

## Merge sort raw output for execution run 1:

A

Lines: 1

Time to read input: 309905 nanoseconds.

Time to sort input: 1549 nanoseconds.

Lines: 2

Time to read input: 616126 nanoseconds.

Time to sort input: 1054879 nanoseconds.

Lines: 4

Time to read input: 635466 nanoseconds.

Time to sort input: 1649450 nanoseconds.

Lines: 8

Time to read input: 1455345 nanoseconds.

Time to sort input: 3641136 nanoseconds.

Lines: 16

Time to read input: 2371863 nanoseconds.

Time to sort input: 7289831 nanoseconds.

Lines: 32

Time to read input: 3000181 nanoseconds.

Time to sort input: 13383602 nanoseconds.

Lines: 64

Time to read input: 5642770 nanoseconds.

Time to sort input: 24168703 nanoseconds.

Lines: 128

Time to read input: 5758968 nanoseconds.

Time to sort input: 38076442 nanoseconds.

Lines: 256

Time to read input: 7715496 nanoseconds.

Time to sort input: 74919311 nanoseconds.

Lines: 512

Time to read input: 8534088 nanoseconds.

Time to sort input: 98526268 nanoseconds.

Lines: 1024

Time to read input: 14085409 nanoseconds.

Time to sort input: 134037962 nanoseconds.

Lines: 2048

Time to read input: 28787126 nanoseconds.

Time to sort input: 218321504 nanoseconds.

Lines: 4096

Time to read input: 31785232 nanoseconds.

Time to sort input: 436330513 nanoseconds.

Lines: 8192

Time to read input: 59266376 nanoseconds.

Time to sort input: 556071425 nanoseconds.

Lines: 16384

Time to read input: 57270205 nanoseconds.

Time to sort input: 1151871030 nanoseconds.

Lines: 32768

Time to read input: 102014771 nanoseconds.

Time to sort input: 1841933609 nanoseconds.

Lines: 65536

Time to read input: 207553537 nanoseconds.  
Time to sort input: 3440866795 nanoseconds.  
Lines: 131072  
Time to read input: 385726429 nanoseconds.  
Time to sort input: 7021287216 nanoseconds.  
Lines: 262144  
Time to read input: 746506173 nanoseconds.  
Time to sort input: 14610337351 nanoseconds.  
Lines: 524288  
Time to read input: 1445746606 nanoseconds.  
Time to sort input: 31957484933 nanoseconds.  
Lines: 1048576  
Time to read input: 3040915093 nanoseconds.  
Time to sort input: 63686831624 nanoseconds.  
Lines: 2097152  
Time to read input: 6477935571 nanoseconds.  
Time to sort input: 132571242574 nanoseconds.  
Lines: 4194304  
Time to read input: 12621418738 nanoseconds.  
Time to sort input: 298993243112 nanoseconds.

B

Lines: 1  
Time to read input: 329297 nanoseconds.  
Time to sort input: 1690 nanoseconds.  
Lines: 2  
Time to read input: 545949 nanoseconds.  
Time to sort input: 1468196 nanoseconds.  
Lines: 4  
Time to read input: 616705 nanoseconds.  
Time to sort input: 2291439 nanoseconds.  
Lines: 8  
Time to read input: 1692360 nanoseconds.  
Time to sort input: 3647522 nanoseconds.  
Lines: 16  
Time to read input: 3293681 nanoseconds.  
Time to sort input: 6356163 nanoseconds.  
Lines: 32  
Time to read input: 4357454 nanoseconds.  
Time to sort input: 11553124 nanoseconds.  
Lines: 64  
Time to read input: 6906957 nanoseconds.  
Time to sort input: 34295269 nanoseconds.  
Lines: 128  
Time to read input: 9597608 nanoseconds.  
Time to sort input: 47546993 nanoseconds.  
Lines: 256  
Time to read input: 7842449 nanoseconds.  
Time to sort input: 48845227 nanoseconds.  
Lines: 512  
Time to read input: 11204571 nanoseconds.  
Time to sort input: 85404229 nanoseconds.

