

I can't officially compare speeds because my MSDRadixSort implementation is not working correctly.

But I am certain that MSDRadixSort will be slower than LSDRadixSort because it has to complete the bucket sort recursively on each significant digit.

For example, LSDRadixSort completes the bucket sort on the 1's place on the entire list, then the 10's place on the entire list, and so on, while MSDRadixSort completes the bucket sort on the 10's place on the entire list, then the 1's place on each 10's place bucket.

However, one advantage of is that it may not have to examine all the digits, if it is already sorted by the previous significant digit.