Temperature

WorldTemperature.com is a website which list various temperature of cities all over the world. In their website, some cities use different metric temperature; Celsius (C) and Fahrenheit (F). In the next month, they want to add a feature to sort the list of cities based on their temperature; from the coldest to the hottest cities. Nevertheless, they still want to keep the original temperature metric for all cities.

Format Input

All temperature data are stored in a file named **testdata.in** with maximum N lines. Each line contains three data, those are: **City Name**, **Temperature**, and **Metric**. Each data is separated by # as a delimiter.

Format Output

N lines temperature data which list the coldest to the hottest cities. If two or more cities have the same amount of temperature, sort them by using city name in ascending order (A – Z). The format of the output is "[city name] is [temperature][metric]". Use a two-digit comma separated number format for the temperature.

Constraints

- $1 \leq N \leq 100$
- $1 \leq$ Length of City Name ≤ 1000
- $-60 \leq$ temperature ≤ 224

Sample Input 1 (standard input)

```
Jakarta#28#C
New York#37.4#F
Tokyo#9#C
London#9#C
Singapore#27#C
Vancouver#-1#C
Taipei#64.4#F
Denver#-4#C
Santiago#69.8#F
New Delhi#11#C
```

Sample Output 1 (standard output)

```
Denver is -4.00C
Vancouver is -1.00C
New York is 37.40F
London is 9.00C
Tokyo is 9.00C
New Delhi is 11.00C
Taipei is 64.40F
Santiago is 69.80F
Singapore is 27.00C
Jakarta is 28.00C
```

Note:

$Celcius = (Fahrenheit - 32) * 5/9$

Temperature

WorldTemperature.com adalah sebuah website yang menunjukkan berbagai temperatur dari kota diseluruh penjuru dunia. Dalam website mereka, beberapa kota menggunakan satuan temperatur yang berbeda; Celcius (C) dan Fahrenheit (F). Dalam bulan depan, mereka ingin menambahkan fitur untuk mengurutkan daftar kota berdasarkan temperatur mereka; dari kota paling dingin sampai kota paling panas. Namun, mereka tetap ingin menyimpan satuan temperatur original untuk masing-masing kota.

Format Input

Setiap data temperatur disimpan dalam file bernama **testdata.in** dengan maximum N baris. Setiap baris berisi tiga data, yaitu: **City Name**, **Temperature**, dan **Metric**. Setiap data dipisahkan oleh # sebagai pembatas.

Format Output

N baris data temperatur diurutkan dari kota terdingin hingga kota terpanas. Jika dua atau lebih kota memiliki temperatur yang sama, urutkan menggunakan nama kota dengan urutan menaik (A - Z). Format outputnya adalah "[city name] is [temperature][metric]". Gunakan dua angka di belakang koma untuk temperatur.

Constraints

- $1 \leq N \leq 100$
- $1 \leq$ Length of City Name ≤ 1000
- $-60 \leq$ temperature ≤ 224

Sample Input 1 (standard input)

```
Jakarta#28#C
New York#37.4#F
Tokyo#9#C
London#9#C
Singapore#27#C
Vancouver#-1#C
Taipei#64.4#F
Denver#-4#C
Santiago#69.8#F
```

```
New Delhi#11#C
```

Sample Output 1 (standard output)

```
Denver is -4.00C
Vancouver is -1.00C
New York is 37.40F
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Taipei is 64.40F
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Singapore is 27.00C
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Note:

$Celcius = (Fahrenheit - 32) * 5/9$