Lines: 1024  
Time to read input: 20582424 nanoseconds.  
Time to sort input: 113721880 nanoseconds.  
Lines: 2048  
Time to read input: 29147463 nanoseconds.  
Time to sort input: 180977528 nanoseconds.  
Lines: 4096  
Time to read input: 23694536 nanoseconds.  
Time to sort input: 309812868 nanoseconds.  
Lines: 8192  
Time to read input: 30732023 nanoseconds.  
Time to sort input: 427492136 nanoseconds.  
Lines: 16384  
Time to read input: 53454342 nanoseconds.  
Time to sort input: 821615665 nanoseconds.  
Lines: 32768  
Time to read input: 163962841 nanoseconds.  
Time to sort input: 1375306866 nanoseconds.  
Lines: 65536  
Time to read input: 207031619 nanoseconds.  
Time to sort input: 2465724433 nanoseconds.  
Lines: 131072  
Time to read input: 373298498 nanoseconds.  
Time to sort input: 4958399736 nanoseconds.  
Lines: 262144  
Time to read input: 775136812 nanoseconds.  
Time to sort input: 9859260351 nanoseconds.  
Lines: 524288  
Time to read input: 1480489837 nanoseconds.  
Time to sort input: 20386421079 nanoseconds.  
Lines: 1048576  
Time to read input: 2834159558 nanoseconds.  
Time to sort input: 43187447170 nanoseconds.  
Lines: 2097152  
Time to read input: 6482615012 nanoseconds.  
Time to sort input: 93845089641 nanoseconds.  
Lines: 4194304  
Time to read input: 12477827529 nanoseconds.  
Time to sort input: 193540823012 nanoseconds.

C

Lines: 1  
Time to read input: 335370 nanoseconds.  
Time to sort input: 1547 nanoseconds.  
Lines: 2  
Time to read input: 599203 nanoseconds.  
Time to sort input: 1252655 nanoseconds.  
Lines: 4  
Time to read input: 752700 nanoseconds.  
Time to sort input: 1950526 nanoseconds.  
Lines: 8  
Time to read input: 1489667 nanoseconds.

Time to sort input: 3783543 nanoseconds.  
Lines: 16  
Time to read input: 2224542 nanoseconds.  
Time to sort input: 8051368 nanoseconds.  
Lines: 32  
Time to read input: 3122894 nanoseconds.  
Time to sort input: 13380279 nanoseconds.  
Lines: 64  
Time to read input: 4300809 nanoseconds.  
Time to sort input: 24928541 nanoseconds.  
Lines: 128  
Time to read input: 5461874 nanoseconds.  
Time to sort input: 36897872 nanoseconds.  
Lines: 256  
Time to read input: 7846064 nanoseconds.  
Time to sort input: 63586854 nanoseconds.  
Lines: 512  
Time to read input: 9523415 nanoseconds.  
Time to sort input: 84775033 nanoseconds.  
Lines: 1024  
Time to read input: 13774761 nanoseconds.  
Time to sort input: 122342226 nanoseconds.  
Lines: 2048  
Time to read input: 43542203 nanoseconds.  
Time to sort input: 211333553 nanoseconds.  
Lines: 4096  
Time to read input: 36701547 nanoseconds.  
Time to sort input: 280568697 nanoseconds.  
Lines: 8192  
Time to read input: 30940378 nanoseconds.  
Time to sort input: 521966271 nanoseconds.  
Lines: 16384  
Time to read input: 53953514 nanoseconds.  
Time to sort input: 771360240 nanoseconds.  
Lines: 32768  
Time to read input: 101587852 nanoseconds.  
Time to sort input: 1368181504 nanoseconds.  
Lines: 65536  
Time to read input: 295524647 nanoseconds.  
Time to sort input: 2647753543 nanoseconds.  
Lines: 131072  
Time to read input: 380992927 nanoseconds.  
Time to sort input: 5524200261 nanoseconds.  
Lines: 262144  
Time to read input: 714328087 nanoseconds.  
Time to sort input: 10542190003 nanoseconds.  
Lines: 524288  
Time to read input: 1487352782 nanoseconds.  
Time to sort input: 21817807742 nanoseconds.  
Lines: 1048576  
Time to read input: 2862675835 nanoseconds.  
Time to sort input: 44245294133 nanoseconds.

Lines: 2097152  
Time to read input: 6123209025 nanoseconds.  
Time to sort input: 96407395561 nanoseconds.  
Lines: 4194304  
Time to read input: 12239480064 nanoseconds.  
Time to sort input: 197176840503 nanoseconds.

