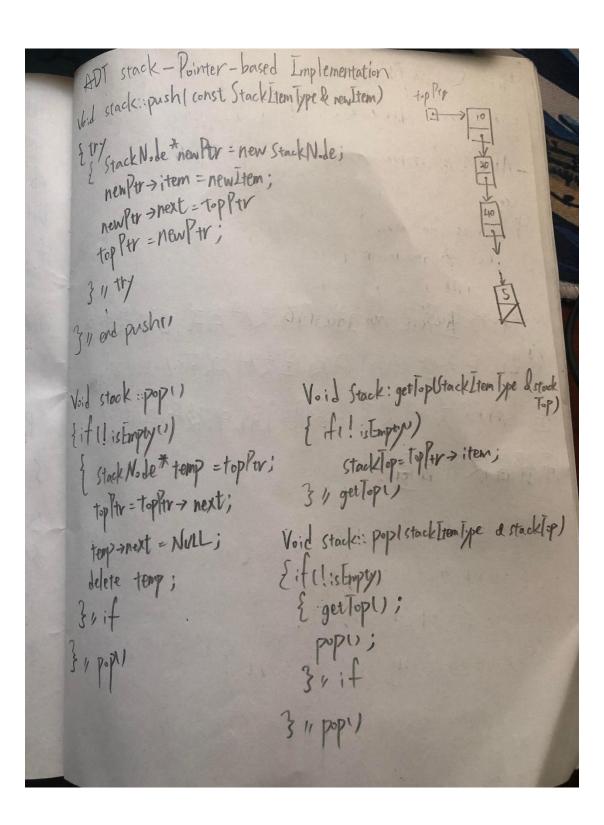
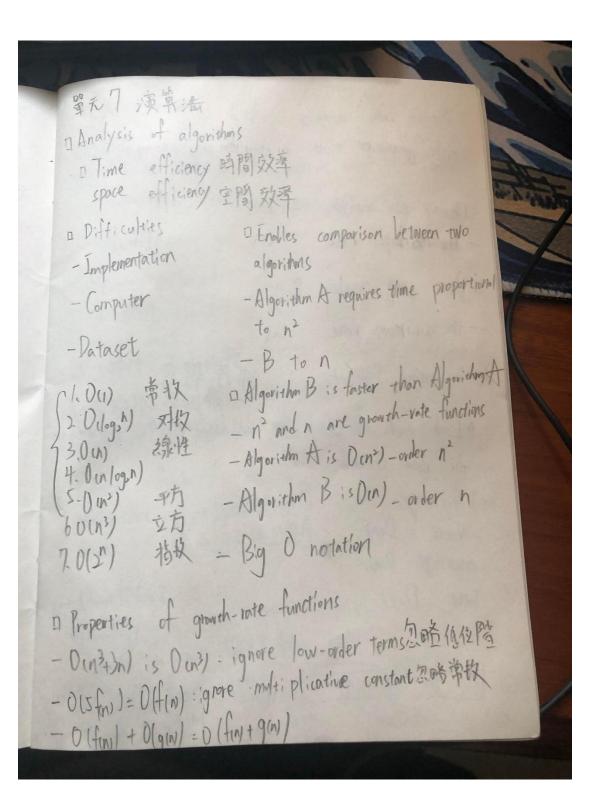
單元5 堆臀 type about dodett toff 新塔的除一章資料 while (not end of line) {Read a new character ch if (ch is not 't') Add ch to the ADT else if (the APT is not empty) Remove the last item from the ADT else Ignore 1 3 1 while 12 Operation Contract for the ADT stack is Empty 1) booleam 是态空 push I in new Item: Stack Item Type)新增学 Pop 1) throw Stack Exception 移除最近一算 get Top (out stack Top: stack Item Type) 核取级工事 poplout stackTop: StackItanType) 摄取後移降最近-军

