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SA CO4.10.24
BST FUNCTIONS
 - RECURSIVE ?
 - MAY HAVE INTERNITE POINTER OR REFERENCE AS PARAM
 - WE MAY NEED A PRIVATE AND PUBLIC PART
   EACH FUNCTION.
   IF (NOUS == MULL II MODELKEY == KEY) // COUND
      RETURN NOPE;
   IF (KBY = NOTE, KGY
    RETURN SEARCH (NODE, LEFT, KEY
   ELSE
   RETURN SEARCH
  BOOL FOUND ( INT KEY)
    RETURN (SEARCH (ROOT, KEY) != NULL);
PRIVATE:
 NODE MIN NODE * NODE) { // O(H)
   IF (NODE == NOLL) // BOUNDS
     RETURN NULL;
   WHILE (NODE. LEFT != NULL)
     NODE = NOOF LEFT;
   RETURN NODE;
 NODE MAX (NODE * NODE); // SAME AS MIN BUT MOVE RIGHT.
      SUCCESTOR (NODE NODE)
   IF (MODE == NULL) RETURN NULL; / BOUNDS CHECK
    IF (NODE, MGHT != NULL) RETURN MIN (NODE, RIGHT); // CASE # 9
```

DSA

NODE SUCCESSOR (NODE * NODE) {

IF (NODE == NULL) RETURN NULL;

IF (NODE RIGHT!= NULL)

RETURN MIN (NODE RIGHT); } CASE #1.

NODE TEMP = NODE PARENT;

WHILE (TEMP!= NULL) && NODE!= TEMP. RIGHT) {

NODE = TEMP

TEMP = TEMP. PARENT

RETURN TEMP

FIND LOWEST ANCESTOR WHOSE LEFT CHILD IS ALSO AN ANCESTOR OF MINE.