

| Metabolite    | N1          | N2  | N3          | N4   | N5          | P1  | P2  |
|---------------|-------------|-----|-------------|------|-------------|-----|-----|
| P4            | P5          | A1  | A2          | A3   | A4          | A5  | A6  |
| A7            | A8          | A9  | In1         | In2  | In3         | In4 | In5 |
| In6           | In7         | In8 | In9         | In10 |             |     |     |
| 7.74_292.1026 | 60844.80138 |     | 753137.8761 |      | 105585.936  |     |     |
| 129302.6786   | 173332.0568 |     | 307264.9717 |      | 30348.32135 |     |     |
| 20997.10983   | 17842.68458 |     | 10404.49979 |      | 35426.74846 |     |     |
| 32468.70989   | 59118.69148 |     | 124551.1508 |      | 16331.79833 |     |     |
| 23333.70564   | 24376.49665 |     | 20241.38027 |      | 10886.29953 |     |     |
| 4451.238564   | 91431.76978 |     | 33793.90617 |      | 13285.74048 |     |     |
| 42082.37701   | 11631.99247 |     | 43929.09953 |      | 4329.001509 |     |     |
| 49469.25045   |             |     |             |      |             |     |     |
| 7.03_132.0768 | 2093827.766 |     | 1623271.846 |      | 2305187.612 |     |     |
| 1286301.886   | 3942783.646 |     | 1551782.263 |      | 772520.1464 |     |     |
| 1748891.706   | 559880.3376 |     | 1436709.538 |      | 2396801.02  |     |     |
| 1469231.585   | 1934972.077 |     | 1128722.16  |      | 2734999.378 |     |     |
| 2391996.158   | 3386461.175 |     | 3841305.663 |      | 5398743.546 |     |     |
| 3276327.428   | 1768014.638 |     | 3474069.029 |      | 1347446.571 |     |     |
| 1871346.079   | 1470846.234 |     | 1405518.684 |      | 1674558.796 |     |     |
| 1562656.59    |             |     |             |      |             |     |     |
| 6.83_436.1217 | 76232.25715 |     | 1452762.144 |      | 66410.77504 |     |     |
| 116000.5252   | 206008.5751 |     | 108166.9524 |      | 156956.4209 |     |     |
| 649070.4998   | 386884.0225 |     | 2374.65924  |      | 51801.99573 |     |     |
| 280624.8903   | 92828.05988 |     | 24821.72528 |      | 90374.877   |     |     |
| 353155.32     | 241218.5823 |     | 172534.7934 |      | 55649.27301 |     |     |
| 7982.426107   | 98326.18417 |     | 371350.8046 |      | 117187.64   |     |     |
| 19918.68422   | 260101.0719 |     | 101583.8319 |      | 110805.2887 |     |     |
| 79019.95704   |             |     |             |      |             |     |     |
| 4.91_208.116  | 740994.5946 |     | 600815.116  |      | 661113.0437 |     |     |
| 666932.0733   | 832658.6202 |     | 540188.2043 |      | 727953.2106 |     |     |
| 663557.2161   | 750621.1187 |     | 718354.8334 |      | 732310.547  |     |     |
| 647484.4966   | 582458.6034 |     | 752435.3565 |      | 700315.1302 |     |     |
| 597162.5014   | 798141.2485 |     | 870787.7328 |      | 963799.1114 |     |     |
| 709997.3637   | 1413937.646 |     | 626686.3311 |      | 832908.2834 |     |     |
| 761074.6768   | 804049.4233 |     | 767837.0401 |      | 691572.9289 |     |     |
| 740598.3765   |             |     |             |      |             |     |     |
| 6.82_213.1234 | 1004411.513 |     | 446938.7746 |      | 1847853.154 |     |     |
| 7989818.998   | 6476892.178 |     | 2497361.988 |      | 3730372.307 |     |     |
| 353251.6671   | 2077559.444 |     | 307998.3225 |      | 1391407.913 |     |     |
| 1668766.475   | 851330.2744 |     | 1254282.386 |      | 11924070.23 |     |     |
| 1505688.45    | 1842819.075 |     | 6233527.874 |      | 7752331.123 |     |     |
| 2077179.096   | 897598.4109 |     | 4960733.154 |      | 2496780.119 |     |     |
| 823266.4526   | 3176702.79  |     | 1386161.109 |      | 3245866.662 |     |     |
| 911479.1558   |             |     |             |      |             |     |     |
| 9.48_133.0972 | 622714.7898 |     | 234387.475  |      | 347885.1505 |     |     |
| 616436.1369   | 815364.3272 |     | 687914.8072 |      | 800005.3054 |     |     |
| 144033.6608   | 383619.399  |     | 276369.4942 |      | 535027.9231 |     |     |
| 903601.6401   | 594464.446  |     | 794959.5495 |      | 958238.6153 |     |     |
| 756657.8775   | 553594.4405 |     | 955437.1618 |      | 834439.4981 |     |     |
| 424078.8102   | 1172974.775 |     | 1508009.206 |      | 666072.0422 |     |     |

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| 289981.1253   | 780115.1405 | 629155.9145 | 985790.1742 |
| 671861.129    |             |             |             |
| 8.03_406.132  | 6293486.006 | 3985058.555 | 4577133.923 |
| 3699880.987   | 2257924.213 | 3575839.119 | 1956443.647 |
| 1571955.867   | 454607.7154 | 562838.6061 | 2870055.422 |
| 2137416.467   | 5342027.479 | 2276690.019 | 4330886.09  |
| 12845016.71   | 4115338.381 | 3338944.858 | 3663203.522 |
| 431930.3317   | 2863734.348 | 6538886.883 | 3189797.663 |
| 1010527.559   | 1483441.699 | 4217384.646 | 3688524.515 |
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| 9.38_147.1128 | 756076.0442 | 544467.3201 | 1840422.938 |
| 2014947.139   | 1375720.44  | 781603.1872 | 1417143.809 |
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| 2058807.717   | 702317.8682 | 1289491.945 | 1944998.144 |
| 1137090.564   | 1726671.635 | 2628633.888 | 1945822.986 |
| 840956.926    | 1824341.708 | 917021.3158 | 624032.0333 |
| 530555.3985   | 1003877.243 | 813604.9915 | 1712815.859 |
| 828718.844    |             |             |             |
| 7.57_314.0846 | 71724.68523 | 58546.50291 | 251533.767  |
| 1627724.883   | 78636.73491 | 72682.00086 | 15294.92562 |
| 37700.85098   | 47280.68419 | 41116.26485 | 50451.79314 |
| 251073.3466   | 69336.53973 | 204884.7399 | 58434.91258 |
| 37584.24586   | 32709.60486 | 45821.2035  | 36636.56024 |
| 19718.93588   | 67111.12072 | 31702.58721 | 24161.71037 |
| 23002.51953   | 44335.44878 | 35465.19644 | 9625.707669 |
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| 8.16_176.1031 | 1542978.276 | 181101.8824 | 638200.5959 |
| 2774282.429   | 2196279.516 | 964231.8285 | 1152991.403 |
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| 1222874.442   | 1316437.58  | 1030000.13  | 2008961.121 |
| 1349793.629   | 1803922.782 | 2537763.97  | 3792002.317 |
| 961477.0917   | 644672.9768 | 2331535.983 | 592871.7592 |
| 486642.5806   | 2717797.538 | 697030.3437 | 1776608.696 |
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| 7.31_270.1448 | 235109.5661 | 96075.53411 | 426663.9398 |
| 3298017.966   | 855753.046  | 687646.7678 | 1601531.64  |
| 491794.5474   | 1102521.865 | 68630.62879 | 294907.6065 |
| 1055228.523   | 174183.3367 | 298767.6383 | 1062516.091 |
| 380359.1478   | 770427.2313 | 8221479.503 | 3158346.377 |
| 246673.5763   | 307470.6663 | 1344349.564 | 386925.6099 |
| 234402.7419   | 1532221.497 | 587576.5313 | 1620716.208 |
| 239505.9827   |             |             |             |
| 3.18_137.0459 | 1450971.574 | 219202.3202 | 356506.0682 |
| 295244.3174   | 381762.286  | 813646.6296 | 459970.3361 |
| 1068766.519   | 764496.8858 | 877618.2997 | 598275.2473 |
| 1137923.861   | 1276147.185 | 966275.5781 | 408910.8673 |
| 1102839.704   | 481918.1438 | 427717.2601 | 1027334.467 |
| 1052350.12    | 342695.0961 | 363095.5326 | 243483.4446 |
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| 7.83_169.0584  | 140250.3461 | 61101.27747 | 132265.7012 |
| 145761.6829    | 260761.4501 | 115622.127  | 156040.0523 |
| 177826.3335    | 263877.5996 | 86459.93233 | 138779.0826 |
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| 95522.28377    | 172391.6396 | 146846.6418 | 175570.9826 |
| 173576.6546    | 138133.0151 | 181867.7163 | 75680.21888 |
| 162632.8734    | 181104.2602 | 81635.68742 | 122865.2672 |
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| 6.86_324.1289  | 40341.00861 | 238237.322  | 44802.00408 |
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| 142812.5408    | 227795.9527 | 127082.8386 | 340424.4811 |
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| 84313.89605    | 134437.6405 | 85237.39038 | 289548.575  |
| 37773.56742    | 129135.4653 | 78233.77471 | 196697.4911 |
| 107727.3522    | 259644.9604 | 56300.97618 | 68760.3139  |
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| 223112.1947    | 5787.675341 | 7520.455092 | 44914.57184 |
| 3374.470472    | 1688.328877 | 6090.911416 | 58028.78881 |
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| 2986.617493    | 38644.84466 | 215018.7939 | 296773.1381 |
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| 4.27_455.1885  | 127695.0773 | 189949.1674 | 332144.6075 |
| 160511.7622    | 18752.66489 | 200559.2961 | 886647.027  |
| 871381.7578    | 1249426.669 | 1384.604023 | 13172.63144 |
| 488671.1391    | 101579.2735 | 246760.5181 | 14427.0686  |
| 48616.11925    | 58787.51741 | 111046.1811 | 56256.81822 |
| 3231.788014    | 37054.05269 | 158678.5091 | 31574.78981 |
| 13052.45211    | 430115.7031 | 68887.54039 | 590824.5862 |
| 17218.66316    |             |             |             |
| 1.33_225.1486  | 24028.02958 | 26587.00241 | 493305.2049 |
| 321486.2091    | 29073.97757 | 30787.67648 | 76440.68528 |
| 26159.20484    | 15872.02011 | 29178.37498 | 91675.33327 |
| 20110.75516    | 23348.88189 | 28302.20546 | 572230.7152 |
| 195818.0568    | 454651.0162 | 44473.722   | 57951.70954 |
| 13281.66874    | 27627.70014 | 144675.3468 | 246430.9575 |
| 21697.873      | 80309.84822 | 282067.3039 | 333690.2834 |
| 23192.61738    |             |             |             |
| 10.98_517.2445 | 3054127.436 | 934537.6195 | 404105.2725 |
| 2222029.414    | 5748463.892 | 3367253.816 | 1571177.539 |
| 8404.319017    | 11226.65036 | 6103184.55  | 3406765.654 |
| 2379021.353    | 2975595.166 | 4859300.04  | 12156170.08 |
| 4753897.031    | 3139543.155 | 618330.1331 | 5016129.518 |
| 1196142.13     | 2105072.271 | 365737.5908 | 2228628.836 |
| 2351096.387    | 1079689.54  | 7417022.56  | 2629620.094 |
| 1222729.586    |             |             |             |
| 1.31_198.1853  | 102669.687  | 160927.4093 | 54884.87934 |
| 53483.62141    | 139170.5308 | 94580.89954 | 88457.62753 |

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| 97546.36499   | 85237.53983 | 92534.19608 | 60308.61751 |
| 74412.87162   | 78019.38688 | 78054.301   | 55319.64447 |
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| 75081.39105   | 79863.92215 | 70828.15891 | 64302.87345 |
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| 1.69_220.118  | 2071.187699 | 1503.962483 | 237763.2613 |
| 140042.9367   | 2135.961562 | 3518.656539 | 30489.03719 |
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| 1877.360189   | 2342.966815 | 3745.181604 | 272628.4619 |
| 96089.48859   | 178900.9434 | 7798.405738 | 6372.789032 |
| 73.05696401   | 5738.575393 | 35028.1458  | 116514.9102 |
| 2275.708858   | 26325.3347  | 143861.2349 | 157657.5855 |
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| 7.18_213.0595 | 55997.17018 | 20024.81997 | 43448.2616  |
| 80293.35044   | 154996.2869 | 24758.87056 | 111696.9001 |
| 163875.5487   | 268558.836  | 7343.124886 | 60149.32022 |
| 143623.06     | 52418.93795 | 33211.44111 | 55682.09302 |
| 39221.64124   | 234958.2192 | 250898.6215 | 86180.21641 |
| 15041.28985   | 188195.6132 | 426218.1904 | 83966.42427 |
| 9458.788334   | 114864.4373 | 48601.86101 | 150410.445  |
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| 1.28_420.259  | 150021.518  | 124535.2422 | 2114915.868 |
| 1568588.084   | 170102.7044 | 131819.4143 | 318713.84   |
| 136160.9051   | 132710.9873 | 152644.6381 | 438959.9018 |
| 112237.5623   | 146577.2494 | 229309.7352 | 1981140.921 |
| 936554.3258   | 2196775.628 | 169124.5973 | 290955.0975 |
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| 150571.6525   | 409498.1223 | 1231164.11  | 1301568.935 |
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| 1.30_346.2587 | 19152.65381 | 15657.24473 | 741277.8486 |
| 548664.1242   | 21773.13423 | 24000.0067  | 92134.31898 |
| 33588.84852   | 18564.76198 | 28214.83359 | 126622.6746 |
| 17753.39467   | 19491.47774 | 34674.19691 | 815201.686  |
| 304833.6967   | 766530.8036 | 180542.7362 | 63420.55081 |
| 16583.85863   | 26904.86662 | 251767.3926 | 368059.8595 |
| 23871.68117   | 122236.6033 | 432822.5688 | 490174.0715 |
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| 1.38_215.1279 | 84218.17631 | 82423.23194 | 1235665.088 |
| 828796.6951   | 132266.5555 | 79341.59334 | 216125.1108 |
| 66995.46482   | 62545.41218 | 94310.22489 | 269402.6684 |
| 63764.98949   | 81814.13522 | 80031.2683  | 1351178.659 |
| 508784.5634   | 1261616.383 | 92045.7175  | 145040.2117 |
| 54557.8044    | 108472.1929 | 346296.6578 | 684450.5505 |
| 78430.42104   | 211181.8326 | 778988.3609 | 849541.3055 |
| 75043.27653   |             |             |             |
| 8.35_535.2513 | 304061.3517 | 149764.7463 | 138250.8544 |
| 665038.8838   | 528882.5707 | 156794.4258 | 157357.4997 |
| 165.14949     | 36997.84364 | 511615.2475 | 257423.2954 |
| 137421.3236   | 240327.3401 | 663470.0599 | 1590615.271 |

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| 134717.1227   | 446101.8566 | 411151.3709 | 1152957.761 |
| 189966.2382   | 299456.7168 | 313811.9611 | 461576.6316 |
| 548585.2409   | 61604.15255 | 863964.3812 | 800705.8088 |
| 291598.4048   |             |             |             |
| 7.33_658.3172 | 9908.217108 | 1045.535898 | 23568.85559 |
| 2048776.012   | 240237.5213 | 113492.3627 | 599954.6253 |
| 49288.26542   | 539159.23   | 740.8853689 | 19103.12505 |
| 242567.7182   | 3009.132472 | 46253.71479 | 253062.7305 |
| 34864.29689   | 131204.4853 | 6121405.184 | 707731.9571 |
| 4605.818293   | 27324.10896 | 215247.0051 | 67439.65818 |
| 11227.30484   | 609090.9162 | 52129.68967 | 479330.1957 |
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| 1.39_157.086  | 38016.24233 | 28453.19388 | 619231.2469 |
| 399040.7196   | 58515.2535  | 31274.94731 | 93633.39112 |
| 30455.99907   | 26128.36924 | 38214.16681 | 120412.001  |
| 26835.47702   | 37994.86908 | 39006.66971 | 579799.6022 |
| 240692.6714   | 652657.1826 | 39242.26861 | 70139.87059 |
| 20705.00324   | 47700.50342 | 170226.6742 | 321967.9369 |
| 36332.20858   | 105698.6418 | 348995.0859 | 400816.2403 |
| 33316.16255   |             |             |             |
| 7.33_524.2353 | 338215.1565 | 42045.99698 | 140430.9718 |
| 349860.0314   | 818348.548  | 274804.1327 | 149965.2359 |
| 5366.962364   | 30882.85101 | 413231.027  | 174923.6453 |
| 246351.96     | 285319.7815 | 411627.3179 | 1298619.745 |
| 759425.4942   | 259462.6265 | 86449.43161 | 1229132.627 |
| 237885.1602   | 419558.4128 | 101076.5131 | 439707.2994 |
| 456223.2162   | 805910.1418 | 463383.8658 | 455869.0665 |
| 400977.1643   |             |             |             |
| 1.84_100.0758 | 8638526.99  | 11788589.17 | 11577260.12 |
| 22189989.05   | 26696579.05 | 12308595.42 | 10894731.9  |
| 18128749.8    | 18992375.25 | 7927658.986 | 5991328.366 |
| 17358342.53   | 7840638.889 | 5018039.014 | 22036253.31 |
| 10406714.57   | 14882799.96 | 31666259.71 | 16535863.98 |
| 3086609.761   | 19004138.54 | 57343987.34 | 14744989.13 |
| 7175397.079   | 25019043.17 | 10156587.22 | 29764409.06 |
| 15614777.92   |             |             |             |
| 7.75_345.1768 | 34058.31967 | 9359.254498 | 118066.7577 |
| 545596.0804   | 186408.2834 | 111536.9687 | 463902.2986 |
| 10136.95045   | 164616.9712 | 55383.40229 | 195340.9149 |
| 53131.93379   | 19119.20023 | 38419.82708 | 277332.4386 |
| 43788.75643   | 48780.44757 | 461997.2842 | 377666.3103 |
| 26845.29863   | 14961.03896 | 762431.7042 | 45946.70823 |
| 26997.947     | 154817.2053 | 153127.8889 | 400881.3584 |
| 51074.89192   |             |             |             |
| 1.28_318.1911 | 290863.5352 | 270365.323  | 5985205.491 |
| 3918848.605   | 337801.344  | 239217.1995 | 785128.2309 |
| 275786.3859   | 270703.584  | 309271.3935 | 1202283.606 |
| 230008.7305   | 300166.9271 | 302085.4685 | 6254031.942 |
| 2677894.64    | 5430757.291 | 316960.6083 | 534268.3582 |
| 236805.5097   | 467299.1405 | 1763741.544 | 2932817.892 |

