Problem 9.4 **Not So Boring Contest Scoring** (page 1 of 2)

Overview: Sort contestants based on total score and output their ranking.

Description: In an effort to boost its 2% yield rate, the Underwater Basket Weaving Institute of Technology (UBWIT) is holding its first ever basket weaving contest (BWC). Renowned basket weavers from all over the world have left their underground hobbit holes to attend this prestigious event.

As underwater basket weaving is a challenging and dangerous activity, the BWC designed problems of three different levels of difficulty in order to cater to a wide range of aspiring basket weavers and to minimize human casualties. The problems are divided into categories of two-, five-, and nine- point problems, with ranks being decided by highest total score. Ties are broken by the most nine-pointers, followed by the most five-pointers, and then the most two-pointers.

Unfortunately, the even more prestigious Underwater Basket Weaving Polytechnic Institute (UBWPI), angry and confused by the fact that UBWIT is finally taking some initiative, has publicly expressed their intentions to sabotage the contest, so UBWIT must tabulate the results as quickly as possible before UBWPI tinkers with them.

As the only student at UBWIT that is not specializing in basket weaving (and therefore not participating in this competition), the job of stopping UBWPI and writing a program that will calculate the contest results has fallen to you. Best of luck – the fate of UBWIT rests in your hands.

Time Allocation: 1 second

Input: The first line contains an integer *k*, representing the number of teams that are participating in BWC. The next *k* lines will each contain a single-word name *s*, followed by three integers *t f n*, each separated by exactly one space, representing the number of two-, five-, and nine- point problems solved by contestant *s*, respectively.

Output: The output should contain *k* lines of output, with each line containing a single-word contestant name. Print the contestants in decreasing order of performance, starting at first place.

The output is to be formatted exactly like the sample output given below.

Assumptions: *k* will be an integer between 1 and 100, inclusive.
s will be no longer than 50 characters and will contain only the uppercase and lowercase characters `A-Z` and `a-z`.
t, *f*, and *n* will each be an integer between 0 and 5, inclusive.
No two contestants will solve exactly the same number of two-, five-, and nine-pointers. That is, all ties can be broken.
All input will be valid.

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Sample Input #1:

```
5
Coil 3 3 3
Yucca 3 2 4
Twine 4 5 2
Wicker 0 2 5
Split 5 2 3
```

Sample Output #1:

```
Wicker
Yucca
Twine
Coil
Split
```

Sample Input #2:

```
2
Whale 5 5 4
Porcupine 3 4 5
```

Sample Output #2:

```
Porcupine
Whale
```