

[illegible]

Test case : เรียงลำดับจากมากไปน้อยของทุก sort

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System.out.println("Scansort testing time....");
====++ Scan Sort (Descending) ++====
9614 999935638771 PKVYEACGIRDDIHIVSNQSTUDIINGBYZMVRFYAQWAXAYLZZDIGNMJN ,ZFBVYRDMWIEKAKSCVTSUPJSTQLAYSENVANVHHTSXHFCHOHPHPQFD
3351 999923652622 YNJEGBKMNXLQWTAXIFNHDZZBNFEHSJFRJPINSTYQSVWCFNZGYGL ,LBXLVPMQVNLSCCKWMYDAOSADKXZBAPTZZXCLPVPVRNAFEZJNDJWH
5837 999917776745 EZJEBKRJECUONVUNNHTUQOMRKUNITKCECFBJSVXXJFDOXOVCTIBW ,WREWLUSBZZLCFWAKJBHORDHDKQAIDRWIXEVZADKBVXDIVFKNVPC
9840 999751427723 IPXGNLCSWOSUBIOZCHVQKORTLZZYCYLQXEVZYGFBXLUISFSPDBW ,JUKSZWKCDZDPJNNRBDHCTQKUOMVKGNLUPQZSLHNCBBEYOWVQVQC
6760 999644798594 HZXYQOKKYVSYFWRDGVQESZSLBDSBAMZVQBHGCBJVLHXBEUTQUTLU ,GDWSLQHIAYOYSCGDYUWZQSIQCFZCKGIDOSRZKEMHEIGXXTALMFFYK
3587 999637438235 FEAZIBNEGHNTHQJMOZGDDQSSNVJIIWYACOHCCIWLIEIENICHDKTHBU ,BIVXBPFAXEADBZZXKJWJNQXLDZIFTHLKFIZNHEIDMAEJQZCXVET
5614 999572594287 LKXKMUCNCZRDIHFVITYIBBTUFWQUMHPRZWPQAZGKMGAGBBWYIKNYP ,KXINQMPRNIELUPZMHBDXYVBRGAKQYWBPTLKPWUUCFZPPVWVRFZJX
555 999566631984 QHQNMNDALDOCJYCEVMBYFYSVKCSFNUPNGICYKKEWSPCGQHKNXYG ,XGCVTTZVTFLOVCWKMMAMZIIWJPCWHDHFXFRXVUTBGYWMANKDIMMPDL
6643 999527766159 MCDUWUUVHVGEEENXNHJJVFXTMDGQXCYTIVFGCHCOREYBTHNNCPR ,XKNWIXJOYYARJFTNKKZUCHTQDNXTYFNDOXAYUCZKJFSKHSSVOOUB
2935 999463416692 OKVIBWGNFQSSAEHODDKHRYMXLLSLCFINEVRZIDGLMVKWXYTJZJIZ ,MMLAWCNMAVMCKUOWVEMTHCOIRFAPFGOBOWMYZTTHVLOPEDVSVAUC
End of Scansort testing.
Selectionsort testing time....
