

## Subtrees

Given an undirected tree rooted at vertex **1**, find number of subgraphs of this tree which are trees themselves.

### INPUT

First line contains **T**, number of testcases.

Each testcase has an integer **n**, followed by **n-1** lines containing **u** and **v**, denoting that there exists an undirected edge between **u** and **v**.

### OUTPUT

Output **T** lines, each containing the answer for that testcase modulo **1000000007**, followed by new line. Do not add any extra whitespaces or newlines in your output.

### CONSTRAINTS

$1 \leq T \leq 20$

$1 \leq n \leq 10^6$

$1 \leq u, v \leq n$

**Time Limit : 3 seconds**

### SAMPLE INPUT

```
2
3
1 2
2 3
3
1 2
1 3
```

### SAMPLE OUTPUT

```
6
6
```