

My Notes My Questions 6.找着水小的製值(未到方) 5. 找最大值(未排序) 111选一了first item pivoticax 放 pivot item在的存在的原列中抽样行数 if (an Array has only one item) 为1小於6月7段左连,大於等於6月放不逆 →在基至的作列中排行第长 maxArray (anArray) is the rtem in anArray else if (andriay has more than one item) · 生下降不同 index電图 if (k (pivot Index - fivre+1) maxArray (an Airay) is the maximum of return KSmall (Krandryay first, pivatIndex-1) maxArray (left half of anArray) and else if ( k == pivot Index - first +1) maxArray (right half of anArray) return P else // k > pivot Index = fivet + | return KSmall (K-1 privationdex - first+1), Andrray, pivot Index + (, last) My Opinions Faith, Hope and Love | Faith lays the foundation Hope brings sunshine,

陽光達人信望曼 信實可靠打造基礎

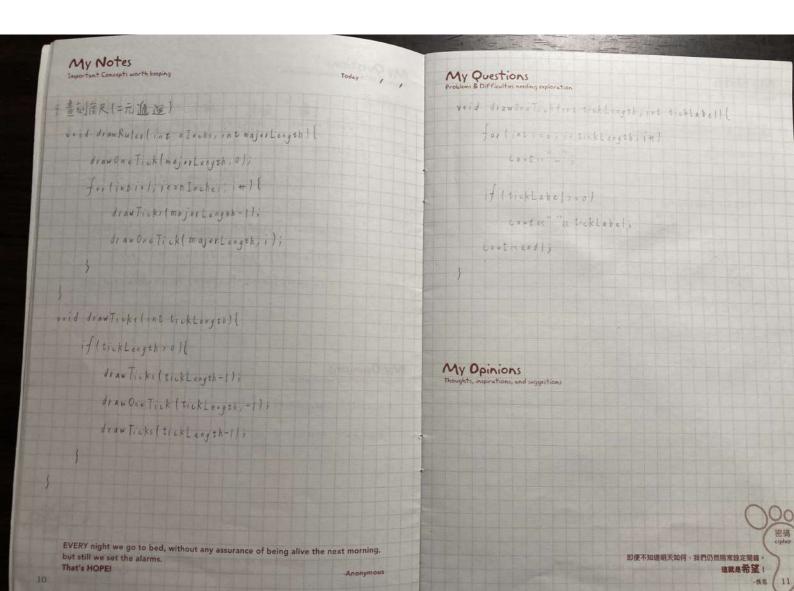
與觀希望 散發正能量, 真心關愛可以改變一切。

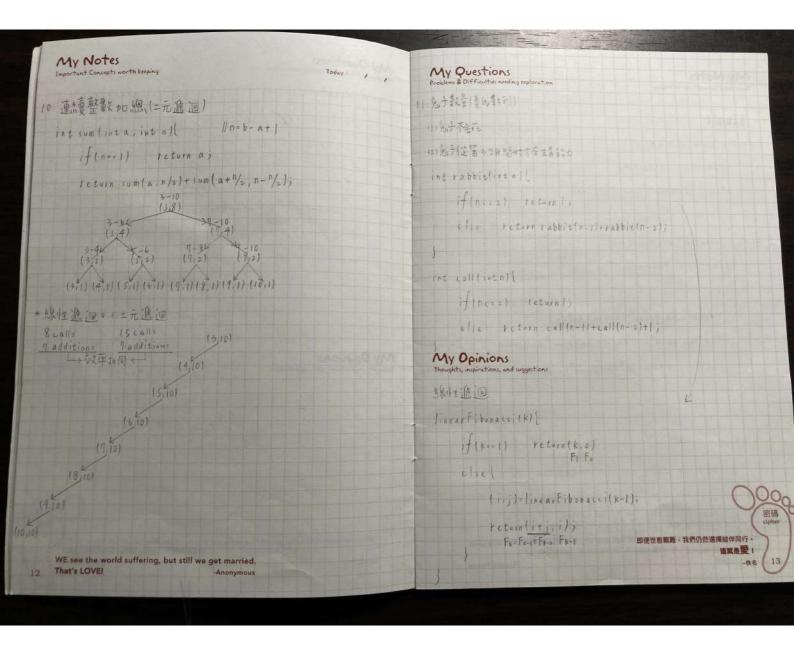
My Notes My Questions 7. 反轉陣列 《河南塔 solve Tower ( council towers, destination, spare) ReverseArray (anArray, low, high) if (lowehigh) if ( court 1 = 1) Swap an Array[low] and an Array[high] Hora a disk directly from source to destination ReverseArray (anArray, low+ 1, high-1) solveTovers (count-1, source, spare, destination) Solve Towerell, source, destination, space) solveTowers (count-1, spare, destination, source) My Opinions \* moves(n)= 2 moves(n)+1= 2 -1 Base case : moves(1)=1 ONCE, all the villagers decided to pray for rain. On the day of prayer all the people gathered, but only one boy came with an umbrella.

