Linean search 1. i ← ŏ 2. while i<n and A[i] +v -> 3n 3. 100 0A € id ** i ← i+1 -----> 2(n-1) 4. if A [i] # V 5. Output "Not found" 6. Else 7. Output "found" T(n) = 0 + 3n + 2(n-1) + 2 + 1 + 0 + 1= 3n+2n-2+2+1+0+1 = 5n+2 T(n) = 5n+2 T(n) <= 5n+2n, n>0 T(n) <= 6n, march n=1 Hence, c=6 and g(n)=n, no=1 SO T(n) is O(n)