## CS435DE - Lab 6

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Problem 1: Solution

1) Sol	Irab Ghinvive (6 lution!	The second of the second of the second
		ays to arrange 4 elements is
OW	of 24 sorted 1	possible sequences, the leaf of
the A	binary tree ca	en be in any one of 24 po. Structured as a binary tree as a compaisin in the abo
each	1 internal node	as a compaising in the al
men	moned binary t	ree. 3 2 = 2 3
5 - 1	So, h >	log 24 & 4.58 \sigma 5  Comparisions needed is 5.
Henr	ce, the minimum	Comparisions needed is 5.
+		
1		