That's FAITH!

村人聚集祈雨,獨有一個孩子帶著雨傘前來。

**遠就是信心** 1





My Notes
Important Concepts worth keeping

Today:

为最大公田量数

活1: gcd(x,y)= x if y=0

gcd(x,y)mod x) if y > x

gcd(y, x mod y) otherwise

活2: gcd(x,y)= y if x mod y=0 => 少D平均-2

ged(x,y)=(y, x mod y) otherwise => 中中果 x < y, 執行時会

使雨爱交换, 多中子叫一次

總統語: 中中果 x = y : 法 2 東京存效率

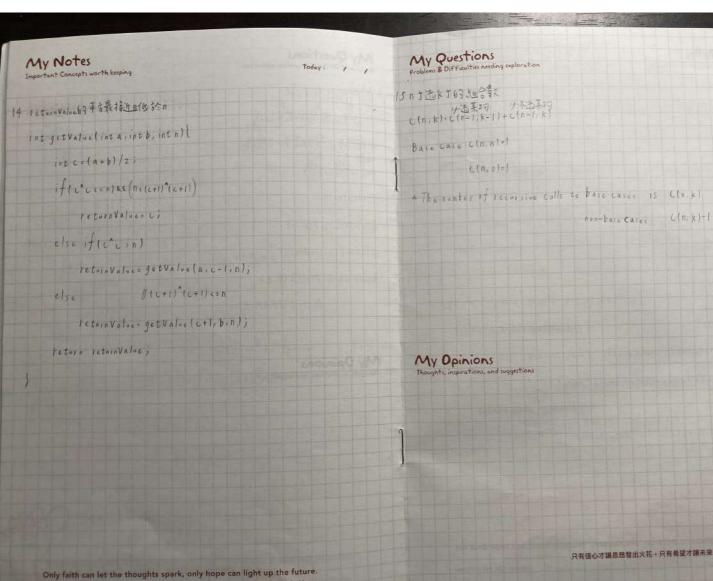
中中果 x < y, 雨者 较率相同

We are convinced that love is the principal guiding force in education. We, teachers and students alike, pursue mutual growth through instruction by both words and deeds, in a spirit of love and respect for one another.

(CYCU Education Philosophy)

My Questions 4 二元相要(日相序) int binary seasch (into annivay D) intfirst, intlast, int value) ( intindexi if (first = last) { Index = 1; 1/16 x 4/2 elsel int mid=(first+last)/2 if (value == an Array [mid]) { index=mid; My Opinions else if (value an Array [mid]) { index = binary search( in , in , mid-1 , in) { 左半ip // value = antrray[mid] else( index = binary search ( " , mid + 1 , " , Feturn infex) 我們確信《愛』是教育的主導力量·顧以身教育教的方式。互愛互敬的態度。師生共同追求成長。

