2 SUM array = [5/2)11/7)15] tar = 9 return [1,3) all pain -s sum = ter for (i=0 to n) 2 first -arr Ci7 for (j=i+1to n) [second = air [i] sum = fint + xccord if (cun = tar) of y 3 () (n2) serting > O(n logn) [2 5 7 11 15] Shellost larget Sum = smallest + largest = 17 [2 5 7 11 15] Shallost larget sum = 2+11 = 13 layera --L2 5 7 11 Shallost largett Sum = 2 + 7 = 9target ~ O(v) Total TC: O(n/ogn)) Optivized hashing arr=[5 2 11 7 15] pair Sum = firet + record = tar unordered 5 2 11 7 15 element / ida acord = 9-5 = 4 4 not there element lida first Sword = 7 Store 2 in um element lida Store 17 in um element lida first Sword = 2 2 enjots in um make pair of 2 ka itelen and 2 the index that 15 your result fsudo Code unordered - veg ci, i> m (i=0) to (i=0) (i=0)y cosi voi First = arr [i] &c = tar -first if (m. find (scc) != m. end ())? refurn [i, m [sce]] We consider that find function takes m (first) = i; Coustant like for practical colutions TC: O(n)