Given a sentence, s, write a RegEx to match the following criteria:

- 1. The first character must be the letter H or h.
- 2. The second character must be the letter I or i.
- 3. The third character must be a single space (i.e.:  $\setminus s$ ).
- 4. The fourth character *must not* be the letter D or d.

Given n lines of sentences as input, print each sentence matching your RegEx on a new line.

# **Input Format**

The first line contains an integer, n, denoting the number of lines of sentences. Each of the n subsequent lines contains some sentence s you must match.

#### **Constraints**

- 1 < n < 10
- Each sentence, s, contains 1 to 10 words.
- Each word/token in a sentence is comprised only of upper and lowercase English letters.

# **Output Format**

Find each sentence, s, satisfying the RegEx criteria mentioned above, and print it on a new line.

#### Sample Input

5 Hi Alex how are you doing hI dave how are you doing Good by Alex hidden agenda Alex greeted Martha by saying Hi Martha

### Sample Output

Hi Alex how are you doing

# **Explanation**

The first sentence satisfies the RegEx criteria set forth in the Problem Statement (starts with the case-insensitive word Hi, followed by a space, followed by a letter that is  $not\ d$ ), so we print the sentence on a new line.

The second sentence fails our RegEx criteria, as the second word/token starts with a d (so we print nothing).

The third sentence fails our RegEx criteria, as it doesn't start with an h (so we print nothing).

The fourth sentence fails our RegEx criteria, as the third character in the sentence is not a space (so we print nothing).

The fifth sentence fails as our RegEx criteria, as the sentence $\it does\ not\ start$ with the word $\it Hi$ (so we p nothing).	rint