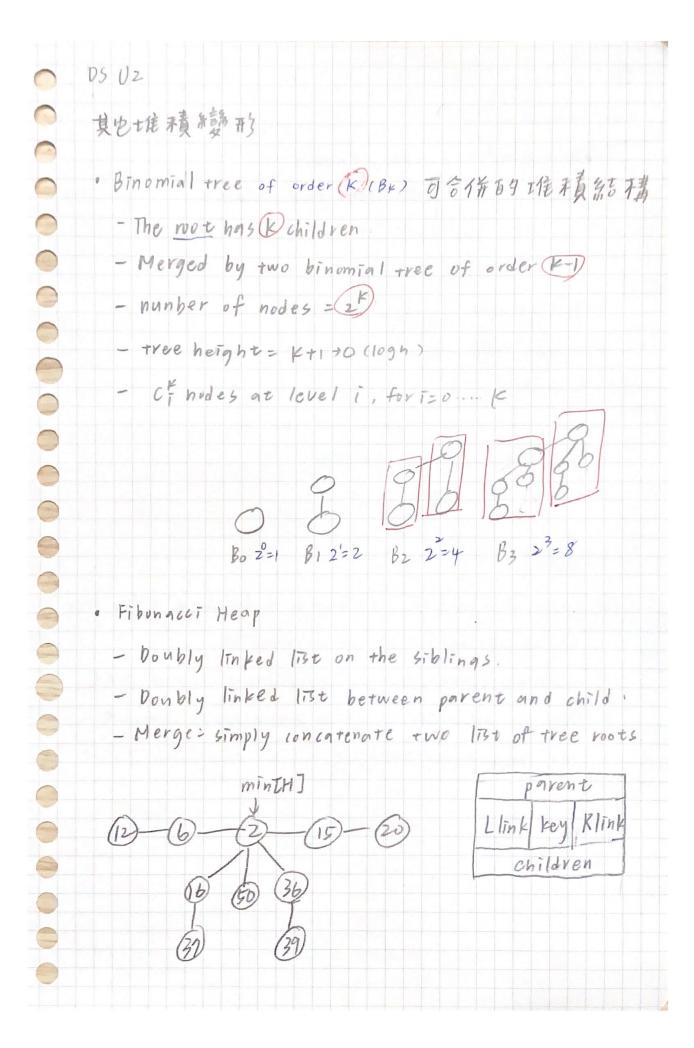
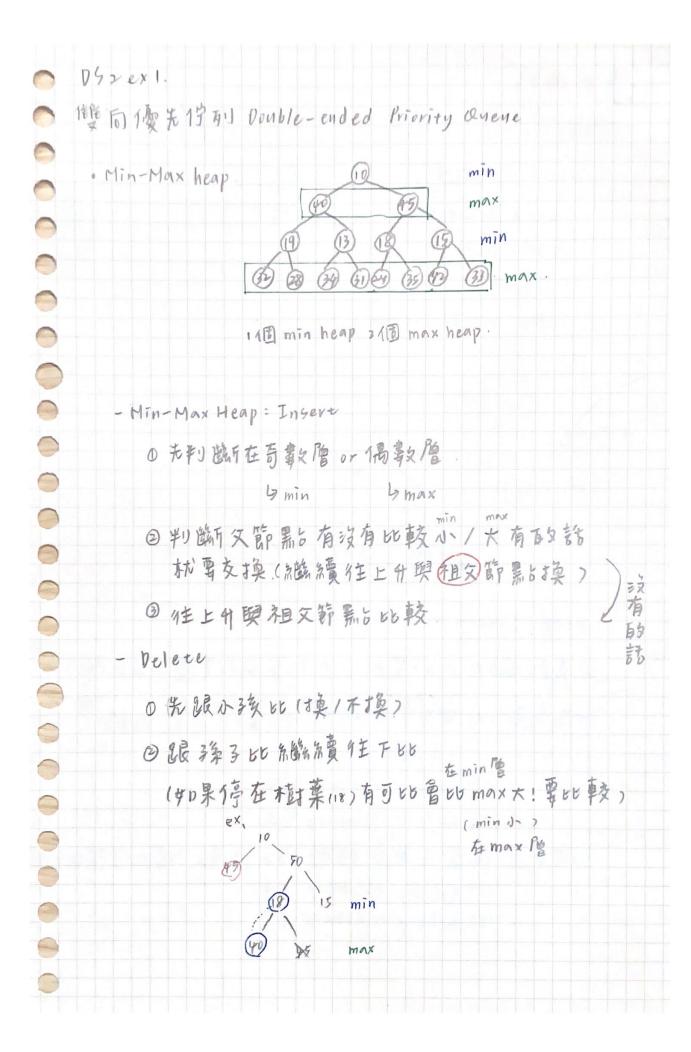
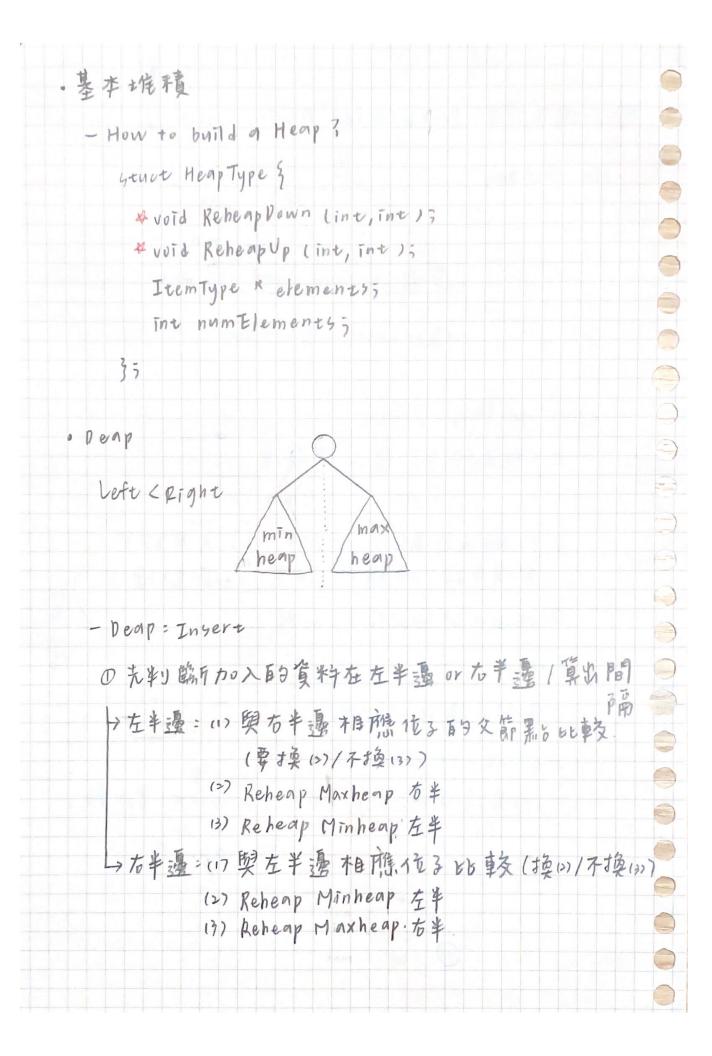
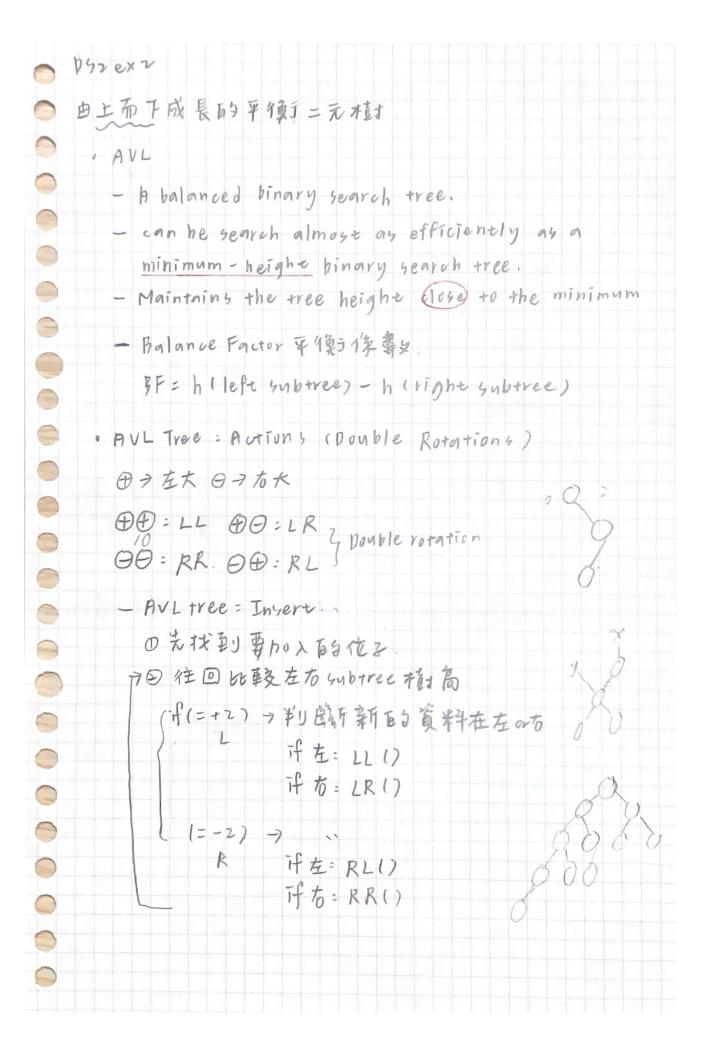
Basic of Priority Queue  Sorting Algorithm  Workt case Selection sort  No Nort Case Selection sort  No Nort Case No N	DS單元1					
Workt case   Average case   Selection sort   n	Basic of Priority	Queue				
Selection sort  Bubble sert  Insertion sort  Mergesort  Autiksort  Radix sort  N  (P1, 5, >3:55), (P2, 5, 00:05) (P3, 3, 00:10) (P4, 4, 00:3)  VegInsert(): O(1)  Selection Sort: Unsorted light  VegInsert(): O(n)  (P3, 2, 00:10) (P4, 4, 00:30) (P1, 5, 23:55) (P2, 5, 00:10)  (P1, 5, 13:55) (P2, 5, 00:05), (P3, 3, 00:10) (P4, 4, 00:3)  VegInsert(): O(n)  [InsertionSort: Sorted light]  VegDelett(): O(n)	· Sorting Algorith	ווייייייייייייייייייייייייייייייייייייי				
Selection sort  Bubble sert  Insertion sort  Mergesort  Autiksort  Radix sort  N  (P1, 5, >3:55), (P2, 5, 00:05) (P3, 3, 00:10) (P4, 4, 00:3)  VegInsert(): O(1)  Selection Sort: Unsorted light  VegInsert(): O(n)  (P3, 2, 00:10) (P4, 4, 00:30) (P1, 5, 23:55) (P2, 5, 00:10)  (P1, 5, 23:55) (P2, 5, 00:05), (P3, 3, 00:10) (P4, 4, 00:3)  VegInsert(): O(n)  [InsertionSort: Sorted light]  VegDelett(): O(n)						