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| 281995.3624   | 859408.979  | 3754824.318 | 4075734.419 |
| 269686.28     |             |             |             |
| 7.32_296.1242 | 57297.28294 | 6182.742004 | 28002.69399 |
| 79486.5828    | 140283.9718 | 57624.08609 | 42035.89203 |
| 12992.33157   | 19469.78623 | 45091.2042  | 21084.86042 |
| 48231.06865   | 44625.91822 | 71045.85237 | 187520.3918 |
| 64972.75234   | 48603.06817 | 26480.51618 | 339285.1984 |
| 61505.02741   | 43564.16749 | 51996.59691 | 36009.99847 |
| 45986.54335   | 234938.0648 | 75563.97624 | 111019.0536 |
| 45789.59321   |             |             |             |
| 1.31_226.1802 | 1234882.995 | 1881544.718 | 575557.9971 |
| 571718.1935   | 1609596.338 | 1171326.745 | 1055594.119 |
| 1188041.968   | 988686.6002 | 1154229.501 | 721695.5726 |
| 887620.4973   | 909787.7606 | 988158.4649 | 570666.0108 |
| 813483.6496   | 493343.1473 | 866542.6892 | 1031815.215 |
| 667760.4392   | 1316644.825 | 967263.1565 | 810812.8931 |
| 882357.8075   | 891810.154  | 781862.6594 | 761910.8732 |
| 797470.1616   |             |             |             |
| 3.06_121.0648 | 7688.766302 | 4475919.545 | 286089.3786 |
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| 503180.3185    | 192482.5158 | 662989.4892 | 1697288.132 |             |
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| 236844.1058    | 79324.72006 | 204198.6326 | 988670.8639 |
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| 179323.5885   | 53482.91138 | 107460.1007 | 194551.3467 |
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| 27.40_537.5354 | 2641134.038 | 2977024.01  | 2690976.591         |
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| 56192.46159    | 30310.05721 | 50786.31301 | 50277.13195 |
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| 66335.17133    | 39571.18452 | 175450.3033 | 70388.2908  |
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| 306727.2025    | 97600.53841 | 55501.89598 | 233024.8956 |
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| 128799.89      | 226452.3805 | 251514.664  | 329580.5372 |
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| 567180.7289   | 521332.4349 | 399069.6472 | 228556.0209 |
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| 7732.316399    | 5989.578339 | 3375.103862 | 21848.76189 |             |
| 20644.96643    | 29746.9682  | 54590.93877 | 6022.005338 |             |
| 6302.736942    | 8509.136083 | 3008.549573 | 11844.16877 |             |
| 2569.27587     | 5823.98338  | 23111.05105 | 1154.862449 |             |
| 16485203.82    | 39522.40058 | 5880.0509   | 3824.01074  |             |
| 2026.6485      | 1576.575164 | 345147.5384 | 6186.164729 |             |
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| 10.41_524.2709 | 396181.8732 | 71519.88696 | 43903.76764 |             |
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| 100387.1778    | 342766.7921 | 153042.2508 | 1764020.389 |             |
| 325929.2942    | 490952.3469 | 4189.3333   | 71996.87496 |             |
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| 175055.284     | 63288.77202 | 194056.913  | 55114.70792 |             |
| 51918.52968    |             |             |             |             |
| 1.93_344.2278  | 127886.3091 | 237379.9483 | 1708598.725 |             |
| 39552.20858    | 61458.11697 | 212599.5106 | 81952.58418 |             |
| 4887400.851    | 642205.8473 | 309177.1146 | 64335.39553 |             |
| 201517.5827    | 219932.6941 | 183571.3035 | 308411.8944 |             |
| 922848.8651    | 61064.28225 | 251657.574  | 1374135.083 |             |
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| 30951.0431     | 31045.89495 | 28931.24808 | 927901.7901 |             |
| 305145.6595    | 735683.405  | 60472.58706 | 66111.30418 |             |
| 14451.50806    | 33502.74661 | 231461.3923 | 355021.7101 |             |
| 27147.5854     | 119341.5106 | 464546.1884 | 532165.5218 |             |
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| 290541.1411    | 528102.9791 | 1377882.573 | 580077.3471 |             |
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| 422392.9893    | 1014570.714 | 862619.3103 | 554808.7905 |
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| 1.99_133.0859  | 13377.59648 | 15094.52208 | 15817.47392 |
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| 130956.648     | 125951.2469 | 45783.21357 | 73372.21749 |
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| 5.67_618.8544  | 64787.93052 | 67588.29022 | 65693.45286 |
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| 33645.67928    | 60030.10052 | 39559.19575 | 71214.10104 |
| 53113.71882    | 80979.80523 | 72397.60482 | 36186.83566 |
| 56499.43791    | 45913.43329 | 34599.66252 | 40716.68589 |
| 51643.83356    | 48902.94678 | 69843.11288 | 17065.56555 |
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| 5734.200672    | 2033.169119 | 2979407.018 | 19824.2511  |
| 26569.96862    | 17810.52284 | 24035.38645 | 435743.2363 |
| 166021.5943    | 1772.640994 | 1085.569955 | 55549.72979 |
| 154629.2104    | 31443.15735 | 5433.775744 | 416303.2    |
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| 217396.4048   | 94882.44179 | 701433.9702 | 427178.7547             |
| 265861.5922   | 235623.8317 | 89110.87551 | 271993.6209             |
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| 8.44_187.1442 | 1692.313359 | 18962.51707 | 19983.78947             |
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| 11898.12963   | 2103.888861 | 4360.89039  | 874.3435738             |
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| 45644.90538   | 13732.80708 | 33841.06495 | 27021.30324             |
| 36450.25965   | 25731.44638 | 30784.56031 | 30707.98496             |
| 30974.95095   |             |             |                         |
| 8.77_220.2042 | 6493.260703 | 18959.51295 | 29413.63833             |
| 18255.43994   | 26970.33537 | 119062.583  | 19185.77556             |
| 6806.402556   | 12422.42242 | 15576.03713 | 16501.24407             |
| 42181.47279   | 3268.957396 | 29938.23683 | 63164.5902              |
| 11802.14957   | 119400.3528 | 66118.85385 | 22679.64981             |
| 20832.08519   | 10053.66266 | 117159.9835 | 15165.46412             |
| 3591.286635   | 6965.026553 | 38596.66955 | 63068.50532             |
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| 8.51_166.0864 | 2758.595077 | 7435.475595 | 8690.873872             |
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| 11013.78395   | 2820.997341 | 6429.54064  | 8692.88896              |
| 4090.761884   | 9278.574686 | 16406.66593 | 13816.38285             |
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| 3480.126397   | 10389.6356  | 4930.270471 | 10563.01468             |
| 4486.751665   |             |             |                         |



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| 8.76_274.0921 | 551512.5695 | 522441.101  | 675840.7689 |             |
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| 273980.2926   | 494909.0632 | 248854.3393 | 841681.0657 |             |
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| 4476.277719   | 5392.158796 | 43270.8441  | 12800.05269 |             |
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| 4808.454318   |             |             |             |             |
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| 416441.741    | 95135.68223 | 2522.948415 | 13591.759   |             |
| 8630.870473   | 1574.786169 | 7509.098504 | 2521.058764 |             |
| 971.7791256   | 42069.71711 | 29985.38051 | 11538.12348 |             |
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| 8.77_477.1828 | 24757.13287 | 25551.71144 | 44150.62713 |             |
| 12719.08842   | 33690.75735 | 12631.03556 | 4691.722397 |             |
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| 28206.09043   | 22898.62073 | 8094.407116 | 38941.88906 |             |
| 133034.3368   | 124768.9045 | 16669.93254 | 23288.27974 |             |
| 600.8096459   | 33202.47247 | 155791.2618 | 25069.57316 |             |
| 6245.709761   | 13518.43169 | 147479.8062 | 20772.36341 |             |
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| 8.56_260.1969 | 7834.437481 | 4959.46983  | 16715.56915 |             |
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| 18197.0946    | 9800.072726 | 2279.869747 | 6189.446639 |             |
| 9630.649191   | 6558.629494 | 6054.727423 | 4310.064059 |             |
| 3529.185139   | 12860.22885 | 45469.97    | 30556.02803 |             |
| 5478.830468   | 5718.881788 | 15493.43106 | 2685.740606 |             |
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| 310846.591    | 534536.8228 | 936.1400499 | 147456.74   |             |
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| 8.44_630.3523 | 68258.04506 | 33161.65944 | 1212160.517 |             |
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| 38535.62763   | 51861.55748 | 256115.7575 | 1239286.565 |
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| 33415.04107   | 17831.85919 | 815608.7424 | 332368.9843 |
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| 3.876010834   | 0.152648065 | 1760.366079 | 21030.37713 |
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| 8.54_140.0108 | 11511.74155 |             |             |
| 14618.22053   | 12961.71547 | 10862.39934 |             |
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| 4244.627332   | 2301.276634 | 11682.63466 |             |
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| 18019.7003    | 14291.32831 | 22109.32312 |             |
| 15868.15559   | 4440.332938 | 13605.53414 |             |
| 13746.95645   | 4440.332938 | 13466.06875 |             |
| 8.76_451.1323 | 9439.103011 | 12968.33704 |             |
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|               | 11545.26175 | 23312.54609 | 164.6360185 |
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| 9055.195396   | 22399.5702  | 40187.08947 | 116787.9344 |
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| 8.44_205.1013 | 20373.23161 | 7317.555543 | 22134.6818  |
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| 24091.88677   | 30214.85949 | 5164.562461 | 11137.8435  |
| 32613.19357   | 18893.45826 | 16330.2401  | 14236.72843 |
| 12402.50945   | 17199.02904 | 83636.60064 | 28397.19273 |
| 19589.69926   | 19299.10293 | 32145.09498 | 16105.73193 |
| 11386.55866   | 46233.71336 | 10838.92581 | 43490.83111 |
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| 8.76_276.119  | 9737.599393 | 6566.18668  | 55682.52468 |
| 32289.30124   | 32484.17968 | 12169.62944 | 22637.11759 |
| 45797.16707   | 26597.20586 | 10235.75371 | 11778.90457 |
| 30151.59696   | 9160.69656  | 14302.5763  | 14537.5525  |
| 11633.39596   | 17674.59875 | 52850.75853 | 18238.50348 |
| 9134.854961   | 10658.92866 | 31337.61962 | 10164.59906 |
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| 34912.64145   | 22495.66913 | 13945.03633 | 20740.13839 |             |
| 23215.25843   | 17349.08501 | 91147.75097 | 25983.8753  |             |
| 25876.09183   | 21009.46544 | 43121.0956  | 24593.75487 |             |
| 15337.60413   | 61770.74488 | 15821.18057 | 60430.20697 |             |
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| 175680.5321   | 23966.08363 | 63192.78922 | 308231.3721 |             |
| 46650.49095   | 305516.7347 | 1167100.203 | 1053061.06  |             |
| 22113.2327    | 241505.643  | 591854.0634 | 76628.41458 |             |
| 100128.5374   | 306897.9091 | 173583.7677 | 589337.1105 |             |
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| 8.44_632.3403 | 122265.0844 | 22523.77732 | 114943.2856 |             |
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| 11935.76652   | 59344.01967 | 21352.34461 | 166358.6677 |             |
| 93629.00137   | 96795.07867 | 80215.06911 | 910764.2101 |             |
| 97423.96819   | 78224.53036 | 205528.1726 | 1084370.865 |             |
| 152616.4229   | 60028.48066 | 457360.7927 | 58237.2774  |             |
| 69458.53443   | 69574.4252  | 176239.7235 | 158590.0299 |             |
| 21598.6171    |             |             |             |             |
| 8.44_248.1242 | 15862.41712 | 8529.243418 | 27623.81303 |             |
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| 28390.89494   | 16145.0611  | 2641.287296 | 13536.24485 |             |
| 26138.38794   | 15802.87894 | 12084.4814  | 7857.875566 |             |
| 10110.98626   | 31360.4774  | 33237.47249 | 14629.19741 |             |
| 6642.365141   | 7509.857799 | 32162.93464 | 5102.055445 |             |
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| 9015.838249   |             |             |             |             |
| 8.77_175.1442 | 8787.314786 | 12154.49731 | 30338.23389 |             |
| 12643.19303   | 30093.87041 | 12701.45609 | 10553.06162 |             |
| 37234.79087   | 24634.51232 | 4869.380099 | 23518.50168 |             |
| 19780.82736   | 7544.391038 | 22570.4225  | 8767.988175 |             |
| 9200.046542   | 17090.8143  | 22634.95809 | 24641.68632 |             |
| 9833.276922   | 10255.02904 | 70308.18332 | 7705.388198 |             |
| 15898.61509   | 11084.4573  | 32914.92455 | 44094.76285 |             |
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| 8.53_745.8252 | 252231.8517 | 3704.850507 | 0 0         |             |
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| 699.8812459   | 114455.3818 | 1867.939168 | 42189.04969 |             |
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| 65124.94891   | 90351.77344 | 438158.917  | 2130070.336 |             |
| 49072.1592    | 708929.7483 | 525873.796  | 1412520.03  |             |
| 71097.97685   | 32429.92422 | 226637.3893 | 242150.5159 |             |
| 54651.13453   | 29617.84876 | 1395141.995 | 567344.9614 |             |
| 7768.3033     |             |             |             |             |
| 8.55_191.0663 | 14570.97733 | 3513.765453 | 12168.81416 |             |
| 62258.98904   | 69171.53951 | 21718.70426 | 65504.77402 |             |
| 18711.42329   | 25644.95209 | 4854.439573 | 6924.589889 |             |
| 14611.99683   | 13051.33076 | 9852.991388 | 12489.32128 |             |
| 12777.79555   | 10870.84733 | 55782.25556 | 26147.76937 |             |
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| 2791.880773   | 31784.11281 | 16538.53714 | 5585.874675 |             |
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| 705.6760478   | 1566.275082 | 9746.870969 | 16224.66204 |             |
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| 8.44_618.3247 | 85531.30862 | 3364.390181 | 3379.234787 |             |
| 572370.8311   | 359251.9837 | 131824.8339 | 525459.5222 |             |
| 14813.17903   | 181960.7571 | 425.4545849 | 84516.52669 |             |
| 144851.1098   | 74724.16577 | 97402.60284 | 318214.1769 |             |
| 130298.2273   | 61172.71048 | 398198.1964 | 287585.036  |             |
| 94728.90318   | 144936.2077 | 49346.6333  | 109619.4195 |             |
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| 8.52_746.1116 | 59095.87829 | 1124.70294  | 0           | 0           |
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| 7755.097901   | 506.7195582 | 57997.57502 |             |
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| 16830.96095   | 12039.44531 | 8895.750718 | 11939.14667 |             |
| 8412.85964    | 7886.081035 | 42889.1914  | 18900.11106 |             |
| 20935.62915   | 9006.102046 | 24774.68779 | 11877.83387 |             |
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| 12634.47977   |             |             |             |             |
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| 67709.95628   | 65188.46203 | 384821.3991 | 1623192.249 |             |
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| 118942.7803   | 43074.57365 | 442283.9158 | 267846.2534 |             |
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| 8.78_220.1859 | 3187.883571 | 13741.54436 | 9594.811846 |             |
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| 3097.069189   | 21265.13386 | 421445.3609 | 19582.46423 |             |
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| 9.26_219.134  | 4901.738105 | 8007.120409 | 21284.73319 |             |
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| 13175.79734   | 32667.79959 | 2336.006788 | 2341.696646 |             |
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| 7330.358461   | 7388.227221 | 4300.25522  | 5626.447817 |             |
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| 9.28_345.2026 | 43100.58478 | 15394.59702 | 159438.2492 |             |
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| 129331.3033   | 35220.3339  | 78180.43646 | 469562.2185 |             |
| 104255.3577   | 230345.072  | 1275243.272 | 712407.37   |             |
| 156667.906    | 142861.4686 | 137668.0947 | 178932.6092 |             |
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| 9.28_345.7044 | 12376.43049 | 4099.43534  | 50876.94338 |
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| 44788.17968   | 90112.80609 | 15268.81986 | 88155.49622 |
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| 4663.166442   | 3944.059083 | 16364.50241 | 31350.68489 |
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| 16664.33225   | 9474.629638 | 47129.82284 | 61470.79274 |
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| 9.31_418.1931 | 1510.986995 | 42280.24282 | 92436.99612 |
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| 9.32_504.2307 | 1177.741287 | 6493.219045 | 60525.91244 |
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| 38429.44015   | 1144.570398 | 29243.7716  | 63015.3211              |
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| 9.32_751.3732 | 52260.9335  | 1503.466341 | 2454.366885             |
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| 21547.50259   | 31765.17997 | 10583.35549 | 16880.85526             |
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| 9.33_272.6349 | 283.6125671 | 1152.763861 | 1808.257409             |
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| 1317.196787   | 13594.6373  | 3846.556403 | 27211.54718             |
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| 4344.125334   | 97436.78517 | 61830.7948  | 4264.214289             |
| 3690.535489   | 44410.07557 | 38794.78971 | 1704.376864             |
| 14118.50753   | 26857.29981 | 427381.7278 | 64493.85052             |
| 1061.683665   |             |             |                         |
| 9.34_242.1329 | 51984.31046 | 169.0972772 | 156.1895276             |
| 0.767947596   | 0.181925319 | 78.06773269 | 0 2688.102846           |
|               | 345.0469811 | 577.8237647 | 1063.243703 552.3465131 |
|               | 47615.1243  | 849.3260841 | 35.21061517 87.94999817 |
|               | 9730.578828 | 5970.219392 | 0.365626685 108.6756224 |
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| 2550.669074   | 46366.51422 | 6136.592284 | 18.22526434             |
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| 9475.93957    | 5787.755326 | 10823.38085 | 6782.996793             |
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| 9.35_724.8864 | 737.5524559 | 23148.03762 | 295.5181851             |
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| 2769.334487   | 1164.182186 | 468331.4908 | 188.7039713             |
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| 184918.664    | 71623.87224 | 1767.543185 | 539807.1572 |             |
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| 9.35_725.0117 | 662.8306571 | 19149.91686 | 0           | 405.5937868 |
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| 9594.09618    | 71390.11898 | 97.52451403 | 0           |             |
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| 466035.3207   | 1165496.639 | 4302.897745 | 1723.758187 | 0           |
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| 9.35_767.3682 | 81523.52671 | 23441.99208 | 29289.87907 |             |
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| 1422.366782   | 9219.175653 | 137861.159  | 92306.70847 |             |
| 163487.0677   | 67225.73382 | 80432.46233 | 96794.59325 |             |
| 122533.1899   | 41601.19225 | 144219.3277 | 241329.3783 |             |
| 5260.452544   | 60911.54115 | 215252.503  | 84798.57441 |             |
| 92319.76088   | 59235.12929 | 396315.2629 | 125019.3131 |             |
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| 9.35_273.175  | 39847.4626  | 69542.48446 | 23529.66215 |             |
| 369090.1568   | 281543.8269 | 75857.8725  | 210302.1462 |             |
| 5599.999317   | 186403.7307 | 27410.98454 | 98954.24953 |             |
| 94385.21929   | 43624.8064  | 64856.55144 | 268530.2616 |             |
| 53706.20705   | 53507.76939 | 195920.7198 | 495679.1303 |             |
| 53697.12663   | 35336.71624 | 321948.3499 | 74330.38658 |             |
| 27458.19293   | 285199.1465 | 80392.35429 | 164946.6535 |             |
| 73028.10161   |             |             |             |             |
| 9.35_828.2977 | 731.235861  | 21394.41912 | 351.9002138 |             |
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| 652.2164337   | 247.944829  | 475.0199878 | 9748.855251 |             |
| 82126.70004   | 156.5740712 | 11.0959447  | 1674.394147 |             |
| 199835.0112   | 82688.56812 | 1922.531352 | 625503.7984 |             |
| 1628240.568   | 2473.873975 | 3140.119186 | 131.7466415 |             |
| 1074298.874   |             |             |             |             |
| 9.36_218.15   | 4013.628264 | 6816.070487 | 54041.94931 |             |
| 28868.32857   | 11288.50424 | 6116.120214 | 33272.60304 |             |
| 42630.67021   | 43112.08402 | 2083.349095 | 8093.824933 |             |
| 19603.21759   | 3856.969051 | 9821.194621 | 16330.27737 |             |
| 9284.170136   | 22252.14742 | 30160.38736 | 19171.67164 |             |
| 4784.656461   | 16625.17115 | 20588.6056  | 7617.347355 |             |
| 2899.404548   | 18510.53257 | 12395.61659 | 25982.92984 |             |
| 7257.534393   |             |             |             |             |
| 9.36_272.1716 | 350667.8691 | 610799.6974 | 212189.8546 |             |
| 3159702.408   | 2438362.991 | 672613.8826 | 1814515.922 |             |
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| 827437.6938   | 370471.8575 | 563797.6091 | 2341095.995 |             |
| 480973.9127   | 474775.0468 | 1729639.081 | 4267800.086 |             |
| 468168.6838   | 314734.5094 | 2789133.042 | 652483.2725 |             |
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| 9.24_295.0959 | 4277.501705 | 46347.63107 | 26120.61776 |             |

