Comparison of two integers Macro int compare (int x, int y)

if (x(y) return -1; #define COMPARE(XX) Function (((x) < ((y)) ? -1 : ((x) = = (y))?else if (2== y) return 0; else return 1; Since the left and right indices Keep moving, we will exentually find the element, or the indices will cross. After that, we have nothing to check. . The full program is on PC. Recursive implementation of binary search o int binsearch (int list [], int searchnum, int left, int right) ls. int middle; 4. if (left = right) ? middle=(left+pight)/2; switch (COMPARE (List [middle], searchnum)) ? case-1: return binsearch (list, searchnum, middle+1, right); 6. 7. case 1: return binearch (list, searchnum, left, middle-1); case 0; return middle 8, return-1; lain: The birsearch function returns a position in the array list! such that if the element searchnum is present in list, then list[pos]= Searchnum. Else, if the element searchnum is not present, the function Proof: The proof is by method of strong induction on n, the no. of strong induction on n, the no. of strong induction on n, the no. of