

Program Name: who.cpp

Input File: who.dat

Caller ID systems use the media access control (MAC) address (an address that denotes a physical telephone) to search for the caller's name in a database. The data is then sent to the destination telephone for display. Your program is to implement the search of the database using the caller's MAC address. In this program, we will assume that the MAC address is a 5-byte integer given as a series of 5 integers in the range of 0 to 255, inclusive. Your program will be given a customer database that associates MAC addresses to customer names. MAC addresses will appear only once in the database, but there may be many MAC addresses that have the same customer name associated with them (1 person with multiple phones or multiple people with the same name).

Input

Input to your program consists of a customer database followed by a series of calls that require queries of your database. The first line of the input file contains a single integer ($1 \leq N \leq 100$) starting in column 1 that represents the number of MAC address/customer name entries in the database. Lines 2 through $N+1$ each contain exactly 1 MAC address/customer name entry. The MAC address is given as a series of 5 integers each between 0 and 255 (inclusive) separated by spaces. The customer name is separated from the 5 integers of the MAC address by a single space and is delimited by forward slashes at the beginning and end. Your program should consider everything between, but not including, the slashes to be the customer name for the MAC address. Customer names will not exceed 30 characters in length (not including the delimiting slashes).

Calls start on line $N+2$. The MAC addresses for calls are given one per line (5 integers each between 0 and 255 inclusive separated by spaces) and your program should read to the end of file. All MAC addresses of the calls appear in the MAC address/customer name database.

Output

For each call, you program should print the customer name associated with that MAC address. Each customer name should be printed on a line by itself.

Example: Input File

```
10
83 34 134 43 65 /Charlie Brown/
193 82 8 132 224 /Sally Brown/
23 1 45 2 34 /Buck Wheat/
7 35 235 98 2 /Alfalpa Nader/
98 1 83 83 82 /Stimey Rascal/
18 183 28 28 14 /Cotton Rascal/
28 28 91 232 213 /Darla Bea Cutie/
91 38 183 23 91 /Froggie Boy/
182 181 92 255 155 /Dilbert Cartoon/
88 222 222 222 132 /Jane Seymour/
28 28 91 232 213
23 1 45 2 34
182 181 92 255 155
```

Output to screen

```
Darla Bea Cutie
Buck Wheat
Dilbert Cartoon
```