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| 31759.91821   | 35784.39588 | 6917.433492 | 4096.349153 |             |
| 131314.2518   | 28367.86947 | 2746.047754 | 3250.695881 |             |
| 4898.042271   | 2935.728298 | 6858.549005 | 3121.765021 |             |
| 2644.371644   | 14731.2172  | 5536.971623 | 7403.091053 |             |
| 1744.306863   | 3194.778157 | 2629.261263 | 2445.928414 |             |
| 1837.230379   | 11324.79132 | 2712.4161   | 4069.236534 |             |
| 3706.495893   |             |             |             |             |
| 9.23_706.289  | 442.2583784 | 26275.69351 | 37953.45872 |             |
| 34882.22886   | 168828.5396 | 3257.950509 | 5637.164509 |             |
| 132566.0474   | 189213.7997 | 0           | 56168.34771 | 33116.82548 |
|               | 556.6023494 | 15250.86913 | 33536.83829 | 4868.716725 |
|               | 22478.14338 | 155108.0133 | 37314.85003 | 8135.970614 |
|               | 40947.97101 | 9043.353259 | 11399.26403 | 7387.769941 |
|               | 18283.70955 | 5452.061596 | 56511.60946 | 1884.278047 |
| 9.23_200.1253 | 956.339443  | 143.2502488 | 1566.63995  |             |
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| 5265.847748   | 27196.5643  | 279.7922173 | 2255.421856 |             |
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| 4532.342902   | 7445.819428 | 31226.32397 | 14793.29995 |             |
| 1476.764366   | 41512.79759 | 13049.35315 | 27382.17438 |             |
| 3319.997434   | 31605.59892 | 3159.486    | 19481.94527 |             |
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| 9.22_227.1936 | 4718.29119  | 1911.138861 | 2350.070795 |             |
| 15821.20864   | 2216.879389 | 27928.68142 | 521.3798332 |             |
| 159.1527632   | 229.1251022 | 28247.06559 | 125.8331042 |             |
| 4472.202865   | 2220.189871 | 22123.14601 | 8910.225034 |             |
| 3810.449836   | 9254.344771 | 8217.03178  | 10452.35168 |             |
| 4671.797493   | 253.5623381 | 353.4079669 | 333.7097381 |             |
| 365.8054558   | 3127.743999 | 2236.660901 | 1051.752844 |             |
| 349.7076971   |             |             |             |             |
| 9.18_821.4151 | 205079.5623 | 19762.90788 | 22098.53557 |             |
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| 35966.83444   | 32187.02429 | 9406.583057 | 203962.5341 |             |
| 246263.8257   | 172020.3026 | 518038.0599 | 235819.6917 |             |
| 3494.447079   | 129422.4279 | 663329.2975 | 1443045.638 |             |
| 596992.8939   | 137835.5219 | 24890.49502 | 45156.16337 |             |
| 39175.43695   | 14838.66205 | 41057.44454 | 237270.2344 |             |
| 5475.376637   |             |             |             |             |
| 9.18_895.811  | 262025.0609 | 1472.304774 | 187.9192848 | 0           |
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|               | 0           | 128744.4356 | 0           | 354.4582495 |
|               | 64464.73789 | 278170.4767 | 472909.4661 | 306675.2409 |
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|               | 324353.9072 | 101220.9152 | 122493.3368 | 2905.394676 |
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| 9.18_176.1224 | 209348.8256 | 75063.95494 | 44505.33255 |             |
| 52244.89419   | 121302.3212 | 130222.0518 | 59009.50564 |             |
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| 93710.70006   | 205753.9181 | 151335.8983 | 302460.6914 |             |
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| 195488.0934   | 78600.84605   | 156415.2086   | 114685.4114   |
| 135613.3339   | 83284.92537   | 170284.9585   | 91304.25778   |
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| 9.18_358.1848 | 36932.54259   | 8931.882501   | 4683.375242   |
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| 22320.65826   | 10359.41785 | 11349.4444  | 25397.66909 |             |
| 16831.24448   | 22877.2956  | 79763.20212 | 65853.43853 |             |
| 11403.73094   | 23145.33197 | 53743.33308 | 10409.84172 |             |
| 10761.32538   | 32443.66662 | 14572.31535 | 27747.65485 |             |
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| 8.79_584.2787 | 33292.73071 | 21592.20427 | 4617.815897 |             |
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| 85424.31762   | 26681.46148 | 79770.25456 | 75025.01646 |             |
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| 2051.192978   | 98206.99134 | 89368.16643 | 82267.70954 |
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| 297073.1388   | 1155740.474 | 1322751.247 | 3035237.369 |
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| 11399.26089   | 16991.93863 | 27985.48466 | 5879.36226  |
| 18479.95196   | 22977.908   | 13387.10451 | 18053.19493 |
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| 7.23_257.2224 | 22468.89627 | 84830.11271 | 51400.18767 |
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| 26380.37604   | 19522.28301 | 68497.00757 | 46901.06526 |             |
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| 14428.5171    | 22407.92609 | 47501.28788 | 25058.40379   |
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| 25686.83431   | 40287.30699 | 462441.3431 | 52316.58926   |
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| 11170.78231   | 16247.45666 | 181431.7483 | 20276.0384  |             |
| 26820.97549   | 22764.59471 | 38322.64281 | 77690.96473 |             |
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| 120880.2256   | 31427.81274 | 95134.72446 | 132022.7321 |             |
| 196057.0825   | 288935.9769 | 441461.7764 | 89871.79608 |             |
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| 337956.9659   | 503775.667  | 479262.1673 | 152723.8553 |             |
| 88459.66766   | 23775.15246 | 67409.85227 | 98572.25051 |             |
| 149107.7612   | 223605.9056 | 324680.343  | 64967.58544 |             |
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| 618208.9191   | 961425.8623 | 891251.8439 | 282033.0508 |             |
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| 275083.6598   | 442028.4911 | 621348.7926 | 129172.8008 |             |
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| 463131.1079   | 720962.6071 | 653039.0377 | 209609.3437 |             |
| 128609.0678   | 37139.40367 | 106529.749  | 131573.221  |             |
| 196353.9905   | 306253.4831 | 447457.8812 | 94857.34487 |             |
| 66690.57694   | 480678.5641 | 156869.5957 | 102842.1345 |             |
| 7.13_923.8256 | 660628.7406 | 38416.88031 | 0           | 15481.80257 |
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| 594505.5745   | 915967.956  | 889846.576  | 264532.8327 |             |
| 160542.8538   | 45886.95338 | 124943.4831 | 173736.3711 |             |
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| 6462.241838   | 6357.124735 | 1301.898327 | 8286.131127 |             |
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|               | 63787.72026 | 13958.35945 | 48170.88207 | 68806.79037 |
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| 7.26_169.153  | 2345.366716 | 3898.190652 | 9423.603942 |             |
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| 2371.804452   | 10277.39531 | 7636.321255 | 8337.288934 |             |
| 11130.72159   | 8700.367385 | 10756.72738 | 6300.275316 |             |
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| 1609.174605   | 859.686911  | 332.4101116 | 7845.6668   |
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| 7.46_204.0439 | 225969.6018 | 41837.0365  | 89942.90424 |             |   |
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| 7266.20259    | 6612.660615 | 6875.926892 | 4234.844351 |             |   |
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| 6442.256824   | 393176.4882 | 93862.24694 | 6013.316463 |             |   |
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| 2813.832847   | 1498.883592 | 2628.837515 | 8724.951386 |
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| 8335.302589   | 3136.977385 | 4670.465671 | 4638.626394 |
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| 43554.16127   | 9180.00644  | 2737.168207 | 2121.79823  |
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| 23931.20136   | 1167.177237 | 25661.02546 | 21342.55037 |
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| 2749.370692    | 8235.451027 | 1447.122016 | 1034.722993 |             |
| 2692.883507    | 1663.196809 | 318.0071456 | 9791.051684 |             |
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| 8.14_970.5173  | 500689.9119 | 40237.71776 | 0           | 0           |
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| 1299.282069    | 745.079277  | 107300.6938 | 139720.1087 |             |
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| 8.14_1013.0387 | 768970.2174 | 25566.5093  | 0           | 0           |
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| 42037.7515     | 6621.693838 | 7042.606902 | 190193.2828   |
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| 8.16_491.2468 | 6667.843028 | 690.3348323 | 22706.41116 |             |
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| 8.18_680.3382 | 185466.2045 | 7389.788757 | 7547.512857 |             |
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| 82637.40812   | 129416.8012 | 69430.45491 | 44568.51899 |             |
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| 8.19_288.203  | 97228.92073 | 174449.0442 | 175283.3465 |             |
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| 118155.2567   | 82109.61245 | 59430.10735 | 82520.92976 |             |
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| 38734.12133   | 58013.91752 | 21833.72883 | 80519.91447 |
| 375206.2036   | 72861.12563 | 59759.56357 | 34504.66619 |
| 3767.687319   | 34849.95262 | 120228.3508 | 40917.01274 |
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| 18408.0187    | 28379.7749  | 100499.9191 | 87691.03777 |
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| 8718.005384   | 9672.550185 | 42255.38347 | 8434.000148 |
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| 15675.48768   | 2603.209087 | 13387.57881 | 22307.89198 |
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| 8.11_357.1767  | 20888.87256 | 180.734129  | 5956.538785 |             |
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| 8.36_346.2278  | 9647.220688 | 17578.55932 | 6678.711731 |             |             |
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| 32612.11029    | 64362.36367 | 348807.9722 | 26440.34779 |             |             |
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| 8.37_130.134   | 5142.8436   | 3767.281207 | 4569.197634 |             |             |
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| 4588.17473     | 3017.586437 | 13296.66732 | 8426.42589  |             |             |
| 12916.15495    | 2637.641784 | 18227.82062 | 7161.850106 |             |             |
| 2565.412879    | 15186.06288 | 1759.091855 | 11620.4076  |             |             |
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| 8.37_844.4497  | 189064.3895 | 5639.993761 | 0           | 362.7590142 |             |
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| 709.5929928   | 11432.91206 | 35928.22167 | 15060.63446   |
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| 8.25_857.4153 | 24403.11428 | 10364.28699 | 257618.368  |
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| 1848.271153   | 32710.671   | 7113.250745 | 7078.431741 |             |
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| 18663.20374   | 12868.28418 | 16393.78143 | 64720.85172 |
| 19073.52883   | 16290.10586 | 81547.43477 | 59945.2203  |
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| 2440.47818    | 9467.812632 | 173916.4639 | 24966.66396 |             |
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| 78700.8718    | 457.2845404 | 72171.76634 | 133891.1298 |             |
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| 18896.00977   | 17302.31349 | 249204.3334 |             |             |
| 7.77_286.1509 | 61924.29757 | 21935.39379 | 78525.33837 |             |
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| 46308.32376   | 55712.28052 | 37403.32504 | 100761.8615 |             |
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| 8346.838979   | 4818.619532 | 7250.518948 | 77116.47224 |
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| 37458.08439   | 13831.86304 | 66350.85039 | 15026.39507 |
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| 1494.878703   | 7587.817517 | 9042.51977  | 5723.952836 |
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| 4560.407553   | 18110.81353 | 47943.73171 | 20275.06077 |             |
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| 249387.46     | 267818.8626 | 383489.8246 | 442230.5631 |             |
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| 4823.401281   | 8511.166023 | 6173.008411 | 19389.21058 |             |
| 17258.94412   | 15497.34892 | 144716.1613 | 35116.1813  |             |
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| 152976.4344   | 35360.48748 | 72576.55083 | 146848.4906 |             |
| 65296.41175   | 260420.4756 | 447877.8161 | 239812.5537 |             |
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| 7.98_517.2383 | 187946.5713 | 45477.2512  | 184303.6874             |
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| 686056.5557   | 144303.2633 | 308727.9442 | 371047.5783             |
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| 205105.4783   | 641533.4964 | 821472.6943 | 348347.965              |
| 161944.9169   | 834895.5302 | 189794.3029 | 727510.7301             |
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| 9.54_218.15   | 11411.93342 | 18119.73314 | 36023.71507             |
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| 93882.89632   | 42427.89248 | 16317.02385 | 277309.5755 |
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| 28011.06464   | 5829.069523 | 8664.966072 | 16700.83812 |
| 1420.740344   | 13350.22575 | 14153.4278  | 8931.621079 |
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| 7.90_146.1289 | 1825.481833 | 4538.778645 | 1425.685345 |
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| 4.413371711   | 147.1453939 | 450836.4978 | 395409.4309 |
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| 7.79_795.9248 | 306799.4284 | 293594.7389 | 85.70275504 |             |
| 890.4036857   | 13401.11432 | 344846.3532 | 89465.95028 | 0           |
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| 7.80_254.1234 | 732.6682523 | 1106.694038 | 1141637.201 |             |
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|               | 0           | 30608.64994 | 50.12689983 | 4025.637176 |
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| 0.099477941   | 0           | 37.24108644 |             |             |
| 7.81_204.1061 | 10888.60896 | 5990.460367 | 14319.31817 |             |
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| 10172.0016    | 15601.92037 | 2042.783126 | 10658.32061 |             |
| 10693.20969   | 11976.94332 | 13302.21013 | 60146.58499 |             |
| 8586.706257   | 13607.97118 | 40980.06504 | 47495.23458 |             |
| 31563.61496   | 8963.194703 | 19973.32399 | 13075.95054 |             |
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| 6088.287669   | 4820.758727 | 29103.87113 | 2088.107199 |             |
| 3663.41299    | 10560.41037 | 13690.30518 | 5922.541388 |             |
| 5030.36956    | 25648.22247 | 14599.1571  | 1501.271749 |             |
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| 7.82_341.1819 | 45797.60828 | 18783.47607 | 26529.56258 |             |
| 309655.2865   | 110421.1832 | 68128.61774 | 228593.0593 |             |
| 37633.86709   | 444401.041  | 2484.060868 | 49806.56211 |             |
| 107725.6071   | 40054.49881 | 34117.89572 | 347630.7132 |             |
| 40402.16775   | 49420.52233 | 237591.264  | 301797.0304 |             |
| 44574.29094   | 38324.6449  | 402463.4672 | 51226.67917 |             |
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| 108488.5612   | 157802.2372 | 469352.5395 | 521933.4637 |             |
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| 94948.26462   | 180950.0552 | 67240.35728 | 312096.0121 |             |
| 83754.73785   |             |             |             |             |
| 7.82_349.1717 | 11423.12762 | 2596.023214 | 17593.05225 |             |
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| 8162.778096   | 20962.79696 | 735.167206  | 11661.14931 |             |
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| 9619.94097    | 15177.20458 | 44204.15427 | 33704.65228 |
| 36940.70844   | 10533.93384 | 18045.01061 | 7640.572082 |
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| 7.83_148.0797 | 51498.26596 | 23386.31368 | 63606.21481 |
| 71962.55212   | 171692.5377 | 60592.30323 | 56110.16127 |
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| 68933.13234   | 48219.15297 | 41882.96235 | 68037.83676 |
| 56816.25545   | 63997.30796 | 94229.27649 | 63583.45708 |
| 62225.53483   | 57405.69778 | 78170.93741 | 30444.83639 |
| 52303.31262   | 60625.42644 | 31473.62502 | 63170.42661 |
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| 7.83_187.0305 | 6773.308528 | 2776.098863 | 8590.210559 |
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| 25025.35387   | 8304.648114 | 5100.359945 | 5156.83153  |
| 4441.731629   | 5009.330785 | 10758.18297 | 2503.099014 |
| 3154.134818   | 10732.83967 | 5916.588225 | 8300.943878 |
| 7135.066135   | 8959.753637 | 7951.203791 | 1435.466898 |
| 4952.097482   | 5772.892525 | 3495.000887 | 6280.764606 |
| 5045.670244   |             |             |             |
| 7.83_191.1139 | 6571.279228 | 3326.877498 | 7657.135458 |
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| 8185.033539   | 6193.109593 | 4818.699232 | 4287.721228 |
| 6347.017326   | 7020.103872 | 7044.955582 | 5951.046153 |
| 7307.142831   | 7345.76713  | 6492.267902 | 3651.55506  |
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| 7.83_227.1027 | 47327.19773 | 95604.72557 | 97939.95757 |
| 642065.1186   | 349393.9335 | 89711.42889 | 233024.2811 |
| 13113.37416   | 146967.7155 | 73236.79005 | 100905.3146 |
| 92157.3216    | 45626.84862 | 97139.68977 | 577106.7729 |
| 32600.071     | 115801.1935 | 328019.9798 | 454662.468  |
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| 89861.33637   | 122480.5331 | 121179.124  | 409314.8181 |
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| 7.83_227.122  | 2948.064774 | 6973.770963 | 8003.961641 |
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| 5825.401045   | 3002.86436  | 6372.020566 | 44658.20818 |
| 3887.733312   | 9969.159638 | 23429.93992 | 33596.05205 |
| 4227.823486   | 3695.360209 | 26577.01234 | 9108.727215 |
| 6202.396353   | 8314.148411 | 9669.414107 | 29764.7538  |
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| 7.83_101.0711 | 3265.258661 | 1544.139462 | 4194.949452 |
| 4721.233447   | 11158.6799  | 3795.51368  | 3658.76407  |
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| 4491.163924   | 3101.932686 | 2681.231747 | 4514.34157  |
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| 7664.62802    | 5439.457201 | 5581.969306 | 3028.647666             |
| 4033.31087    | 6965.173843 | 5555.62295  | 7104.880071             |
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| 55285.57711   | 20660.23959 | 3727.203477 | 57997.21217             |
| 74290.72219   | 110629.007  | 35633.84126 | 138400.3016             |
| 576873.6007   | 91571.94999 | 111652.5163 | 76208.47809             |
| 21167.42377   | 71896.99688 | 148921.5828 | 47372.52479             |
| 25806.34261   | 66107.13608 | 68577.58026 | 93416.681               |
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|               | 399008.718  | 209.4365664 | 6167.576203 65180.95029 |
|               | 116706.8557 | 286683.0971 | 140748.1993 239.116284  |
|               | 0           | 68182.54544 | 107765.813 0            |
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| 29688.13134   | 72913.54327 | 7592.711984 | 31464.67799             |
| 46314.25582   | 23310.98445 | 22607.29753 | 12341.26983             |
| 17899.48192   | 39816.58412 | 36809.86021 | 34125.99409             |
| 36855.64864   | 28362.48358 | 33054.74331 | 9056.007144             |
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| 7.84_264.119  | 30350.30104 | 91135.8792  | 48280.82661             |
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| 7.86_535.2876 | 71457.68762 | 21570.44844 | 127437.4531             |
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| 7.89_249.1445 | 25538.08478 | 2380.66183  | 19892.87488 |
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| 4038.889945   | 10463.06716 | 900.2831029 | 650.3985256 |
| 19631.20457   | 24853.52919 | 12257.64235 | 3359.210707 |
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| 4060.425858   | 5771.65314  | 4428.063062 | 6116.661327 |
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| 7.89_282.085  | 30225.93731 | 32393.83277 | 58938.82254 |
| 322927.4025   | 184820.5945 | 57076.25178 | 85102.78581 |
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| 13180.91692   | 117276.2443 | 202377.8509 | 432109.3516 |
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| 50225.20001   | 56700.97544 | 77111.30898 | 277518.2271 |
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| 7.90_190.1187 | 3985.012469 | 2591.409888 | 6364.7109   |
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| 47267.88228   | 37145.87329 | 18458.32647 | 36296.94354 |
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| 1175508.286   | 327550.1507 | 41703.90282 | 48215.809   |
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| 88208.98429    | 67290.06734 | 78954.42658 | 868900.2693 |
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| 25662.17274    | 25693.57165 | 12460.38923 | 21401.59961 |
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| 17961.60349    | 63568.21129 | 37758.58702 | 58202.44893 |
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| 9.55_458.2507  | 202945.4896 | 44274.63875 | 707800.9209 |
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| 348645.3806    | 111435.5807 | 10576.66226 | 302595.6481 |
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| 73662.62573    | 24186.45674 | 19832.1563  | 23527.98848 |
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| 66999.9745     | 26941.08281 | 30972.69343 | 161474.0763 |
| 5558.095413    | 102151.7643 | 84231.80115 | 688736.215  |
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| 11.27_349.1745 | 33090.93707 | 8638.665208 | 24676.01795 |
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| 32176.01399    | 28480.12943 | 57904.18477 | 249692.0226 |
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| 39247.37865    | 63174.14449 | 65684.12955 | 70711.42333 |
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| 11.28_416.5572 | 66963.86053 | 117350.8548 | 14810.05987 |
| 137068.8488    | 38870.48617 | 38667.15358 | 39402.01508 |
| 1404.86731     | 12569.78804 | 33972.26622 | 127830.0927 |
| 111802.7254    | 50023.54967 | 56635.0264  | 388370.3898 |
| 16342.00824    | 187531.2027 | 180446.2047 | 1377389.439 |
| 26377.25085    | 185337.8388 | 444442.0463 | 40317.34399 |
| 23070.7839     | 261821.5073 | 198019.6473 | 133182.9523 |
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| 469.7393867    | 2971.170767 | 8150.815738 | 26211.02349 |
| 26007.27929    | 12173.2639  | 14244.78532 | 89355.30999 |
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| 5857.36674     | 46828.80342 | 103293.9732 | 8851.578743 |
| 5074.586832    | 66211.60708 | 47330.39316 | 30885.93168 |
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| 29296.55758    | 351366.6066 | 308507.645  | 11035.57712 |
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| 264819.1279    | 147321.3031 | 2964.624093 | 342530.6117 |
| 307969.8718    | 3054.041675 | 91793.66208 | 36514.4862  |
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| 11.30_434.2476 | 48283.49315 | 21776.68592 | 3701.800736 |
| 37071.41411    | 15585.17645 | 88155.47343 | 19582.28918 |
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| 24511.10938    | 39224.99546 | 69473.06362 | 182044.3639 |
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| 53946.07823    | 9089.176924 | 37836.97953 | 17725.17785 |
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| 184.9117026    | 231.7714133 | 196145.3836 | 194212.2654 |
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| 2169.927912    | 22932.69871 | 6864.35791  | 33911.9036  |
| 553323.4803    | 309859.0606 | 6193.359094 | 710066.3422 |
| 646413.5554    | 1335.721416 | 126792.7407 | 56284.73858 |
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| 19738.78479    | 24415.86895 | 15138.91463 | 19105.35794 |
| 23195.18946    | 23854.78372 | 24197.22472 | 19966.96819 |
| 17934.04229    | 21667.75147 | 23535.04047 | 19107.50332 |
| 16184.06217    | 22384.19166 | 22342.99108 | 26798.9166  |
| 22467.35412    | 22556.26858 | 33455.48454 | 19570.04095 |
| 21770.64701    | 20454.3894  | 19233.37359 | 19869.20527 |
| 20682.50634    |             |             |             |
| 11.30_433.7459 | 124355.3137 | 55863.72918 | 9581.165396 |
| 97440.28659    | 42049.36287 | 226623.7292 | 51985.82879 |
| 1075.465166    | 1991.336938 | 41762.83262 | 103616.1847 |
| 66556.67079    | 102530.9775 | 182605.7372 | 463907.9955 |
| 77634.13491    | 87201.14911 | 61262.02215 | 273107.1868 |
| 247083.6567    | 107768.5472 | 21351.20969 | 102491.611  |
| 143734.0092    | 25381.49645 | 98045.42013 | 49426.96896 |
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| 11.30_469.2646 | 97461.30251 | 5350.973743 | 755.7208981 |
| 26873.42546    | 45114.34357 | 51122.10767 | 8456.474801 |
| 34.6558023     | 0           | 2134.049853 | 17598.57529 |
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| 81741.28342    | 12909.93896 | 382158.0845 | 109696.4073 |
| 44700.24768    | 6911.059786 | 65902.65799 | 47226.43959 |
| 44858.79002    | 1142.575203 | 12572.32838 | 96400.40342 |
| 3413.73046     | 12606.11878 | 5926.887618 | 46074.97613 |

