

[Home](#) » [Compete](#) » [April Challenge 2017](#) » Dish Of Life

# Dish Of Life

 | Problem Code: **DISHLIFE**[Tweet](#) [Like](#) [Share](#) 2 people like this. [Sign Up](#) to see what your friends like.

All submissions for this problem are available.

Read problems statements in [Mandarin Chinese](#), [Russian](#) and [Vietnamese](#) as well.

Chef wants to serve mankind by making people immortal by preparing a dish, a dish of life - a dish with the best taste in the universe, one with the smell and splash of fresh water flowing down the springs of the mountain, one with the smell of the best lily flowers of the garden, one that has contained the very essence of life in a real sense.

This dish will contain  $K$  ingredients that are found only in remote islands amid mountains. For sake of convenience, we enumerate the ingredients by the integers from 1 to  $K$ , both inclusive. There are  $N$  islands and each of them offers some ingredients. Chef being a little child did not know how to collect the ingredients for the recipe. He went to all the islands and bought all the ingredients offered in each island. Could he possibly have saved some time by skipping some island? If it was not possible for Chef to collect the required ingredients (i.e. all the  $K$  ingredients), output "sad". If it was possible for him to skip some islands, output "some", otherwise output "all".

## Input

First line of the input contains an integer  $T$  denoting number of test cases. The description of  $T$  test cases follow.

The first line of each test case contains two space separated integers  $N, K$ .

The  $i$ -th of the next lines will contain first an integer  $P_i$ , denoting the number of ingredients grown in the  $i$ -th island, followed by  $P_i$  distinct integers in the range  $[1, K]$ . All the integers are space separated.

## Output

For each test case, output a single line containing one of the strings "sad", "all" or "some" (without quotes) according to the situation.

All Submissions

Successful Submissions



## Constraints

We use cookies to personalise your experience, to provide social media features and to analyse our traffic. We also share information about your use of our site with our social media, advertising and analytics partners who may combine it with other information that you've provided to them or that they've collected from your use of their services. You consent to our cookies if you continue to use our website.

Read our [Privacy Policy](#) and [Terms](#) to know more.

Save my Cookies

- Sum of  $P_i$  over all test cases  $\leq 10^6$

---

## Subtasks

### Subtask #1 (30 points)

- $1 \leq N, K \leq 50$

### Subtask #2 (30 points)

- $1 \leq K \leq 50$

### Subtask #3 (40 points)

- original constraints

---

## Example

### Input

```
3
3 4
3 1 2 3
2 1 3
2 1 2
2 3
3 1 2 3
2 1 3
2 3
2 1 2
2 1 3
```

### Output

```
sad
some
all
```

---

## Explanation

**Example 1.** The ingredient 4 is not available in any island, so Chef can't make the dish of life. Hence, the answer is "sad".

**Example 2.** Chef can just go to the first island and collect all the three ingredients required. He does not need to visit the second island. So, the answer is "some".

**Example 3.** Chef has to visit both the islands in order to obtain all the three ingredients. So, the answer is "all".

Author: [admin2](#)

Editorial: <https://discuss.codechef.com/problems/DISHLIFE>

Tags: [admin2](#), [april17](#)

Date Added: 3-04-2017

Time Limit: 2 secs

Source Limit: 50000 Bytes

Languages: C, CPP14, JAVA, PYTH, PYTH 3.5, PYPY, CS2, PAS fpc, PAS gpc,

RUBY, PHP, GO, NODEJS, HASK, SCALA, D, PERL, FORT,  
WSPC, ADA, CAML, ICK, BF, ASM, CLPS, PRLG, ICON, SCM qobi,  
PIKE, ST, NICE, LUA, BASH, NEM, LISP sbcl, LISP clisp, SCM  
guile, JS, ERL, TCL, PERL6, TEXT, SCM chicken, CLOJ, FS

## Comments ►

---

[CodeChef is a non-commercial competitive programming community.](#)

[About CodeChef](#) | [About Directi](#) | [CEO's Corner](#) | [C-Programming](#) | [Programming Languages](#) | [Contact Us](#)

© 2009 [Directi Group](#). All Rights Reserved. CodeChef uses SPOJ © by [Sphere Research Labs](#)  
In order to report copyright violations of any kind, send in an email to [copyright@codechef.com](mailto:copyright@codechef.com)

**Directi**  
Intelligent People. Uncommon Ideas.  
The time now is: 10:42:44 AM  
Your IP: 169.54.6.221

### **CodeChef - A Platform for Aspiring Programmers**

CodeChef was created as a platform to help programmers make it big in the world of algorithms, **computer programming** and **programming contests**. At CodeChef we work hard to revive the geek in you by hosting a **programming contest** at the start of the month and another smaller programming challenge in the middle of the month. We also aim to have training sessions and discussions related to **algorithms**, **binary search**, technicalities like **array size** and the likes. Apart from providing a platform for **programming competitions**, CodeChef also has various algorithm tutorials and forum discussions to help those who are new to the world of **computer programming**.

### **Practice Section - A Place to hone your 'Computer Programming Skills'**

Try your hand at one of our many practice problems and submit your solution in a language of your choice. Our **programming contest** judge accepts solutions in over 35+ programming languages. Preparing for coding contests were never this much fun! Receive points, and move up through the CodeChef ranks. Use our practice section to better prepare yourself for the multiple **programming challenges** that take place through-out the month on CodeChef.

### **Compete - Monthly Programming Contests and Cook-offs**

Here is where you can show off your **computer programming skills**. Take part in our 10 day long monthly coding contest and the shorter format Cook-off **coding contest**. Put yourself up for recognition and win great prizes. Our **programming contests** have prizes worth up to INR 20,000 (for Indian Community), \$700 (for Global Community) and lots more CodeChef goodies up for grabs.

#### **Programming Tools**

[Online IDE](#)

[Upcoming Coding Contests](#)

[Contest Hosting](#)

[Problem Setting](#)

[CodeChef Tutorials](#)

[CodeChef Wiki](#)

#### **Practice Problems**

[Easy](#)

[Medium](#)

[Hard](#)

[Challenge](#)

[Peer](#)

[School](#)

[FAQ's](#)

#### **Initiatives**

[Go for Gold](#)

[CodeChef for Schools](#)

[Campus Chapters](#)