Acid Naming

Jonathan is in a science class, but because he does not understand how to name acids, he would like you to make a program for him. There are two types of acids at his level, $non-metal$ and $polyatomic$.

Conditions for naming an acid:

- If the given input starts with `hydro` and ends with `ic` then it is a non-metal acid.
- If the input only ends with `ic` then it is a polyatomic acid.
- If it does not have either case, then output `not an acid`.

For example, for the input, **hydrochloroic**, the correct output is $non\text{-}metal\ acid$ as the input begins with `hydro` and ends with `ic`.

Complete the function `acidNaming` which takes a string input with the name of the acid, and return a string describing the appropriate type of acid.

Input Format

The first line will contain an integer q.
The next q lines will contain a single word s.

Constraints

- $1 \leq q \leq 100$
- Word s is made up of lower-case english letters.
- $2 \leq$ Length of $s \leq 10^4$

Output Format

If the word starts with `hydro` and ends with `ic` then it is a non-metal acid. Hence, the correct output is $non\text{-}metal\ acid$.

If the word only ends with `ic` then it is a $polyatomic\ acid$. Hence, the correct output is $polyatomic\ acid$.

If the word does not meet any of the cases, then the correct output is $not\ an\ acid$.

Sample Input 0

```
3
hydrochloric
rainbowic
idontevenknow
```

Sample Output 0

```
non-metal acid
polyatomic acid
not an acid
```

Explanation 0

In the first case, the input begins with `hydro` and ends with `ic`, hence, the correct output is $non\text{-}metal\ acid$.
In the second case, the input only ends with `ic`, hence, the correct output is $polyatomic\ acid$.
The third case, the input neither begins with `hydro` nor ends with `ic`, hence the correct output is $not\ an\ acid$.