Problem F. Factorial Divisors

Source file name:	factorial.c, factorial.cpp, factorial.java
Input:	`Standard`
Output:	`Standard`
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The factorial of N is defined as the product of all the numbers between 1 an N and is denoted by the ! symbol. For example, $10! = 10 * 9 * 8 * 7 * 6 * 5 * 4 * 3 * 2 * 1 = 3628800$. There is a list of numbers that can divide 10!, those are called divisors. For example, the divisors of 4! are $1, 2, 3, 4, 6, 8, 12$ and 24 itself.

There are many ways to count the number of divisors of a number, but since we are talking about factorials you must think one excellent way to do so.

Your task consists in counting how many numbers are that divide $N!$ but not divide $K!$ $(1 \leq K \leq N \leq 10^6)$.

Input

The input consists of several test cases, each one with two numbers N and K separated by one space. The input ends at the end of file (EOF).

- $1 \leq K \leq N \leq 10^6$

Output

For each case you must print a single line with a single number, the result modulo 987654321.

Example

Input	Output
4 2	6

Explication

$4! = 4 * 3 * 2 * 1 = 24$, $2! = 2 * 1 = 2$ Divisors of $4! = 24$ are : $\{1, 2, 3, 4, 6, 8, 12, 24\}$ as stated above. Divisors of $2! = 2$ are : $\{1, 2\}$, then the only 6 divisors of 4! that don't divide 2! are :$\{3, 4, 6, 8, 12, 24\}$