Duo-mutations

Invent Analytics offers high-quality solutions to optimize your company's supply chain with an optimal design and optimal planning system. Their visionary optimal solutions arise due to their interest in mathematics. They are always in favor to approach problems in a mathematical way.

One of these days, Invent analytics encountered an extremely hard problem of one company and they modeled encountered problem in the mathematical way as usual. Unfortunately, they could not solve this generated math problem themselves and decided to ask for help from you. Can you help Invent analytics solve their designed problem? The problem is given in the following way.

Find the number of pairs (x, y) of permutations of length n such that $\sum_{i=1}^{n} \max(x_i, y_i) = k$.

Since answer can be large, print it in modulo **998 244 353**.

A permutation is an array consisting of n distinct integers from 1 to n in arbitrary order.

Submit Solution

Points: 1

Time limit: 2.0s
Java 8: 5.0s
Python: 8.0s

All submissions

Best submissions

Input Format

The only line contains two integers, n and k.

Constraints

$1 \le n \le 100$

$1 \le k \le n^2$

Output Format

Print the answer in modulo **998 244 353**.

Sample Input 1:

```
2 3
```

Copy

Sample Output 1:

```
2
```

Copy

Sample Input 2:

```
3 6
```

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Sample Output 2:

```
6
```

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Request clarification