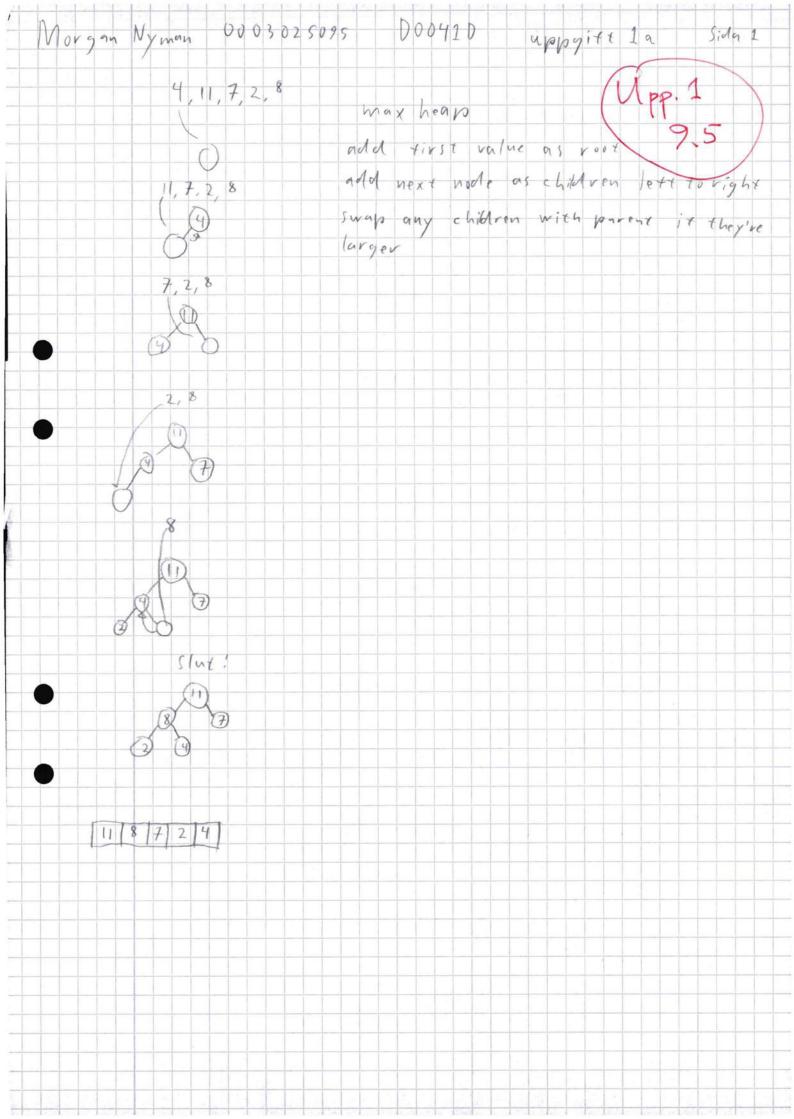
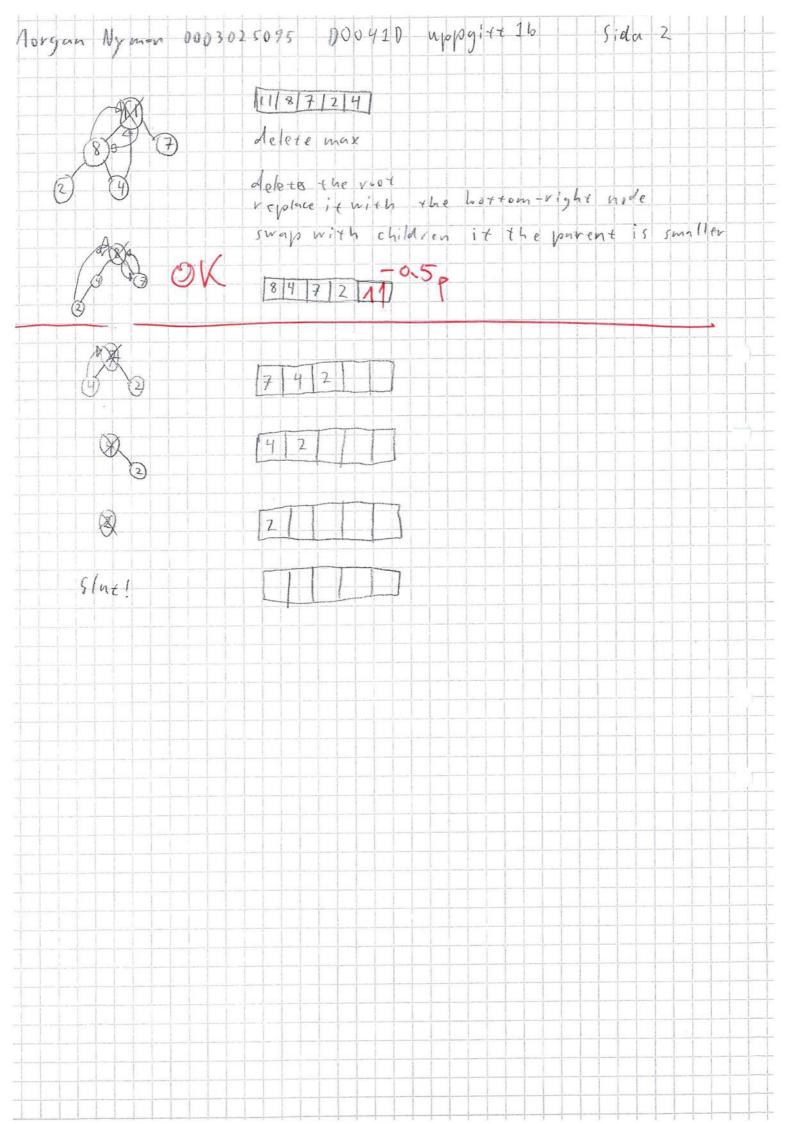


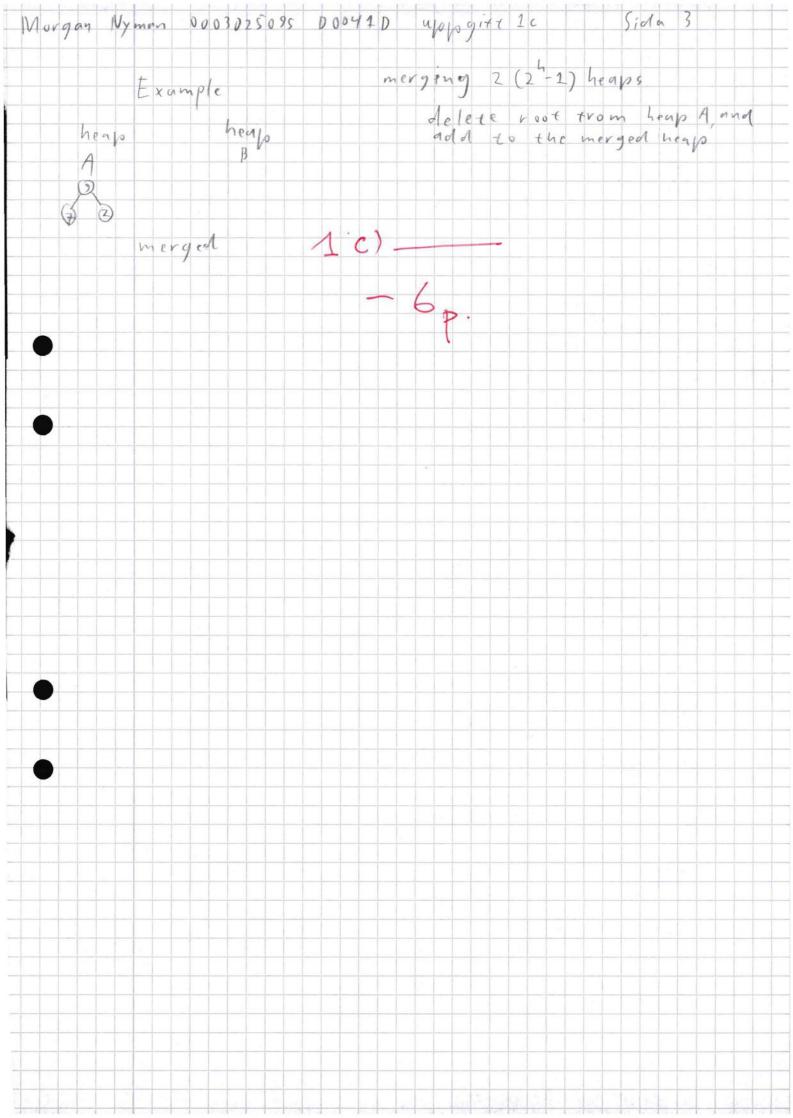


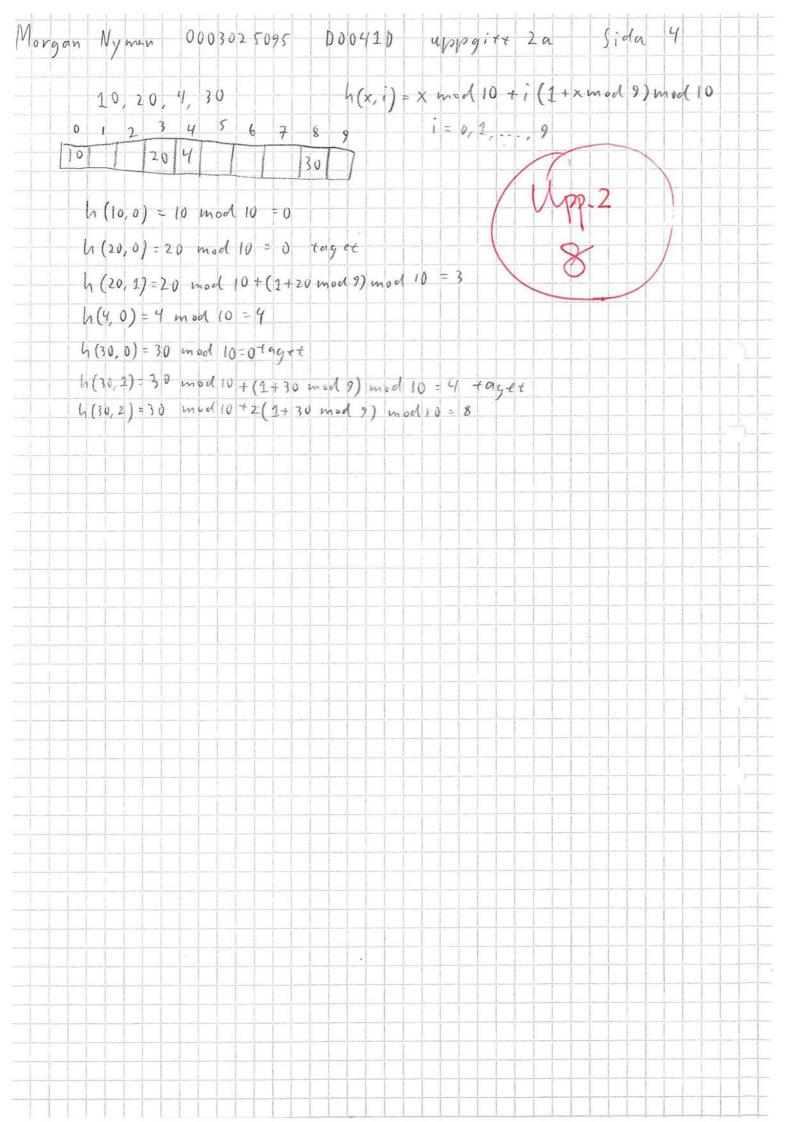
KURSKOD / COURSE CODE D 0 0 4 1 D KURSBENÄMNING / COURSE NAME Datastrukturer och algoritmer PROVBENÄMNING / TEST NAME Tentamen TENTAMENSDATUM / EXAMINATION DATE 2 0 2 0 - 0 3 - 2 7 TENTAMENSORT/CITY (för distansstudenter / for off campus students only)				AAAAMMDD-XXXX YYYYMMDD-XXXX PERSONNUMMER / PERSONAL NUMBER 2 0 0 0 0 3 0 2 - 5 0 9 5 NAMN (TEXTA) / FULL NAME Morgan Nyman NAMNTECKNING / YOUR SIGNATURE PROGRAM INSKR.ÅR/YEAR ANTAL SIDOR / NO. OF PAGES
Behandlat uppgift nr (sätt x) /				
Mark the questions you answered with an X Lärarens anteckningar / Teacher's			Lärarens anteckningar / Teache	r's notes
1	X	9,5		
2	X	8		
3	X	3		
4	X	6		
5	X	3		
6	X	Ø		
7	X	Ø		
8	X	Ø		
9		0		
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		Poängsumma Points	29 5 Betyg Grade	

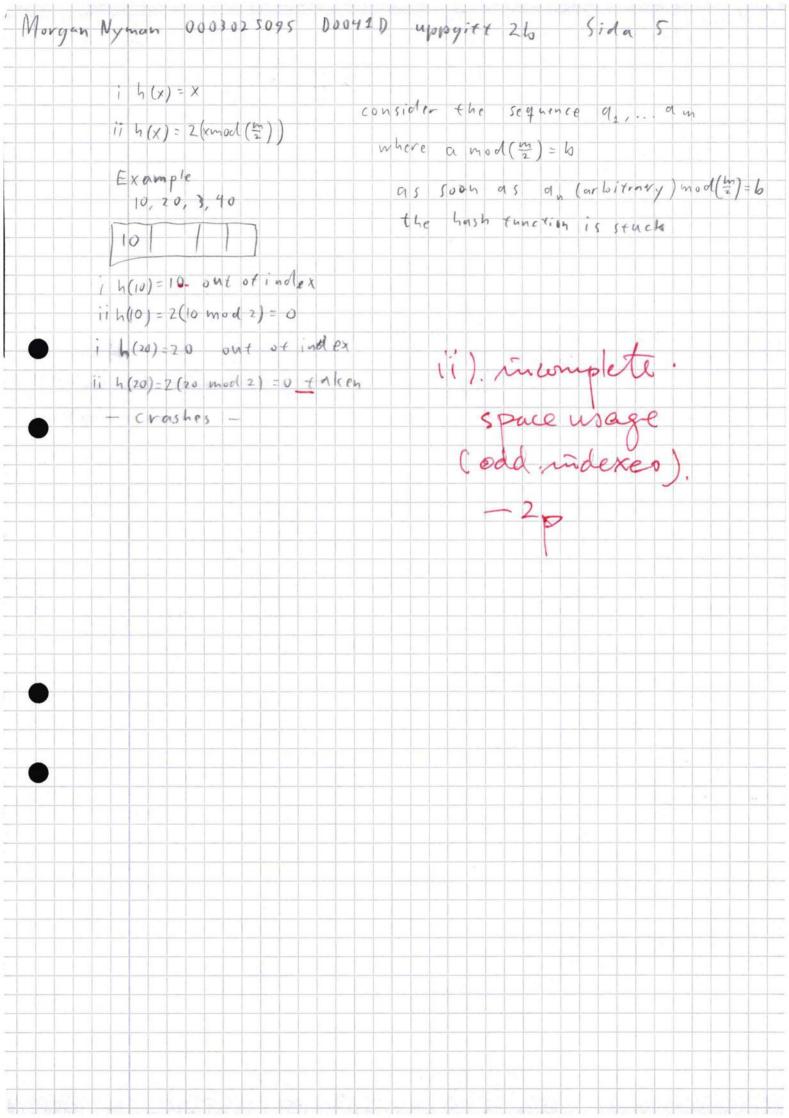


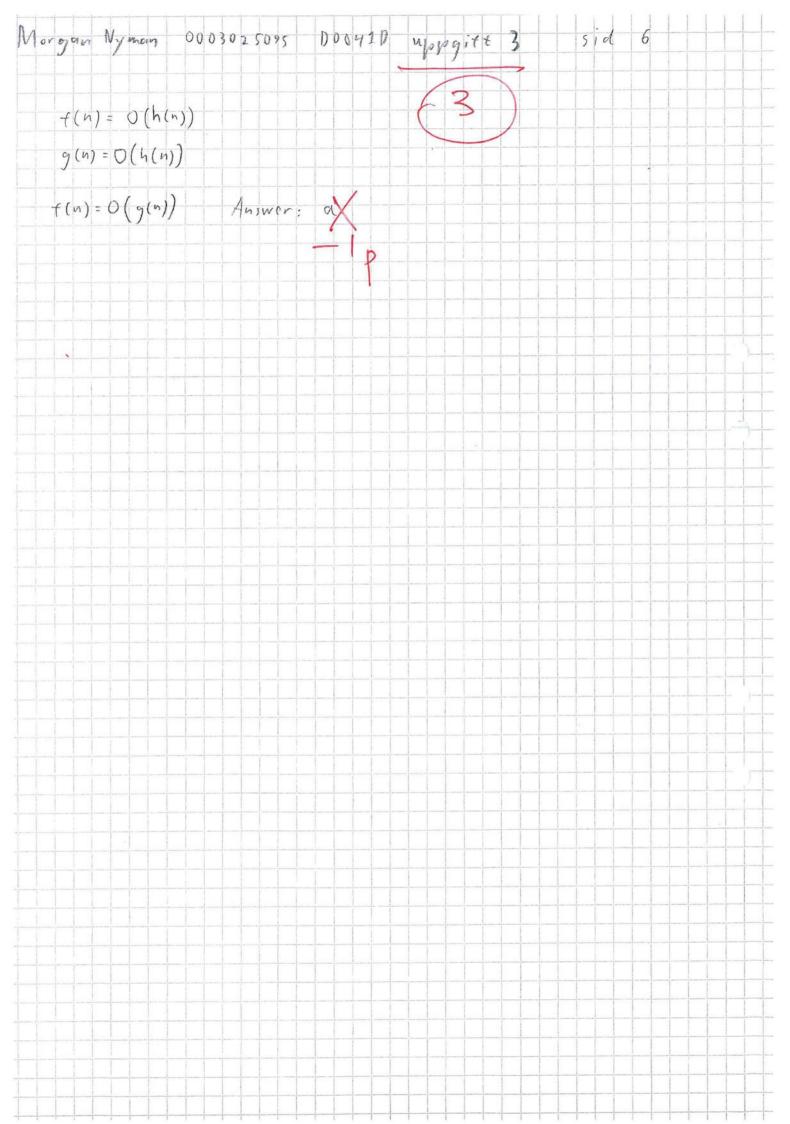




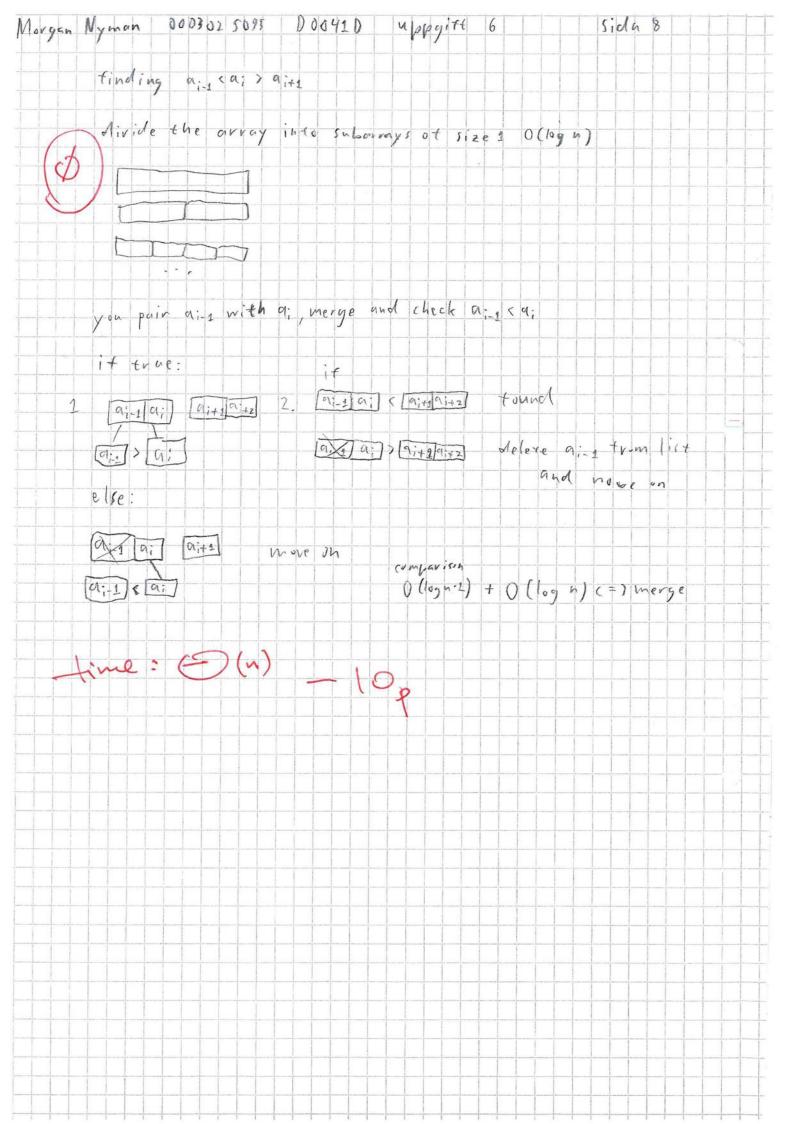








Morgan Nyman 0003025095 D0041D wapgite Sn sida 7 k sorted list with a total elements to merge mergesort would sort in O(nlogk) because it takes linear time two smaller list and that has to be done about log to times, and there is no need for further division since the smaller lists comes sorted. merging O(n) times k 1 [a, a, a, ... A [a] 12) A/2 means? 2 61 02 63 ... More details are (divide and conquer).



Morgan Nyman 0003025095 000410 WP109174 7 Sida 9 0,1, n-1 pickthe tirsx element, set as root 1. add the next at the bottom most-right 2. (if the added node appears to the I right: make sure it's larger than parent lett: make sure it's smaller than parent Otherwise swap with parent Velpont until rot which no most is the height of the tree operations which is less than in because it's always 12 1 nodes per height

