

Insertion Sort 54,9,1,9\*,23 We start at position 1; make a comparison only to realise it's smaller than the domant at position (6) Messing we Reoptiversus.

94,9,1,9<sup>‡</sup>,2<sup>3</sup> No swap, while loop want be 94,9,1,9\*,23 No swap, while loop want be exempted. 91, 4, 9, 9\*, 2 3, Swap defeeded and idencent has been put in its position. 81, 2, 4, 9, 9\* 3, Swap occurred and now our list is corted without interchanging the duplicates ordering This sarting algorithm is therefore stable

## Problem2

	Pathon
	Merge soft on [7,6,5,4,3,2,1]
	[7,6,5,4   3,2,1 -> 1,2,3,4,5,6,7]
	[7,6 5,4 -> 4,5,6,7] [3 7 1-71,2,3]
1	+   9 / 9 / 1 / 1 / 1 / 1
C.6	1-77 [476] [5,75] [4-74] [2-72] [1-71]
17	
70	
di.	If debries that given briary tree on half affects
-	
- 84	

