國立彰化師範大學103學年度碩士班招生考試試題

系所:	資訊工程學系	選考甲	科目:資料結構
☆☆請在	答案紙上作答☆☆		共1頁,第1頁
1. Please write an algorithm to determine whether two binary trees, T_1 and T_2 , are identical. (20%)			
	and show the final min heap 47, 8, 76, 53, 22, 15. (10%)	tree if the following values are	added to the tree in sequence:
11, 15, 2	27, 22, 6, 19, 31, 37, 8, 25, nary search tree	en order, and show the correspondance (20%)	nding trees.
		of a binary tree. Let E and I den	o I? and why? (10%)
5. How ma	any different binary trees ar	re there with n nodes? and why?	(20%)
6. Please write an algorithm to invert a singly linked-list pointed by pointer p. (20%)			