Last updated: 2018-07-11

1997 HI10

若十位數 1357p1357p 可被 9 整除,求 p 之值。

If the ten-digit number 1357p1357p is divisible by 9, find the value of p.

1999 HG5

把由 1 開始的自然數依次寫下去,直寫到第 198 位為止

Natural numbers are written in order starting from 1 until 198th digit as shown 123456789101112······. If the number obtained is divided by 9,

198 digits

find the remainder.

2005 HG4

當一個三位數減去它的各個數位的數字的和,其差還是一個三位數 $\overline{46x}$, 求x的值。

When a 3-digit number minus the sum of the values of the three digits,

the difference is a 3-digit number $\overline{46x}$, find the value of x.

2017 HI6

若把一組自然數之和1+2+3+…+2015+2016+2017 除以9,餘數是甚麼?

Determine the remainder when the sum of natural numbers

 $1 + 2 + 3 + \cdots + 2015 + 2016 + 2017$ is divided by 9.

2018 FI2.3

若 c 是 $2^{10} - 2^8 + 2^6 - 2^4 + 2^2$ 除以 9 的餘數,求 c 的值。

If c is the remainder when $2^{10} - 2^8 + 2^6 - 2^4 + 2^2$ is divided by 9,

determine the value of c.

Answers

1997 HI10	1999 HG5	2005 HG4	2017 HI5	2018 FI2.3
2	6	8	1	1