C程式設計題

命題者:TWK					
題目名稱(中文/英文):Breakdown ISBN					
主要測試觀念: 基礎 formatted I/O					
Basics	Decision and Loops	Functions			
 Keywords and Identifier Variables and Constants Programming Data Types Expressions ■ Basic Input/Output Programming Operators 	☐ Programming ifelse ☐ User-defined Functions ☐ Programming for Loops ☐ Function Types ☐ dowhile Loops ☐ Programming recursion ☐ break and continue ☐ Storage Class (variable liming switchcase Statement) ☐ Programming goto				
Arrays and Strings	Pointers	Structure and Union			
☐ Arrays ☐ Multi-dimensional Arrays ☐ Arrays and Functions ☐ Strings and Functions	☐ Pointers And Arrays ☐ Pointers And Functions ☐ Dynamic Memory Allocations	☐ Structures and Pointers ☐ Structure and Function ☐ Programming Unions			
Files I/0	Miscellaneous	0ther			
contain 13 d 11-393-97950 group {the O The group id	N). ISBNs assigned after ligits, arranged in five 0-3.(Older ISBNs use 10 GS1 prefix) is currentle dentifier specifies the	er January 1, 2007 ye groups, such as 978- 0 digits.) The first by either 973 or 979. e language or country			
speaking coupublisher (3 number is as specific bootends with a	check digit that's us the preceding digits.	w. Norton). The item er to identify a for this book). An ISBN sed to verify the			
輸入說明:例如,輸入 I	SBN: 978-0-393-97950-3				
輸出說明:則輸出: GS1 prefix: Group identi Publisher co Item number:	fier: 0 de: 393				

Check bit: 3

Note: The number of digits in each group may vary; you can't assume that groups have the lengths shown in this example.

IO 範例:

	Sample Input	Sample Output
第一組測資與輸出	978-0-393-97950-3	GS1 prefix: 978
		Group identifier: 0
		Publisher code: 393
		ltem number: 97950
		Check bit: 3
第二組	979-0-393-96945-2	GS1 prefix: 979
		Group identifier: 0
		Publisher code: 393
		ltem number: 96945
		Check bit: 2

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其他註記:

☑解答程式: BreakdownISBN. c (檔名) ☑測試資料: input. txt, output. txt

■ 易,僅需用到基礎程式設計語法與結構(如單迴圈等)
□中,需用到多項程式設計語法與結構(如雙層迴圈等)
□難,需用到多項程式結構或較為複雜之資料型態或結構(如遞迴、串連
等)
解題時間: 10 分鐘。