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| 11.30_584.8063 | 19441.49879 | 302197.59   | 256557.323  |   |
| 396614.0191    | 254176.5541 | 79226.24313 | 27448.18709 |   |
| 4933.692861    | 58068.64899 | 52192.36754 | 92621.00434 |   |
| 52404.178      | 16403.79637 | 294454.695  | 1054411.944 |   |
| 26310.93313    | 307950.6646 | 567195.3213 | 1120158.17  |   |
| 17930.14471    | 134669.8152 | 533846.2461 | 116708.5049 |   |
| 21983.002      | 63178.70019 | 91129.45146 | 152223.7122 |   |
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| 11.31_584.3048 | 37340.70075 | 547389.9897 | 468183.154  |   |
| 724538.2563    | 462510.7662 | 153672.3149 | 52377.46148 |   |
| 6878.513755    | 103971.2454 | 97659.97451 | 168034.9759 |   |
| 98564.24436    | 33067.73485 | 531604.5447 | 1940242.803 |   |
| 47265.90836    | 566763.7587 | 1013656.031 | 2082378.328 |   |
| 37811.74843    | 250658.1294 | 963987.144  | 219204.6635 |   |
| 42078.1986     | 123832.3742 | 165502.7898 | 289634.4157 |   |
| 97587.50945    |             |             |             |   |
| 11.26_624.332  | 560555.376  | 858622.7636 | 98338.76857 |   |
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| 14296.66949    | 89203.24932 | 282596.8691 | 1042616.866 |   |
| 1054897.785    | 440896.6352 | 482999.0628 | 3678833.925 |   |
| 136388.9626    | 1642163.643 | 1584530.738 | 12513439.03 |   |
| 261396.9307    | 1542834.815 | 3737284.086 | 346814.0425 |   |
| 201951.7872    | 2404300.529 | 1684273.683 | 1158676.093 |   |
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| 293.1729601    | 12728.788   | 195715.9837 | 21045.86032 | 0 |
| 310.2584443    | 51432.55511 | 172884.1049 | 44663.97064 |   |
| 180212.1897    | 105254.6277 | 701796.7272 | 150379.0978 |   |
| 7275.448414    | 4052.601857 | 162332.3058 | 278797.7253 |   |
| 116541.591     | 47014.09777 | 95092.91947 | 199229.9513 |   |
| 4307.065686    | 45629.41461 | 10633.86965 | 37544.96303 |   |
| 11.32_487.2518 | 101639.256  | 18242.73074 | 665743.6045 |   |
| 573068.2961    | 328262.1143 | 179993.7406 | 137637.8343 |   |
| 63414.00741    | 153690.8561 | 41866.75437 | 106301.362  |   |
| 278063.7078    | 95678.8471  | 167325.8508 | 1537365.298 |   |
| 182662.7293    | 1008530.146 | 359581.3782 | 2808675.424 |   |
| 177856.8433    | 94314.31895 | 426021.2682 | 170747.429  |   |
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| 11.32_677.0132 | 508895.7797 | 1573.549133 | 0           | 0 |
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| 0              | 2526.170858 | 622504.9543 | 238502.1504 |   |
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| 17458.31846    | 0           | 333176.3944 |             |   |
| 11.32_920.9506 | 153656.0658 | 20655.2196  | 114.8150108 |   |
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| 136794.4239    | 224808.8349 | 979360.3474 | 334.3347202 |   |

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|                | 16660.7999  | 55851.15958 | 963764.9751 | 619332.6771 |
|                | 142413.9428 | 257501.8621 | 141305.4286 | 97150.6293  |
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| 11.32_921.4519 | 110290.2774 | 14068.94728 | 735.3376163 |             |
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| 137598.7244    | 97667.29092 | 170895.402  | 840999.9572 |             |
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| 470466.8741    | 109929.0291 | 200551.9486 | 124874.6101 |             |
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| 333.9407923    |             |             |             |             |
| 11.33_90.5262  | 7051.422856 | 8078.798618 | 9886.182183 |             |
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| 8159.335593    | 8239.291073 | 8734.76399  | 7074.5012   |             |
| 6610.473979    | 8169.748435 | 8291.205496 | 6850.104103 |             |
| 6108.935262    | 8007.727661 | 8485.239058 | 9845.621022 |             |
| 7952.746269    | 8305.283421 | 12273.86933 | 7298.770881 |             |
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| 7254.937922    |             |             |             |             |
| 11.33_171.0078 | 19323.03935 | 21936.02174 | 25087.96167 |             |
| 19908.80917    | 23827.80849 | 16281.78517 | 18138.74585 |             |
| 22476.08193    | 23037.54032 | 23915.55893 | 19598.12425 |             |
| 17920.56619    | 20840.72605 | 22810.45927 | 23038.33831 |             |
| 16751.44087    | 22172.90069 | 21744.42197 | 31018.0209  |             |
| 22841.92724    | 22251.16274 | 33243.87833 | 19841.93573 |             |
| 21526.12031    | 19765.81786 | 19203.34734 | 20832.29423 |             |
| 20248.712      |             |             |             |             |
| 11.33_214.9177 | 24577.00175 | 32395.82426 | 34430.68116 |             |
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| 26443.26827    | 30494.39885 | 34398.97042 | 15768.82111 |             |
| 19340.7509     | 30453.66587 | 27214.28136 | 29624.07887 |             |
| 29439.22644    | 30045.21543 | 46813.4553  | 26309.26329 |             |
| 24761.11153    | 29916.40601 | 26723.8287  | 29274.09021 |             |
| 28639.79016    |             |             |             |             |
| 11.33_255.9442 | 71775.02678 | 96044.12886 | 94382.83673 |             |
| 86745.62799    | 98199.99829 | 50688.55803 | 100934.491  |             |
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| 78619.85321    | 86644.09143 | 108591.1155 | 49208.85764 |             |
| 54686.05572    | 97089.75454 | 81713.62809 | 94727.44948 |             |
| 92846.96631    | 87496.35985 | 134124.7    | 76203.09593 |             |
| 77523.20455    | 87592.88026 | 75829.22919 | 87147.29953 |             |
| 89444.28288    |             |             |             |             |
| 11.33_487.7534 | 42050.99913 | 6484.423181 | 265202.5874 |             |
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| 25423.96428    | 62394.40656 | 14638.7432  | 42690.69961 |             |
| 113007.4804    | 40510.37855 | 67455.93364 | 614826.6913 |             |
| 72257.94308    | 415083.2055 | 146421.1948 | 1156778.754 |             |
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| 26212.65656    |             |             |             |            |
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| 127788.9723    | 42914.15718 | 64482.10275 | 429496.7451 |            |
| 82993.80297    | 3388.981339 | 1093.700593 | 177456.9303 |            |
| 114771.3428    | 122417.1454 | 32617.99117 | 75584.42668 |            |
| 119261.54      | 34953.79547 | 44427.50064 | 8636.138483 |            |
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| 11.32_126.9896 | 13151.31521 | 14893.2578  | 16333.78434 |            |
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| 11922.7085     | 14289.01265 | 15228.9103  | 11437.25287 |            |
| 10834.14793    | 14452.84538 | 14876.46232 | 17604.85446 |            |
| 14438.03618    | 14974.50907 | 21833.4724  | 13026.45088 |            |
| 13598.47582    | 13480.26604 | 12725.77857 | 13479.7468  |            |
| 13607.67433    |             |             |             |            |
| 11.26_350.8612 | 14887.20293 | 3487.657671 | 235.098545  |            |
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| 199.0878943    | 7717.291808 | 6290.200672 | 22523.90744 |            |
| 16734.0845     | 16004.50549 | 3309.530899 | 51718.63006 |            |
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| 2497.052111    |             |             |             |            |
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| 2088730.108    | 588094.215  | 626470.6993 | 553539.5303 |            |
| 27616.18434    | 158443.4423 | 507866.1547 | 1835900.113 |            |
| 1830389.483    | 781644.5835 | 853022.9606 | 6386936.333 |            |
| 248044.3958    | 2867218.575 | 2793486.806 | 21840553.61 |            |
| 455451.2762    | 2675124.243 | 6520349.664 | 605795.653  |            |
| 365871.8553    | 4187589.136 | 2958024.432 | 2027653.583 |            |
| 1403131.399    |             |             |             |            |
| 11.26_526.29   | 65664.17215 | 11405.30292 | 928.6903961 |            |
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| 196.8220908    | 258.1807784 | 57245.02128 | 125808.1656 |
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| 74426.27968    | 64406.03518 | 19439.55656 | 201598.6344 |
| 102209.9651    | 3661.139487 | 36451.05906 | 48382.8546  |
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| 11.18_601.8234 | 1615046.525 | 62639.37362 | 3549.813615 |
| 780131.6428    | 948038.8386 | 2077837.46  | 584022.268  |
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| 11.18_602.3248 | 880477.63   | 32492.23007 | 1815.753539 |
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| 137275.3514    | 155471.5991 | 112456.5462 | 247706.493  |
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| 11.18_694.3615 | 4861.20231  | 11254.70811 | 16257.57297 |
| 130363.9591    | 15758.28859 | 19550.74512 | 4539.23314  |
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| 22648.22177    | 3116.062656 | 6092.04185  | 214567.6709 |
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| 18742.07598    | 12638.92667 | 93032.1205  | 23229.54973 |
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| 11.19_614.3101 | 497604.7977 | 293750.0725 | 148360.6884 |
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| 67243.9463     | 530655.3051 | 140553.5844 | 721781.6981 |
| 815386.3249    | 416984.4995 | 474588.4595 | 2663899.509 |
| 624755.1416    | 538831.6904 | 6071147.859 | 2426908.211 |
| 309752.8544    | 1048381.886 | 3044924.269 | 415822.8641 |
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| 11.19_693.86   | 1326.862632 | 20278.41543 | 26611.1013  |
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| 239.6835915    | 57897.31576 | 34318.20728 | 39137.15932 |
| 39609.05673    | 1739.142412 | 9102.635465 | 256472.3487 |
| 49056.49247    | 87267.38669 | 273704.7058 | 603767.4744 |
| 3266.427851    | 21122.18561 | 156981.7259 | 35737.71856 |
| 14869.71504    | 18540.92769 | 74139.11313 | 263093.6357 |
| 44914.64109    |             |             |             |
| 11.19_402.2199 | 66169.38611 | 2940.921688 | 38.46561605 |
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| 17382.79191    | 54717.16319 | 44177.31794 | 192380.5192 |

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| 29542.58907    | 33141.61068 | 19576.94231 | 78128.39775 |
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| 11.19_706.8358 | 92436.15766 | 422.0779399 | 0           |
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|                | 32776.38203 | 86969.8219  | 32452.73232 |
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| 11.20_401.5513 | 323778.4188 | 16669.99417 | 1101.518974 |
| 124634.2133    | 156125.0383 | 362575.6497 | 114525.4044 |
| 688.765203     | 2401.308078 | 15732.47885 | 152734.7433 |
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| 146403.748     | 182530.8755 | 99183.50572 | 393295.973  |
| 145655.6036    | 26283.25598 | 58599.31906 | 205305.7197 |
| 45218.33456    | 43686.28853 | 36214.38079 | 78193.94467 |
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| 11.20_401.8856 | 193765.9005 | 9494.951936 | 665.0542126 |
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| 27352.96968    | 25698.85878 | 20728.54366 | 43630.24539 |
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| 11.20_695.8448 | 444714.2501 | 8006.315642 | 60.02342447 |
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| 370003.6308    | 425737.6254 | 152738.526  | 1138623.192 |
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| 396660.6851    | 645016.4308 | 184781.0397 | 26259.86119 |
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| 11.20_696.3463 | 268472.9965 | 4563.252331 | 1553.991456 |
| 5368.437387    | 48949.46248 | 278380.4251 | 2845.679354 |
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| 249151.8213    | 398577.2675 | 121829.9453 | 29973.05673 |
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| 11.20_944.9549 | 238683.756  | 103.1566301 | 74.71555603 |
| 0.062371322    | 17310.72114 | 212117.0542 | 132.7730252 |
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| 11.20_945.4564 | 183708.2914 | 114.7611752 | 85.37412045 |
| 304.8394632    | 13753.6489  | 166827.3189 | 639.7447631 |
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| 11.20_529.2589 | 78192.86594 | 4883.875817 | 13267.68398 |
| 65257.95554    | 46958.10609 | 56537.20534 | 59525.06152 |
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| 29170.82997    | 52574.66164 | 159824.6319 | 78662.39669 |
| 26436.93614    |             |             |             |
| 11.20_539.7483 | 23585.76652 | 2151.295573 | 3379.065722 |
| 43619.48427    | 16844.33537 | 17124.74253 | 22512.78528 |
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| 20563.27851    | 21959.80531 | 45435.94985 | 12765.62708 |
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| 11.20_622.9784 | 128816.6508 | 1.284700989 | 0           |
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| 122325.3124    | 10073.70981 | 30794.63957 | 307838.4038 |
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| 72800.00759    | 170.1246164 | 156302.2259 | 273503.191  |
| 53002.03278    | 11938.16173 | 169.8024431 | 139012.1539 |
| 11.21_528.7574 | 175492.1067 | 15191.99622 | 33655.57228 |
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| 5225.82947     | 36686.40595 | 135180.2236 | 259688.9168 |
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| 66444.36918    | 273200.6021 | 157077.6242 | 706145.1492 |
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| 73508.76355    | 147431.8224 | 355890.2468 | 184155.685  |
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| 11.21_630.64   | 107708.0479 | 0           | 0           |
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|                | 10076.003   | 18847.64977 | 242952.2809 |
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| 131615.2139    | 241070.0123 | 57933.36668 | 8648.029775 |
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| 6211969.471    | 172.0550925 | 21.64401629 | 2842.074441 |
| 1247084.066    | 1255963.508 | 14728.71695 | 2865571.059 |
| 5040798.722    | 1078178.164 | 229274.5587 | 1063.324851 |
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| 11.21_934.4653 | 1750299.785 | 1153.782379 | 637.4532997 |
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| 4278.104293    | 391.5436438 | 1984785.644 | 35232.46966 |
| 810140.6343    | 1722005.625 | 204621.0205 | 790357.4412 |
| 4659697.146    | 1439.483489 | 2046.283019 | 15728.70337 |
| 946323.9055    | 946725.4809 | 15860.10113 | 2172272.842 |
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| 118342.2025    | 118845.5772 | 50505.98341 | 694398.3366 |
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| 11.25_634.8215 | 22576.6621  | 32461.70118 | 626.1924854 |
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| 242911.3634    | 68730.06072 | 70267.47765 | 70708.33889 |             |
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| 158017.5497    | 140114.1416 | 42802.09611 | 418419.6117 |             |
| 208641.5873    | 9962.128556 | 78231.65218 | 103821.1327 |             |
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| 238281.9112    | 179593.2057 | 833707.5688 | 3951673.632 |
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| 107192.7308    | 463178.1023 | 344568.2473 | 1694647.456 |   |
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| 64038.02521    | 50770.81875 | 24117.89435 | 253942.6083 |   |
| 100647.4126    | 14453.50835 | 661078.3495 | 251338.7118 |   |
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| 111.1224724    | 203.2429807 | 40317.32353 | 39689.22937 |
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| 343349.556     | 226019.5904 | 124338.0826 | 1736234.381 |
| 149485.2094    | 386719.8742 | 1639640.763 | 2083598.437 |
| 125054.7239    | 618231.1868 | 493035.6245 | 164277.3515 |
| 63614.74975    | 763866.1519 | 372636.5251 | 548703.5878 |
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| 277290.3743    | 53062.20405 | 15043.43011 | 22783.20437 |
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| 47674.62051    | 23120.02326 | 13304.8874  | 126156.2606 |
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| 249339.4825    | 52073.45508 | 65217.91169 | 1085968.383 |
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| 24660.09709    | 133754.016  | 491544.4025 | 531538.9206 |
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| 11355.55932    | 240570.0507 | 109490.6262 | 171654.7643 |
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| 83714.77317    | 21752.8546  | 6949.38791  | 132895.4174 |
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| 24626.97894    | 46004.07793 | 47995.20505 | 50857.41849 |
| 52299.96704    |             |             |             |

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|-----------------|-------------|-------------|-------------|-------------|
| 11.44_447.749   | 64276.46252 | 15402.38385 | 3340.155403 |             |
| 565.925038      | 13867.41369 | 119049.555  | 4771.766072 |             |
| 556.3916617     | 412.5906679 | 52817.20187 | 221550.2511 |             |
| 18697.88486     | 54355.92241 | 42653.12759 | 727826.6334 |             |
| 105856.3968     | 91832.18067 | 1999.840968 | 537257.015  |             |
| 675567.1388     | 212758.1845 | 51949.42365 | 63449.42469 |             |
| 707209.7738     | 5281.569579 | 67529.1532  | 54680.77204 |             |
| 137448.2918     |             |             |             |             |
| 11.40_345.1944  | 39731.20204 | 3603.74421  | 6302.525232 |             |
| 7901.720262     | 86605.70188 | 31312.9456  | 3285.104592 |             |
| 2988.204454     | 1022.59657  | 25687.22764 | 4230.585876 |             |
| 12013.12038     | 34309.60419 | 37428.53569 | 141696.8677 |             |
| 100055.1756     | 9837.552507 | 750.577227  | 8613.058603 |             |
| 17197.82733     | 40326.98201 | 1527.872212 | 82241.4494  |             |
| 46500.90262     | 28471.18671 | 61951.81251 | 20329.49104 |             |
| 62459.04946     |             |             |             |             |
| 11.40_344.6926  | 149750.5035 | 16011.95966 | 27707.53238 |             |
| 43732.78979     | 349193.4126 | 125428.3085 | 19301.85842 |             |
| 18486.10303     | 7653.286993 | 149220.8826 | 19498.04538 |             |
| 49523.84411     | 135721.9897 | 163282.9295 | 516049.8971 |             |
| 372338.9625     | 47162.01673 | 5622.249675 | 42378.23258 |             |
| 74679.01237     | 157562.1852 | 10328.74042 | 304459.1628 |             |
| 189776.4691     | 110350.1345 | 233865.3807 | 86578.66385 |             |
| 289470.9275     |             |             |             |             |
| 11.39_419.2382  | 25332.45494 | 5560.148014 | 121.6249673 |             |
| 74.36508389     | 2462.915789 | 48491.9896  | 4047.332041 | 0           |
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| 24396.62794     | 23916.15042 | 548937.1293 | 34987.12683 |             |
| 17052.0641      | 88.80806448 | 158394.4697 | 184391.7406 |             |
| 20922.55409     | 9666.619799 | 11977.13037 | 50165.43052 |             |
| 2899.71006      | 26361.79244 | 8324.593541 | 8758.55353  |             |
| 11.33_662.0247  | 145056.9263 | 138.7026984 | 0           | 0.399286121 |
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| 133846.8914     | 2785.809972 | 6563.346772 | 255146.2276 |             |
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| 18878.15948     | 2442.77065  | 141666.8648 | 113444.9975 |             |
| 104597.305      | 6094.888389 | 0.010782741 | 80420.83461 |             |
| 11.33_884.4423  | 3360132.651 | 66551.34811 | 445.3563762 |             |
| 29039.16211     | 291259.7818 | 2452627.274 | 64310.98461 |             |
| 4816.050991     | 7734.897301 | 627797.0687 | 562645.8687 |             |
| 1232748.651     | 3059590.219 | 768119.5405 | 10789689.03 |             |
| 2869551.991     | 26973.19613 | 66133.09575 | 1449699.811 |             |
| 4679493.573     | 1774476.251 | 166224.2959 | 1743552.903 |             |
| 6741267.399     | 855522.8037 | 209307.0479 | 33805.02463 |             |
| 1817229.784     |             |             |             |             |
| 11.33_1015.0161 | 884221.2214 | 815.6245653 | 233.8260736 |             |
| 245.7518039     | 863082.3115 | 1440222.929 | 100983.4784 |             |
| 223.6596638     | 141.6536287 | 83809.60822 | 14484.63297 |             |
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| 1083723.481     | 539.7488243 | 8.539597172 | 3563.378737 |
| 1124861.161     | 378841.0938 | 99675.05584 | 404313.2809 |
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| 11.33_1015.5176 | 692299.8511 | 689.9836542 | 121.5792245 |
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| 387.2671816     | 81.9786166  | 72394.08058 | 12883.21326 |
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| 12604.87379     | 42176.70138 | 39842.551   | 178367.3005 |
| 63939.8755      | 16451.8613  | 30625.30275 | 160997.9797 |
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| 4812.316293     | 48229.00783 | 86557.9612  | 13521.60491 |
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| 11.33_597.6259  | 92374.06647 | 111.1983856 | 0           |
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|                 | 42175.79655 | 174022.7222 | 21376.29059 |
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| 11.33_607.7901  | 33494.01804 | 2035.560701 | 11454.76601 |
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| 9333.678519     | 24609.23555 | 7282.78415  | 34968.89323 |
| 665.1693538     | 52715.22838 | 9714.986837 | 51827.81703 |
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| 11.33_677.347   | 456485.7223 | 5757.014762 | 18495.90372 |
| 133674.3251     | 465413.9471 | 685603.6721 | 82326.44747 |
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| 552313.7052     | 217901.1692 | 76823.44235 | 240771.1589 |
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| 11791.23953    | 195746.3299 | 1797104.937 | 46934.66753 |             |
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| 903467.2697    | 2233030.861 | 561048.6938 | 7925328.094 |             |
| 2115695.856    | 15705.40586 | 37643.54559 | 1081245.334 |             |
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| 4985120.757    | 610954.6062 | 157253.3295 | 26754.01892 |             |
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| 11.34_84.9602  | 72302.07079 | 77634.99161 | 85801.07738 |             |
| 73693.26823    | 83403.90239 | 57034.34622 | 66303.66079 |             |
| 80110.66455    | 81161.13191 | 86598.33031 | 70842.47062 |             |
| 65668.02044    | 80531.09062 | 79369.36949 | 73971.81108 |             |
| 61746.87234    | 76504.35313 | 80631.62443 | 103035.2037 |             |
| 81124.63003    | 77811.79852 | 118752.397  | 70795.53173 |             |
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| 11.34_129.9813 | 14275.68522 | 15663.17009 | 19519.27444 |             |
| 14731.54708    | 16688.70442 | 11144.50315 | 13080.16567 |             |
| 16272.03233    | 16300.30515 | 17282.90861 | 13863.56812 |             |
| 12846.22197    | 15847.40258 | 16295.17609 | 14789.35399 |             |
| 11778.11707    | 15321.77207 | 16115.54308 | 20779.51952 |             |
| 15484.60273    | 16559.49234 | 24089.85183 | 14228.75263 |             |
| 14897.48373    | 14761.71265 | 14113.94747 | 14752.17434 |             |
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| 11.34_731.8554 | 474577.4679 | 476.3907202 | 271.4783246 |             |
| 95342.84433    | 304833.4899 | 887016.0858 | 329051.0969 |             |
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| 306986.3186    | 400628.6382 | 824156.577  | 4172802.907 |             |
| 519086.3796    | 339176.9082 | 13933.53087 | 293287.7283 |             |
| 558105.1842    | 315749.1976 | 138681.4935 | 499338.4871 |             |
| 895987.1366    | 29314.03222 | 204929.6053 | 123510.6031 |             |
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| 11.34_732.3568 | 299648.7713 | 824.9226939 | 0           | 61148.14772 |
| 187584.9498    | 553127.9359 | 206203.6973 | 120.228686  |             |
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| 253691.5653    | 505426.9693 | 2561622.468 | 326574.0189 |             |
| 207719.4358    | 9797.205063 | 172472.3908 | 358664.1546 |             |
| 196493.9379    | 86607.39642 | 306950.1394 | 551686.2142 |             |
| 152436.6517    | 122898.5164 | 75560.0186  | 25718.90725 |             |
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| 239.9706809    | 29710.17742 | 373560.1916 | 2110.38303  | 0           |
| 0              | 36268.53807 | 51816.51509 | 165959.8221 |             |
| 376813.1895    | 87942.77059 | 1611967.653 | 413250.0278 |             |
| 216.5298885    | 14.159845   | 207839.5489 | 565114.0929 |             |
| 177827.5088    | 6229.216608 | 158689.4378 | 843011.5999 |             |
| 121460.3735    | 16427.57654 | 459.1049876 | 230573.3401 |             |
| 11.34_895.9348 | 283582.8774 | 0           | 90.141109   | 143.1584381 |
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| 264119.0357    | 59517.73332 | 1197555.11  | 289057.184  |             |
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|                | 121940.2318 | 3139.550386 | 111117.4467 | 614517.0337 |
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| 11.35_597.2919 | 105227.0962 | 158.2611499 | 345.3024405 |             |
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| 26.36144996    | 30.94299901 | 12056.79152 | 14899.26942 |             |
| 35132.94415    | 99846.30655 | 19642.11085 | 196447.4335 |             |
| 72282.98867    | 3957.966527 | 509.2564269 | 21179.9977  |             |
| 149313.5784    | 46441.74488 | 1736.280057 | 45916.51973 |             |
| 209241.9152    | 24524.18159 | 6544.169912 | 1551.265126 |             |
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| 11.36_346.8492 | 69487.85466 | 6920.570306 | 5098.626401 |             |
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| 61.43742283    | 402.9072054 | 23995.36761 | 22873.807   |             |
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| 259809.6986    | 17105.14086 | 548.9897763 | 10030.91932 |             |
| 122360.9312    | 1691.049797 | 14839.90723 | 10397.50327 |             |
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| 11.36_347.1836 | 34627.05852 | 3305.40046  | 2239.588612 |             |
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| 26.56948916    | 91.64166197 | 11038.64796 | 12026.58798 |             |
| 3197.600633    | 30573.87025 | 11511.32132 | 78406.91182 |             |
| 4788.487302    | 19180.33081 | 3983.672383 | 47908.54939 |             |
| 135283.4499    | 8439.813864 | 312.0027002 | 4733.52517  |             |
| 61436.6394     | 956.1584699 | 6661.211905 | 4865.793804 |             |
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| 11.36_519.7703 | 508733.4633 | 50277.56403 | 33866.32538 |             |
| 12733.72325    | 100120.7018 | 288917.8444 | 81989.30517 |             |
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| 94583.19925    | 302580.5632 | 60710.30851 | 791863.9343 |             |
| 2105205.979    | 121588.0856 | 7424.038938 | 74774.5825  |             |
| 961714.1447    | 21333.15796 | 107258.9352 | 71624.05402 |             |
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| 11.36_520.2719 | 237623.6873 | 22130.36402 | 16222.97092 |             |
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| 1465.583071    | 3105.666489 | 76655.04065 | 78155.3124  |             |
| 27076.85795    | 209463.8061 | 80853.9903  | 607299.3421 |             |
| 42018.78377    | 138739.8364 | 27395.59277 | 360107.1598 |             |
| 993033.2299    | 55214.69244 | 6339.599229 | 34815.2437  |             |
| 445005.5999    | 9843.112255 | 47805.44585 | 33416.44802 |             |
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| 11.37_611.8126 | 698022.5268 | 150961.5932 | 58585.01072 |             |

