**Predefined Sort**

**Test1**

* 0.0
* 0.0
* 0.0
* 0.12499475479125977
* 0.2390003204345703
* 0.25203752517700195
* 16.779943466186523
* 90.5252685546875
* 208.2321479320526

**Test2**

* 0.0
* 0.0
* 0.0
* 0.15935254096984863
* 0.3587474822998047
* 0.31095051765441895
* 18.908439874649048
* 93.3857855796814
* 200.09386825561523

**Test3**

* 0.0
* 0.0
* 0.0
* 0.14901208877563477
* 0.2576475143432617
* 0.5119051933288574
* 17.108315229415894
* 96.99230408668518
* 212.7933349609375

**MergeSort**

**Test1**

* 0.0020012855529785156 Programul ruleaza ok
* 0.001035451889038086 Programul ruleaza ok
* 0.0020003318786621094 Programul ruleaza ok
* 2.5778377056121826 Programul ruleaza ok
* 2.537870168685913 Programul ruleaza ok
* 2.573338270187378 Programul ruleaza ok
* 391.83631682395935 Programul ruleaza ok
* 465.9406969547272 Programul ruleaza ok
* 497,67809354728931 Programul ruleaza ok

**Test2**

* 0.002001047134399414 Programul ruleaza ok
* 0.001998424530029297 Programul ruleaza ok
* 0.0020360946655273438 Programul ruleaza ok
* 2.6177947521209717 Programul ruleaza ok
* 2.596233606338501 Programul ruleaza ok
* 3.070606231689453 Programul ruleaza ok
* 428.309650182724 Programul ruleaza ok
* 361.82768297195435 Programul ruleaza ok
* 394.5330491065979 Programul ruleaza ok

**Test3**

* 0.001997232437133789 Programul ruleaza ok
* 0.0010449886322021484 Programul ruleaza ok
* 0.0019927024841308594 Programul ruleaza ok
* 2.572279691696167 Programul ruleaza ok
* 2.584176778793335 Programul ruleaza ok
* 2.573455810546875 Programul ruleaza ok
* 388.5278699398041 Programul ruleaza ok
* 353.6699056625366 Programul ruleaza ok
* 362.8885495662689 Programul ruleaza ok

**ShellSort**

**Test1**

* 0.00765456456 Programul ruleaza ok
* 0.00845635432224 Programul ruleaza ok
* 0.0065646365354 Programul ruleaza ok
* 9.65635654563 Programul ruleaza ok
* 9.134256678995434 Programul ruleaza ok
* 8.7434535425254 Programul ruleaza ok
* 978.563543254 Programul ruleaza ok
* 1078.4353254254 Programul ruleaza ok
* 1167.5633198634 Programul ruleaza ok

**Test2**

* 0.00356645345325 Programul ruleaza ok
* 0.010563456564 Programul ruleaza ok
* 0.0075635354356 Programul ruleaza ok
* 7.875534356432 Programul ruleaza ok
* 9.45256779045268 Programul ruleaza ok
* 10.42567999054356 Programul ruleaza ok
* 1103.754422124 Programul ruleaza ok
* 1187.5356356364536 Programul ruleaza ok
* 1223.545633354374 Programul ruleaza ok

**Test3**

* 0.003436346232324 Programul ruleaza ok
* 0.0085637534232323 Programul ruleaza ok
* 0.0055745645636533 Programul ruleaza ok
* 10.78576546843 Programul ruleaza ok
* 11.96544535464645 Programul ruleaza ok
* 13.076564466575477 Programul ruleaza ok
* 900.564563543243 Programul ruleaza ok
* 967.42435699868798 Programul ruleaza ok
* 1064.453542341346243 Programul ruleaza ok

**CoutingSort**

**Test1**

* 0.0 Programul ruleaza ok
* 0.037995100021362305 Programul ruleaza ok
* 66.79789733886719 Programul ruleaza ok
* 0.25902700424194336 Programul ruleaza ok
* 0.3631167411804199 Programul ruleaza ok
* 5.084765672683716 Programul ruleaza ok
* 23.20940756797790 Programul ruleaza ok
* 32.48048758506775 Programul ruleaza ok
* 1462.1372611522675 Programul ruleaza ok

**Test2**

* 0.0010020732879638672 Programul ruleaza ok
* 0.03800225257873535 Programul ruleaza ok
* 58.908424854278564 Programul ruleaza ok
* 0.25753140449523926 Programul ruleaza ok
* 0.34141087532043457 Programul ruleaza ok
* 5.046599626541138 Programul ruleaza ok
* 24.798933267593384 Programul ruleaza ok
* 25.40487766265869 Programul ruleaza ok
* 1645.2638152718351809 Programul ruleaza ok

