**1.**Using a list expression and the split method, make a list of the entered numbers written on one line without specifying their number in advance; then print on one line only those squares of odd numbers that do not end with the number 9.

**Input format**

Several natural numbers on one line.

**Output format**

Several numbers on one line.

**Example**

**Input** **Output**

1 2 3 4 5 6 7 8 9 1 25 81

**Input** **Output**

11 12 13 14 15 16 17 18 19 20 121 225 361

**2.** Choosing a strong password is no easy task. Write a password\_level (password) function that takes a string as input and determines if it is a strong password.

1. The password must contain 6 or more characters - otherwise the function must return the string “Invalid password”.

2. If the password contains only numbers or only letters of the same register, the function should return the string "Unreliable password".

3. If the password contains letters of different registers or letters of the same register and numbers, the function should return the string “Weak password”.

4. If the password contains both numbers and letters of different registers, the function should return the string "Strong Password".

**Example**

**Input** **Output**

print(password\_level("qwerty")) Unreliable password

**Input** **Output**

print(password\_level("123Qwerty")) Strong Password

**Input** **Output**

print(password\_level("Qwerty")) Weak password

**3.** Alex received at the end of the school year a list of literature for the summer. Now he needs to find out which books from this list he has and which ones not. Fortunately, Alex has a text document on his computer in which all the books from his home library are recorded in random order. Determine which books from the list for the summer Alex has and which ones are not.

**Input format**

The first line contains the number M - the number of books in the home library. The second line contains the number N - the number of books in the list for the summer. There is at least one book in each home library and book list (M ≥ 1 and N ≥ 1). Next are M lines with the names of books from the home library and N lines of names from the list for the summer. It is guaranteed that all the words in the book titles are separated by one space, and after the last word the line feed immediately begins (that is, there are no "invisible" spaces).

**Output format**

Output: N lines, in each of which the word YES is written if the book is found in the library, and NO if not.

**Example**

**Input** **Output**

4 YES

2 NO

Hobbit

Alice in Wonderland

Tom Sawyer

Treasure Island

Tom Sawyer

Lord of the Rings

**Example**

**Input** **Output**

4 NO

4 YES

Hobbit YES

Alice in Wonderland NO

Tom Sawyer

Treasure Island

Pinocchio

Hobbit

Treasure Island

War and Peace