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| 9518.243634    | 402662.5984 | 1812592.483 | 240961.1915 |             |
| 3850.197107    | 107902.8853 | 129169.9272 | 658273.3081 |             |
| 231097.4514    | 642580.184  | 301219.3509 | 5793990.811 |             |
| 1760110.966    | 771708.0534 | 233923.9471 | 2180758.177 |             |
| 494164.4694    | 1019028.625 | 233221.5768 | 362334.5831 |             |
| 1495044.373    | 99898.85796 | 412489.1554 | 397631.7574 |             |
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| 11.37_612.314  | 435001.234  | 90890.07091 | 37827.25148 |             |
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| 2069.045018    | 65602.91037 | 77874.34466 | 415941.601  |             |
| 149831.8165    | 400101.3406 | 184895.0551 | 3637170.323 |             |
| 1114265.772    | 487369.2756 | 153063.3357 | 1368767.86  |             |
| 312740.9627    | 631089.0583 | 169608.5259 | 229750.7474 |             |
| 927660.2268    | 59574.17169 | 261163.3492 | 255945.0649 |             |
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| 11.37_408.5452 | 103960.6843 | 25056.68833 | 10561.01173 |             |
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| 65999.93952    | 161911.6982 | 39927.58202 | 57692.36055 |             |
| 211154.5827    | 14255.82186 | 63421.4844  | 63362.53925 |             |
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| 11.37_577.7853 | 54439.98175 | 25959.92248 | 4446.337308 |             |
| 222525.2884    | 14776.61078 | 15530.15696 | 27197.60014 |             |
| 2068.995355    | 5223.794801 | 1655.552795 | 72551.82861 |             |
| 14722.77974    | 41497.66274 | 1822.365516 | 313799.2744 |             |
| 15183.58768    | 1476.235604 | 206122.3766 | 103160.5624 |             |
| 19721.05234    | 26768.50256 | 9099.84109  | 14599.89209 |             |
| 5938.169783    | 177599.6338 | 36647.54658 | 65470.81227 |             |
| 20290.16997    |             |             |             |             |
| 11.37_588.2747 | 37510.48525 | 10873.08817 | 816.0811758 |             |
| 278285.6477    | 14284.85701 | 10222.92772 | 25748.59792 | 0           |
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| 33380.36189    | 1626.428719 | 170924.9904 | 11305.6964  |             |
| 1115.912234    | 206330.6907 | 86548.15415 | 14168.21033 |             |
| 22438.23814    | 10153.50724 | 9645.559531 | 4096.431077 |             |
| 198016.4684    | 38510.29651 | 67197.32237 | 21631.51516 |             |
| 11.33_589.9642 | 99326.23875 | 596.5105958 | 0           | 0           |
| 3484.285349    | 69799.23813 | 394.1267201 | 70.30341464 |             |
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| 3402.066884    | 1.223451826 | 53089.88814 |             |             |
| 11.52_696.3681 | 195456.1771 | 41.5760078  | 0           | 0           |
| 20157.4197     | 87243.21552 | 10552.86868 | 56.93261717 |             |
| 40.89357741    | 6527.396311 | 16831.14433 | 6076.83142  |             |
| 160731.9802    | 2441.669648 | 534487.4702 | 78033.08505 |             |
| 182.866539     | 0           | 32946.67255 | 311470.9391 | 2011.048393 |

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| 11.18_581.2737 | 262071.7299 | 13649.24844 | 3536.537331 |             |
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| 148.8107211    | 1245.91683  | 75849.69506 | 124045.8237 |             |
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| 104868.495     | 54792.93586 | 73727.00077 | 88743.79427 |             |
| 45969.24287    | 268051.4645 | 159471.7906 | 138293.5938 |             |
| 73610.68494    |             |             |             |             |
| 11.17_625.3011 | 15342.23851 | 9507.973782 | 2621.230195 |             |
| 347350.4054    | 90318.16839 | 14669.89683 | 28802.41949 |             |
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| 35308.07212    | 10716.91703 | 1556.694016 | 63121.27382 |             |
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| 92841.61593    | 42400.56186 | 3691.125086 | 22637.70224 |             |
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| 12192.31747    | 49540.54262 | 26593.80696 | 78675.24427 |             |
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| 596220.445     | 410400.5818 | 283768.0167 | 1606823.261 |             |
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| 1020724.112    | 743347.1893 | 1208261.971 | 3952677.54  |             |
| 1739425.523    | 1224480.097 | 812007.9596 | 4623998.341 |             |
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| 874881.4827    | 503202.3674 | 671559.2872 | 231290.1659 |
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| 17042.28353    | 79777.203   | 241664.1747 | 158917.9024 |             |
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| 11.11_597.2812 | 78947.42959 | 260.7747666 | 261.5481351 |             |
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| 132629.176     | 799203.7585 | 361626.7163 | 475366.8287 |             |
| 473028.7307    | 515306.529  | 526052.9849 | 559744.85   |             |
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| 42.50499806    | 580.3918852 | 7580.388276 | 38900.64001 |   |
| 38851.67502    | 199254.7269 | 27697.10008 | 266723.5406 |   |
| 103199.4249    | 2294.316431 | 19723.2532  | 107407.8999 |   |
| 40896.57217    | 52575.66415 | 49457.13698 | 42550.04998 |   |
| 34753.20077    | 84691.58187 | 33622.09559 | 12331.28288 |   |
| 538.6413841    |             |             |             |   |
| 11.08_303.2139 | 7174.300539 | 24159.67719 | 12483.42543 |   |
| 7032.106063    | 19396.72482 | 19121.97931 | 9291.786451 |   |
| 9940.367062    | 4600.543114 | 19821.42679 | 22565.92164 |   |
| 12445.49998    | 10937.43118 | 4015.203012 | 21108.9205  |   |
| 62156.7191     | 10891.94851 | 5623.719899 | 30101.56618 |   |
| 10371.86996    | 20771.77995 | 40385.44069 | 22424.27144 |   |
| 44929.92327    | 95812.26667 | 31020.46463 | 10928.43672 |   |

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| 71909.13272     |             |             |             |   |
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| 16807.16083     | 9942.119107 | 22759.09245 | 299587.4499 |   |
| 2347.185046     | 293376.2886 | 9074.041627 | 212648.2913 |   |
| 21446.80161     | 3948.457876 | 2433.343753 | 25336.53857 |   |
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| 1271673.958     | 129340.9651 | 2316515.767 | 750585.6907 |   |
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| 322314.2035     | 341387.1263 | 291946.0193 | 235581.6545 |   |
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| 470766.7897     | 201479.3019 | 31193.42378 | 1880.075661 |   |
| 11.09_423.2224  | 19494.18035 | 12979.32387 | 206091.8367 |   |
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| 19720.31708     | 90387.44314 | 18598.75303 | 47127.67576 |   |
| 83188.21915     | 19320.2766  | 78745.19815 | 401604.4675 |   |
| 88887.90279     | 197140.6509 | 74712.72596 | 472764.7522 |   |
| 20006.55257     | 55870.58531 | 147776.1387 | 66312.84185 |   |
| 46991.65046     | 55285.92053 | 134339.4836 | 160582.4341 |   |
| 34034.76627     |             |             |             |   |
| 11.09_389.5379  | 16379.61113 | 2439.64599  | 39548.76363 |   |
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| 10460.01165     | 13814.78281 | 18243.67438 | 492784.2037 |   |
| 25634.70994     | 117244.8314 | 20155.31923 | 185539.373  |   |
| 20145.53944     | 11810.85676 | 3989.474463 | 28975.98675 |   |
| 23433.20858     | 939.4928151 | 41875.78997 | 26580.21711 |   |
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| 11.09_413.2142  | 67671.96577 | 15190.81415 | 184147.188  |   |
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| 202391.9577     | 69054.45759 | 48817.75743 | 206711.3284 |   |
| 160292.5368     | 87293.51779 | 87562.60344 | 262738.8046 |   |
| 66760.12744     | 89653.99949 | 169796.5905 | 63680.44004 |   |
| 89544.7598      | 271331.0482 | 108825.1742 | 151951.1118 |   |
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| 11.10_389.2035  | 38967.70299 | 8245.946564 | 99388.11806 |   |
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| 30133.93237    | 32238.89119 | 53772.39359 | 1053578.77  |             |
| 55503.87184    | 244102.9631 | 44440.69772 | 413145.0722 |             |
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| 46475.66703    | 5830.556412 | 102119.7014 | 65367.59589 |             |
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| 11.10_667.334  | 50509.4498  | 3030.412869 | 489.7954656 |             |
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| 40383.64951    | 21812.92218 | 303347.5047 | 744653.1692 |             |
| 43224.78279    | 2484.548428 | 2322.195387 | 100968.5911 |             |
| 84531.47483    | 16963.93593 | 275593.6157 | 360252.5992 |             |
| 14580.95911    | 50449.94909 | 8081.971374 | 1270.3601   |             |
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| 11.10_678.325  | 5173.387762 | 117.815986  | 78.15774333 |             |
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| 17186.82293    | 192.8210825 | 614.822109  | 39732.92394 |             |
| 54106.67361    | 5596.526689 | 138870.0313 | 178274.6149 |             |
| 7185.559567    | 40180.17077 | 1739.186554 | 702.6381242 |             |
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| 106.4589866    | 0           | 115801.4928 | 10547.4824  | 13326.28132 |
| 4216.157262    | 113718.7247 | 122322.1685 | 7644.224521 |             |
| 318.0147417    | 601.5796781 | 20039.12322 | 25490.56795 |             |
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| 35246.08041    | 58.7064083  | 42993.66257 | 31189.41348 |             |
| 12276.74855    | 13443.89299 | 3586.38801  | 8976.299713 |             |
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| 13382.85354    | 284.9863833 | 34450.41807 |             |             |

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| 11.52_680.6974 | 916728.3379 | 2312.291437 | 465.2144786 |
| 1134.139628    | 262665.4058 | 707550.4134 | 3527.930927 |
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| 15.29776273    | 24760.35613 | 87186.39683 | 10663.93335 |
| 0.067819924    | 0.17034413  | 9056.121022 | 15175.68678 |
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| 74815.41749    | 0           | 119.4589294 | 32027.15655 |
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| 12.12_520.7767 | 56884.88999 | 399.4172112 | 115.5313202 |
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| 171502.4315    | 117.5103216 | 357.3427596 | 636.439414  |
| 56130.60001    | 27169.75511 | 9247.41041  | 46869.8247  |
| 137657.8259    | 14768.33327 | 2671.444022 | 134.5493862 |
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| 12.13_632.0028 | 136397.8839 | 506.0425674 | 138.0310184 |
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| 178.1014303    | 413.0594523 | 17308.07497 | 1738.331035 |
| 19855.83944    | 129669.0192 | 5509.703566 | 16200.61611 |
| 31371.35298    | 59.8161983  | 286.1105665 | 2027.055994 |
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| 556245.0972    | 9351.690482 | 2468.390108 | 444.1552894 |
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| 12.13_632.3371 | 119837.7325 | 595.8398116 | 82.66758872 |
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| 271.5297941    | 176.2661671 | 14168.09894 | 1577.934957 |
| 17618.03118    | 112434.1683 | 5123.057937 | 18090.86365 |
| 31586.22248    | 36.40102902 | 153.4375349 | 682.4101036 |
| 1027520.722    | 8347.165223 | 1677.390978 | 25632.71724 |
| 476845.1247    | 10180.56659 | 1099.247751 | 451.8674172 |
| 24536.88315    |             |             |             |
| 12.14_534.2867 | 52393.33019 | 1333.077427 | 128.3656431 |
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| 335.2814482    | 459.4413038 | 66316.46176 | 15444.49647 |



