Pseudocodi 94 (A, a, b, c) { NEM-1: flagto: /(m= six of arrayA) while (122) { $4(a^2 = bA(e) + cA(a))$ } else y { a' > bA(e] + cA(e]) { 3 else if (a2 < bACe] + < AG]) { 7 retur flag In left pointer in it from the check algo: if at the given condition holds, if it holds we return from I less we check

holds we return from 1 llse we check
the value of a 2 and b A(L) + c A(A) if
a is greated we insent I less we
persected to T the value of b A(L) + c A(L)
as all other purameters are fixed, similarly
we derived a to + the value of bA(L) + c A(L)
as all other purameters are fixed.

time complexity: O(m)

lets suppose we haven't find the solution and we are running it the stration

be A Cl+i] + CA[x-i] # a2 Proof of correctness lets su (i+1)st iteration, u can have 3 cases CI: bA[l+io] + cA[r-i] > a2. in need to decrease the balue of LHS this could be done by only decrementy (r-i) to (r-i-) as we have already checked left of l + right of r for no seel on and value can only be devocated by taking another left of h-i) CII: bA[l+i]+ cA[1-i] < 02 by similar analogy we need to T they value of LHS by T (Q+i) to (Q+i+1) sony we got the sool also votersed the algor will seach further.