

Complete the missing code segments and identify each sorting algorithm.

```
// 1 *****  
  
public static void MysterySort(int[] a)    // what sort is this? _____  
{  
  
    for (int i = 1; i < a.length; i++)  
    {  
        int value = a[i];  
        int j = 0;  
  
        for ( j = _____ ; j >= 0 && a[j] > value; j-- )  
        {  
  
            _____  
  
        }  
  
        a[j + 1] = _____  
  
    }  
  
}
```

```
// 2 *****  
  
public static void MysterySort(int[] a)    // what sort is this? _____  
{  
    boolean swapMade = false;  
  
    for (int i = 0; i < _____ ; i++)  
    {  
  
        _____  
  
        for (int j = a.length - 1; j > i; j--)  
        {  
            if (a[j-1] > a[j])  
            {  
                int T = _____  
  
                a[j-1] = _____  
  
                a[j] = _____  
                swapMade = true;  
            }  
        }  
  
        if (!swapMade) break;  
  
    }  
  
}
```

```
// 3 *****
public static void MysterySort(int[] a) // what sort is this? _____
{
    for (int i = 0; i < _____ ; i++)
    {
        int minIndex = i;

        int min = _____

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

        int T = a[minIndex];

        a[minIndex] = _____
        a[i] = T;
    }
}
```