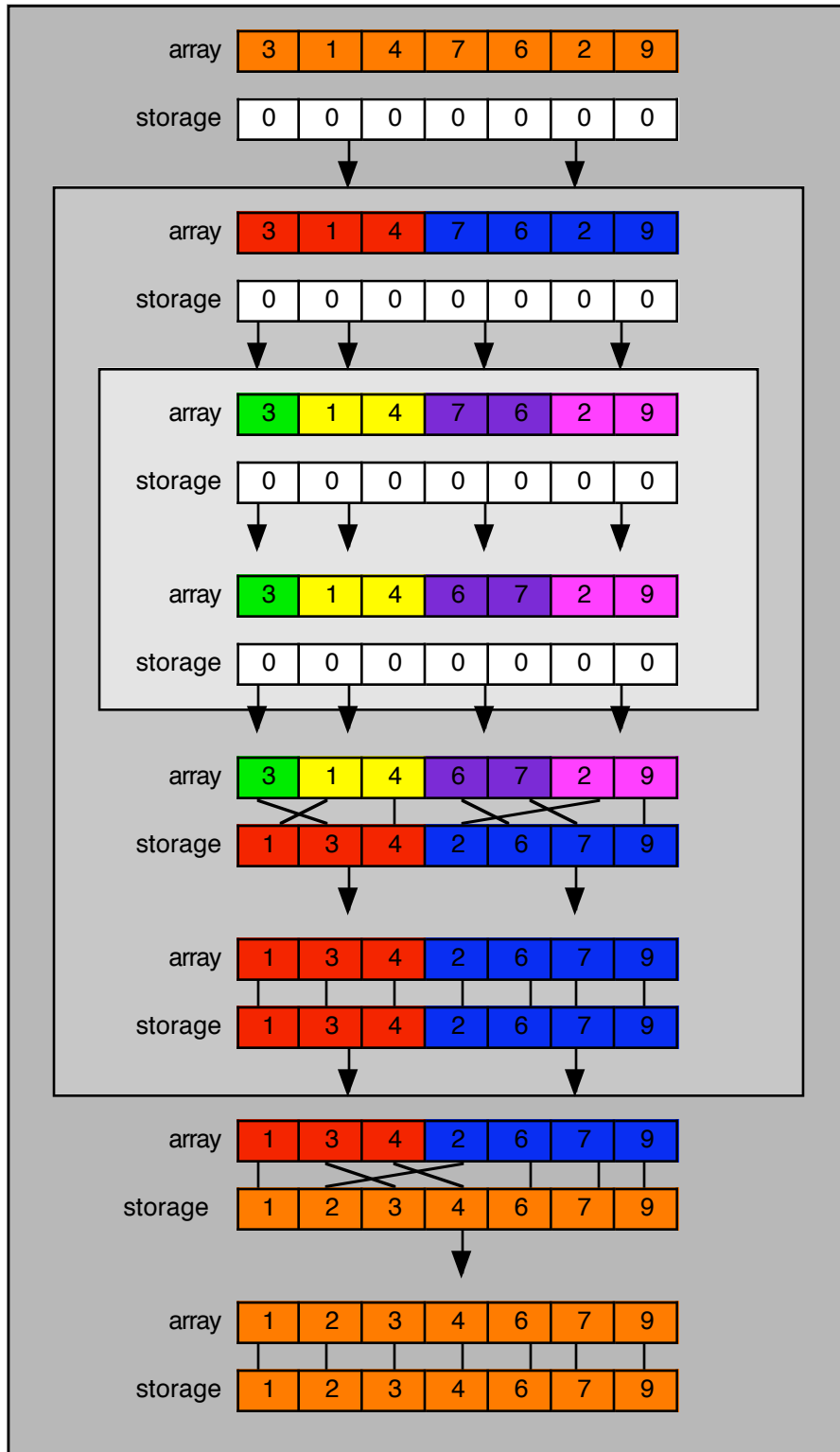


MergeSort

How it Works



Split orange array into two parts and MergeSort the new red and blue arrays.

Split red array into two parts and the blue array into two parts and MergeSort both the green and yellow arrays and the purple and pink arrays.

The green, yellow, purple, and pink arrays are all 2 or less, so sort them by swapping (if necessary).

All four of the subarrays are now sorted, so the third level of merge sort is now complete.

Now we merge the four arrays into two in the storage array.

The values must then be copied back from storage into the array, yielding two inorder arrays, and so the second level of merge sort is now complete.

Now we merge the two arrays into one in the storage array.

The values must then be copied back from storage into the array, yielding one inorder array, and so the first level of merge sort is now complete.