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| 29973.12531    | 50613.21889 | 9490.79627  | 61437.2792  |
| 51725.69079    | 1072.380637 | 1775.342562 | 23411.60235 |
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| 81995.51674    | 22569.60869 | 10160.68949 | 2936.011872 |
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| 12.14_533.5347 | 287928.3238 | 5059.203599 | 836.7279946 |
| 775.1752637    | 49204.4122  | 282656.2293 | 10579.00722 |
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| 132636.0726    | 257878.4361 | 40237.79928 | 352055.782  |
| 272349.2681    | 724.9648029 | 748.8594693 | 126972.7295 |
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| 12.14_711.0436 | 723747.3008 | 11542.50531 | 1148.685793 |
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| 685819.3975    | 1543.310624 | 952.556439  | 310958.3835 |
| 422729.1685    | 210977.8053 | 123123.4953 | 658494.2777 |
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| 12.14_711.3778 | 703291.9276 | 11435.2312  | 1408.514339 |
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| 5045.317486    | 2643.559248 | 957781.4859 | 186068.1605 |
| 319611.8336    | 640314.4551 | 91321.59118 | 877361.7358 |
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| 12.14_711.7121 | 399460.0168 | 5964.711418 | 789.7189156 |
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| 179768.4975    | 363444.7885 | 50675.78973 | 480386.0997 |
| 382581.6634    | 568.6725398 | 496.8214185 | 169598.9951 |
| 237069.1487    | 115788.317  | 65705.06224 | 368642.8696 |
| 674896.854     | 135881.9365 | 57001.26783 | 1564.931746 |
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| 455.3146861    | 28808.7851  | 170663.1425 | 6758.136759 |
| 1276.399946    | 653.624257  | 242256.0536 | 51914.08793 |
| 79710.46462    | 159911.3542 | 24743.08316 | 211675.209  |
| 163077.7699    | 411.9603998 | 374.2321924 | 76445.413   |
| 98574.77174    | 60762.4942  | 36069.0311  | 176652.9954 |
| 282485.7161    | 60054.26995 | 28071.62071 | 749.2990509 |
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| 12.16_727.0474 | 355022.8407 | 2283.331006 | 307.616632  |
| 674.8581627    | 42677.9717  | 289722.3278 | 11759.01527 |
| 1397.159896    | 622.3080403 | 269381.0956 | 20615.93324 |
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| 316894.0578     | 178270.0089 | 20191.39656 | 258221.9711 |
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| 179329.7447     | 150.3366951 | 72.88759213 | 977.6689428 |
| 181108.7012     | 102215.9437 | 8489.939277 | 145739.8475 |
| 424379.3814     | 208154.772  | 7900.347807 | 229.5543471 |
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| 12.17_727.3818  | 355135.0948 | 2899.58193  | 394.027319  |
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| 108406.6199     | 342123.6455 | 18301.74701 | 94182.95205 |
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| 1244.050233     | 527.7690157 | 14701.19397 | 1387.845063 |
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| 635679.8605     | 46.21411423 | 278.0553842 | 2206.200303 |
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| 2622.082089     | 2033.690533 | 52704.85974 | 26391.33922 |
| 295456.4166     | 355939.9475 | 75919.63587 | 291068.5589 |
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| 1009964.056     | 56848.23107 | 47042.12805 | 211743.757  |
| 277367.9948     | 634526.7727 | 76153.28537 | 21692.18496 |
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| 12.21_772.8958  | 389225.0618 | 949.3811216 | 140.9902737   |
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| 280021.8253     | 676551.6919 | 4840.954472 | 286.4869953   |
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| 1114.359175     | 371.1658072 | 16153.64612 | 2361.582627   |
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| 251640.8521     | 43.21343449 | 35.495305   | 262.6499258   |
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| 161924.1636     | 386765.7053 | 2368.723709 | 215.6858594   |
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| 191859.9214     | 224004.5017 | 14111.67044 | 129949.9337   |
| 272420.2036     | 14.19059509 | 55.40650273 | 0 465293.5583 |
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| 1685.326814     | 15983.25185 | 1681.368674 | 5347.022046   |
| 12.26_681.6864  | 231546.0762 | 21306.57849 | 869.384062    |
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| 1052.058051    | 10949.73837 | 2294.703287 | 197870.3427 |
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| 425064.409     | 67717.57323 | 20066.36117 | 79154.08957 |             |
| 254772.3807    | 81060.26014 | 17380.55131 | 2510.099416 |             |
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| 47523.75085    | 23881.44929 | 47090.1191  | 85548.31543 |             |
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| 434874.4795    | 271214.9433 | 124060.6287 | 965570.6267 |             |
| 508412.585     | 2993.772979 | 4112.145406 | 101526.4837 |             |
| 691522.0626    | 257152.291  | 79367.50135 | 313974.7426 |             |
| 597572.4667    | 158011.0089 | 51456.45429 | 5240.977878 |             |
| 417475.1581    |             |             |             |             |
| 12.04_761.377  | 691624.241  | 75723.72231 | 2115.172776 |             |
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| 4399.00464     | 4110.331355 | 420333.5374 | 207620.5694 |             |
| 427164.181     | 541036.1509 | 857246.4719 | 1461928.744 |             |
| 315272.0452    | 62278.39313 | 17721.05755 | 676381.402  |             |
| 127502.2646    | 258306.274  | 6118.054545 | 294522.0581 |             |
| 109778.8995    | 301447.0542 | 660945.4655 | 115673.9249 |             |
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| 12.04_761.7113 | 481047.1384 | 49300.10896 | 1901.138448 |             |
| 13476.98911    | 160223.2119 | 467977.6772 | 65910.16236 |             |
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| 278964.4962    | 374058.6374 | 705510.9123 | 782867.1932 |             |
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| 325087.7491    | 156.4451529   | 41.74901304 | 513.183727  |   |
| 444685.9619    | 31223.9147    | 2525.734996 | 96333.39762 |   |
| 793161.0811    | 163793.2099   | 533.3964695 | 169.574715  |   |
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| 516195.0468    | 1408960.35    | 72241.13737 | 1162326.936 |   |
| 1833144.381    | 822.2129655   | 649.1252848 | 19034.16126 |   |
| 2822331.014    | 364470.3645   | 67937.81744 | 807895.9916 |   |
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| 162264.6959    | 437842.2751   | 26349.25045 | 377515.9453 |   |
| 526016.7595    | 246.3104532   | 720.2535096 | 8689.102243 |   |
| 843511.516     | 139018.8235   | 26968.92561 | 266368.2585 |   |
| 1326153.177    | 306422.2507   | 9243.601972 | 742.7579449 |   |
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| 276421.3725    | 621956.5628   | 224592.2378 | 1100808.916 |   |
| 489397.2833    | 24478.07437   | 7288.64362  | 405320.1344 |   |
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| 210481.2791    | 11145.9598    | 170893.3844 | 250248.0667 | 0 |
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| 8216.272025    | 12072.53642 | 61.6226722  | 282824.7412 |
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| 236515.9188    | 61421.53856 | 69605.7739  | 93514.60191 |             |
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| 672586.2458    | 815.3246273 | 1106.712748 | 7784.526577 |             |
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| 43076.20783    | 4900.488376 | 4451.337947 | 23547.59591 |
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| 11.95_432.9012 | 28212.55277 | 7869.674491 | 11674.43713 |
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| 779132.4162    | 1068.941262 | 1348.588232 | 6026.649695 |             |
| 625250.653     | 830513.953  | 175995.0258 | 949934.3298 |             |
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| 10.87_526.2718 | 38915.55172 | 53212.1389  | 26948.84685 |             |
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| 2994.643736    | 16803.12511 | 34420.47552 | 166469.8039 |             |
| 131365.8821    | 45915.55916 | 157722.8689 | 383115.773  |             |
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| 90340.20261    | 19625.84777 | 7896.046174 | 2855.381599 |            |
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| 168271.5633    | 44564.4564  | 30874.57506 | 45500.60473 |            |
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| 476456.9207    | 26988.63853 | 1781.318254 | 78869.76381 |
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| 146199.9153    | 88592.52965 | 9389.797502 | 63622.83426 |
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| 160112.7498    | 94403.10403 | 104964.3663 | 154036.4679 |
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|                | 235829.2802 | 9526.761081 | 49865.57669 |
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| 52653.38546    | 80929.08139 | 26265.98488 | 9019.83246  |
| 24556.6226     | 8851.59671  | 2586.660574 | 85635.3383  |
| 47288.10775    | 10981.53865 | 36233.54632 | 36324.38074 |
| 35618.76772    | 51212.66559 | 34997.92294 | 31419.27489 |
| 10060.53981    | 47871.66716 | 32759.60108 | 9525.784387 |
| 19706.53253    | 20583.62184 | 27695.19739 | 45550.51848 |
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| 56168.2041     | 135259.0387 | 186753.0712 | 305007.0806 |
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| 24035.68434    | 163652.3206 | 44474.23147 | 75336.78394 |             |
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| 10.11_538.7597 | 5124738.204 | 878427.27   | 326306.1714 |             |
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| 1878018.297    | 2213381.995 | 2404156.889 | 6400579.392 |             |
| 1705750.747    | 1519985.087 | 431730.1399 | 2267195.088 |             |
| 2748707.678    | 1451988.308 | 8885.228673 | 1324157.282 |             |
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| 338884.9643    | 677932.3094 | 504926.5234 | 279241.2604 |
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| 17222.90741    | 37657.94579 | 78180.14523 | 28016.40036 |
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| 55749.97951    | 295630.9503 | 57798.86119 | 41342.04769 |
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| 107153.6447   | 66008.47535 | 342695.7258 | 130171.5001 |
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| 33311.57594   | 39068.13635 | 9025.897776 | 8821.056111 |
| 6315.897897   | 27426.39475 | 4317.236332 | 24274.6615  |
| 25982.3509    | 6489.203996 | 38832.75091 | 79676.80833 |
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| 8878.567655   | 21935.89434 | 36172.68268 | 17538.24836 |
| 26354.97309   | 11097.0798  | 49302.59877 | 60936.05394 |
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| 1692932.664   | 586084.9365 | 396025.3229 | 2302350.587   |
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| 6295.771267    | 29062.79839 | 34104.8152  | 21879.93063 |             |
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| 75078.5513     | 1030055.578 | 234233.7519 | 291155.3618 |             |
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| 510651.2496    | 668331.46   | 765082.8081 | 2023231.784 |             |
| 456179.8564    | 334556.7491 | 229990.0709 | 214916.0756 |             |
| 291280.885     | 139485.3546 | 11917.08773 | 381018.8536 |             |
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| 1458.490731    | 113151.4174 | 69.95543339 | 0           |             |
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| 58589.18871     | 165377.5509 | 7032.018658 | 0           | 131616.5048 |
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| 189.3431918     | 0           | 493.2594154 | 567014.0273 | 440333.2346 |
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|                 | 55805.55047 | 86593.23459 | 1356296.342 | 0           |
|                 | 0           | 379013.7496 | 289947.5357 | 350029.1696 |
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| 10.62_1012.5208 | 41504.57612 | 2428.672668 | 41624.35233 |             |
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| 73437.95673     | 45709.90758 | 180856.0724 | 984488.881  |             |
| 54735.83385     | 168228.236  | 298307.2758 | 667822.6704 |             |
| 8792.764053     | 82741.38548 | 9967.298982 | 20054.28595 |             |
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| 20032.04823     |             |             |             |             |
| 10.67_565.8015  | 221525.8326 | 557294.8018 | 4100252.433 |             |
| 5348162.844     | 1606511.763 | 644299.7423 | 765369.6326 |             |
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| 986220.3128     | 221853.7436 | 942734.0072 | 5851449.333 |             |
| 636719.7293     | 4643114.878 | 6914115.101 | 11403368.47 |             |
| 140651.3814     | 876408.1766 | 2286021.346 | 1026836.442 |             |
| 540719.6388     | 399319.2993 | 3758412.189 | 6774284.868 |             |
| 343477.6638     |             |             |             |             |
| 10.67_566.3029  | 180739.1813 | 296177.6602 | 2214095.825 |             |
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| 539057.4476     | 173810.3241 | 509089.4656 | 3152927.854 |             |
| 370693.784      | 2497914.009 | 3740028.57  | 6146667.91  |             |
| 79881.51833     | 478579.2397 | 1213244.722 | 545020.6357 |             |
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| 10.67_579.8045  | 160315.0179 | 14211.87618 | 2568.672068 |             |
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| 119865.4636    | 151613.807  | 133518.5122 | 522187.7475 |   |
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| 456391.2194    | 165713.9593 | 43181.42714 | 72993.99823 |   |
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| 10.67_580.3059 | 77251.86416 | 11086.81953 | 6583.27067  |   |
| 104446.3239    | 29124.57016 | 60240.42734 | 10783.71245 |   |
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| 224530.2599    | 83598.98227 | 18890.29543 | 31169.67755 |   |
| 103856.1051    | 5019.365448 | 39377.50801 | 65747.45968 |   |
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| 134032.4549    | 97729.40792 | 119705.6876 | 674340.572  |   |
| 51471.01133    | 353948.4515 | 186187.3515 | 654101.4841 |   |
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| 31045.40028    | 220453.344  | 120703.8403 | 373500.7138 |
| 28579.80746    | 21361.06344 | 9209.09827  | 38442.94069 |
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| 85341.72145    | 86720.22348 | 83788.57213 | 35225.10327 |
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| 771969.6386    | 229626.6981 | 696949.6972 | 694088.5598   |
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| 542639.9135    | 280566.3961 | 171850.7484 | 114447.9978   |
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| 91725.43432    | 489951.3632 | 242464.4455 | 286427.6257   |
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| 313856.4441    | 30435.85125 | 44150.74266 | 29952.05966 |
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| 28469.27918    | 30965.42944 | 135430.8535 | 160994.8434 |
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| 59858.47539     | 69321.78467 | 78254.19005 | 543960.7043 |             |
| 218396.7066     | 248194.4367 | 501701.8369 | 1828615.889 |             |
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| 77097.62858     | 44396.15018 | 44328.17416 | 532465.3682 |             |
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| 36868.32102     | 143368.949  | 270746.146  | 50715.78889 |             |
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| 73594.55278     | 43262.72682 | 116481.391  | 353784.8761 |             |
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| 63262.96919     | 84953.98548 | 171055.1638 | 34117.39347 |             |
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| 71902.67003     | 24987.22555 | 45596.12625 | 65250.60433 |             |
| 5499.51827      | 20499.13282 | 25172.46876 | 11761.01882 |             |
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| 264815.5041     | 95735.61433 | 274603.3702 | 374048.3928 |             |
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| 16989.96261    | 9150.244354 | 27744.88103 | 83769.62704 |             |
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| 14191.16896    | 28156.11668 | 8080.947838 | 50101.70499 |             |
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| 53345.11469    | 29991.00446 | 12370.44519 | 15178.87496 |             |
| 18414.69393    | 61192.4897  | 6562.521846 | 107050.1507 |             |
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| 164689.7487    |             |             |             |             |
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| 224433.6977    | 151268.0432 | 190332.5472 | 844252.7981 |
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| 48373.81919    | 829656.3725 | 144925.5072 | 80154.75108 |
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| 19762997.35     | 3506702.56  | 1690447.259 | 7947954.417   |
| 3224524.6       | 6416930.341 | 572509.6421 | 9349664.034   |
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| 9466668.253     | 1605012.942 | 804594.32   | 3757475.901   |
| 1531541.04      | 3053488.364 | 261049.9842 | 4441703.438   |
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| 60241.50245    | 7376.973599 | 132290.2494 | 108501.6473 |             |
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| 699674.7664    | 1873440.538 | 2265504.178 | 2779311.508 |             |
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| 672841.2759    | 43940.72803 | 247079.2014 | 745259.2114 |             |
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| 22790.70143    | 31084.17181 | 4838.697227 | 21315.6864  |             |
| 5310.005084    | 6217.733071 | 61066.07137 | 44257.34507 |             |
| 13268.95306    | 24924.44713 | 207917.3245 | 18325.53234 |             |
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| 4771.349413    | 33261.30757 | 30946.1529  | 78266.63205 |
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| 17511.59581    | 48383.55547 | 61545.96255 | 77721.85135 |
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| 144496.4939   |             |             |             |             |
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| 30657.05055   | 28044.75169 | 23255.00318  | 17186.89701 |   |  |
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| 0             | 0 0         | 0 0          | 0 0         |   |  |
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| 1.57_214.0897 | 0           | 0           | 0 | 0           | 127926.2186 | 0 |
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| 45723.02733   | 40951.5155  | 44381.20307 |   | 37668.98911 |             |   |
| 36861.91258   | 35956.62312 | 40170.84197 |   | 20303.62746 |             |   |
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| 1.57_347.2981 | 18563639.3  | 19044450.89 | 15320596.16 |             |             |
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| 22080323.12   | 22294800.59 | 20949061.42 | 18016523.5  |             |             |
| 18265724.51   | 20530223.73 | 20827303.14 | 12928982.77 |             |             |
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| 13347175.56   | 8309517.678 | 24831937.92 | 17400826.49 |             |             |
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| 365831.7756   | 345311.2472 | 308810.5333 | 252975.6683 |             |             |
| 343890.5935   |             |             |             |             |             |
| 1.57_369.2803 | 8157.918801 | 8735.991442 | 0           | 381.9539943 |             |
|               | 11059.09867 | 8012.963446 | 5391.854827 | 10762.77048 |             |
|               | 10110.21    | 8425.791608 | 6421.736112 | 9500.319741 |             |
|               | 10393.92604 | 8003.731597 | 0           | 1969.434079 | 0           |
|               | 4892.152593 | 6537.088299 | 0           | 2589.039981 |             |
| 397.2779778   | 2162.278777 | 11174.25348 | 6189.037174 |             |             |
| 250.2583431   | 293.3621056 | 7597.097624 |             |             |             |
| 1.57_371.3267 | 197106.8785 | 12576.15223 | 79853.39655 |             |             |
| 42401.54263   | 25238.49699 | 11791.55845 | 11225.67642 |             |             |
| 46342.25106   | 15796.57842 | 84488.55987 | 8236.957177 |             |             |
| 14051.92566   | 202077.139  | 15965.88438 | 43697.18661 |             |             |
| 16141.75885   | 3446.600344 | 69687.29598 | 1096374.367 |             |             |
| 31690.64385   | 24858.45709 | 25964.04059 | 17904.29361 |             |             |
| 20171.55157   | 13713.55571 | 10220.7289  | 9829.871135 |             |             |
| 10861.13065   |             |             |             |             |             |
| 1.57_172.1332 | 21273.851   | 8490.585391 | 8147.910544 |             |             |
| 5757.750182   | 26888.77423 | 650886.8121 | 22237.67428 |             |             |
| 19492.50435   | 8662.307124 | 57596.79819 | 31173.89614 |             |             |
| 13873.35118   | 23278.71415 | 37145.8289  | 10345.55733 |             |             |
| 12775.44146   | 22374.85991 | 44201.47293 | 13351.88356 |             |             |
| 34515.96519   | 17001.62854 | 30696.67916 | 14517.15037 |             |             |
| 14259.33038   | 25047.05516 | 10988.04354 | 6968.495463 |             |             |
| 16337.72301   |             |             |             |             |             |
| 1.57_146.0635 | 12.93128317 | 35973.66708 | 43.24109441 |             |             |
| 14.29703135   | 1.639224525 | 48.25861538 | 0           | 7.028994444 |             |
| 0             | 0           | 0.691495291 | 0           | 0           |             |
| 15.9015775    | 6.65596893  | 9.639469503 | 0           | 10271.92275 |             |
| 0             | 23406.03481 | 34.03714254 | 176749.7035 |             |             |
| 0.788669985   | 0           | 254186.3176 | 59.7054675  | 1.228526456 |             |
| 1.56_510.3379 | 0           | 4727.519936 | 0           | 0           | 0           |
| 0             | 0           | 1544.342433 | 1132.875462 | 0           | 0           |
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| 0             | 1037.013895 | 843121.3672 | 13.31229911 |             |             |
| 23.27207041   | 0.185768411 | 0           | 0           | 0           | 16.23306089 |

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|---------------|-------------|-------------|-------------|-------------|---|--|
| 0             |             |             |             |             |   |  |
| 1.56_488.3946 | 7210.98252  | 21287.89124 | 0           | 4828.00326  |   |  |
| 528.7389648   | 2825.134425 | 226.8887647 |             | 276601.7257 |   |  |
| 15497.50671   | 2380.89106  | 2200.57123  |             | 566.6490463 |   |  |
| 478.3670848   | 506.3026379 | 0           | 740.4638392 |             |   |  |
| 629.8326102   | 7160.286872 | 1407.195781 | 0           | 2602.923202 |   |  |
| 19688.4624    | 4469.613755 | 7349.661263 |             | 4787.012138 |   |  |
| 160749.9592   | 155.3789013 | 2359.808273 |             |             |   |  |
| 1.55_620.4216 | 0           | 105930.6669 | 0           | 0           | 0 |  |
| 0             | 2180.430013 | 16382.25872 | 0           | 0           | 0 |  |
| 0             | 212.8797696 | 0           | 0           | 0           |   |  |
| 226.839201    | 11785716.31 | 1824.125453 | 0           | 188.2868322 |   |  |
| 3192.862207   | 40.91879812 | 0           | 0           | 2.80920226  |   |  |
| 1.55_650.4321 | 241.9015876 | 1403.431979 | 180058.6351 |             |   |  |
| 1261.394836   | 0           | 0           | 2653.917288 | 23881.60444 |   |  |
| 60.19551286   | 374.9555105 | 0           | 228.0984989 |             |   |  |
| 427.1140952   | 330.385899  | 0           | 0           | 764.04835   |   |  |
| 16037725.86   | 1266.828095 | 2325.91352  | 0           |             |   |  |
| 681.4747822   | 0           | 1417.327285 | 56280.93682 | 0           |   |  |
| 1.55_664.4477 | 0           | 98347.99626 | 0           | 0           | 0 |  |
| 0             | 3150.721367 | 17322.71734 | 0           | 0           |   |  |
| 95.62857277   | 0           | 0           | 0           | 61.48500661 |   |  |
| 273.1773172   | 10554748.22 | 0           | 0           | 0           | 0 |  |
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| 1.55_694.4582 | 0           | 130395.9031 | 0           | 0           | 0 |  |
| 0             | 2349.917734 | 18972.81115 | 69.28093596 | 0           |   |  |
| 0             | 0           | 0           | 0           | 0           | 0 |  |
| 13069901.61   | 228.8349628 | 1553.089088 | 0           |             |   |  |
| 3.478593209   | 0           | 0           | 0           |             |   |  |
| 1.55_708.4739 | 94.72867334 | 0           | 74857.81001 | 0           | 0 |  |
| 0             | 166.4844659 | 1101.099917 | 10546.35933 | 0           |   |  |
| 0             | 0           | 281.2311003 | 0           | 0           | 0 |  |
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| 0             | 91.33208726 | 777.0447358 | 0           | 0           |   |  |
| 1.55_738.4844 | 0           | 388.3028276 | 60195.36334 | 0           | 0 |  |
| 91.38845621   | 0           | 3677.828046 | 5599.084536 |             |   |  |
| 348.3942122   | 0           | 0           | 0           | 0           | 0 |  |
| 0             | 11.47967685 | 6767915.854 | 0           | 17147.51966 |   |  |
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| 1.55_752.5    | 0           | 23099.0252  | 0           | 0           | 0 |  |
| 0             | 587.5810837 | 1012.731232 | 0           | 0           | 0 |  |
| 0             | 0           | 0           | 0           | 0           |   |  |
| 4330763.542   | 0           | 0           | 0           | 0           | 0 |  |
| 0             |             |             |             |             |   |  |
| 1.55_782.5105 | 19.74312096 | 403.3643058 | 22893.17579 | 0           |   |  |
| 0             | 0           | 2555.684398 | 653.5305698 |             |   |  |
| 614.1678712   | 0           | 0           | 0           | 0           | 0 |  |
| 0             | 0           | 3885741.911 | 0           | 6025.812595 | 0 |  |
| 0             | 0           | 0.197977273 | 0           |             |   |  |
| 1.55_796.526  | 0           | 25.63029878 | 4887.517057 | 0           | 0 |  |



