

## Problem “ LUCK FOUR” Codechef

***By Prince Agarwal***  
***[ “HELLO WORLD” ]***

# Concepts :-

- Subtask -1 :
- Range -> 0 to 9
- Means : 0 , 1, 2 , 3, 4, 5, 6, 7, 8, 9
- What we do is : **if number is**     $0 < n < 10$  ,
- Output is 1

# Concepts :-

- For Subtask 2
- Range is 0 to  $10^9$
- Means ... 0, 1 ,2 3,...99 ...999 ...9999...10000....99999....  
999999.....9999999....99999999.....999999999
- Now, a number **n** is any one from them...
- It May be ... 23 , 78593, 8298123, 7103793,  
6551821....etc

How you identified the digits in the number directly

A number  $n = 274$

Let's start

Step -1

$\text{Int } p = 274 \% 10 = 4$

$\text{Int } q = n - p \quad // \quad 274 - 4 = 270$

$q = q / 10 \quad // \quad 27$

$q = 27$

$$\begin{array}{r} 10 \quad \boxed{\begin{array}{r} 274 \\ - 20 \\ \hline 74 \\ - 70 \\ \hline 4 \end{array}} \quad 27 \end{array}$$

How you identified the digits in the number directly

A number  $n = 274$

Let's start

Step -1

$\text{Int } p = 274 \% 10 = 4$

$\text{Int } q = n - p \quad // \quad 274 - 4 = 270$

$q = q / 10 \quad // \quad 27$

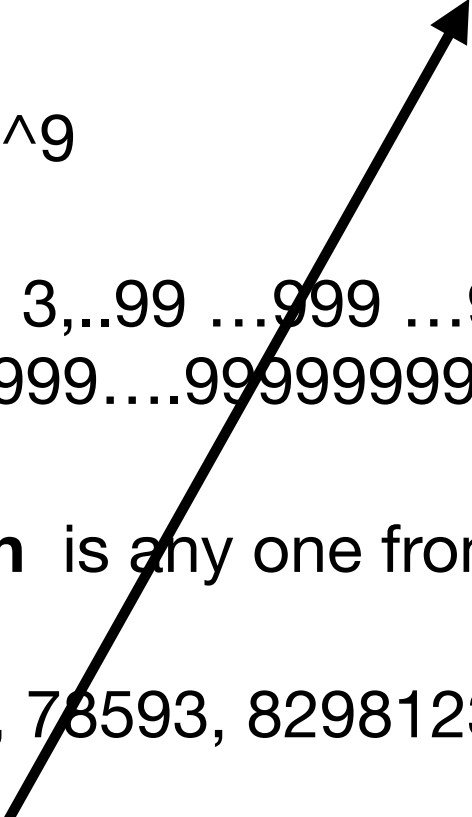
$q = 27$

10

274
- 20
<hr/> 74
- 70
<hr/> 4

27

# Concepts :-

- For Subtask 2
  - Range is 0 to  $10^9$
  - Means ... 0, 1 ,2 3,...99 ...999 ...9999...10000....99999....  
999999.....9999999.....99999999.....999999999
  - Now, a number **n** is any one from them...
  - It May be ... 23 , 78593, 8298123, 7103793,  
6551821....etc
- We go through -> first convert the number into string
- 

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