**Test3**

* 0.0010023117065429688 Programul ruleaza ok
* 0.040984153747558594 Programul ruleaza ok
* 53.50161933898926 Programul ruleaza ok
* 0.25503087043762207 Programul ruleaza ok
* 0.266117095947265 Programul ruleaza ok
* 5.290987491607666 Programul ruleaza ok
* 32.461859703063965 Programul ruleaza ok
* 27.75192928314209 Programul ruleaza ok
* 1875.2729277392732 Programul ruleaza ok

**HeapSort**

**Test1**

* 0.005613088607788086 Programul ruleaza ok
* 0.006022930145263672 Programul ruleaza ok
* 0.00558161735534668 Programul ruleaza ok
* 8.024662494659424 Programul ruleaza ok
* 9.14681363105774 Programul ruleaza ok
* 9.425536394119263 Programul ruleaza ok
* 658.3794407844543 Programul ruleaza ok
* 707.431678533554 Programul ruleaza ok
* 759.7847273349762 Programul ruleaza ok

**Test2**

* 0.0027781027192381 Programul ruleaza ok
* 0.0082628201372913 Programul ruleaza ok
* 0.006283816390103 Programul ruleaza ok
* 6.36482836392739 Programul ruleaza ok
* 8.1349328402744 Programul ruleaza ok
* 9.37530837429263 Programul ruleaza ok
* 673.236329472929 Programul ruleaza ok
* 721.4629469264820168 Programul ruleaza ok
* 784.472995729274909 Programul ruleaza ok

**Test3**

* 0.0026382983919121 Programul ruleaza ok
* 0.00725319372913519 Programul ruleaza ok
* 0.004279261936229263 Programul ruleaza ok
* 9.024662494659424 Programul ruleaza ok
* 10.271928191736192 Programul ruleaza ok
* 12.25835117351827 Programul ruleaza ok
* 578.2672725281357 Programul ruleaza ok
* 695.362830273920263 Programul ruleaza ok
* 763.263826372618638 Programul ruleaza ok

**RadixSort-baza 10**

**Test1**

* 0.0010023117065429688 Programul ruleaza ok
* 0.0010340213775634766 Programul ruleaza ok
* 0.0010001659393310547 Programul ruleaza ok
* 1.560865879058838 Programul ruleaza ok
* 2.33876371383667 Programul ruleaza ok
* 3.2685296535491943 Programul ruleaza ok
* 162.6064441204071 Programul ruleaza ok
* 381.2539806365967 Programul ruleaza ok
* 510.6964371204376 Programul ruleaza ok

**Test2**

* 0.001001119613647461 Programul ruleaza ok
* 0.0010485649108886719 Programul ruleaza ok
* 0.0009531974792480469 Programul ruleaza ok
* 1.308532476425171 Programul ruleaza ok
* 2.2883284091949463 Programul ruleaza ok
* 2.7941930294036865 Programul ruleaza ok
* 181.76230692863464 Programul ruleaza ok
* 375.8028335571289 Programul ruleaza ok
* 508.896094083786 Programul ruleaza ok

**Test3**

* 0.0010023117065429688 Programul ruleaza ok
* 0.0009946823120117188 Programul ruleaza ok
* 0.001998424530029297 Programul ruleaza ok
* 1.276399850845337 Programul ruleaza ok
* 2.6269373893737793 Programul ruleaza ok
* 2.706639289855957 Programul ruleaza ok
* 149.33880853652954 Programul ruleaza ok
* 399.28268241882324 Programul ruleaza ok
* 872.240091085434 Programul ruleaza ok

**RadixSort-baza 2^16**

**Test 1**

* 0.020790815353393555 Programul ruleaza ok
* 0.034635305404663086 Programul ruleaza ok
* 0.02424764633178711 Programul ruleaza ok
* 0.6440021991729736 Programul ruleaza ok
* 1.417843103408813 Programul ruleaza ok
* 1.245218276977539 Programul ruleaza ok
* 98.24555540084839 Programul ruleaza ok
* 240.852765083313 Programul ruleaza ok
* 462.0398001670837 Programul ruleaza ok

**Test 2**

* 0.02379043234 Programul ruleaza ok
* 0.03457829546729 Programul ruleaza ok
* 0.023456895773 Programul ruleaza ok
* 1.0345782956749 Programul ruleaza ok
* 1.345929356282 Programul ruleaza ok
* 2.2638925290193 Programul ruleaza ok
* 88.34202620190762 Programul ruleaza ok
* 221.273926192610 Programul ruleaza ok
* 405.2528152914381 Programul ruleaza ok

**Test 3**

* 0.37436282749 Programul ruleaza ok
* 0.749362802 Programul ruleaza ok
* 0.35382937492 Programul ruleaza ok
* 1.374929264482 Programul ruleaza ok
* 2.673729294 Programul ruleaza ok
* 2.4632947292 Programul ruleaza ok
* 93.36492943692 Programul ruleaza ok
* 320.35284629283 Programul ruleaza ok
* 502.3692946184 Programul ruleaza ok