#include<iostream>

#include<string>

#include<algorithm>

#include<queue>

#include<vector>

#include<sstream>

#define MAX 10005

using namespace std;

struct bookes{

string ID;

string title;

string author;

string keywords[5];

int keyword\_num;

string publisher;

string publish\_year;

}book[MAX];

int comp(bookes a,bookes b)

{

if (a.ID < b.ID)

return 1;

else

return 0;

}

int main()

{

//storage

int num;

cin >> num;

getchar();

for (int i = 0; i < num; i++)

{

getline(cin,book[i].ID);

getline(cin,book[i].title);

getline(cin, book[i].author);

//keyword process

string temp;

getline(cin, temp);

stringstream input(temp);

int ori = 0;

while (input >> temp)

{

book[i].keywords[ori] = temp;

ori++;

}

book[i].keyword\_num = ori;

//process over

getline(cin, book[i].publisher);

getline(cin, book[i].publish\_year);

}

//sort

sort(book, book + num, comp);

//search&output

int num\_2;

cin >> num\_2;

getchar();

while (num\_2--)

{

string temp;

getline(cin, temp);

cout << temp << endl;

temp= temp.substr(3, temp.length() - 1);

int flag = 0;

for (int i = 0; i < num; i++)

{

if (temp == book[i].ID || temp == book[i].title || temp == book[i].publisher || temp == book[i].publish\_year || temp == book[i].author)

{

cout << book[i].ID<<endl;

flag = 1;

continue;

}

else

{

for (int j = 0; j < book[i].keyword\_num; j++)

{

if (temp == book[i].keywords[j])

{

cout << book[i].ID << endl;

flag = 1;

break;

}

}

}

}

if (!flag)

cout << "Not Found" << endl;

}

}