### **Merge sort raw output for execution run 2:**

A  
Lines: 1  
Time to read input: 397910 nanoseconds.  
Time to sort input: 1599 nanoseconds.  
Lines: 2  
Time to read input: 560183 nanoseconds.  
Time to sort input: 1054745 nanoseconds.  
Lines: 4  
Time to read input: 809928 nanoseconds.  
Time to sort input: 1647243 nanoseconds.  
Lines: 8  
Time to read input: 1446670 nanoseconds.  
Time to sort input: 3809083 nanoseconds.  
Lines: 16  
Time to read input: 2219876 nanoseconds.  
Time to sort input: 7245153 nanoseconds.  
Lines: 32  
Time to read input: 2886934 nanoseconds.  
Time to sort input: 13128051 nanoseconds.  
Lines: 64  
Time to read input: 4133418 nanoseconds.  
Time to sort input: 24929437 nanoseconds.  
Lines: 128  
Time to read input: 10383830 nanoseconds.  
Time to sort input: 47127351 nanoseconds.  
Lines: 256  
Time to read input: 7361737 nanoseconds.  
Time to sort input: 74447598 nanoseconds.  
Lines: 512  
Time to read input: 8656369 nanoseconds.  
Time to sort input: 111028097 nanoseconds.  
Lines: 1024  
Time to read input: 12957572 nanoseconds.  
Time to sort input: 166191165 nanoseconds.  
Lines: 2048  
Time to read input: 30197316 nanoseconds.  
Time to sort input: 239549589 nanoseconds.  
Lines: 4096  
Time to read input: 33317012 nanoseconds.  
Time to sort input: 350189151 nanoseconds.  
Lines: 8192  
Time to read input: 60210097 nanoseconds.  
Time to sort input: 513371143 nanoseconds.

Lines: 16384  
Time to read input: 55145952 nanoseconds.  
Time to sort input: 984979127 nanoseconds.  
Lines: 32768  
Time to read input: 105296603 nanoseconds.  
Time to sort input: 1852566600 nanoseconds.  
Lines: 65536  
Time to read input: 239659527 nanoseconds.  
Time to sort input: 3631097605 nanoseconds.  
Lines: 131072  
Time to read input: 379899101 nanoseconds.  
Time to sort input: 6916620143 nanoseconds.  
Lines: 262144  
Time to read input: 728326602 nanoseconds.  
Time to sort input: 14727871738 nanoseconds.  
Lines: 524288  
Time to read input: 1512520660 nanoseconds.  
Time to sort input: 31496365274 nanoseconds.  
Lines: 1048576  
Time to read input: 2879213010 nanoseconds.  
Time to sort input: 63291778940 nanoseconds.  
Lines: 2097152  
Time to read input: 6495452454 nanoseconds.  
Time to sort input: 137849475133 nanoseconds.  
Lines: 4194304  
Time to read input: 12830469196 nanoseconds.  
Time to sort input: 312708481605 nanoseconds.

B

Lines: 1  
Time to read input: 343323 nanoseconds.  
Time to sort input: 1665 nanoseconds.  
Lines: 2  
Time to read input: 594094 nanoseconds.  
Time to sort input: 1082483 nanoseconds.  
Lines: 4  
Time to read input: 1033455 nanoseconds.  
Time to sort input: 2188832 nanoseconds.  
Lines: 8  
Time to read input: 1426330 nanoseconds.  
Time to sort input: 3467748 nanoseconds.  
Lines: 16  
Time to read input: 2714788 nanoseconds.  
Time to sort input: 6076518 nanoseconds.  
Lines: 32  
Time to read input: 3016466 nanoseconds.  
Time to sort input: 11518134 nanoseconds.  
Lines: 64  
Time to read input: 4241811 nanoseconds.  
Time to sort input: 22358040 nanoseconds.  
Lines: 128  
Time to read input: 5969036 nanoseconds.

