## Problem C. Multiple?

| Input file: | standard input |
| :--- | :--- |
| Output file: | standard output |
| Time limit: | 4 seconds |
| Memory limit: | 256 mebibytes |

Given an integer $n$, the sequence is called good if its elements are from $[1, n]$ and all its non-empty subsequences (not necessarily continuous) have sums not divisible by $n$.
Calculate the number of good sequences of length $n-k$ modulo 998244353 .

## Input

The only line of input contains two integers $n$ and $k(1 \leq k \leq n / 4<n<998244353)$.

## Output

Print one number - the answer to the problem.

## Examples

| standard input | standard output |
| :--- | :--- |
| 41 | 2 |
| 92 | 48 |
| 22222222222222 | 851798824 |