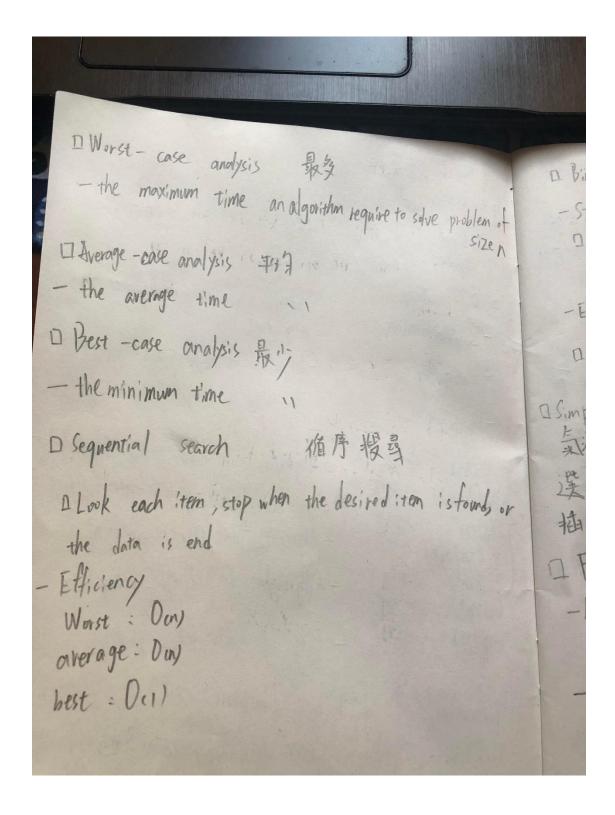


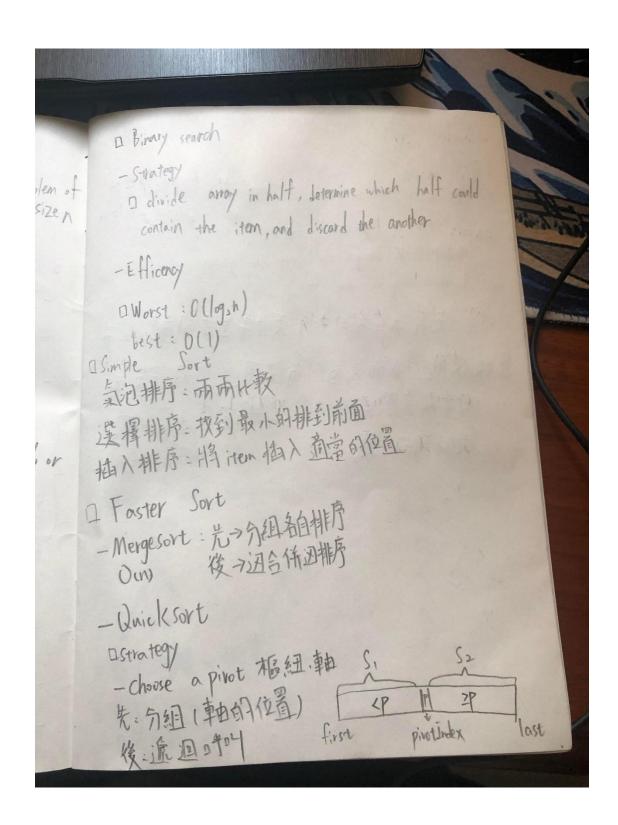
- Pointer-based implementation is more efficient DAPT -ADT list approach reuses an already implemented class is Empt enqueue a Muck simpler to write dequeut a Saves programming time get Fro 八得·堆魯算是满直接到存资料方式,也就是先進 Lequeu 後出,在某些特別的處理資料就可以利用堆 環狀 鲁来存放资料,大其是鲁用到前,中,依序的、鼠,通 Void & Bul 常都會使用堆骨。 new els

單元 6 Queue 佇列三排隊 DAPT queue operations 是否為空 is Empty () lass enqueve (in new Item: Queve Item Type) 新增 dequeue () 粉茶 get Front out queueFront: QueueItem Type) 横取 Jequeuel out queue Front: Queue Item Type) 模取後夥除 環狀行列:新增 Void Queue :: enqueue (const Queue I tem Sped nem I tem) { Buene Node *new Ptr = new Queue Node; newPtr -> item = new Item; if (is Empty 1) newPr > next = newPtr; { newPtr > next = bockPtr > next; backlir = next = new Par; } backPtr = newPtr;

