Favorite numbers and password

locked

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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 <= k <= 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 <= 30
- 1 <= k <= n <= 100
- 1 <= all favorite numbers <= 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
```

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Current Buffer (saved locally, editable) C++14

```cpp
#include <cmath>
#include <cstdio>
#include <vector>
#include <iostream>
#include <algorithm>
using namespace std;


int main() {
    /* Enter your code here. Read input from STDIN. Print output to STDOUT */
    return 0;
}
```

Line: 1 Col: 1

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