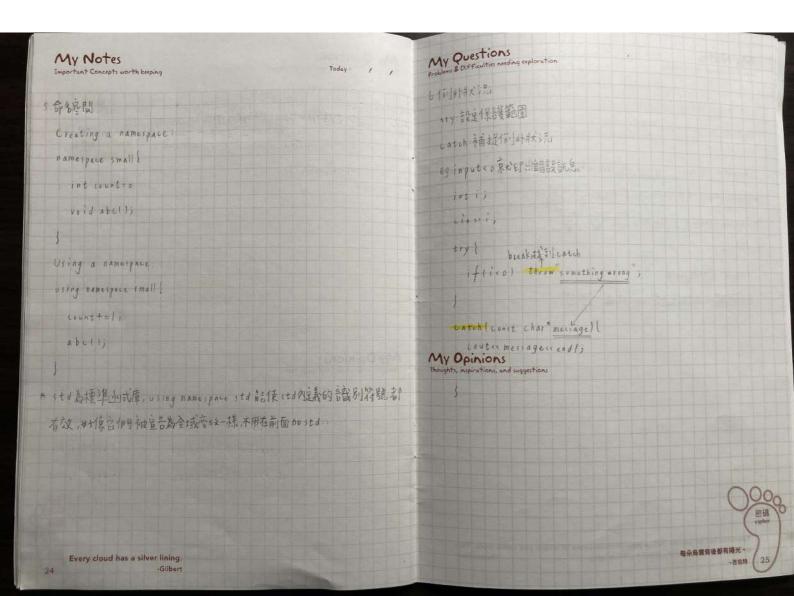
-《中丽大學教育理念》

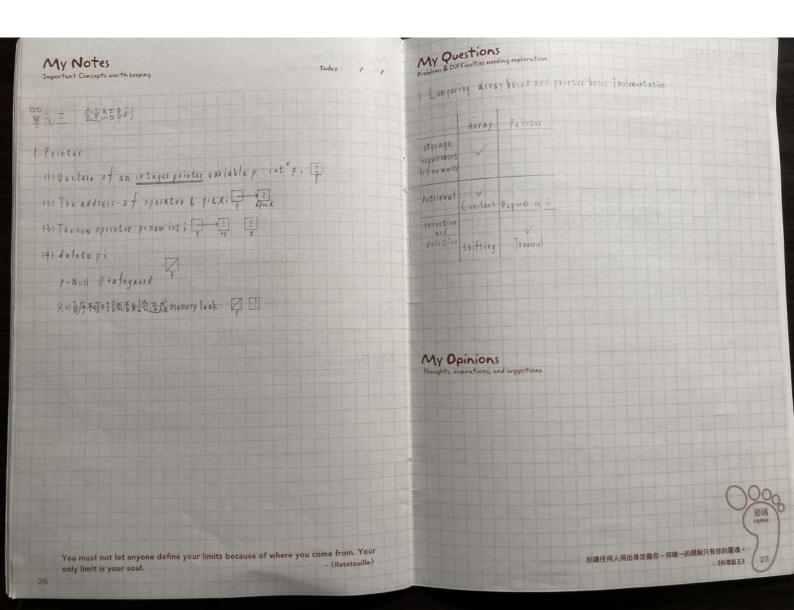


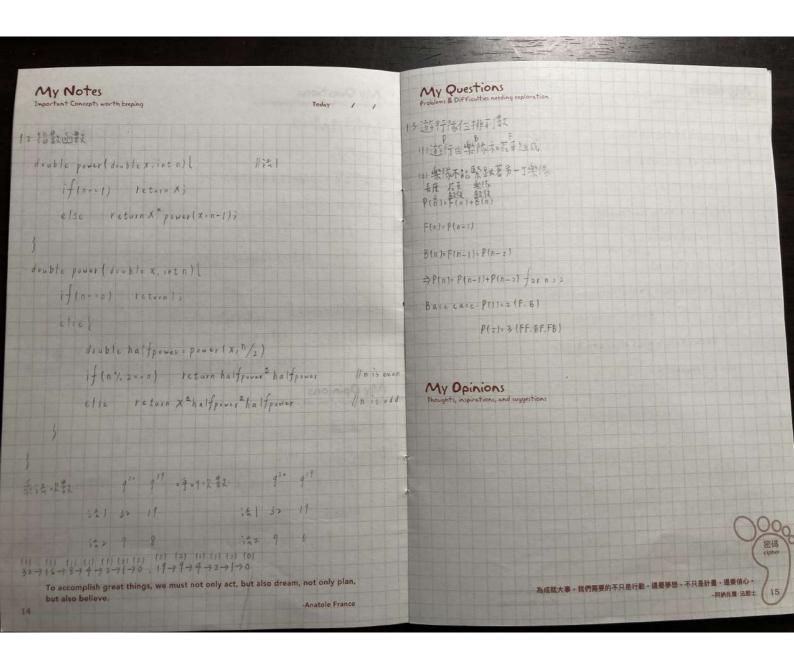
My Questions My Notes (2) The implementation of a classic methods are placed in an implementative 抽象化 file 29 1 sphere of the (1) Each class definition is placed in a header file. # include Sphere h Sphere Sphere! 1 1 to file Sphere. hal the Radius = 1.0 class Sphere Sphere: Sphere (double initial Radius) ( public the Radius = initial Radius; Spherelderble newkadius); // Controller My Opinions methods (return type + method name + const) double the Radius; Il data members Suffering produces character, and character produces hope, and hope does not 苦難遊就品格。品格虧繼希望,而希望不會讓我們失當。 -Jeremy Lin, NBA Player

