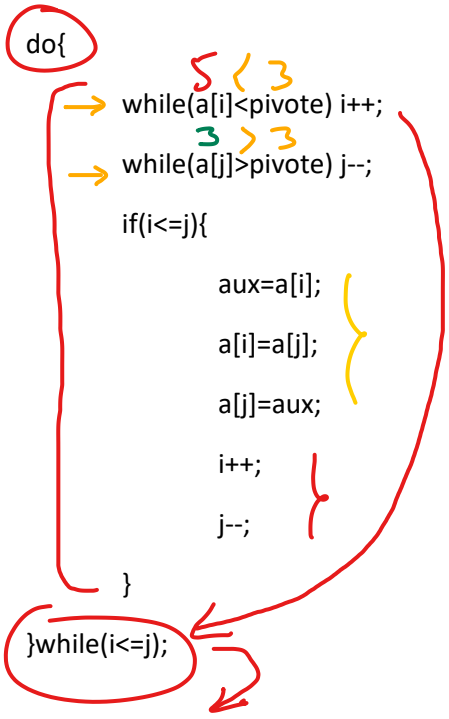
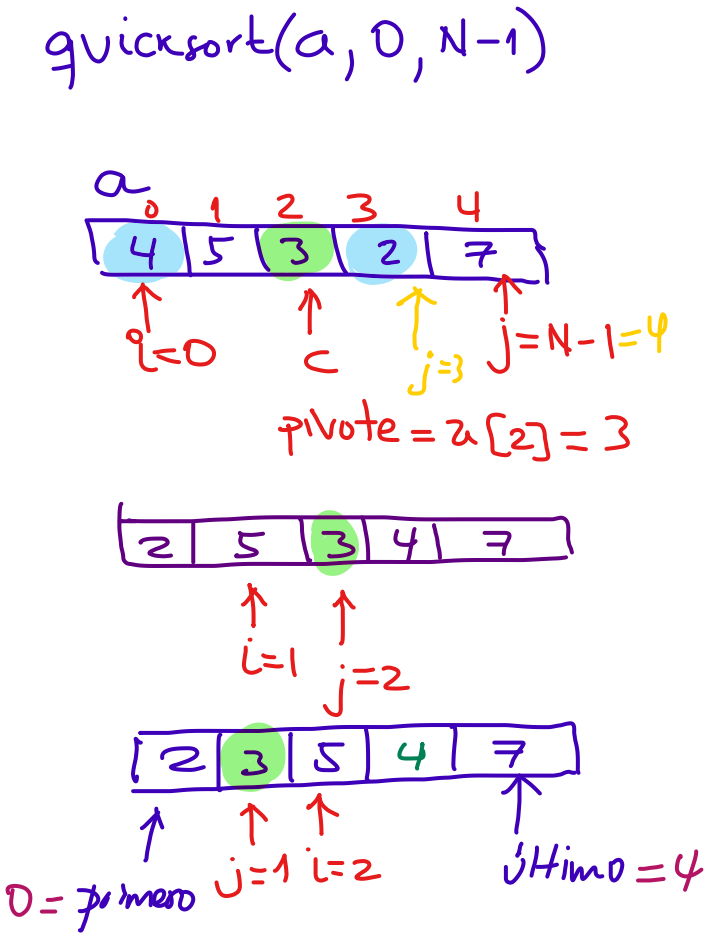
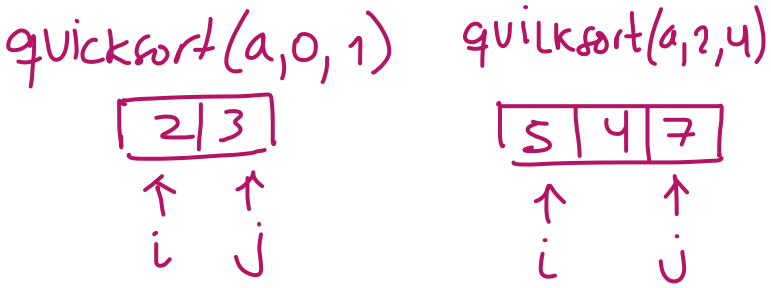
```
#include<iostream>
#define N 10
using namespace std;

//función de ordenamiento con Quicksort
void quicksort(int a[],int primero, int ultimo){
        int c,i,j,aux,pivote;
        i=primero;
        j=ultimo;
        c=(primero+ultimo)/2;
        pivote=a[c];
        do{
            while(a[i]<pivote) i++;
            while(a[j]>pivote) j--;
            if(i<=j){
                aux=a[i];
                a[i]=a[j];
                a[j]=aux;
                i++;
                j--;
            }
        }while(i<=j);

        if(primero<j)
            quicksort(a,primero,j);
        if(i<ultimo)
            quicksort(a,i,ultimo);

}
```







```
//función principal o de ejecución
int main(){
                    int A[N]={7,3,4,1,0,5,-1,7,9,2};
                    for(int i=0;i<N;i++)
                    cout<<A[i]<<" ";
                    quicksort(A,0,N-1);
                    cout<<endl;
                    for(int i=0;i<N;i++)
                    cout<<A[i]<<" ";
}
```