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| 0             | 371.4297321 | 0           | 404.9402539 | 0.60476652  |
| 0             | 494.6259684 | 0           | 0           | 0           |
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| 0             | 0           | 0           | 1.397737249 | 0           |
| 1.55_826.5366 | 0           | 0           | 5574.319692 | 0           |
| 0             | 220.393583  | 122.1764322 | 0           | 0           |
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| 0             | 0           |             |             |             |
| 1.56_112.0756 | 1943.591221 | 3019.188141 | 7925.472117 |             |
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| 990.4180842   | 854.2293062 | 924.5878273 | 1622.006339 |             |
| 1632.21186    | 1862.744484 | 2707.859423 | 7945.881764 |             |
| 3783.975712   | 11104.82476 | 5764.928986 | 4037.01062  |             |
| 44.78328557   | 2705.514836 | 5727.969562 | 5135.441975 |             |
| 1299.754751   | 5282.322337 | 4215.086636 | 4439.569154 |             |
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| 1.56_294.17   | 111.153129  | 110.971833  | 48491.59156 |             |
| 51821.79295   | 0           | 442.8510881 | 4088.413687 | 0           |
|               | 66.69975538 | 4792.43984  | 250.154025  | 68.39090596 |
|               | 424.286971  | 58212.50159 | 19313.64931 | 94018.16739 |
|               | 1330.900681 | 1543.779126 | 0           | 159.0121011 |
| 7548.375809   | 33549.28135 | 23.94509846 | 10659.63223 |             |
| 30567.60592   | 24422.56351 | 120.4438794 |             |             |
| 1.56_328.2328 | 12428.85279 | 12371.75747 | 11116.60878 |             |
| 5696.669766   | 13546.49655 | 15951.98987 | 6615.377308 |             |
| 6592.501977   | 11160.76182 | 16657.28345 | 7061.468588 |             |
| 7918.710456   | 5781.449758 | 2114.194369 | 12729.23851 |             |
| 5750.726313   | 12400.93606 | 12885.41507 | 6579.320701 |             |
| 806157.9405   | 4826.506951 | 9669.372944 | 7331.12819  |             |
| 6594.930634   | 9595.224196 | 13402.97973 | 11066.37668 |             |
| 5320.243166   |             |             |             |             |
| 1.56_371.7532 | 0           | 0           | 3933.765996 | 0           |
| 0             | 0           | 365.3786374 | 0           | 0           |
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| 0             | 0           | 0           | 0           | 0           |
| 1.56_422.2853 | 0.397275326 | 248.4838601 | 39286.23295 |             |
| 8.422590586   | 337.8550564 | 267.0041426 | 114.2218979 |             |
| 1176.920403   | 10043.02503 | 0           | 0.084944166 | 0.000963493 |
| 0             | 0.175051667 | 677.1559112 | 4.086699429 |             |
| 1677.892385   | 0           | 848.0935004 | 3584712.569 | 0.291301681 |
|               | 743.0261975 | 257.9785046 | 1.143607149 | 1398.021928 |
|               | 218.6988194 | 15.79163839 | 1788.707208 |             |
| 1.56_451.3062 | 0           | 0           | 23474.9535  | 0           |
| 41.88156879   | 102.2178225 | 1988.516588 | 7963.671303 |             |
| 22.80853402   | 0           | 0           | 0           | 0           |
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| 119.2052793   | 0           | 0           | 103.3308012 | 0           |
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| 1536.437358   | 1728.521046   | 1985.992228   | 2430.996016   |
| 3995.697163   | 814.1698389   | 3181.852017   | 4713.369932   |
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| 1591.860108   | 4431.564389   | 5157.048305   | 3420.230973   |
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| 1595.063176   | 2500.058732   | 2306.277131   | 3110.659986   |
| 4278.940697   |               |               |               |
| 1.56_224.1282 | 283.1741212   | 400.5660713   | 46007.69244   |
| 19713.01339   | 730.450709    | 983.329284    | 4747.352074   |
| 816.7637949   | 199.7426842   | 613.6905247   | 7747.103365   |
| 550.1778134   | 403.8098471   | 962.2644417   | 42808.88974   |
| 18724.84719   | 52204.9203    | 1716.857313   | 439.3041665   |
| 483.4510972   | 548.0103245   | 6914.457243   | 27195.43777   |
| 389.8842592   | 3388.601301   | 26263.25117   | 42332.65744   |
| 619.9651151   |               |               |               |
| 1.56_226.1649 | 7841.284645   | 5104.128754   | 4430.409244   |
| 5734.423218   | 6623.217544   | 9698.086111   | 8613.832851   |
| 3928.711983   | 4747.66276    | 4528.452705   | 10193.39019   |
| 4645.472257   | 8169.327274   | 7918.087044   | 5560.939902   |
| 5371.938176   | 5270.885921   | 10359.34052   | 4677.299169   |
| 24395.41849   | 5114.979332   | 13157.8615    | 6405.87485    |
| 5490.27918    | 5523.12104    | 5030.747809   | 4999.161598   |
| 4586.292797   |               |               |               |
| 1.56_285.29   | 3118.074323   | 38346.60827   | 0 0           |
| 2618.729124   | 0 0           | 5123.045559   | 43999.29396   |
| 322.4011816   | 0 131.6530097 | 2620.221212   | 9645.624158   |
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| 379.6189333   | 2036.766343   | 0             | 149.9969359   |
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| 1.56_349.2382 | 0 0           | 717.8230527   | 30.35487295   |
| 16.11104938   | 0 0           | 0 133.8256907 | 0 0           |
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| 0 0           | 395180.4984   | 0             | 40.71146714   |
| 0 18.8388563  | 168.0782588   | 0             | 0             |
| 1.56_356.246  | 0 0           | 3798.01565    | 227.6479284 0 |
| 0 0           | 0 102.7833519 | 0             | 101.3187156   |
| 0 0           | 0 1082.136766 | 0             | 991.6488706   |
| 982.8897491   | 0 454273.1375 | 0             | 0             |
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| 1.56_356.7476 | 0 0           | 1541.252945   | 0 0 0         |
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| 0 0           | 0 0           | 0             | 0 0           |
| 1.56_363.2537 | 0 0           | 3456.429908   | 0 24.60130342 |
| 95.4405556    | 0 0           | 429.3674837   | 0             |
| 53.75053259   | 0 0           | 62.12220939   | 23.23493946   |
| 248.5559239   | 2233.216258   | 0             | 709134.1287 0 |
| 0 240.9673019 | 17.55265884   | 0             | 0             |
| 247.1001924   | 0             |               |               |
| 1.56_378.259  | 0 0           | 44328.32246   | 3919.072239 0 |

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|---------------|-------------|-------------|-------------|-------------|-------------|
| 0             | 0           | 1252.808038 | 8600.619791 | 0           |             |
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| 1.56_402.3578 | 40572.20818 | 286980.7424 | 2733.986889 |             |             |
| 7502.342306   | 20717.92933 | 16555.0772  | 104763.4899 |             |             |
| 79304.33003   | 25939.75855 | 23742.94356 | 3428.706719 |             |             |
| 20588.86558   | 19017.66134 | 17428.38151 | 17745.8724  |             |             |
| 10537.15895   | 9168.409524 | 193285.3375 | 31451.84169 | 0           |             |
| 32361.74024   | 52492.89719 | 15045.07049 | 56284.24136 |             |             |
| 30357.61463   | 15153.02546 | 7703.509212 | 16190.3725  |             |             |
| 1.57_389.1624 | 20991.96818 | 0           | 454.1751444 | 44.56187858 |             |
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| 1.55_606.4059 | 0           | 2176.021311 | 184230.9414 | 0           | 0           |
| 12.77712576   | 0           | 5326.287815 | 34123.86966 |             |             |
| 2.327709917   | 0           | 0           | 0           | 0           | 343.8668947 |
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| 4618.082149   | 1.656306939 | 0           | 0           | 0           | 18577.07885 |
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| 1.57_393.766  | 0           | 0           | 7432.54716  | 0           | 0           |
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| 0             | 0           | 0           | 0           | 0           | 784446.9139 |
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| 1.57_114.0913 | 22401.53678 | 21422.25328 | 73721.75158 |             |             |
| 40091.09755   | 29504.42763 | 28370.99871 | 22274.64659 |             |             |
| 20171.59838   | 18149.03431 | 33443.44783 | 22334.3097  |             |             |
| 18090.17178   | 23523.46259 | 29894.07709 | 67401.60669 |             |             |
| 29673.70096   | 49646.96426 | 32326.00238 | 32026.88978 |             |             |
| 99103.09493   | 25793.86206 | 102899.4905 | 36536.16858 |             |             |
| 16105.50127   | 25970.76315 | 37289.40339 | 48890.36179 |             |             |
| 18425.18405   |             |             |             |             |             |
| 1.58_548.3641 | 0           | 0           | 108221.318  | 0           | 0           |
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| 0             | 0           | 0           | 0           | 0           | 0           |
| 10058381.92   | 276.9575626 | 1920.712488 | 0           | 0           | 0           |
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| 1.58_578.3746 | 52.16245646 | 176.8049544 | 37702.20139 | 0           |             |
| 277.4729667   | 0           | 0           | 5789.2467   | 4310.80852  |             |
| 301652.7206   | 0           | 438.2894852 | 87.80934796 |             |             |
| 182.7905596   | 0           | 139.3750718 | 0           | 359.7451245 |             |
| 1018.909459   | 3329209.947 | 366.6083373 | 105133.4055 |             |             |
| 1241.299269   | 283.902992  | 0           | 0           | 12825.23161 |             |

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|---------------|-------------|-------------|-------------|-------------|-------------|
| 308.9384104   |             |             |             |             |             |
| 1.58_622.4008 | 0           | 0           | 29170.06351 | 0           | 0           |
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| 328.5668145   | 0           |             | 0           | 908.376047  | 0           |
| 582.3354616   | 0           |             | 2608706.594 | 500.4555689 |             |
| 86146.31287   | 1396.206995 | 0           | 0           | 0           | 5116.179426 |
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| 1.58_666.4268 | 478.1950702 | 0           | 18639.90509 | 0           | 0           |
| 0             | 0           | 1852.736603 | 1251.222436 |             | 194686.6005 |
| 0             | 0           | 0           | 615.6645681 |             | 260.9372813 |
| 0             | 0           | 782.8131234 | 2082727.844 |             | 216.7283142 |
| 40375.14454   | 0           | 0           | 0           | 0           | 5226.628776 |
| 173.4917499   |             |             |             |             |             |
| 1.58_680.4426 | 131.1861672 | 61.2819298  | 76420.74947 |             | 0           |
| 0             | 0           | 48.79376675 | 44.67429464 |             | 12482.74515 |
| 0             | 0           | 0           | 79.51763788 | 0           | 0           |
| 0             | 749.3330199 | 0           | 8024226.714 |             | 302.1897335 |
| 2749.043423   | 113.8417906 |             | 60.76442643 | 0           | 0           |
| 689.7272325   | 123.9182133 |             |             |             |             |
| 1.58_724.4686 | 60.09352566 | 153.0222487 | 33388.31755 |             | 0           |
| 0             | 0           | 15.11421961 | 5963.695296 |             | 0           |
| 0             | 97.15115284 | 0           | 0           | 0           | 0           |
| 8.951085667   | 0           | 4273735.687 | 27.13785263 |             |             |
| 506.5300334   | 0           | 0           | 6345.145681 |             | 0           |
| 1.59_152.1282 | 37038.40144 | 34633.41974 | 1413.7641   |             |             |
| 2162.792459   | 1250.286221 | 672.4139299 | 202.8367967 |             |             |
| 515.7490696   | 195.4101989 | 1668.402756 | 623.6539032 |             |             |
| 448.9826794   | 32863.15031 | 327.2922749 | 50498.78863 |             |             |
| 860.3989707   | 0           | 1058.826315 | 34531.51449 | 0           |             |
| 329.2136231   | 325.7363105 | 82.85192714 | 50.92283785 |             |             |
| 190.5413695   | 314.9722005 | 2955.786554 | 947.9945603 |             |             |
| 1.59_222.1489 | 734.7862024 | 1402.999501 | 65528.96386 |             |             |
| 39096.19719   | 903.657107  | 2163.217485 | 7629.226006 |             |             |
| 294.5970392   | 221.7104823 | 660.0559225 | 10949.09145 |             |             |
| 362.7760246   | 235.5723649 | 732.359122  | 61008.02836 |             |             |
| 17978.77755   | 92004.64932 | 3111.651352 | 3552.447427 |             | 0           |
| 1337.849648   | 18424.38909 | 32573.32097 | 567.6782818 |             |             |
| 7105.931963   | 35336.96272 | 41606.08677 | 596.6678722 |             |             |
| 1.59_240.2321 | 11004.56143 | 890.6054332 | 22326.34424 |             |             |
| 1892.578539   | 435.0798375 | 178.4845091 | 0           |             | 1455.402392 |
| 283.350035    | 3999.056059 | 49.21043466 | 248.0710427 |             |             |
| 10502.00226   | 6655.180061 | 5173.738913 | 1004.382472 |             |             |
| 0             | 4793.523681 | 248638.0334 | 12099.51549 |             |             |
| 832.8459939   | 1298.520884 | 1051.303828 | 589.5539503 |             |             |
| 522.589135    | 0           | 189.0921829 | 186.1085533 |             |             |
| 1.59_364.2432 | 0           | 0           | 2050.048664 | 1567.853234 | 0           |
| 0             | 0           | 0           | 198.4370125 | 0           | 0           |
| 0             | 0           | 3427.846473 | 52.05752587 |             | 4742.880046 |
| 0             | 0           | 993197.7971 | 0           | 127.0876177 |             |
| 494.4134547   | 0           | 38.95213596 | 328.7497467 |             | 1126.152663 |

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|---------------|-------------|-------------|-------------|-------------|-------------|
| 0             |             |             |             |             |             |
| 1.59_408.7714 | 0           | 0           | 557.4216939 | 0           | 0           |
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| 0             | 0           | 0           | 0           | 0           | 167820.8742 |
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| 1.60_343.2954 | 546682.0437 | 20723.98714 | 1123822.593 |             |             |
| 154859.4181   | 52374.67835 | 34602.57208 | 17646.16828 |             |             |
| 105665.1038   | 20006.20568 | 303618.1514 | 18708.49411 |             |             |
| 41315.73029   | 538589.8737 | 37941.29444 | 330188.5127 |             |             |
| 95963.55563   | 25583.86164 | 229506.3905 | 10963197.65 |             |             |
| 807177.0964   | 47689.62842 | 142971.6763 | 97333.19314 |             |             |
| 43552.1108    | 23126.96206 | 21234.72712 | 35145.32978 |             |             |
| 30770.10488   |             |             |             |             |             |
| 1.58_534.3485 | 0           | 0           | 33533.87984 | 0           | 245.8229294 |
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| 1.60_314.217  | 1341.145405 | 1939.916953 | 2481.643209 |             |             |
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| 676.184161    | 1419.199813 | 710.5417231 | 473.7768957 |             |             |
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| 2290.831912   | 752.9759923 | 3316.156726 | 761.9787026 |             |             |
| 1.60_241.2036 | 20566.09131 | 24377.01878 | 11590.44823 |             |             |
| 15806.1877    | 24583.19202 | 15489.90703 | 18444.56906 |             |             |
| 22902.6398    | 21154.85775 | 20574.26641 | 18988.06931 |             |             |
| 17616.3301    | 23369.32571 | 22233.00874 | 12080.36171 |             |             |
| 14408.32313   | 11915.63314 | 22449.67097 | 26766.67999 |             |             |
| 12200.25539   | 65112.21047 | 27705.32484 | 17385.51259 |             |             |
| 20574.73264   | 20804.77551 | 15849.18526 | 14776.23213 |             |             |
| 21103.88334   |             |             |             |             |             |
| 1.61_365.2774 | 31136.51365 | 0           | 19393.02606 | 2017.526189 |             |
| 1519.215742   | 147.8823987 | 197.0202006 | 3033.692967 |             |             |
| 69.22829338   | 10763.20856 | 46.46245824 | 1184.946955 |             |             |
| 30643.30407   | 449.910817  | 3831.686368 | 1454.662083 |             |             |
| 1116.459733   | 5544.13683  | 631730.6799 | 39254.04145 |             |             |
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| 5417.889785   | 1425.679436 | 3723.405378 | 9038.2376   |             |             |
| 6065.204496   | 2199.418167 | 6467.1646   | 15281.4784  |             |             |
| 182261.3299   | 1909.504607 | 415697.8532 | 5996.093212 |             |             |
| 6334.352516   | 1664.537141 | 1650.331242 | 32127.38793 |             |             |
| 3353.60453    |             |             |             |             |             |

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| 1.63_281.0995 | 551.7768578 | 169.9287771 | 44165.01893 |
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| 5068.259438   | 4175.808403 | 5146.050751 | 23234.45287 |
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| 132163.6596   | 3963.455025 | 3118.895782 | 334489.5848 |
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| 1.63_467.3013 | 2115.414726 | 6667.361296 | 148157.9396 |
| 2470.308633   | 18103.68065 | 566.9370404 | 3541.744319 |
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| 3670.162875   | 958.0609943 | 21219.69243 | 11820.02335 |
| 152828.9622   | 2895.207972 | 270288.2752 | 1931.284025 |
| 36172.34047   | 2801.169531 | 2101.398338 | 74303.51323 |
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| 1.63_696.4375 | 2380.716645 | 4612.402681 | 331997.719  |
| 668.5305591   | 54853.88803 | 455.6937603 | 379.9063507 |
| 86850.54977   | 69464.82184 | 9639.485959 | 576.6695017 |
| 4100.124801   | 3375.622143 | 3071.059588 | 20422.71942 |
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| 7542.703318   | 242564.2545 | 4435.801709 | 49129.2414  |
| 1700.296958   | 2833.309046 | 6158.394558 | 192791.8949 |
| 3625.488635   | 6404.450325 | 5428.463667 | 2614.056011 |
| 2081.912455   | 3911.609769 | 2335.081709 | 5589.027025 |
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| 1.64_313.1256 | 1160.512534 | 425.1099698 | 40124.18991 |
| 42165.05319   | 2255.959639 | 2726.938058 | 12762.66539 |
| 856.580058    | 2100.035629 | 0           | 16594.84511 |
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|               | 40622.84784 | 2679.598071 | 3500.011408 |
|               |             |             | 0           |