Bubble sort  Insertion sort  Insertion sort  Mergesort  Autoksort  Radix sort  N  (P1, 51 > 3=55), (P2, 5, 00: 05) (P3, 3, 00: 10) (P4, 4, 00: 3)  Palners 0: 0(1)  [selection sort Unsorted like]  Papellet (): 0(n)  (P3, 2, 00: 10) (P4, 4, 00: 30) (P1, 5, 23: 55) (P2, 5, 00: 3)  Paginsert (): 0(n)  [Insertion sort: Sorted list]  Paginsert (): 0(n)  [Insertion sort: Sorted list]  Paginsert (): 0(n)	/ 1	Wo		Ave		
Insertion fort  Mergesort  nlogn  nlogn  nlogn  Radix sort  n  (P1, 5, 23:55), (P2, 5, 00: 05) (P3, 3, 00: 10) (P4, 4, 00: 3)  Felection Sort: Unsorted light  V pq Pelet (): 0(n)  (P1, 5, 23:55) (P2, 5, 00: 05), (P3, 3, 00: 10) (P4, 4, 00: 3)  V pq Insert(): 0(n)  [InsertionSort: Sorted list]  V pq Peletc (): 0(n)	Selection Sort		h2		n²	
Mergesort $n = n \log n$ $n \log n$ Quickfort $n^2$ $n = n \log n$ Radix sort $n$ $(P1, 5, 23.55), (P2, 5, 00.05)(P3, 3, 00.10)(P4, 4, 00.3)$ $Pq = 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1$	Bubble sert		h²		n	
Quickfort    N	Insertion sort		n²		n	
Quickfort  Radix sort  N  (P1, 5, 23:55), (P2, 5, 00: 05) (P3, 3, 00: 10) (P4, 4, 00: 3)  Pagansert (): O(1)  Selection Sort: Unsorted light  Page Pelet (): O(n)  (P3, 2, 00: 10) (P4, 4, 00: 30) (P1, 5, 23: 35) (P2, 5, 00: 3)  (P1, 5, 23:55) (P2, 5, 00: 05), (P3, 3, 00: 10) (P4, 4, 00: 3)  V Pagansert (): O(n)  [InsertionSort: Sorted list]  J Pagelete (): O(1)	Mergesort		nlogn		nlogn	