Time to sort input: 35644800 nanoseconds.  
Lines: 256  
Time to read input: 7585175 nanoseconds.  
Time to sort input: 55957807 nanoseconds.  
Lines: 512  
Time to read input: 10928566 nanoseconds.  
Time to sort input: 92846140 nanoseconds.  
Lines: 1024  
Time to read input: 17070914 nanoseconds.  
Time to sort input: 111329711 nanoseconds.  
Lines: 2048  
Time to read input: 20577876 nanoseconds.  
Time to sort input: 171691508 nanoseconds.  
Lines: 4096  
Time to read input: 28362549 nanoseconds.  
Time to sort input: 304028404 nanoseconds.  
Lines: 8192  
Time to read input: 31758504 nanoseconds.  
Time to sort input: 600957073 nanoseconds.  
Lines: 16384  
Time to read input: 53446297 nanoseconds.  
Time to sort input: 740622477 nanoseconds.  
Lines: 32768  
Time to read input: 156550409 nanoseconds.  
Time to sort input: 1363188476 nanoseconds.  
Lines: 65536  
Time to read input: 208719476 nanoseconds.  
Time to sort input: 2521142161 nanoseconds.  
Lines: 131072  
Time to read input: 382481768 nanoseconds.  
Time to sort input: 5119710405 nanoseconds.  
Lines: 262144  
Time to read input: 729960746 nanoseconds.  
Time to sort input: 9890283046 nanoseconds.  
Lines: 524288  
Time to read input: 1508984399 nanoseconds.  
Time to sort input: 20318986422 nanoseconds.  
Lines: 1048576  
Time to read input: 2892411043 nanoseconds.  
Time to sort input: 43403943577 nanoseconds.  
Lines: 2097152  
Time to read input: 6425426952 nanoseconds.  
Time to sort input: 94039351508 nanoseconds.  
Lines: 4194304  
Time to read input: 12475306353 nanoseconds.  
Time to sort input: 188805598444 nanoseconds.

C

Lines: 1  
Time to read input: 401790 nanoseconds.  
Time to sort input: 1457 nanoseconds.  
Lines: 2

Time to read input: 583839 nanoseconds.  
Time to sort input: 1062555 nanoseconds.  
Lines: 4  
Time to read input: 714251 nanoseconds.  
Time to sort input: 2101460 nanoseconds.  
Lines: 8  
Time to read input: 1531722 nanoseconds.  
Time to sort input: 3774028 nanoseconds.  
Lines: 16  
Time to read input: 2406235 nanoseconds.  
Time to sort input: 7053285 nanoseconds.  
Lines: 32  
Time to read input: 3026222 nanoseconds.  
Time to sort input: 13462630 nanoseconds.  
Lines: 64  
Time to read input: 4337701 nanoseconds.  
Time to sort input: 25200648 nanoseconds.  
Lines: 128  
Time to read input: 6182699 nanoseconds.  
Time to sort input: 39049543 nanoseconds.  
Lines: 256  
Time to read input: 7628146 nanoseconds.  
Time to sort input: 51572946 nanoseconds.  
Lines: 512  
Time to read input: 10625725 nanoseconds.  
Time to sort input: 91746908 nanoseconds.  
Lines: 1024  
Time to read input: 14371805 nanoseconds.  
Time to sort input: 123365364 nanoseconds.  
Lines: 2048  
Time to read input: 43465558 nanoseconds.  
Time to sort input: 179479783 nanoseconds.  
Lines: 4096  
Time to read input: 16885138 nanoseconds.  
Time to sort input: 315574445 nanoseconds.  
Lines: 8192  
Time to read input: 31684510 nanoseconds.  
Time to sort input: 513533158 nanoseconds.  
Lines: 16384  
Time to read input: 58003584 nanoseconds.  
Time to sort input: 795094948 nanoseconds.  
Lines: 32768  
Time to read input: 158034948 nanoseconds.  
Time to sort input: 1359865946 nanoseconds.  
Lines: 65536  
Time to read input: 212751601 nanoseconds.  
Time to sort input: 2715068595 nanoseconds.  
Lines: 131072  
Time to read input: 387178450 nanoseconds.  
Time to sort input: 5309982217 nanoseconds.  
Lines: 262144  
Time to read input: 726958224 nanoseconds.



Time to sort input: 10355003058 nanoseconds.  
Lines: 524288  
Time to read input: 1453315838 nanoseconds.  
Time to sort input: 21633923143 nanoseconds.  
Lines: 1048576  
Time to read input: 2909906743 nanoseconds.  
Time to sort input: 44045086131 nanoseconds.  
Lines: 2097152  
Time to read input: 5893467167 nanoseconds.  
Time to sort input: 95722593810 nanoseconds.  
Lines: 4194304  
Time to read input: 12263898937 nanoseconds.  
Time to sort input: 197162472469 nanoseconds.

