## Chairs

Write a program that receives **names** on the first line (separated by comma and space **", "**) and a number of **chairs** on the second line (an **integer**). The chairs will always be less than the people. Find all the ways to fit those people on the chairs. **Print** each combination on a separate line.

***Note: In the example below, "Peter, George" is the same as "George, Peter", so we only print the first combination***

### Examples

|  |  |
| --- | --- |
| **Input** | **Output** |
| Peter, George, Amy  2 | Peter, George  Peter, Amy  George, Amy |
| Mariya, Emilly, Tom, Bob  1 | Mariya  Emilly  Tom  Bob |