```
input:
               output:
                                         prefix sum
     5
              10
                                     index 01234
     12345
                                     value 12345
     14
                                          1361015
                                     sum
    time complexity is t*n
     prefix sum usage
                                    prefix sum usage
          case 1
                                         case 2
find the sum from index 2 to 4
                               find the sum from index 0 to 3
                                index
index
         01234
                                values
                                        12345
         12345
values
                                         1361015
         1 3 6 10 15
                                sum
sum
                                       sum = 10
    sum = 12 = 15 - 3
```

if (l!=0){cout<<sum[r]-sum[l-1];} else{cout<<sum[r];}</pre>

suffix sum

opposite of prefix sum

index 0 1 2 3 4 values 1 2 3 4 5 sum 15 14 12 9 5

you will use prefix sum more