时间限制：C/C++ 1秒，其他语言2秒
空间限制：C/C++ 262144K，其他语言524288K
64bit IO Format: %lld

题目描述

Bob has a tree with n nodes, the set of the edges of this tree is T.

Let B denote the edge set of n-clique, formally $B = \{(i, j) | 1 \leq i < j \leq n\}$

Now give you an integer k, you need to find the number of pair (X, Y) satisfies the following conditions:

1. $X \subseteq T, Y \subseteq B$.

2. $|X| = n - 1 - k, |Y| = k$.

3. $X \cup Y$ is an edge set of a tree with n nodes.

The answer may be very large, you only need to output the answer module 998244353.

输入描述:

> The first line has two integers n, k.
>
> Then there are $n - 1$ lines, each line has two integers u, v denote an edge (u, v) in T.
>
> $2 \leq n \leq 5 \times 10^4$
>
> $1 \leq k \leq min(100, n - 1)$

输出描述:

> Output the answer.

示例1

输入

```
5 1
1 2
2 3
2 4
1 5
```

输出

```
18
```