# Paths

Given a directed acyclic graph (DAG) of **n nodes** (from 0 to n – 1), find all possible paths from each node to the last (n – 1) node.

## Input

* On the first line you will receive an integer – n – number of nodes.
* On the next n lines, you will receive a list of children for the nodes 0 … n - 1 (separated by a space).

## Output

* Print each path on a new line.
* Nodes in the path should be joined by a space.

## Constraints

* Nodes in the path will always be in the range [0… n – 1].

## Examples

|  |  |  |
| --- | --- | --- |
| **Input** | **Output** | **Comments** |
| 5  1  2 3  3  4 | 0 1 2 3 4  0 1 3 4  1 2 3 4  1 3 4  2 3 4  3 4 | Diagram  Description automatically generated |
| 5  1 3  2 3  3 4  4 | 0 1 2 3 4  0 1 2 4  0 1 3 4  0 3 4  1 2 3 4  1 2 4  1 3 4  2 3 4  2 4  3 4 | Diagram  Description automatically generated with medium confidence |