Given an array arr[] of size N and an integer K. The task is to find the last remaining element in the array after reducing the array.

#!/usr/bin/env python

N=int(input("N = "))

arr=[]

for i in range(N):

ele=int(input())

arr.append(ele)

k=int(input("k = "))

D=N

for i in range(D):

z=arr[0]+arr[-1]

arr.pop(0)

arr.pop(-1)

p=z%k

j=(D//2)+1

arr.insert(j,p)

if len(arr)==1:

print(arr)

break

**INPUT**

**N=5**

**1 2 3 4 5**

**K=7**

**OUTPUT**

**1**