5386 Cabinets

Well-Built Cabinet Distributors, Inc. recently received an electronic catalog of cabinets from their leading manufacturer, Woodcraft. Unfortunately, the format of the data is not consistent with that expected by Well-Built's inventory software. For this problem, you will construct a program that reformats the Woodcraft catalog for use by the inventory software.

Input

The input begins with a single positive integer on a line by itself indicating the number of the cases following, each of them as described below. This line is followed by a blank line, and there is also a blank line between two consecutive inputs.

Input will be formatted as from a comma-delimited ASCII file. Your program must read all input from the standard input file. Each line in the input has a maximum length of 64 characters and contains the following fields:

Field	Length	Explanation
Style Code	1-3	Code specifying the cabinet's style.
Style Name	0-15	Name for cabinet style.
Description	1-15	Code describing type of cabinet.
Extension	0-25	Additional information about cabinet.
Unit Price	0-6	Manufacturer's suggested retail price (dollars $\times$ 100).

The records are presented in ascending order by Style Code. You may assume that all fields will be consistent with the lengths given, and that all fields will contain appropriate characters.

Output

For each test case, the output must follow the description below. The outputs of two consecutive cases will be separated by a blank line.

Output will consist of a reformatted catalog. The reformatted catalog file will be a comma-delimited ASCII file. The first record in the file must be the following:

```
Item Id,Item Desc,Item Price
```

Each remaining record in the file will have a maximum length of 50 characters and contain the following fields:

Field	Length	Explanation
Item Id	4-13	Unique identification code for inventory database.
Item Desc	1-30	Inventory description of cabinet.
Item Price	4-7	Manufacturer's suggested retail price.

The `Item Id` is formed by concatenating the Style Code and the Description. If the Style Code is less than three characters long, it must be left-filled with zeros to three characters. If the Item Id exceeds 13 characters, then the record is rejected.

The `Item Desc` is formed by concatenating the Style Name, a hyphen, and the Extension. If the Style Name is missing, use the Style Name from the first record of the corresponding Style Code group. If this first record has no Style Name either, then reject the record. If the Extension is not present, then Item Desc is the same as Style Name (no hyphen). If Item Desc exceeds 30 characters, then it must be truncated on the right.

The `Item Price` is formed by formatting the Unit Price as dollars and cents. If Unit Price is not present, then Item Price = 0.00.

Sample Input

```
1

23,CHAMPAGNE,BASE36,3" RECESSED TOE KICK,8900
23,,BASE54,,11000
25,LAUREL,CNR24LT,,15000
107,COLONIAL,BASE54WSIDEJAM
202,SAGEBRUSH,OVRHD54P,USE WITH HDWARE KIT #3207
221,ALVEA MODERN,BASE36
221,ALVEA MODERN,OVRHD54WCAP
```

Sample Output

```
Item Id,Item Desc,Item Price
023BASE36,CHAMPAGNE-3" RECESSED TOE KICK,89.00
023BASE54,CHAMPAGNE,110.00
025CNR24LT,LAUREL,150.00
202OVRHD54P,SAGEBRUSH-USE WITH HDWARE KIT ,0.00
221BASE36,ALVEA MODERN,0.00
```