# Super Set

Write a program that receives an array of unique integers and prints its **super set**.

**Super set** is the set of all subsets of the array. For example, the super set of 4, 5, 6 is:

* 4
* 5
* 6
* 4 5
* 4 6
* 5 6
* 4 5 6

## Input

* On the first line you will receive an array of integers in the following format: "{el1}, …, {elN}".

## Output

* Print the super set.
  + Each subset should be printed on a single line.
    - Elements in the subset should be printed in the following format: "{el1}, …, {elN}".

## Constraints

* Elements in the array will be **unique**.
* Elements in the array will be positive integers in the range **[-2147483648, 2147483647]**.
* Array’s length will be in the range **[1, 50]**.

## Examples

|  |  |
| --- | --- |
| **Input** | **Output** |
| 4, 5, 6 | 4  5  6  4 5  4 6  5 6  4 5 6 |
| 1, 3, 5, 7 | 1  3  5  7  1 3  1 5  1 7  3 5  3 7  5 7  1 3 5  1 3 7  1 5 7  3 5 7  1 3 5 7 |