

[All Contests](#) > [ALCoding Summer long challenge 3](#) > Favorite numbers and password

Favorite numbers and password

locked

by [pruthvishalcodi1](#)

Problem

Submissions

Leaderboard

Discussions

ALbaba has a list of n favorite numbers which are birthday, driving license, passport number, etc After creating an email account, ALbaba wants to choose a password as the largest number P among all possible numbers generated by the combinations of k ($1 \leq k \leq n$) positive numbers in the favorite list so that P is divisible by 9.

Your task is writing a program to help find P the password for ALbaba's email.

Input Format

The first line contains a positive integer T as the number of test cases in the input file. The following lines describe information of each test case including:

- One line containing two positive integers n and k ,
- n following lines are n favorite numbers.

Constraints

- $T \leq 30$
- $1 \leq k \leq n \leq 100$
- $1 \leq \text{all favorite numbers} \leq 10^6$

Output Format

The output file contains T lines; each line is the solution of the corresponding test case that is either password P or -1 in case of not finding a feasible number.

Sample Input 0

```
2
3 2
1
2
3
5 2
1
2
3
4
5
```

Sample Output 0

-1
54

f t in

Submissions: 20

Max Score: 25

Rate This Challenge:

☆☆☆☆☆

[More](#)

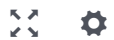
Admin Options

[Edit Challenge](#)

[View Submissions](#)

Current Buffer (saved locally, editable) 🔗 ↻

C++14



```
1 #include <cmath>
2 #include <cstdio>
3 #include <vector>
4 #include <iostream>
5 #include <algorithm>
6 using namespace std;
7
8
9 int main() {
10     /* Enter your code here. Read input from STDIN. Print output to STDOUT */
11     return 0;
12 }
```

Line: 1 Col: 1

[Upload Code as File](#) ☐ Test against custom input

Run Code

Submit Code

[Contest Calendar](#) | [Interview Prep](#) | [Blog](#) | [Scoring](#) | [Environment](#) | [FAQ](#) | [About Us](#) | [Support](#) | [Careers](#) | [Terms Of Service](#) | [Privacy Policy](#) | [Request a Feature](#)