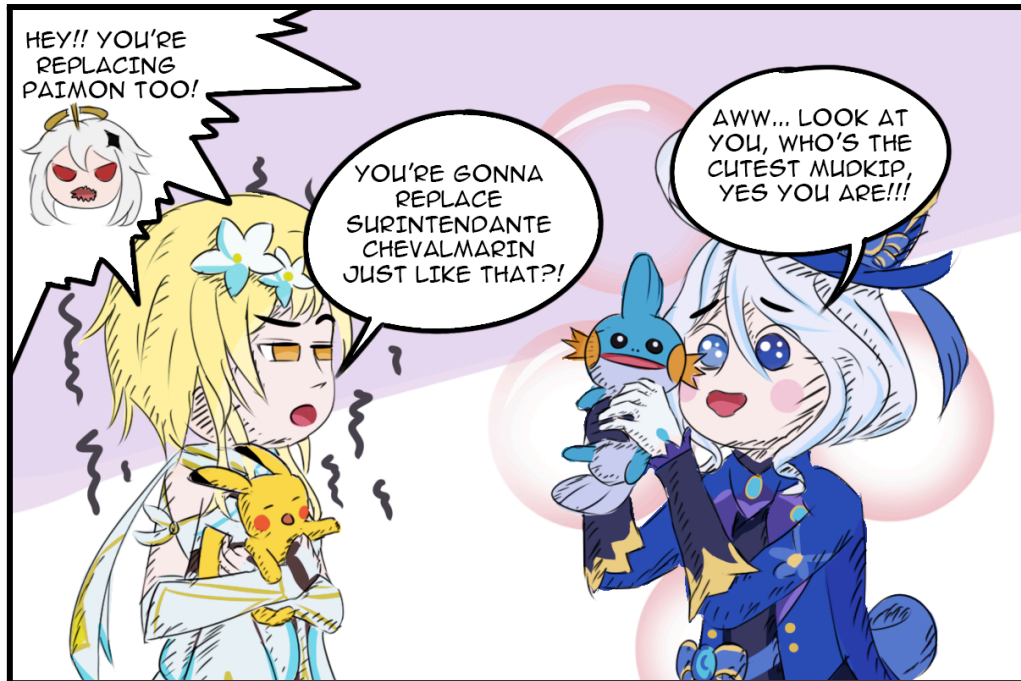


Crossover



Soal oleh: Rakha Fathin

Ilustrasi oleh: Rakha Fathin

Description

Di suatu hari di Teyvat, ada fenomena yang aneh. Tiba-tiba monster-monster berkeliaran. Tetapi mereka bukan monster biasa, mereka adalah Pokémon! Benar, entah mengapa dan bagaimana Pokémon telah hadir di dunia Teyvat. Para penghuni Teyvat pun langsung menangkap dan melatih mereka. Hal ini wajar karena Teyvat memiliki 7 elemen yang mungkin bisa berkorelasi dengan 18 tipe Pokémon yang ada.

Di dunia yang kacaw dan absurd itu, tidak lama para penghuni Teyvat sudah mempunyai Pokémon mereka masing-masing, yang membuat mereka menjadi Pokémon Trainer. Maka dari itu, Mavuika, God of War sangat ingin mengadakan turnamen antar trainer. Banyak trainer yang sangat antusias dan ingin ikut.

Akan terdapat N jumlah trainer dengan Pokémon mereka masing-masing. Setiap Pokémon memiliki atribut berikut:

- HP,
- Attack,
- Defense,
- Speed

Penjelasan atribut tidak diperlukan di soal ini, lagi pula, mereka sangat self-explanatory.

Bantulah mereka dengan menentukan pemenang turnamen ini. Pemenang turnamen adalah trainer yang memiliki Pokémon dengan rata-rata atribut tertinggi.

