

## Subscriptions

X36383\_en

There are a number of artists that have recorded albums with tracks. Moreover, there are a number of users subscribed to artists. Print the catalog of artists on the appropriate format, including the subscribed users of each artist.

### Input

The input starts with an integer  $N$  denoting the number of artists. The next  $N$  lines contain the description of each artist on the format “<artist name>-<isGroup>”, where <artist name> is the name of the artist and <isGroup> equals “Y” if the artist is a group, and “N” otherwise. The next line contains an integer  $M$  denoting the number of albums. The next  $M$  lines contain the description of each album on the format “<artist name>-<album name>-<isListed>”, where <artist name> is the name of the artist recording the album, <album name> is the name of the album, and <isListed> equals “Y” if the album is listed, and “N” otherwise. The next line contains an integer  $K$  denoting the number of tracks. The next  $K$  lines contain the description of each track on the format “<artist name>-<album name>-<track name>-<master file>-<duration>”. Here, <master file> is the name of the sound file containing the track, and <duration> is its duration in seconds. The next line contains an integer  $P$  denoting the number of users. The next  $P$  lines contain the description of each user on the format “<user name>-<user email>”. The next line contains an integer  $Q$  denoting the number of subscriptions. The next  $Q$  lines contain the description of each subscription on the format “<user name>-<artist name>”.

### Output

For each artist in the order they appear in the input, print its information on the format specified in the example.

#### Sample input 1

5	A user-a@mail.org
Pink Floyd-Y	Another user-another@mail.org
Guns'N'Roses-Y	4
Eagles-Y	A user-Pink Floyd
Queen-Y	Another user-Queen
The Beatles-Y	A user-Eagles
5	Another user-The Beatles
Pink Floyd-Dark Side Of The Moon-Y	
Guns'N'Roses-Appetite For Destruction-N	
Eagles-Hotel California-Y	
Queen-A Night at the Opera-Y	
The Beatles-Revolver-N	
6	
Pink Floyd-Dark Side Of The Moon-Money-money.wav-390	
Pink Floyd-Dark Side Of The Moon-Us and Them-us.wav-471	
Guns'N'Roses-Appetite For Destruction-Welcome to the Jungle-jungle.wav-271	
Eagles-Hotel California-Hotel California-hotel.wav-390	
Queen-A Night at the Opera-Bohemian Rhapsody-bohemian.wav-357	
The Beatles-Revolver-Yellow Submarine-submarine.wav-159	
2	

## Sample output 1

```
Pink Floyd [group]
    Money [390s]
        money.wav
    Us and Them [471s]
        us.wav
Album: Dark Side Of The Moon
1 - Money [390s]
2 - Us and Them [471s]
A user
Guns'N'Roses [group]
    Welcome to the Jungle [271s]
        jungle.wav
Album: Appetite For Destruction [unlisted]
1 - Welcome to the Jungle [271s]
Eagles [group]
```

```
Hotel California [390s]
    hotel.wav
Album: Hotel California
1 - Hotel California [390s]
A user
Queen [group]
    Bohemian Rhapsody [357s]
        bohemian.wav
Album: A Night at the Opera
1 - Bohemian Rhapsody [357s]
Another user
The Beatles [group]
    Yellow Submarine [159s]
        submarine.wav
Album: Revolver [unlisted]
1 - Yellow Submarine [159s]
Another user
```

## Problem information

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