3 Sum murs = [-1, 0, 1, 2, -1,-4] he need to find a, b, c where a+b+c=0-1+0+1=0 Ctriplety 2+-1+-1=0 ne need to final unique triplets 1!=j!=k should not bethe same muber must be at since different inderes 1) Brute Force find all possible combinations for (i = 0 ton)? for (j= 1+1 ton)2 For ( k=j+1 to n) ( if (atbtc==0) 1 will store in set not in uverdered because he vært it to be sorted Even Hert it there are applicates be from all the per mutations eine (1/1) be the save after being TC: O(n3 x log/unique trip)cts)) because ne ver set 2) Better (Hashing) atbtc= 6 a = - (btc) = target for (i=0 ton) I tar = - nums[i] Set ZIMT > Si for (j=i+1 to n)? tofind = far - ms [i] if (s.find (tofind) != s.end())} Foure s.jveert [nous []] TC: O(n2x 109 (uni que Triplets)) (3) Optimized 12 pointer approach) nurs => sort [-4,-1,-1,0,1,2] Sum = -4+(-1)+2=-31 ne need to inereose sum 10 11++ J+K so we need to inerease i now for (i=0 ton) 2 if(i>0) && mirs[i] == nuns[i-i]) (ontime; リニ ナーノ キョハー while (jet) 2 Sum = mus [i] + mus [j] + murs [&] it (sum <0) le (sum>0) all of N(i), N(i) N(+) ->ars While (jet 22 nursCj] = = nursCj-1] Il to avoid repeated values TC: O(nlogn+n2)