====++ Selection Sort (Descending) ++====
9614 999935638771 PKVYEACGIRDDIHIVSNQSTUDIINGBYZMVRFYAQWAXAYLZZDIGNMJN ,ZFBVYRDMWIEKAKSCVTSUPJSTQLAYSENVANVHHTSXHFCHOHPHPQFD
3351 999923652622 YNJEGBKMNXLQWTAXIFNHDZZBNFEHSJFRJPINSTYQSVWCFNZGYGL ,LBXLVPMQVNLSCCKWMYDAOSADKXZBAPTZZXCLPVPVRNAFEZJNDJWH
5837 999917776745 EZJEBKRJECUONVUNNHTUQOMRKUNITKCECFBJSVXXJFDOXOVCTIBW ,WREWLUSBZZLCFWAKJBHORDHDKQAIDRWIXEVZADKBVXDIVFKNVPC
9840 999751427723 IPXGNLCSWOSUBIOZCHVQKORTLZZYCYLQXEVZYGFBXLUISFSPDBW ,JUKSZWKCDZDPJNNRBDHCTQKUOMVKGNLUPQZSLHNCBBEYOWVQVQC
6760 999644798594 HZXYQOKKYVSYFWRDGVQESZSLBDSBAMZVQBHGCBJVLHXBEUTQUTLU ,GDWSLQHIAYOYSCGDYUWZQSIQCFZCKGIDOSRZKEMHEIGXXTALMFFYK
3587 999637438235 FEAZIBNEGHNTHQJMOZGDDQSSNVJIIWYACOHCCIWLIEIENICHDKTHBU ,BIVXBPFAXEADBZZXKJWJNQXLDZIFTHLKFIZNHEIDMAEJQZCXVET
5614 999572594287 LKXKMUCNCZRDIHFVITYIBBTUFWQUMHPRZWPQAZGKMGAGBBWYIKNYP ,KXINQMPRNIELUPZMHBDXYVBRGAKQYWBPTLKPWUUCFZPPVWVRFZJX
555 999566631984 QHQNMNDALDOCJYCEVMBYFYSVKCSFNUPNGICYKKEWSPCGQHKNXYG ,XGCVTTZVTFLOVCWKMMAMZIIWJPCWHDHFXFRXVUTBGYWMANKDIMMPDL
6643 999527766159 MCDUWUUVHVGEEENXNHJJVFXTMDGQXCYTIVFGCHCOREYBTHNNCPR ,XKNWIXJOYYARJFTNKKZUCHTQDNXTYFNDOXAYUCZKJFSKHSSVOOUB
2935 999463416692 OKVIBWGNFQSSAEHODDKHRYMXLLSLCFINEVRZIDGLMVKWXYTJZJIZ ,MMLAWCNMAVMCKUOWVEMTHCOIRFAPFGOBOWMYZTTHVLOPEDVSVAUC
End of Selectionsort testing.
Insertionsort testing time....
====++ Insertion Sort (Descending) ++====
9614 999935638771 PKVYEACGIRDDIHIVSNQSTUDIINGBYZMVRFYAQWAXAYLZZDIGNMJN ,ZFBVYRDMWIEKAKSCVTSUPJSTQLAYSENVANVHHTSXHFCHOHPHPQFD
3351 999923652622 YNJEGBKMNXLQWTAXIFNHDZZBNFEHSJFRJPINSTYQSVWCFNZGYGL ,LBXLVPMQVNLSCCKWMYDAOSADKXZBAPTZZXCLPVPVRNAFEZJNDJWH
5837 999917776745 EZJEBKRJECUONVUNNHTUQOMRKUNITKCECFBJSVXXJFDOXOVCTIBW ,WREWLUSBZZLCFWAKJBHORDHDKQAIDRWIXEVZADKBVXDIVFKNVPC
9840 999751427723 IPXGNLCSWOSUBIOZCHVQKORTLZZYCYLQXEVZYGFBXLUISFSPDBW ,JUKSZWKCDZDPJNNRBDHCTQKUOMVKGNLUPQZSLHNCBBEYOWVQVQC
6760 999644798594 HZXYQOKKYVSYFWRDGVQESZSLBDSBAMZVQBHGCBJVLHXBEUTQUTLU ,GDWSLQHIAYOYSCGDYUWZQSIQCFZCKGIDOSRZKEMHEIGXXTALMFFYK
3587 999637438235 FEAZIBNEGHNTHQJMOZGDDQSSNVJIIWYACOHCCIWLIEIENICHDKTHBU ,BIVXBPFAXEADBZZXKJWJNQXLDZIFTHLKFIZNHEIDMAEJQZCXVET
5614 999572594287 LKXKMUCNCZRDIHFVITYIBBTUFWQUMHPRZWPQAZGKMGAGBBWYIKNYP ,KXINQMPRNIELUPZMHBDXYVBRGAKQYWBPTLKPWUUCFZPPVWVRFZJX
555 999566631984 QHQNMNDALDOCJYCEVMBYFYSVKCSFNUPNGICYKKEWSPCGQHKNXYG ,XGCVTTZVTFLOVCWKMMAMZIIWJPCWHDHFXFRXVUTBGYWMANKDIMMPDL
6643 999527766159 MCDUWUUVHVGEEENXNHJJVFXTMDGQXCYTIVFGCHCOREYBTHNNCPR ,XKNWIXJOYYARJFTNKKZUCHTQDNXTYFNDOXAYUCZKJFSKHSSVOOUB
2935 999463416692 OKVIBWGNFQSSAEHODDKHRYMXLLSLCFINEVRZIDGLMVKWXYTJZJIZ ,MMLAWCNMAVMCKUOWVEMTHCOIRFAPFGOBOWMYZTTHVLOPEDVSVAUC
End of Insertionsort testing.