Input Format

Baris pertama merupakan sebuah integer N . Lalu, N baris berikutnya adalah nama *trainer*, nama Pokemon, HP, Attack, Defense, dan Speed dari pokemon tersebut.

```
 $N$   
 $NamaTrainer_1,>NamaPokemon_1,>HP_1,>Attack_1,>Defense_1,>Speed_1$   
 $NamaTrainer_2,>NamaPokemon_2,>HP_2,>Attack_2,>Defense_2,>Speed_2$   
...  
 $NamaTrainer_N,>NamaPokemon_N,>HP_N,>Attack_N,>Defense_N,>Speed_N$ 
```

Output Format

Keluarkan nama Pokemon dengan rata-rata atribut tertinggi beserta nama trainernya.

```
" $NamaPokemon$  wins!  $NamaTrainer$  said ez"
```

Constraint

$$2 \leq N \leq 100$$

$$3 \leq \text{Panjang nama Trainer dan Pokemon} \leq 20$$

$$1 \leq HP, Attack, Defense, Speed \leq 10^6$$

Sample Input 0

```
3  
Aether Pikachu 35 55 40 90  
Lumine Eevee 55 55 50 55  
Paimon Clefairy 70 45 48 35
```

Sample Output 0

```
Pikachu wins! Aether said ez
```

Penjelasan Output 0

$$\text{Rata-rata atribut Pikachu (Pokemonnya Aether)} = \frac{35 + 55 + 40 + 90}{4} = 55$$

$$\text{Rata-rata atribut Eevee (Pokemonnya Lumine)} = \frac{55 + 55 + 50 + 50}{4} = 53.75$$

$$\text{Rata-rata atribut Clefairy (Pokemonnya Paimon)} = \frac{70 + 45 + 48 + 35}{4} = 49.5$$

Pokemon dengan rata-rata atribut terbesar adalah Pikachu. Sementara Pikachu adalah milik Aether.

Sample Input 1

```
7
Venti Rayquaza 165 125 80 190
Zhongli Groudon 230 100 95 130
Ei Miraidon 140 140 100 170
Nahida Xerneas 180 90 140 155
Furina Kyogre 240 125 95 115
Mavuika Reshiram 190 120 120 140
Tsaritsa Kyurem 220 100 110 120
```

