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20 Array : 10 12 5 64 23 87 14 11 65 32 34 61 89 34 25 53 46 9 16 15

C Code : 89 87 65 34 61 34 64 25 14 5 10 23 32 16 53 15 12 9 46 11

Java Code : 89 65 87 53 34 64 34 46 16 15 32 5 61 14 25 10 23 9 11 12

This difference problem between one of them gives priority to the left and the other to the right.

In the performance test, I could only test 2*24 because both java and c gave errors for data more than 2**24. This problem is probably due to out of memory. But c can run 2**25 , 2**26 , 2**27 data. However, it can not write to a file because of out of memory.

2**24 Performance Test:

C : 0.35 – 0.38 sec

Java : 0.95 – 1.15 sec

According to this test , Java is approximately 3 times slower than C.

Source Link:

https://www.geeksforgeeks.org/basics-file-handling-c/

https://www.sanfoundry.com/c-program-to-implement-binary-heap/

https://www.geeksforgeeks.org/level-order-tree-traversal/

https://stackoverflow.com/questions/52667952/save-single-string-to-array-separate-by-multi-space-in-file-text-java

https://stackoverflow.com/questions/32235900/writing-array-to-txt-java