

```

Object [] runSort (SortType, arrayType, arraySize, num) {
    Object [] objects = new Object [num * 2 + 1];
    TestTimes tt = new TestTimes ();
    for (i = 0; i < num; i++) {
        — Integer[] array = make array of size & type;
        — objects [i] = copy of array;
        — start time
        — * sort array using sort type
        — end time
        — tpt = add test time (end time - start time);
        — objects [i+1] = copy of sorted array
    }
    objects [objects.length - 1] = tt;
}
}

```

```

insertionSort (int [] array) {
  for (i=1; i < array.length; i++) {
    temp = array[i];
    j = i;
    while ((j > 0) && (array[j-1] > temp)) {
      array[j] = array[j-1];
      j--;
    }
    array[j] = temp;
  }
}

```

<u>i</u>	<u>j</u>	<u>j-1</u>	<u>temp</u>
1	1	0	5
2	0	1	17
3	2	2	8
4	3	1	
	2		

}

