MUS ESGNS NOWWOOD SESSIVENCE

GIVEN THE ARRAY PROPERTIES, THE PROBLEM OF FINDING
THE LCS CAN BE REDURD TO THE ONE OF FINDING
THE LONGEST INCREASING SUBSEQUENCE IN AN APPLAY
OF INDICES. HERE IS AN EXAMPLE:

increasing subsequence of index

Common subsequences of a and b

THEN, THE PROBLEM CAN BE SOLVED WITH A COMPLEXITY OF O(n logn) By USING THE BINARY SEARCH APPROACH TO FIND THE WONGEST INCURASING SUBSEQUENCE EXPLAINED IN CLASS (SEE Ex. 5 PS1)