(P1, 5, 23=55), (P2, 5, 00:05) (P3, 3, 00:10) (P4, 4, 00:3)  V PQINERTO: O(1)  [Selection Sort = Unsorted like]  V PQV(let ():0(n))  (P3, 2,00:10) (P4, 4, 00:30) (P1, 5, 23:55) (P2, 5, 00:4)  (P1, 5, 23:55) (P2, 5,00:05), (P3, 3, 00:10) (P4, 4, 00:3)  V PQInsert():0(n)  [InsertionSort: Sorted list]  V PQDelete():0(1)	Quicksort		n <sup>2</sup>		nlogn	
(P1, 5, 23:55), (P2, 5,00:05)(P3, 3,00:10)(P4, 4,00:3)  Velection Sort: Unsorted like  Velet():0(n)  (P3, 3,00:10)(P4, 4,00:30)(P1, 5, 23:55)(P2, 5,00:  (P1, 5, 23:55)(P2, 5,00:05), (P3, 3,00:10)(P4, 4,00:3)  VegInsert():0(n)  [InsertionSort: Sorted list]  VegDelete():0(1)	Radix sort		n			
PQInsert(): O(1)   Selection Sort = Unsorted light     PQP(let (): O(n)     (P3, 3,00:10) (P4, 4,00:30) (P1, 5,23:55) (P2, 5,00:   (P1, 5, 23:55) (P2, 5,00:05), (P3,3,00:10) (P4, 4,00:3)     PQInsert(): O(n)     Insertion Sort: Sorted list     Lyg Delete (): O(1)						
PQInsert(): O(1)   Selection Sort = Unsorted light     PQP(let (): O(n)     (P3, 3,00:10) (P4, 4,00:30) (P1, 5,23:55) (P2, 5,00:   (P1, 5, 23:55) (P2, 5,00:05), (P3,3,00:10) (P4, 4,00:3)     PQInsert(): O(n)     Insertion Sort: Sorted list     Lyg Delete (): O(1)	(P1 5, 22=55) (	P3 5	20.05	/ // 2 2 - 0.		20. 7
