# Bank Robbery

A picture containing text

Description automatically generated

Josh and Prakash just robbed a bank. They stole **n safe deposit boxes**. Each deposit box has a different amount of gold bars in it.

Write a program that prints how Josh and Prakash can **share the deposit boxes evenly**, so they end up with an equal amount of gold **without splitting gold bars**.

## Input

* You will receive single line with integers, separated by space.
  + Each integer represents a safe deposit box.

## Output

* First, print safe deposit boxes that Josh will take.
* After that, print safe deposit boxes that Prakash will take.
* Both sequences should be sorted in ascending order.

## Constraints

* Integers representing safe deposit boxes will be in the range [1... 150].
* Integers will be unique.
* Safe deposit boxes always can be divided evenly.

## Examples

|  |  |
| --- | --- |
| **Input** | **Output** |
| 8 17 45 91 11 32 102 33 6 1 | 17 32 33 91  1 6 8 11 45 102 |
| 5 10 2 3 | 10  2 3 5 |