Sample Output 1

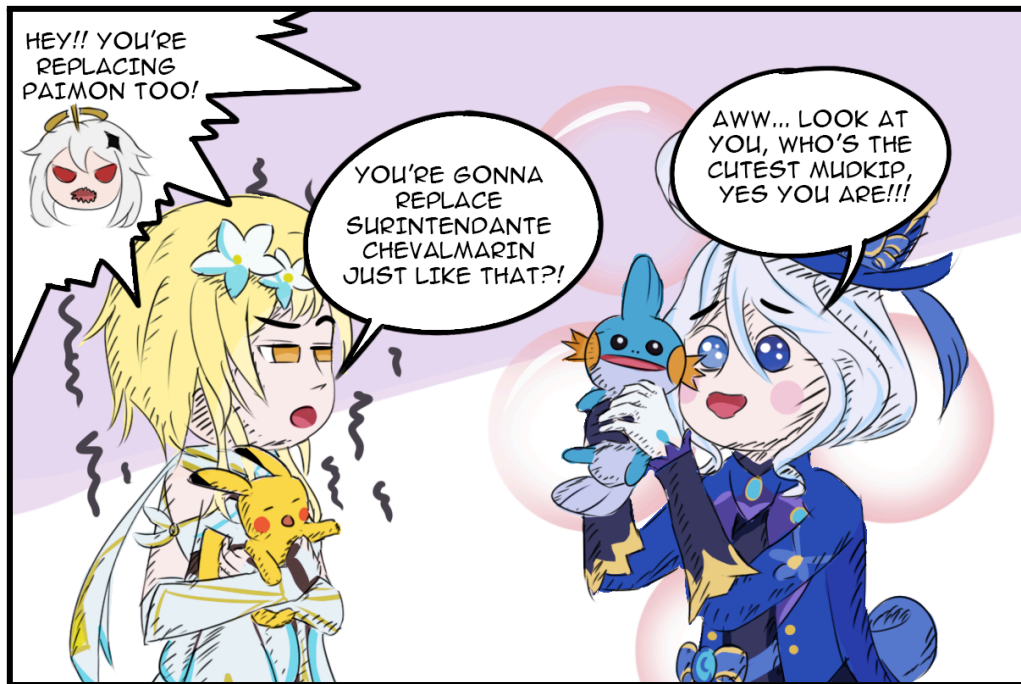
```
Kyogre wins! Furina said ez
```

KALIAN WAJIB MEMAKAI STRUCT! JIKA KALIAN TIDAK MEMAKAI STRUCT, MAKA AKAN MENDAPAT VERDICT WRONG ANSWER!

4th Module

Fundamental Programming 2024

Crossover



Problem by: Rakha Fathin

Illustration by: Rakha Fathin

Description

One day in Teyvat, a strange phenomenon occurred. Suddenly, monsters were roaming around. But they weren't ordinary monsters; they were Pokémon! Somehow, Pokémon had appeared in the world of Teyvat. The inhabitants of Teyvat immediately started catching and training them. This was natural, as Teyvat has 7 elements that could correlate with the 18 Pokémon types.

In this chaotic and absurd world, it didn't take long for the people of Teyvat to have their own Pokémon, making them Pokémon Trainers. Because of this, Mavuika, the God of War, decided to hold a tournament for the trainers. Many trainers were excited and eager to participate.

There will be N trainers with their respective Pokémon. Each Pokémon has the following attributes:

- HP
- Attack
- Defense
- Speed

No further explanation of the attributes is necessary, as they're pretty self-explanatory.

Help them determine the winner of this tournament. The tournament winner is the trainer with the Pokemon that has the highest average attribute score.

Input Format

First row will be an Integer N . The next N row will be the trainer's name, their Pokemon's name, HP, Attack, Defense, and Speed of that Pokemon.

```
 $N$   
 $TrainerName_1, PokemonName_1, HP_1, Attack_1, Defense_1, Speed_1$   
 $TrainerName_2, PokemonName_2, HP_2, Attack_2, Defense_2, Speed_2$   
...  
 $TrainerName_N, PokemonName_N, HP_N, Attack_N, Defense_N, Speed_N$ 
```

Output Format

Output the name of the Pokemon with the highest average attribute along with its trainer.

```
" $PokemonName$  wins!  $TrainerName$  said ez"
```

Constraint

$$2 \leq N \leq 100$$

$$3 \leq \text{Length of Trainer's and Pokemon's name} \leq 20$$

$$1 \leq HP, Attack, Defense, Speed \leq 10^6$$

Sample Input 0

```
3  
Aether Pikachu 35 55 40 90  
Lumine Eevee 55 55 50 55  
Paimon Clefairy 70 45 48 35
```

Sample Output 0

```
Pikachu wins! Aether said ez
```

Output 0 Explanation

$$\text{Pikachu's average attribute (Aether's Pokemon)} = \frac{35 + 55 + 40 + 90}{4} = 55$$

$$\text{Eevee's average attribute (Lumine's Pokemon)} = \frac{55 + 55 + 50 + 50}{4} = 53.75$$

$$\text{Clefairy's average attribute (Paimon's Pokemon)} = \frac{70 + 45 + 48 + 35}{4} = 49.5$$

The Pokemon with the highest average attribute is Pikachu. While Pikachu is Aether's Pokemon.

Sample Input 1

```
7
Venti Rayquaza 165 125 80 190
Zhongli Groudon 230 100 95 130
Ei Miraidon 140 140 100 170
Nahida Xerneas 180 90 140 155
Furina Kyogre 240 125 95 115
Mavuika Reshiram 190 120 120 140
Tsaritsa Kyurem 220 100 110 120
```

Sample Output 1

```
Kyogre wins! Furina said ez
```

YOU MUST USE STRUCT! IF YOU'RE NOT USING STRUCT, THEN THE VERDICT WILL BE WRONG ANSWER!