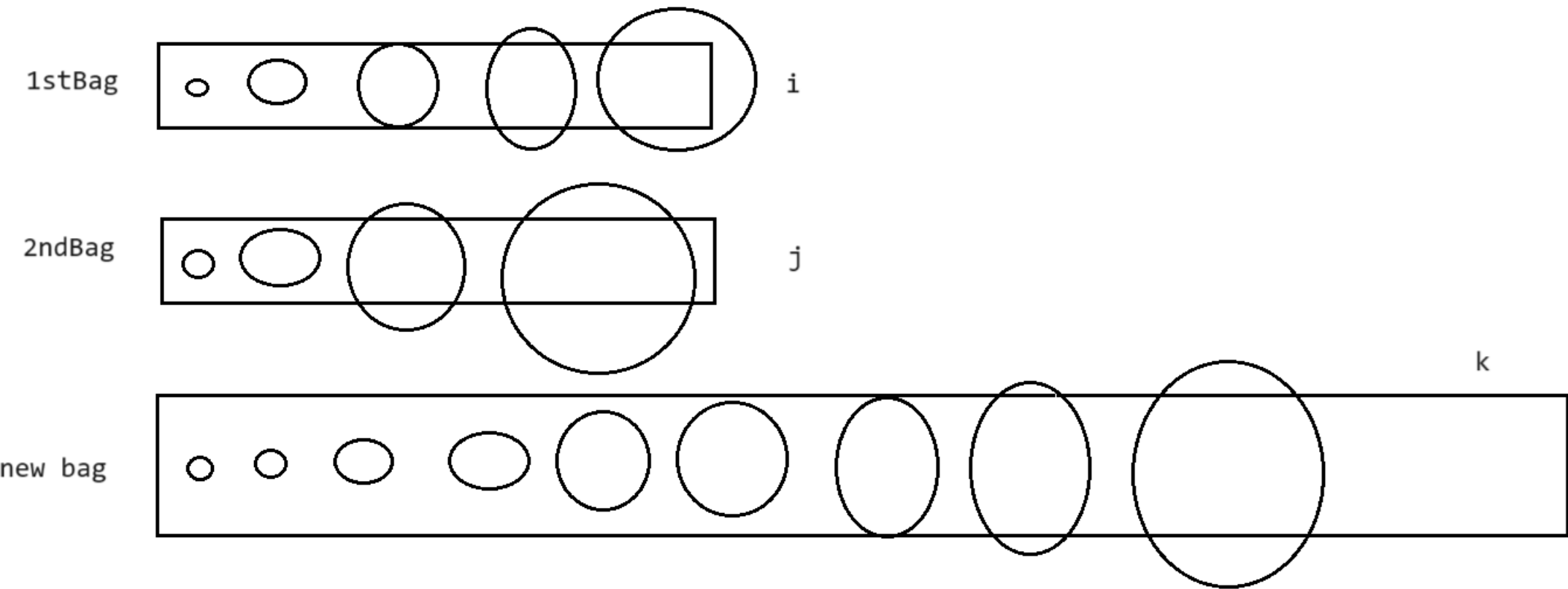


```
while(j>=0 && a[j]>item)
{
    push a[j] one level below
    --j;
}
```

Sort the data 96,27,106,15,23 using insertion sort

MergeSort [Divide and Conquer Strategy]

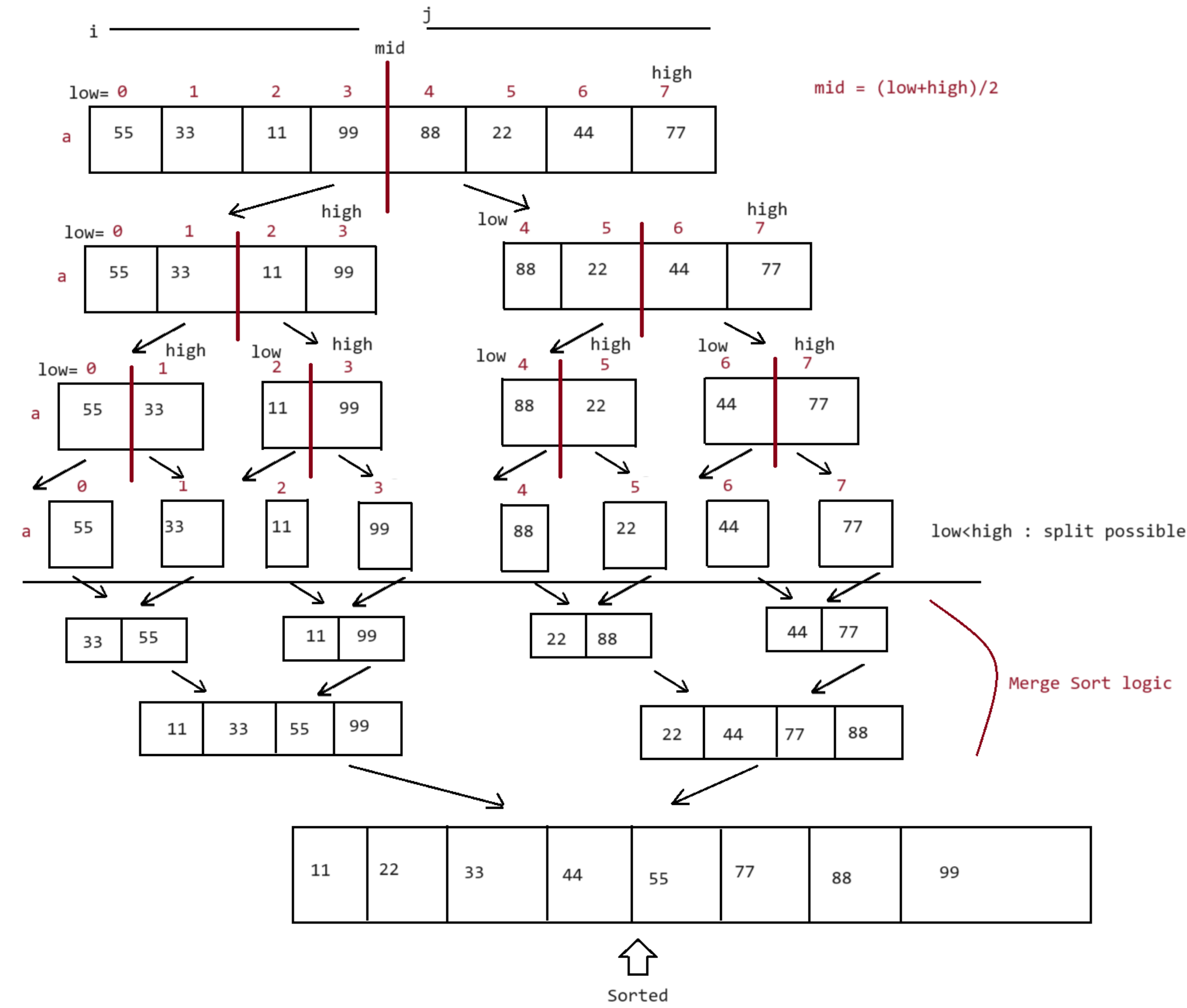


As long as there are elements in both the bags

```
{
    if (1st bag element < 2nd bag element)
        place 1st bag element into new bag
    else
        place 2nd bag element into new bag
}
```

if(1st bag is empty)
place all the elements from 2nd bag to new bag
else
place all the first bag elements to new bag

Copy all the elements from the new bag to old bag



Split

Merging

0	1	2	3	4	5
89	45	68	90	29	34

using MergeSort