

Complete the missing code segments and identify each sorting algorithm.

1 *****

```
public static void mysterySort1(int[] arr) // what sort is this? _____
{
    int j = 0;

    for (int i = 1; i < arr.length; i++)
    {
        int value = arr[i];
        j = _____ ;

        while (j > 0 && arr[j - 1] >= value)
        {
            _____
            j--;
        }

        arr[j] = _____ ;
    }
}
```

2 *****

```
public static void mysterySort2(int[] arr) // what sort is this? _____
{
    for (int i = 0; i < _____ ; i++)
    {
        int minIndex = i;

        int min = _____

        for ( int j = _____ ; j < arr.length; j++)
        {
            if ( arr[j] < _____ )
            {
                minIndex = j;
                min = arr[minIndex];
            }
        }

        int temp = arr[minIndex];

        arr[minIndex] = _____
        arr[i] = temp;
    }
}
```