



0	problem 2: sort [3, 4, 3, 9, 12, 2, 4]
T LE A	phase I: Heapirication
	1) 114391224
1 4	2) 54139 12 24 supresep 41139 1224
	3) 413 9 12 24
	4) 4 1 3 9 12 2 4 - upheap x 2 9431 12 24
north mil	5) 9 4 3 1 12 1 2 4 -> upheap x 2 12 9 3 1 4 1 2 4
	6) 12 9 3 142 4 -> Noupheap
	7) 12 9 3 14 2 4 Jupheop 12 9 4 14 2 3
-	phase II : remove max
TO BUILDING	12
	T9 41423 > 3 9 4 1 4 21_
	down heap downheap
	9341421_ downheap 9 44132112
	9
	☐ 4 4 3 3 2 1 10 → 2 4 4 1 3 _ 1 12
	42413-112 downheap 434121912
	4 🗇 2 44 4 2 15 42 2 2 2 3 3 4 4 2 15 4 2 2 2 3 2 3 4 4 2 15 4 2 2 2 2 3 2 3 4 4 2 15 4 2 2 2 2 3 2 3 2 3 4 4 2 15 4 2 2 2 2 3 2 3 2 3 4 2 2 15 4 2 2 2 2 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2
	4 □ 3 4 1 2 19 12 → 2 3 4 1 19 12 downheep
	4321 - 1912 -> 4321 4912
111	4
	1 3 2 1 49 2 - 1 3 2 - 4 9 2
	down heap
	312-14912-312 44912

12/44912 > 21-144912 211344912 2 2 344912 - 1 - 344912 1/2344912 2 3 4 4 9 12 - Noelement to swap with 123449 12 - sorted CRAL STATE OF THE BURGOS St In THE SECTION TO S RI RESERVED LA COMPANIE DE LA COMP ISAL SOLE OF BUILDING









