

ind index int N) s bool linear Search (infarr[], int x, if (index = = N) { LS(9,0,7) if (arr[index] = = x) { LS(9,2,7) return L refurn linear Search (arr, u, i+L, N); (5(9,4,7) (15(9,5,7)) 17

Stert = mid +1

and = mid -1 14 26 ->arr x=10 m.d: 8PJ = 9 Slert f end Made with Goodnotes

Binary Search

Bingry Search (infarr, infster); infend, infx) {

if (stert > end) {

refurn 0;
} in mid = stert + (end - stert) if (arr [mid) = = x) { refurn 1; else if (arr[mid] (n) reform Binory search (arr, mid +1, end, x); return Binery search (arr, sterd, mid -1, u); Made with Goodnotes

Bingry Search (intarr, intsport, intend, int) Stell = 0 BS (0, 5, 10) if (start > end) { end = 5 NID BS (3,5,10) mid = 24 in mid: Sterl + (end - stert) if (arr [mid) = = x) { else if (arrEmid] (n) Stord + (end-stort) return Binary search (arr, mid +1, end, x), return Binary sound (arr, stort, mid -1, u); Made with Goodnotes



