## horizontal line

**Smart Keypad -Advanced**

# **Problem Statements :**

Given a long vector of strings, print the strings that contain the strings generated by numeric string str.

string searchIn [] = {  
 "prateek", "sneha", "deepak", "arnav", "shikha", "palak",  
 "utkarsh", "divyam", "vidhi", "sparsh", "akku"  
 };

For example, if the input is 26 and the string is coding, then output should be coding since 26 can produce co which is contained in coding.

# **Input Format :**

A numeric string str

# **Constraints :**

len(str) < 10  
No of strings in the vector < 10

# **Output Format :**

Each matched string from the given vector.

# **Sample Input :**

34

# **Sample Output :**

vidhi  
divyam  
sneha

**Explanation :**

34 will result into combinations :

\*dg \*eg \*fg  
\*dh \*eh \*fh  
\*di \*ei \*fi

Corresponding strings are output.

1. vidhi contains dh
2. divyam contains di
3. sneha contains eh