C程式設計題

命題者:WWK		
題目名稱(中文/英文): Seven-segment Display		
主要測試觀念:		
Basics	Decision and Loop	
□ Keywords and Identifier □ Variables and Constants □ Programming Data Types □ Expressions □ Basic Input/Output □ Programming Operators	■ Programming ifelse ■ Programming for Loops □ dowhile Loops □ break and continue □ switchcase Statement □ Programming goto	☐ User-defined Functions ☐ Function Types ☐ Programming recursion ■Storage Class (variable life)
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 Allocation	☐ Structures and Pointers ☐ Structure and Function ☐ Programming Unions
Files I/0	Miscellaneous	0ther
☐ Files Input/Output basics ☐ Character I/O and String I/O ☐ Block I/O ☐ Advanced File I/O manipulations	☐ Enumeration ☐ Preprocessor ☐ Low level programming ☐ Error handling ☐ Standard/advanced library	☐ Programming logic training ☐ Programming structure/design training ☐ Localization issues
		ne user for a number and
then displays the number, using characters to simulate the effect of a seven-segment display. 輸入說明:輸入數字,請忽略非數字之字元,一次輸入最多 100 個字元。		
輸出說明:將輸入的數字以七段顯示器的方式輸出。例如:輸入 83-5 輸出為 (為了方便表示以'*'代表',輸出請以'(空格)輸出): *_**_**_* * *		
_ * _ * _ _ * _ * _		
IO 範例 :		
	Sample Input	Sample Output * ** ** *
第一組測資與輸	出 83-5	^_^_^_ _ *_ _* _ *_ *_
第二組	1236	****
第三組	94!53	* **** ** * ** _ _ _ _**_

附屬資料:
☑解答程式:Seven_segmentDisplay.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:15 分鐘。
其他註記: