## K-skip Permutation

Input file: standard input
Output file: standard output
Time limit: 1 second
Memory limit
256 megabytes
For a permutation $P=p_{1}, p_{2}, \cdots, p_{n}$ of $n$, let $f(P, k)$ be the number of $i$ satisfying $1 \leq i<n$ and $p_{i}+k=p_{i+1}$.
Given two integers $n$ and $k$, your task is to find a permutation $P$ of $n$ such that $f(P, k)$ is maximized.
Recall that in a permutation of $n$, each integer from 1 to $n$ (both inclusive) appears exactly once.

## Input

There is only one test case in each test file.
The first and only line contains two integers $n$ and $k\left(1 \leq n, k \leq 10^{6}\right)$.

## Output

Output one line containing $n$ integers indicating a permutation $P$ of $n$ that maximizes $f(P, k)$. If there are multiple valid answers you can output any of them.
Please, DO NOT output extra spaces at the end of the line, or your answer may be considered incorrect!

## Examples

| standard input |  | standard output |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :---: | :---: |
| 31 | 1 | 2 | 3 |  |  |  |
| 73 | 2 | 5 | 1 | 4 |  |  |