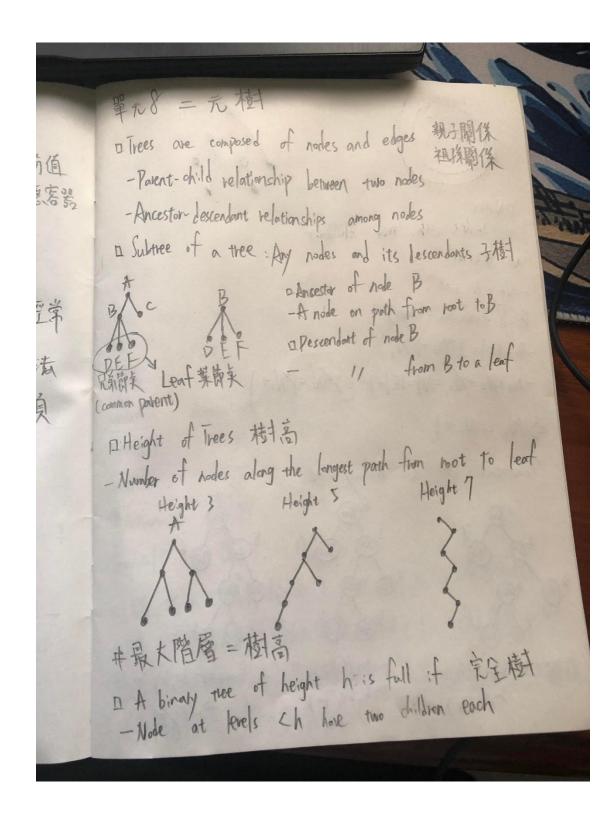
```
環狀佇列: 物除
  Voil Queue: dequeuer throw (Queue Exception)
  { if (is Emptyo)
       throw ... ;
  { Quenellale * templer = backPer>next;
    if ( backPtr == backPtr > next)
       backPtr=NVLL;
   olse backPtr=next=temp=next;
   tempfir>next=NULL;
   delete templty;
 311 else
3" degreence)
心得一致覺得行到跟堆置有美相似,所以在
      剧 堂時並不曾有太困難的地方,只是馬達
     注意行列的執行的方式與准費相反,行列
     是先旗先出、主革逐是判断條件的部分素
     豊小心。
```

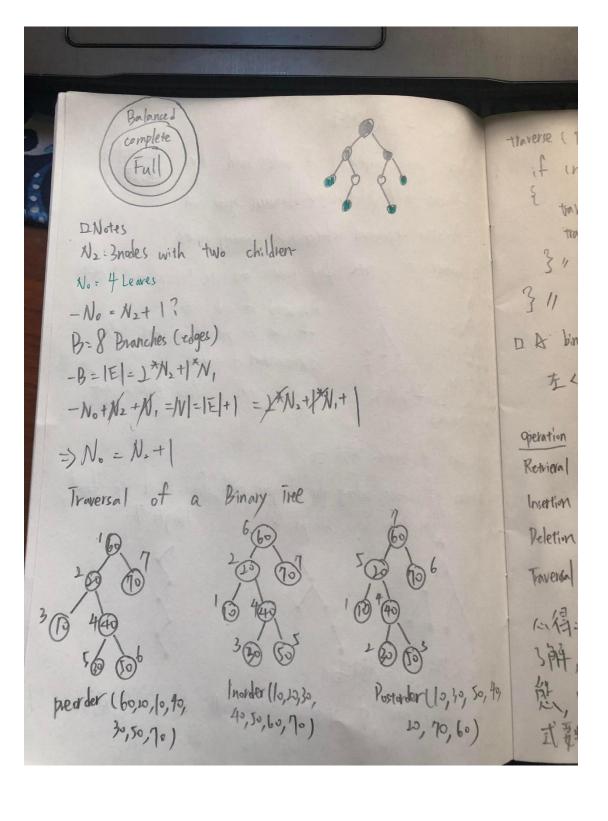






A Radix Sort D Strategy - Decompose the sort key by the radix 分解取部分值 Treats a key as a chapacter string 分配至其愿客號 Repeatedly assign the keys into groups (buckets)
according to the ith character 八得:演算法在程式中扮演非常重要的触,经常 會被使用,对我而言,看到有使用途回的演奏法 经常需要思考一天才能理解, 寝籍法是一項 很好用的工具。





traverse (Biray Tree) { if inot empty) toverse (Left subtree) 一前序 movese (Right subtree) 一按序 3 / if D & binary search tree 左人火人在 Average case Wast case gieration Orloga) Orn) Retrieval Och) Ollogh) Insertion Olloga) Our) Peletion Our) Our Taverda 心得一在大一時有接觸过一元樹,當時,落時,落時,發起到 3种,但现在又再次接觸後,更加3种到二元村有其他型 然,以及和针到印顺序,我認為這其中困難的是,在寫在 式對抗焰意不能丢失久節矣。