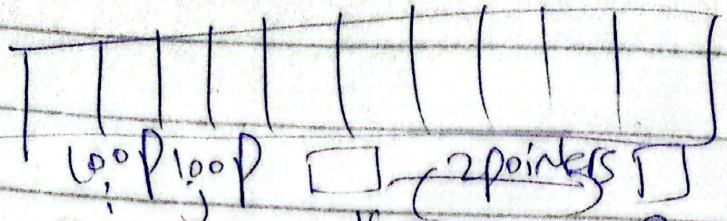
4 Sum

We have to take the group of four elements.

nums[i] + nums[j] + nums[k] + nums[l] = tar




```
for(i=0 to n){
    for(j=i+1 to n){
    p=j+1, q=n-1
    while(p<q){
      sum=n[i]+n[j]+n[p]+n[q]
sum<tar --> p++
sum>tar --> q--
sum==tar ANS store
          p++ ; q--
```

3 optimization

* If i gets duplicate move forward.
* If j gets duplicate move forward.
* If p gets duplicate move forward.