

```

algo modified-bubble-sort(a[], n)
    flag = 1
    for (i = 1; i <= (n-1) && flag == 1; i++)
    {
        flag = -1
        for (j = 1; j <= (n-i); j++)
        {
            if (a[j] > a[j+1])
            {
                swap a[j], a[j+1]
                flag = 1
            }
        }
    }

```

If inner loops comparisons doesn't end up with a swap, then there is no point in checking for outer loop.