number of good sets modulo $10^9 + 7$.

## Sample Input

```
4 3
```

## Sample Output

```
6
```

## Explanation for Sample

The good sets are $\{\}, \{1\}, \{2\}, \{3\}, \{4\}, \{1, 4\}$.