Archit learns dota

Dota is not a easy game in fact archit is trying to learn it for long time and fails.Srinjoy promises to help him if he defeats him in a duel.

Srinjoy challenges Archit to a duel.Srinjoy has x heros and each hero is having a vector which represnts thier movement but he wont tell archit what they are instead he gives archit the sum of their magnitudes of the vectors j.The hero movement vector has uniform probablity distribution. For a given set of x and j archit can arrange them in such a way such that no hero should move i.e thier vector sum end up being 0.but thats a limited number help Archit calculate the probablity

Note:probablity is the total ways of arrangement where he gets 0 as vector sum/total ways of arrange these values

now the probablity will be in the form of m/n.so find $m*n^{-1}$ mod 10^9+7

Input Format

- The first line of the input contains a single integer x denoting the number of hero.
- The second line contains a single integer j denoting the sum of magnitudes of all vector values of the hero

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Constraints

- 1<j<100
- 35

Output Format

Print a single line containing one integer — the value of $m*n^{-1}$ mod 10^9+7

Sample Input 0

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10
15
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Sample Output 0

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870666511
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Sample Input 1

```
78
242942
```

Sample Output 1

```
88947545
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