## Zig-Zag Arrays

Write a program which creates 2 arrays. You will be given an integer **n**. On the next **n** lines you get 2 integers. Form 2 arrays as shown below.

### Examples

|  |  |
| --- | --- |
| **Input** | **Output** |
| 4  1 5  9 10  31 81  41 20 | 1 10 31 20  5 9 81 41 |
| 2  80 23  31 19 | 80 19  23 31 |