### **Merge sort raw output for execution run 3:**

A  
Lines: 1  
Time to read input: 339144 nanoseconds.  
Time to sort input: 1647 nanoseconds.  
Lines: 2  
Time to read input: 591648 nanoseconds.  
Time to sort input: 1139028 nanoseconds.  
Lines: 4  
Time to read input: 706565 nanoseconds.  
Time to sort input: 1754974 nanoseconds.  
Lines: 8  
Time to read input: 1468008 nanoseconds.  
Time to sort input: 4221554 nanoseconds.  
Lines: 16  
Time to read input: 2197678 nanoseconds.  
Time to sort input: 7990627 nanoseconds.  
Lines: 32  
Time to read input: 2903082 nanoseconds.  
Time to sort input: 14149752 nanoseconds.  
Lines: 64  
Time to read input: 4063952 nanoseconds.  
Time to sort input: 24727871 nanoseconds.  
Lines: 128  
Time to read input: 5464085 nanoseconds.  
Time to sort input: 39192776 nanoseconds.  
Lines: 256  
Time to read input: 13715083 nanoseconds.  
Time to sort input: 81995447 nanoseconds.  
Lines: 512  
Time to read input: 10207372 nanoseconds.  
Time to sort input: 91955142 nanoseconds.  
Lines: 1024  
Time to read input: 13933165 nanoseconds.  
Time to sort input: 136327215 nanoseconds.  
Lines: 2048  
Time to read input: 30363016 nanoseconds.

Time to sort input: 236553729 nanoseconds.  
Lines: 4096  
Time to read input: 36280810 nanoseconds.  
Time to sort input: 373965266 nanoseconds.  
Lines: 8192  
Time to read input: 67538297 nanoseconds.  
Time to sort input: 700143301 nanoseconds.  
Lines: 16384  
Time to read input: 55522177 nanoseconds.  
Time to sort input: 1001701654 nanoseconds.  
Lines: 32768  
Time to read input: 119208102 nanoseconds.  
Time to sort input: 1829360421 nanoseconds.  
Lines: 65536  
Time to read input: 235416911 nanoseconds.  
Time to sort input: 3566501583 nanoseconds.  
Lines: 131072  
Time to read input: 386888371 nanoseconds.  
Time to sort input: 7144905702 nanoseconds.  
Lines: 262144  
Time to read input: 767066089 nanoseconds.  
Time to sort input: 14449807737 nanoseconds.  
Lines: 524288  
Time to read input: 1553103738 nanoseconds.  
Time to sort input: 30530300685 nanoseconds.  
Lines: 1048576  
Time to read input: 2859223586 nanoseconds.  
Time to sort input: 64027460175 nanoseconds.  
Lines: 2097152  
Time to read input: 6543637358 nanoseconds.  
Time to sort input: 132176067225 nanoseconds.  
Lines: 4194304  
Time to read input: 12648259649 nanoseconds.  
Time to sort input: 299144031683 nanoseconds.

B

Lines: 1  
Time to read input: 335067 nanoseconds.  
Time to sort input: 1671 nanoseconds.  
Lines: 2  
Time to read input: 460621 nanoseconds.  
Time to sort input: 1473266 nanoseconds.  
Lines: 4  
Time to read input: 689789 nanoseconds.  
Time to sort input: 1870854 nanoseconds.  
Lines: 8  
Time to read input: 1438716 nanoseconds.  
Time to sort input: 3624040 nanoseconds.  
Lines: 16  
Time to read input: 2955285 nanoseconds.  
Time to sort input: 6343346 nanoseconds.  
Lines: 32

