1. You are given an integer K and a string S. Your task is to print those characters from the string which occur exactly K times.

For example, if K=3 and S= “ **Helloiiitdmkancheepuram** ”, print **eeeiii**. If no solution exists, then print -1.

1. Kattapa, as you all know, was one of the greatest warriors of his time. The kingdom of Maahishmati had never lost a battle under him (as army-chief), and the reason for that was their really powerful army, also called Mahasena. Kattapa was known to be a very superstitious person. He believed that a soldier is "lucky" if the soldier is holding an **even number** of weapons, and "unlucky" otherwise. He considered the army as "READY FOR BATTLE" if the count of "lucky" soldiers is strictly greater than the count of "unlucky" soldiers, and "NOT READY" otherwise.  
   Given the number of weapons each soldier is holding, your task is to determine whether the army formed by all these soldiers is "READY FOR BATTLE" or "NOT READY".  
   Input - Enter the count of weapons each soldier is holding.  
   Output - Generate one line output saying "READY FOR BATTLE", if the army satisfies the conditions that Kattapa requires or "NOT READY" otherwise.
2. A string is said to be palindrome if the reverse of the string is the same as the original string. Write a C code to take n strings as input and for each string, print whether or not it is a palindrome without using any string handling function
3. Pooja would like to withdraw X $US from an ATM. The cash machine will only accept the transaction if X is a multiple of 5, and Pooja's account balance has enough cash to perform the withdrawal transaction (including bank charges). For each successful withdrawal the bank charges 0.50 $US. Calculate Pooja's account balance after an attempted transaction.  
   Input - amount to be withdrawn, total amount in bank account  
   Output - remaining balance after transaction
4. Given an integer **N**, write a program to obtain the sum of the first and last digits of this number.
5. Alice and Bob are meeting after a long time. As usual they love to play some math games. This time Alice takes the call and decides the game. The game is very simple, Alice says out an integer and Bob has to say whether the number is prime or not. Bob as usual knows the logic but since Alice doesn't give Bob much time to think, so Bob decides to write a computer program. Help Bob accomplish this task by writing a C function which will calculate whether the number is prime or not. Write a C program to call that function.
6. It seems like the year of 2013 came only yesterday. Do you know a curious fact? The year of 2013 is the first year after the old 1987 with only distinct digits.Now you are suggested to solve the following problem: given a year number, find the minimum year number which is strictly larger than the given one and has only distinct digits.

InputThe single line contains integer y (1000 ≤ y ≤ 9000) — the year number.

OutputPrint a single integer — the minimum year number that is strictly larger than y and all it's digits are distinct. It is guaranteed that the answer exists.

Sample input:1987

Sample output:2013

Sample input:2013

Sample output:2014

1. You want to travel from the Nth floor to the ground floor. You can take either the stairs or the elevator. The stairs are at an inclination of 45 degrees and you have velocity v1 when walking down it, so the total distance travelled on the stairs would be sqrt(2)\*N. The lift has velocity v2 and it always starts at the ground floor, so the total distance travelled on the lift would be 2\*N. Given the values of N, v1 and v2 at input respectively, print Stairs/Elevator depending on which takes less time.

Ex:

Input: 5 10 15

Output: Elevator

1. Given a sentence, output should be a string which has the last letter of each word in the sentence.

Ex:

Input: The cat chased the rat

Output: tcctr

1. Given an integer, write a program which will print 1 if n is a single digit number, 2 if n has 2 digits, 3 if n has 3 digits, 4 if n has 4 digits and ‘more than 4’ if n has more than 4 digits.

Ex:

Input: 23

Output: 2

Input: 16253

Output: more than 4

1. Given 2 integers k and n, compute the value of sum(n) applied k times, where sum(n) is the sum of integers from 1 to n. The first time sum() is applied to n and each subsequent time it is applied on the output of the previous sum() operation. Your program should be recursive.

Ex:

Input:

2 3

Output:

sum(sum(3)) = sum(1+2+3) = sum(6) = 1+2+3+4+5+6 = 21

1. From the user take 2 integers n, k (0<=k<=9). For the number n print the number of times k appears in that number.

Ex:

5526, 5

Output:

2