

linear search

```
1 void sort(int a[], int n)
2 {
3
4     int i, j, this_a;
5
6     for(i=1; i<n; i++){
7         this_a=a[i];
8         j=i-1;
9
10        while(j>=0&&this_a<a[j]){
11            a[j+1]=a[j];
12            j=j-1;
13        }
14
15        a[j+1]=this_a;
16    }
17 }
```