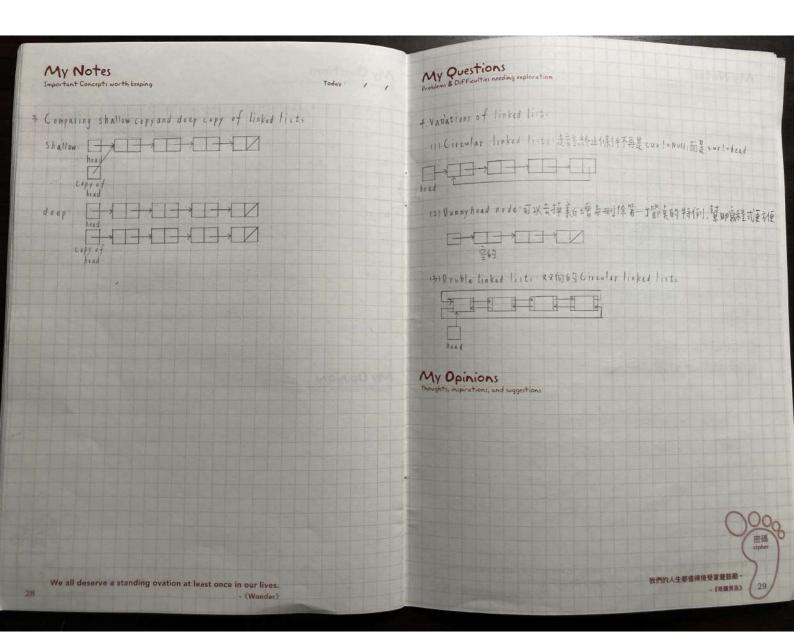
My Questions My Notes overload多載·在一丁奏頁到中,正義管丁音稱相同仁學數不同的方法 2 marine-A derived class or subclass inherits any of the publicly defined class cheft methods or data members of a base case or superclas void cook( 11 /2-10-41) 牛排 300k(A) # include sphere h void cookichar meal) 1/美一个分生排或品排 1fimen = 1 A ) + 34 = cook(meal, 1); if(mea) = '8') 33# public methods void cook (char meal, int quantity) ( //复分分半排或引者排 private My Opinions Colorti 1 + (meal = 'A') + 23/ \* Colored Sphere 無言直接使用 Sphere 69 the Radius solution 书子private 改成 protected 1 f ( mea) = 1 8 ) 3 8 # publiciany class instances protected subclass instances took (meal, quantity-1), private only class instances

My Questions Problems & Difficulties needing expla My Notes
Important Concepts worth Leeping usid test. House (House moure) 4 Overvide 覆寫 子類別可以覆寫公類別的方法內容,使該方法打留不同於公 if (menogoctypes= Pikachu) maure pikachucaller, 類別的行為 else if (mouse get Type Hamotajo) mouse hamotaseallis = mouse cally, Elaci Mousel void calle ) { else mouse calls); zizichacha clarifikachu: Mouse ( void pikachucalli 1 { - + call( ) pikapika My Opinions elace Hamutaro Mouse ( wild hamistarocally ) = called 耐心是通往理解必經的路,也是擁有快樂的關鍵









My Notes

Today

h

单元四 以遊迴解題

1. Symbols used to grammers X y means X or y , Xy means X followed by y

(3) Anon elegal-weed) = empty string | Allegal word > 8

18 Fat (x: didetified) (pertfix) (pertfix) (operator)

\*前序式&独序式v.s. 中序式 無柱號,無优先順序 有柱號,有优先順序 My Questions

2 Backtracking

ellElght-Queexi Problem在2,76年换盤上软置8年的后,任而19后都不能离验同一个系統行,新能行、斜線上

4 alution AP一丁皇后即作义一次tecnysion,最答案時則返回,直到八丁皇后皆在 接盤上正確的位置

tz) A search Problem 作选起发走往袁不重覆的路径到然炎

4.0lution 到一丁不量种更的中美即行文一,只Tecurisian,無答案時則返回,直到走到

My Opinions

Thoughts, inspirations, and suggestions

To see the world, things dangerous to come to, to see behind walls, to draw closer, to find each other and to feel. That is the purpose of life.

(The Secret Life of Walter Mitty)

開拓視野,突破滅難,看見世界,貼近彼此。成受生活,這就是生活的目的。 ——《白日》音樂子》

语的目的 -

## My Footprints

小山山

單元一在大一個計算本的視點論時,我很不会寫recursion,背影用while京於一定用 while,现在才發現原來有些題目要用 recursion 比重交好寫。

單元二:在大一下下半岁期劳智Java时,我对於物件事向一天中解,民无不分解為什麽. 不把程式都具在main裡就好,也只会把各种们参价部部的存取範圍者肾扁成 public, 我现在不但理解其中的意義,也学到《髓水、多截、覆原等非常爱用的方法。 單元三、我覺得这丁單元是我最熟悉的,因為以前我們京於有寫过很多相关的

是自,只是因為当時沒有等过Dummy head node的技巧,所以程式展 起來十分教後,现在首到这些新技巧,相信如果再遇到一樣的問 題、程式一定能精髓不少。

單元四:我以前在看程式相关的毒籍時,就有讀过定義語言的部分,所以对於 前序、中序、俊序的表示法的表示与重云换有一定的3解。另外,我瞪得八 皇后問題十分有趣,但同時也十分具有排战水生,希望上後我能多句 成功石皮解。

腳蹤密碼

3/三聲無奈

4/似有隱情,等待深入關懷

5/無心學習,多麼可惜。

6/看來保留很多,加油!!!

7/期待你更多投入,加油!!

8/巴望你暢所欲言,加油!

9/印象深刻久久

10 / 十分感動!

10+/可圈可點!!!