Bubblesort testing time....
====++ Bubble Sort (Descending) ++====
9614 999935638771 PKVYEACGIRDDIHIVSNQSTUDIINGBYZMVRFYAQWAXAYLZZDIGNMJN ,ZFBVYRDMWIEKAKSCVTSUPJSTQLAYSENVANVHHTSXHFCHOHPHPQFD
3351 999923652622 YNJEGBKMNXLQWTAXIFNHDZZBNFEHSJFRJPINSTYQSVWCFNZGYGL ,LBXLVPMQVNLSCCKWMYDAOSADKXZBAPTZZXCLPVPVRNAFEZJNDJWH
5837 999917776745 EZJEBKRJECUONVUNNHTUQOMRKUNITKCECFBJSVXXJFDOXOVCTIBW ,WREWLUSBZZLCFWAKJBHORDHDKQAIDRWIXEVZADKBVXDIVFKNVPC
9840 999751427723 IPXGNLCSWOSUBIOZCHVQKORTLZZYCYLQXEVZYGFBXLUISFSPDBW ,JUKSZWKCDZDPJNNRBDHCTQKUOMVKGNLUPQZSLHNCBBEYOWVQVQC
6760 999644798594 HZXYQOKKYVSYFWRDGVQESZSLBDSBAMZVQBHGCBJVLHXBEUTQUTLU ,GDWSLQHIAYOYSCGDYUWZQSIQCFZCKGIDOSRZKEMHEIGXXTALMFFYK
3587 999637438235 FEAZIBNEGHNTHQJMOZGDDQSSNVJIIWYACOHCCIWLIEIENICHDKTHBU ,BIVXBPFAXEADBZZXKJWJNQXLDZIFTHLKFIZNHEIDMAEJQZCXVET
5614 999572594287 LKXKMUCNCZRDIHFVITYIBBTUFWQUMHPRZWPQAZGKMGAGBBWYIKNYP ,KXINQMPRNIELUPZMHBDXYVBRGAKQYWBPTLKPWUUCFZPPVWVRFZJX
555 999566631984 QHQNMNDALDOCJYCEVMBYFYSVKCSFNUPNGICYKKEWSPCGQHKNXYG ,XGCVTTZVTFLOVCWKMMAMZIIWJPCWHDHFXFRXVUTBGYWMANKDIMMPDL
6643 999527766159 MCDUWUUVHVGEEENXNHJJVFXTMDGQXCYTIVFGCHCOREYBTHNNCPR ,XKNWIXJOYYARJFTNKKZUCHTQDNXTYFNDOXAYUCZKJFSKHSSVOOUB
2935 999463416692 OKVIBWGNFQSSAEHODDKHRYMXLLSLCFINEVRZIDGLMVKWXYTJZJIZ ,MMLAWCNMAVMCKUOWVEMTHCOIRFAPFGOBOWMYZTTHVLOPEDVSVAUC
End of Bubblesort testing.
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Made By Sorathorn Kaewchotchuanukul 63070501067 CPeregular