Two Lum:
Tolong the Two Lum problem-a classic hashmap based question with
Islouig the Trevo Sum problem-a classié hashmap based question with an efficient linear-time volution.
Strategy: Use a Flash Map!
1. Viaresse the assay once
2. For each nums [i'] conjute the complement; complement = target-numsi:
3. Check if the complement already exists in the magi-
If yes, setes, the indices: [map [complement] i]
Strology: Use a Flash Map? 1. Travorse the array once. 2. For each num; [i] conjute the complement; complement = target-numsi: 3. Check if the complement already exists in the map: If yes, retern the indices: [map [complement] i] Otherwise, stere the current value in the map: map [mums[i]]=i;
Methy et rosses; / You're essentially asking: "Hore I already sand number that would add with nums [i] to get torget?"
Time and space complexity: 1. Time: O(a): - each element is processed ence.
Time and space complexity: [Time: O(u): - each element is processed ence. Grace: O(u): - worst - case storage in the nage
Tedge Cases Handled: [- Duysleigter values (like [; 27)
L'egative numbers
· Exactly one valed solution, as quare nteed by
the problem.