Time to read input: 3813539 nanoseconds.  
Time to sort input: 11376517 nanoseconds.  
Lines: 64  
Time to read input: 5343062 nanoseconds.  
Time to sort input: 29619276 nanoseconds.  
Lines: 128  
Time to read input: 9230122 nanoseconds.  
Time to sort input: 46018387 nanoseconds.  
Lines: 256  
Time to read input: 13242616 nanoseconds.  
Time to sort input: 69498227 nanoseconds.  
Lines: 512  
Time to read input: 17379982 nanoseconds.  
Time to sort input: 89759473 nanoseconds.  
Lines: 1024  
Time to read input: 14275868 nanoseconds.  
Time to sort input: 118646181 nanoseconds.  
Lines: 2048  
Time to read input: 21401958 nanoseconds.  
Time to sort input: 176854355 nanoseconds.  
Lines: 4096  
Time to read input: 17137752 nanoseconds.  
Time to sort input: 303509455 nanoseconds.  
Lines: 8192  
Time to read input: 31384190 nanoseconds.  
Time to sort input: 604603589 nanoseconds.  
Lines: 16384  
Time to read input: 52725592 nanoseconds.  
Time to sort input: 841556405 nanoseconds.  
Lines: 32768  
Time to read input: 103895616 nanoseconds.  
Time to sort input: 1250130435 nanoseconds.  
Lines: 65536  
Time to read input: 255891029 nanoseconds.  
Time to sort input: 2415467480 nanoseconds.  
Lines: 131072  
Time to read input: 394154645 nanoseconds.  
Time to sort input: 4918283231 nanoseconds.  
Lines: 262144  
Time to read input: 729255373 nanoseconds.  
Time to sort input: 9763016683 nanoseconds.  
Lines: 524288  
Time to read input: 1436464923 nanoseconds.  
Time to sort input: 21153690187 nanoseconds.  
Lines: 1048576  
Time to read input: 2881339351 nanoseconds.  
Time to sort input: 41648714937 nanoseconds.  
Lines: 2097152  
Time to read input: 6842724991 nanoseconds.  
Time to sort input: 90669016761 nanoseconds.  
Lines: 4194304  
Time to read input: 12310813838 nanoseconds.

Time to sort input: 188564597670 nanoseconds.

C

Lines: 1

Time to read input: 317039 nanoseconds.

Time to sort input: 1848 nanoseconds.

Lines: 2

Time to read input: 553227 nanoseconds.

Time to sort input: 1117290 nanoseconds.

Lines: 4

Time to read input: 685975 nanoseconds.

Time to sort input: 2057741 nanoseconds.

Lines: 8

Time to read input: 1377763 nanoseconds.

Time to sort input: 3605180 nanoseconds.

Lines: 16

Time to read input: 2109623 nanoseconds.

Time to sort input: 6725626 nanoseconds.

Lines: 32

Time to read input: 2890096 nanoseconds.

Time to sort input: 14111877 nanoseconds.

Lines: 64

Time to read input: 4082740 nanoseconds.

Time to sort input: 25120650 nanoseconds.

Lines: 128

Time to read input: 6161052 nanoseconds.

Time to sort input: 38780838 nanoseconds.

Lines: 256

Time to read input: 7651967 nanoseconds.

Time to sort input: 63823036 nanoseconds.

Lines: 512

Time to read input: 10116010 nanoseconds.

Time to sort input: 80021978 nanoseconds.

Lines: 1024

Time to read input: 14140308 nanoseconds.

Time to sort input: 120463639 nanoseconds.

Lines: 2048

Time to read input: 33885496 nanoseconds.

Time to sort input: 181155690 nanoseconds.

Lines: 4096

Time to read input: 18746309 nanoseconds.

Time to sort input: 308427449 nanoseconds.

Lines: 8192

Time to read input: 31441654 nanoseconds.

Time to sort input: 508146293 nanoseconds.

Lines: 16384

Time to read input: 54205332 nanoseconds.

Time to sort input: 927180212 nanoseconds.

Lines: 32768

Time to read input: 99964661 nanoseconds.

Time to sort input: 1365348246 nanoseconds.

Lines: 65536

Time to read input: 195465554 nanoseconds.  
Time to sort input: 2645514306 nanoseconds.  
Lines: 131072  
Time to read input: 376680804 nanoseconds.  
Time to sort input: 5182500345 nanoseconds.  
Lines: 262144  
Time to read input: 744597403 nanoseconds.  
Time to sort input: 10517413691 nanoseconds.  
Lines: 524288  
Time to read input: 1426398297 nanoseconds.  
Time to sort input: 21116408855 nanoseconds.  
Lines: 1048576  
Time to read input: 2872768325 nanoseconds.  
Time to sort input: 44312669724 nanoseconds.  
Lines: 2097152  
Time to read input: 5857346999 nanoseconds.  
Time to sort input: 93891889660 nanoseconds.  
Lines: 4194304  
Time to read input: 12330828280 nanoseconds.  
Time to sort input: 195859750143 nanoseconds.