# Problem: Encryption

**Sample Input**

haveaniceday

**Sample Output 0**

hae and via ecy

**Sample Input 1**

feedthedog

**Sample Output 1**

fto ehg ee dd

Program:

import math

s = input()

L = len(s)

rows = int(math.floor(math.sqrt(L)))

columns = int(math.ceil(math.sqrt(L)))

output = ""

for i in range(columns):

        k = i

        for j in range(k,L,columns):

            output+=s[j]

        output+=" "

print(output)