Day 8: Dictionaries and Maps

**Objective**   
Today, we're learning about Key-Value pair mappings using a *Map* or *Dictionary* data structure. Check out the [Tutorial](https://www.hackerrank.com/challenges/30-dictionaries-and-maps/tutorial) tab for learning materials and an instructional video!

**Task**   
Given names and phone numbers, assemble a phone book that maps friends' names to their respective phone numbers. You will then be given an unknown number of names to query your phone book for. For each queried, print the associated entry from your phone book on a new line in the form name=phoneNumber; if an entry for is not found, print Not found instead.

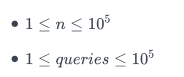
**Note:** Your phone book should be a Dictionary/Map/HashMap data structure.

**Input Format**

The first line contains an integer, , denoting the number of entries in the phone book.   
Each of the subsequent lines describes an entry in the form of space-separated values on a single line. The first value is a friend's name, and the second value is an -digit phone number.

After the lines of phone book entries, there are *an unknown number of lines of queries*. Each line (query) contains a to look up, and you must continue reading lines until there is no more input.

**Note:** Names consist of lowercase English alphabetic letters and are *first names* only.

**Constraints**  


**Output Format**

On a new line for each query, print Not found if the name has no corresponding entry in the phone book; otherwise, print the full and in the format name=phoneNumber.

**Sample Input**

3

sam 99912222

tom 11122222

harry 12299933

sam

edward

harry

**Sample Output**

sam=99912222

Not found

harry=12299933

**Explanation**

We add the following *(Key,Value)* pairs to our map so it looks like this:



We then process each query and print key=value if the queried is found in the map; otherwise, we print Not found.

*Query 0:* sam   
Sam is one of the keys in our dictionary, so we print sam=99912222.

*Query 1:* edward   
Edward is not one of the keys in our dictionary, so we print Not found.

*Query 2:* harry   
Harry is one of the keys in our dictionary, so we print harry=12299933.