Selection Sort = Unsorted light   Papelet (): O(n)   Papelet (): O(n	111/1/25/27/	14,7,0				,00-5
$\begin{array}{c} & & & & & & & & & & & & & & & & & & &$						
(P3, 3, 00:10) $(P4, 4, 00:30)$ $(P1, 5, 23:55)$ $(P2, 5, 00:00)$ $(P1, 5, 23:55)$ $(P2, 5, 00:05)$ $(P3, 3, 00:10)$ $(P4, 4, 00:3)$ $V$ $P8$ Insert(): $O(n)$ $V$		Select,	on Sort	= Unsorte	ed life	
(P1,5,13:55) (P2,5,00:05), (P3,3,00:10) (P4,4,00:3)  \$\frac{1}{2} \partial \text{Pq Inserte} \cdots \text{O(n)} \\  \text{InsertionSore: Sorted list}  \$\frac{1}{2} \partial \text{Pq Delete():0(1)}			V pa	pelety.	0(n)	
InsertionSore: Sorted 1321  L pg Delete () = 0(1)	(193, 3,00:10) (194	14,00:	30) (P	1,5,23:	55) (P2, 5	-,00-
InsertionSore: Sorted 1321  L pg Delete () = 0(1)					/ D//	2 2 2
InsertionSore: Sorted 1321  L pg Delete():0(1)	(P1,5,23:55) (P2,	5,00>1				, 00-3
2 pg Delete () = O(1)			V Pg.	Insert()	: 0(n)	
		Inser.	tion Sore	: Sorted	132	
(P3,3,00:10) (P4,4,00:30) (P1.5,23:55) (P2,5,00=			1 pgi	relete()=	0(1)	
	(P3, 3,00=10) (P4,	4,00:3	0) (P1.	5,23,5	5) ( P2, 5	,00=1









由下而上成長的平便了二元村 · 2-3 tree 一完整档 - 2-3 tree : Insert ● 先找到 要新增百分位子 芳未滿210 >直接加進气业排序. 海3 → 就要判断了名稱的大小、把中的 百分往上提户新增一個temp存放 @ 之後往回判 斷有沒有資料要新增到前面 temp!= NULL 百分節點と 如果滿之個內熱帶把先前等新增的變 這次要新增的接起來,再 往回的。 沒滿力就把要加的 temp 植根捏起資料 力の遊去 > middle > temp>左 把 right + temp+方 集 等种接起來!