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| 6197.055795   | 6736.765713 | 35729.13877 | 1278.032472 |
| 13283.52833   | 39992.68329 | 35471.95444 | 1143.458082 |
| 1.64_379.7505 | 735.7722419 | 730.7925908 | 92118.27105 |
| 631.4694692   | 17487.30492 | 377.0886106 | 129.2725108 |
| 19371.28208   | 19758.59307 | 2252.829208 | 252.9149615 |
| 1201.348433   | 684.4082498 | 1012.947263 | 5956.988619 |
| 1218.666205   | 0           | 19578.60613 | 4686.647221 |
|               | 1847.50206  | 74142.97553 | 1043.878005 |
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| 1.64_423.275  | 3030.030517 | 3424.255259 | 207752.2886 |
| 1146.645194   | 36426.89728 | 652.4176381 | 548.59586   |
| 34634.03655   | 37920.13838 | 44900.19918 | 865.9197882 |
| 4475.603619   | 2315.760655 | 4171.063227 | 16716.14388 |
| 5237.884012   | 481.1596757 | 40230.82352 | 13000.75604 |
| 224227.3695   | 5286.323477 | 249038.5818 | 1819.67741  |
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| 1.60_502.2928 | 23372.94014 | 71410.167   | 11499.04962 |
| 19189.78032   | 9504.888229 | 24482.63777 | 29594.41317 |
| 45554.07757   | 49220.5253  | 649.5387693 | 7507.985227 |
| 23485.33767   | 26887.88314 | 37533.72951 | 9614.78352  |
| 7322.993569   | 3001.815675 | 28243.18428 | 37255.64537 |
| 18123.10436   | 14041.22275 | 11775.83849 | 12357.45453 |
| 12432.70043   | 23738.65439 | 18533.22239 | 15020.48527 |
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| 1.58_520.3399 | 15674.48027 | 81646.76782 | 39923.87012 |
| 20548.88666   | 15896.25737 | 18419.60526 | 21165.66532 |
| 36209.34305   | 28584.07512 | 1885.139918 | 11374.0606  |
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| 14611.11554   | 12949.47163 | 35308.65905 | 4761.790463 |
| 17562.74317   | 19772.55447 | 77155.75503 | 12505.27379 |
| 39112.41795   | 17207.94364 | 5270.121668 | 91354.39424 |
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| 1.58_504.3378 | 0           | 0           | 84700.09165 |
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|               | 8336537.653 | 28.14997274 | 3705.759142 |
|               | 0           | 0           | 0           |
| 1.58_490.3221 | 0           | 0           | 24084.39181 |
| 422.4613567   | 0           | 0           | 2230.632983 |
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|               | 0           | 548.0297595 | 16859.54458 |
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|               | 0           | 9569.819295 | 0           |
| 1.57_168.102  | 913.1724354 | 3457.6154   | 70986.94967 |
| 15294.13864   | 1462.525484 | 2851.325531 | 5664.511236 |
| 341.3517415   | 344.4769685 | 805.2597312 | 5430.279115 |
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|               | 3870.080885 | 30624.96068 | 28245.96864 | 1651.071675 |             |
| 1.57_522.3556 | 14161.65676 | 78086.4454  | 4782.430746 |             |             |
| 17557.13966   | 6516.788897 | 25519.21927 | 27402.4762  |             |             |
| 29885.42223   | 55300.9034  | 2676.025843 | 10391.01388 |             |             |
| 22021.4573    | 13446.42622 | 48495.15554 | 3802.415391 |             |             |
| 16524.18824   | 10932.44324 | 22215.65768 | 6730.355167 |             |             |
| 97294.34657   | 18689.28555 | 51363.71867 | 8899.932141 |             |             |
| 47146.65342   | 21428.26092 | 9336.736002 | 21873.55641 | 0           |             |
| 1.58_130.0863 | 11854.49819 | 8827.024626 | 5786.889521 |             |             |
| 14902.14439   | 21623.04    | 20269.44556 | 6288.918251 |             |             |
| 2709.846091   | 6641.469277 | 7019.590145 | 11275.36459 |             |             |
| 9532.079522   | 11645.18246 | 13990.93027 | 11398.9363  |             |             |
| 14476.90146   | 25777.64412 | 32506.8271  | 19133.19014 |             |             |
| 3562.822065   | 20175.03024 | 14098.50491 | 10394.78159 |             |             |
| 9020.355769   | 15287.1051  | 12764.30178 | 11941.39317 |             |             |
| 7001.208789   |             |             |             |             |             |
| 1.58_154.1227 | 303.6570254 | 127.7265186 | 24151.32386 |             |             |
| 16201.42406   | 273.599396  | 488252.8123 | 1788.766539 |             |             |
| 142.7723802   | 101.4851066 | 321.5523721 | 2530.769712 |             |             |
| 79.82681446   | 298.5741629 | 678.6895846 | 38871.21028 |             |             |
| 4944.07316    | 30490.34794 | 1810.868579 | 624.8677401 | 0           |             |
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|               | 2359.13884  | 7361.956769 | 6202.375521 | 681.9772574 |             |
| 1.58_466.3117 | 0           | 0           | 22565.01638 | 1261.572853 | 0           |
| 0             | 0           | 0           | 4512.818029 | 5.167644356 |             |
| 33.54657631   | 0           | 0           | 0           | 107.6835071 | 71.52453919 |
|               | 1480.555323 | 0           | 2119.222399 | 2072418.802 | 0           |
| 0             | 101.9584104 | 5.206938622 | 28.80397724 |             |             |
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| 1.58_481.8184 | 0           | 0           | 1263.769261 | 0           | 0           |
| 0             | 0           | 0           | 0           | 0           | 0           |
| 0             | 0           | 0           | 0           | 0           | 0           |
| 0             | 0           | 0           | 0           | 0           | 0           |
| 1.58_592.3903 | 82.52197211 | 43.67097798 | 111368.2941 | 0           |             |
| 0             | 0           | 0           | 2061.389338 | 20509.55598 | 0           |
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| 0             |             |             |             |             |             |
| 1.58_636.4165 | 18.09417687 | 0           | 99867.57449 | 0           | 0           |
| 0             | 0           | 92.29604881 | 16004.11451 | 249.7837265 |             |
| 0             | 241.2499959 | 0           | 0           | 0           | 0           |
| 0             | 0           | 9685745.659 | 450.2992084 | 3241.318179 |             |
| 0             | 0           | 0           | 463.5864252 | 0           |             |
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| 0             | 170.7691926 | 586.0719539 | 0           | 0           | 0           |
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| 19000.59199   | 324.8324201 | 1106.269351 | 2719.14503  |             |
| 38.38784508   | 66.91354824 | 0           | 3766.211244 | 179.2270778 |
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| 1120.402932   | 5997.543601 | 14593.14499 | 188.7105204 |             |
| 4661.183801   | 11750.87435 | 9091.547844 | 488.3504062 |             |
| 1.58_256.0151 | 0           | 0           | 0           | 0           |
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|               | 0           | 0           | 1580060.768 | 0           |
|               | 0           | 0           | 0           | 0           |
| 1.58_258.0122 | 0           | 0           | 0           | 0           |
|               | 0           | 0           | 0           | 0           |
|               | 0           | 0           | 1103798.77  | 0           |
|               | 0           | 0           | 0           | 0           |
| 1.58_308.1855 | 76.34950898 | 359.2420325 | 60359.45631 |             |
| 46195.82228   | 269.5924444 | 143.8623329 | 5445.311842 |             |
| 51.86397295   | 0           | 0           | 8221.916142 | 243.4509338 |
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| 1.58_358.2432 | 269.5632772 | 595.7289077 | 19351.01465 |             |
| 1147.820148   | 1446.6      | 46.24287511 | 94.88762475 | 3538.957775 |
|               | 1529.947188 | 486.6785627 | 0           | 103.4015117 |
|               | 130.2279388 | 8554.815538 | 1196.342131 | 7710.623991 |
|               | 2201.693505 | 44620.38576 | 619966.7457 | 206.3966198 |
|               | 32784.35838 | 1615.186192 | 3922.466963 | 4352.574134 |
|               | 1098.536377 | 16458.47133 | 492.4699744 |             |
| 1.58_372.2592 | 341.8531995 | 968.6933176 | 15238.44926 | 0           |
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| 3789.4188     | 634.2337607 | 1.772832235 | 169.8014954 |             |
| 73.07652821   | 0           | 1332.665131 | 108.7941003 | 317.7054374 |
|               | 702.6656864 | 0           | 2576206.846 | 373.4485941 |
| 9501.911326   | 278.5753422 | 0           | 44.29849582 | 667.1370301 |
|               | 2376.893192 | 51.52473692 |             |             |
| 1.58_393.2642 | 42.05426071 | 338.1618531 | 34983.47837 |             |
| 15.21187614   | 0           | 0           | 348.5832189 | 7909.073853 |
|               | 0           | 29.43116865 | 0           | 23.27976347 |
|               | 0           | 62.8165739  | 0           | 3145271.875 |
|               | 672.6521625 | 47.01421595 | 0           | 142.7288676 |
| 4.228266749   | 37.84390599 | 0           |             |             |
| 1.58_408.2697 | 427.9428985 | 5057.604538 | 3159.023853 |             |
| 656.2580006   | 0           | 0           | 5547.853256 | 8595.716687 |
| 20324.59446   | 813.479209  | 0           | 347.0318975 | 573.8421772 |
|               | 0           | 1305.195503 | 0.508426567 | 2656.81611  |
|               | 0           | 1113293.17  | 0           | 766.355446  |
|               | 0           | 10927.82815 | 0.916344649 | 301.913687  |
| 1.58_415.7791 | 0           | 0           | 7848.192353 | 0           |
|               | 0           | 0           | 396.4196234 | 0           |
|               | 0           | 0           | 0           | 0           |
|               | 0           | 0           | 0           | 622771.7052 |

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|---------------|-------------|-------------|-------------|-------------|-------------|---|
| 0             | 478.1745494 | 0           | 0           | 0           | 0           | 0 |
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| 1.58_416.2854 | 0           | 42.43363133 | 31798.92955 | 1067.040775 |             |   |
| 322.4609373   |             | 74.1813962  | 0           | 59.50411737 |             |   |
| 5498.756829   | 0           | 0           | 202.2191446 | 0           | 3.95457854  |   |
| 1360.842887   |             | 186.9253273 | 1478.615723 | 6.202632744 |             |   |
| 393.1772523   |             | 4860062.599 | 0           | 5877.321453 |             |   |
| 1295.6523     | 0           | 80.45090738 | 395.4730032 | 0.45316287  |             |   |
| 0             |             |             |             |             |             |   |
| 1.58_430.2831 | 0           | 0           | 9506.945194 | 360.415199  | 0           |   |
| 0             | 0           | 0           | 232.4576194 | 208.8476453 |             |   |
| 378.2882008   | 0           | 0           | 0           | 3546.307263 | 197.7314888 |   |
| 1871.889087   |             | 0           | 0           | 799122.4829 | 0.087637821 |   |
| 842.0334712   |             | 155.9146985 | 0           | 0           | 296.1966625 |   |
| 1544.0439     |             | 0           |             |             |             |   |
| 1.58_437.7922 | 0           | 0           | 3568.925928 | 0           | 0           | 0 |
| 0             | 0           | 657.9318743 | 0           | 0           | 0           | 0 |
| 0             | 0           | 0           | 0           | 0           | 513969.7413 |   |
| 0             | 0           | 0           | 0           | 0           | 0           | 0 |
| 1.58_444.2985 | 0           | 38.89576712 | 36544.88556 | 398.2315942 |             |   |
| 0             | 191.8349663 | 0           | 2813.682253 | 5593.212257 |             |   |
| 0             | 0           | 0           | 0           | 952.2257078 | 0           |   |
| 304.0777017   |             | 399.2453299 | 623.9760138 | 2871463.038 |             |   |
| 0             | 865.580185  | 700.7445699 | 0           | 0           | 0           |   |
| 366.1592634   |             | 0           |             |             |             |   |
| 1.58_446.2958 | 0           | 48.41410497 | 18166.474   | 0           |             |   |
| 1994.395067   | 0           | 0           | 1912.774705 | 1208.663124 |             |   |
| 2908.781374   | 0           | 83.66471847 | 0           | 36.5768872  |             |   |
| 473.6983767   | 0           | 1925.634174 | 2319.808638 | 33141.25131 |             |   |
| 1537636.001   |             | 0           | 41486.92849 | 404.4762818 |             |   |
| 4414.844724   | 348.2449072 | 0           | 11267.7347  | 0           |             |   |
| 1.58_452.2959 | 5.701731436 | 7900.349825 | 5324.923767 |             |             |   |
| 255.7783439   | 21.43582202 | 6.438647438 | 1837.443983 |             |             |   |
| 182.3863215   | 2250.326076 | 0           | 26.49414247 | 4.664406318 |             |   |
| 129.5443382   | 0           | 505.4545417 | 132.0218437 |             |             |   |
| 1378.103484   | 93.02274578 | 22.95303857 | 645393.4401 |             |             |   |
| 35.79308018   | 1332.167168 | 225.1526004 | 0.867045089 |             |             |   |
| 2257.083703   | 358.7415385 | 695.9814288 | 2.700123838 |             |             |   |
| 1.58_460.3115 | 0           | 0.041516157 | 65430.40771 | 319.2682057 |             |   |
| 0             | 0           | 0           | 1477.899349 | 11078.89634 |             |   |
| 0.530228669   | 0.072931409 | 0.300454127 | 0           | 0           | 0           |   |
| 70.77463555   |             | 433.819201  | 2.123724136 | 0           |             |   |
| 8172879.005   | 0           | 3208.743704 | 255.7369356 | 0           | 0           |   |
| 278.4755182   |             | 0           | 0           |             |             |   |
| 1.58_466.8133 | 0           | 0           | 4231.64426  | 0           | 0           | 0 |
| 0             | 0           | 252.5314132 | 0           | 0           | 0           | 0 |
| 0             | 0           | 0           | 0           | 0           | 760824.8173 |   |
| 0             | 0           | 0           | 0           | 0           | 0           | 0 |
| 1.58_488.325  | 0           | 0           | 12537.88546 | 425.4381382 |             |   |
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|---------------|----------------------|-------------|-------------|-------------|-------------|
| 176.6730756   | 0                    | 0           | 0           | 0           | 1131.680782 |
| 0             | 1341.495181          | 178.3828705 | 1953.179456 |             |             |
| 1356648.985   | 0.170549787          | 1401.376411 | 95.26946117 | 0           |             |
| 105.7284767   | 4.05367088942331E-06 | 0           | 0           |             |             |
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| 22824.90802   | 22249.93533          | 6592.828108 | 13613.98407 |             |             |
| 16471.75373   | 23062.41123          | 17750.35353 | 1808.731843 |             |             |
| 12461.20908   | 9032.480589          | 12213.98712 | 2153.230779 | 0           |             |
| 6829.570838   | 20793.64777          | 17188.05059 | 14382.73191 |             |             |
| 9157.182905   | 21303.25286          | 18652.22422 | 12255.30432 |             |             |
| 1.64_445.2881 | 2255.165059          | 2639.759501 | 153309.6731 |             |             |
| 1155.245383   | 23310.75898          | 606.1736389 | 647.3315414 |             |             |
| 28405.33721   | 25492.44318          | 66421.39633 | 1067.574363 |             |             |
| 3337.947276   | 2346.116218          | 4813.133824 | 13460.67524 |             |             |
| 4974.667207   | 1178.27284           | 27656.71524 | 13560.3789  |             |             |
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| 53333.10021   | 2799.153367          | 2579.771832 | 115943.2008 |             |             |
| 3777.054551   |                      |             |             |             |             |
| 1.55_564.3856 | 0                    | 2523.674324 | 752.5639314 | 0           | 0           |
| 0             | 0                    | 0           | 13.57410881 | 0           | 0           |
| 0             | 0                    | 0           | 0           | 0           | 0           |
| 722335.8592   | 0                    | 0           | 0           | 0           | 0           |
| 9.513388844   | 0                    |             |             |             |             |
| 1.55_518.3536 | 0                    | 894.3201401 | 126017.3988 | 0           |             |
| 48.43069103   | 0                    | 0           | 2387.660617 | 23910.72312 | 0           |
| 0             | 0                    | 0           | 0           | 0           | 0           |
| 0             | 13634543.53          | 0           | 1834.642458 | 0           |             |
| 0.309319197   | 0                    | 0           | 0           |             |             |
| 1.50_203.1278 | 1303.544032          | 1284.702591 | 39193.11908 |             |             |
| 21823.68917   | 1464.900052          | 2210.792064 | 4349.467615 |             |             |
| 686.4821122   | 353.9942044          | 1638.404505 | 6025.428687 |             |             |
| 1126.201655   | 1304.897             | 1123.557567 | 49347.06811 |             |             |
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| 15001.8825    | 4145.834768          | 1514.910212 | 572.9466137 |             |             |
| 2126.1721     | 3141.570094          | 1765.883226 | 206.3306176 |             |             |
| 285.3451083   | 235.7073601          | 30838.91206 | 90103.29447 |             |             |
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| 1548.105134   | 2448.823148          | 520.7791899 | 306.3782968 |             |             |
| 1192.93507    |                      |             |             |             |             |
| 1.50_186.1126 | 6280.103156          | 16410.69314 | 105217.7755 |             |             |
| 27489.40456   | 45322.63657          | 10838.09626 | 13150.13736 |             |             |
| 41008.62888   | 5745.844578          | 3696.906037 | 18708.14978 |             |             |
| 4768.140335   | 7380.378813          | 5216.843555 | 67947.84991 |             |             |
| 23903.66213   | 70447.36692          | 9788.557811 | 11403.4098  |             |             |
| 6770.288186   | 8128.486692          | 20557.75622 | 41713.25567 |             |             |

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| 6746.570585   | 9929.349755 | 37857.66848 | 37386.98868 |             |
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| 1.50_234.1337 | 10336.081   | 10389.64986 | 766996.4955 |             |
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| 9108.287537   | 8734.731226 | 11995.71556 | 117511.9443 |             |
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| 264783.0872   | 624540.4866 | 16963.17792 | 27943.7855  |             |
| 3121.935584   | 13612.62155 | 186390.219  | 303883.9855 |             |
| 7830.128263   | 53315.59425 | 441878.3356 | 575101.3942 |             |
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| 1.50_254.1598 | 6799.966627 | 5402.269671 | 2880.436493 |             |
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| 3657.865186   | 3775.218752 | 7844.281427 | 10379.46265 |             |
| 4462.631548   | 7079.735816 | 8831.510601 | 3633.636738 |             |
| 4592.338181   | 4300.882371 | 10937.10788 | 3584.968038 |             |
| 2989.42586    | 6594.942153 | 13804.72914 | 6607.85907  |             |
| 5833.594097   | 5432.222607 | 3646.49972  | 8465.319357 |             |
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| 1.50_383.1677 | 2340.165623 | 1867.050064 | 13082.39356 |             |
| 15648.00189   | 3560.987651 | 1904.643471 | 7335.078427 |             |
| 1760.390302   | 1828.654328 | 2779.264706 | 10107.56663 |             |
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|               | 2090.681881 | 10208.29125 | 15047.98842 | 2139.094073 |
|               | 8914.383487 | 18431.8993  | 15180.30837 | 2639.466953 |
| 1.50_387.1999 | 16742.09758 | 8818.105438 | 165872.7412 |             |
| 141207.5485   | 39538.21447 | 16192.60833 | 61589.71099 |             |
| 12456.63855   | 9038.136803 | 25705.02192 | 62728.91332 |             |
| 15359.08831   | 15035.58025 | 20139.60588 | 163477.7542 |             |
| 73114.29265   | 232665.603  | 18370.9432  | 55470.91143 |             |
| 9431.327122   | 20961.39516 | 56925.50148 | 111514.1109 |             |
| 19561.38744   | 52553.18491 | 111569.1844 | 133480.193  |             |
| 20829.12226   |             |             |             |             |
| 1.50_180.102  | 908.4927145 | 33514.55143 | 4911.422413 |             |
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| 1804.466881   | 5442.937222 | 4322.892094 | 2477.595571 |             |
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| 783.7660417   |             |             |             |             |
| 1.50_217.1799 | 18736.87771 | 14861.018   | 1243.029174 |             |
| 5716.14498    | 7641.716399 | 17200.80388 | 8403.610904 |             |
| 1715.7077     | 5656.269949 | 11636.51445 | 11604.96812 |             |
| 12447.28675   | 12551.60868 | 12808.77821 | 0           | 10391.04028 |
|               | 4727.75316  | 19545.75154 | 7137.622277 | 4007.357474 |
|               | 13214.41876 | 22518.04251 | 6931.032213 | 18219.15204 |
|               | 5873.129744 | 8109.346816 | 9173.338369 | 13001.31009 |
| 1.51_305.2322 | 1733.915416 | 51.58180768 | 10187.12277 |             |
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| 551.7130653   | 2848.537458 | 8492.718545 | 851.2146363 |             |
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| 1.51_314.3416 | 14258.21132 | 32401.94092 | 2816.933099 |             |
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| 12323.07192   | 3375.222935 | 18036.9443  | 3802.951816 |             |
| 9320.737155   | 12838.75961 | 14181.26985 | 7010.165788 |             |
| 21016.04405   | 5816.342429 | 36603.49176 | 18922.81492 |             |
| 1466.657276   | 8946.769839 | 17368.12383 | 5153.551292 |             |
| 5818.005063   | 15487.00664 | 3294.209665 | 7933.767024 |             |
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| 1.51_372.3472 | 16605.35588 | 28344.10877 | 0           | 288.4506486 |
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| 89002.07629   | 45753.70247 | 3876.668702 | 20355.27522 |             |
| 7033.111841   | 532.9037676 | 7290.292276 | 6513.046768 |             |
| 1.49_634.4371 | 1716.579251 | 1430.78976  | 21116.87295 |             |
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| 1678.243969   | 383.6809353 | 65.70766061 | 1420.740058 |             |
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| 1.51_444.3166 | 65.82253242 | 166.9923448 | 20436.48732 | 0           |
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| 81.158212     | 0           | 40.29058772 | 66.28744157 | 49.54628563 |
|               | 703.7597704 | 0           | 1499.862413 | 0           |
| 4472111.43    | 0           | 3330.06303  | 0           | 0           |
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| 1.51_465.322  | 0           | 0           | 0           | 72.82567467 |
|               | 4.134226751 | 1414.864145 | 542.8062725 | 0           |
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| 1.51_487.335  | 0           | 0           | 2084.77732  | 939.7759222 |
| 0             | 0           | 2276.953928 | 903.2249777 | 63.37801387 |
| 0             | 123.3015926 | 0           | 0           | 0           |
| 1618.410902   | 0           | 5304.673274 | 381022.0007 | 0           |
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| 1.51_488.3428 | 67.68663295 | 29.19070272 | 47648.9642  | 0           |
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| 1.51_678.4632 | 905.2245119 | 1012.727725 | 21692.62286 | 0           |
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| 1209.829433   | 4556.637089 | 0           | 95.06997717 | 0           |
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| 2597.881224   | 951.0802457 | 50.03790223 | 317.9553293 |             |
| 157.173727    | 3749.469942 | 0           | 0           | 1276.398856 |
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| 0             | 103.5723663 | 172.0306142 | 0           | 423.2749766 |
| 309.2574478   | 0           | 139.3029462 | 98.44946986 | 0           |
| 0             | 171.3029573 |             |             |             |
| 1.51_184.1333 | 5287.755831 | 6323.96786  | 7305.772657 |             |
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| 4857.155005   | 5541.561996 | 15424.1077  | 8910.175843 |             |
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| 21645.41424   | 8665.922049 | 19111.40437 | 9514.618766 |             |
| 5026.751395   | 5695.030641 | 7277.589458 | 10743.69324 |             |
| 9062.95406    |             |             |             |             |
| 1.51_214.253  | 17289.75658 | 37203.21614 | 2532.939479 |             |
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| 15290.72195   | 10385.61047 | 12404.99648 | 11811.57217 |             |
| 10671.90248   | 17802.23451 | 7191.870465 | 4146.703343 |             |
| 5012.131481   | 6447.503722 | 29414.71271 | 11908.49239 |             |
| 6002.649421   | 10092.56028 | 22517.82025 | 8014.546296 |             |
| 10626.13092   | 6689.462564 | 7926.54049  | 6403.629312 |             |
| 7953.86735    |             |             |             |             |
| 1.51_230.2479 | 104038.8717 | 310255.8915 | 33334.99081 |             |
| 37983.87112   | 116492.6674 | 75690.53384 | 138170.8627 |             |
| 353272.4649   | 73218.38244 | 91856.76525 | 37642.23564 |             |
| 53483.49976   | 72149.68683 | 114672.9636 | 100415.3081 |             |
| 48582.97202   | 54692.21546 | 434591.684  | 241929.6265 |             |
| 38073.47368   | 55072.14678 | 159582.2013 | 37558.68762 |             |
| 129632.7211   | 47114.49453 | 47449.57803 | 39683.46618 |             |
| 106642.5488   |             |             |             |             |
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| 31555.75315   | 2334.099385 | 797.7638956 | 6508.713907 |             |
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| 21393.09027   | 55159.65807 | 3061.307516 | 2862.381387 |             |
| 148.3655127   | 4888.3791   | 11150.14226 | 26596.83685 |             |
| 1745.590203   | 4712.384802 | 35120.31112 | 43068.90799 |             |
| 2249.283901   |             |             |             |             |
| 1.51_261.1237 | 10984.64048 | 7833.055037 | 6028.183857 |             |
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| 10584.63044   | 9639.681546 | 9961.191215 | 6960.733589 |             |
| 9371.55585    | 11132.13431 | 9850.52599  | 5495.299763 |             |
| 8158.042546   | 3768.77887  | 11420.43725 | 10776.53729 |             |
| 3687.701929   | 6730.318436 | 14564.02909 | 7621.327023 |             |
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| 7397.328822   |             |             |             |             |
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| 9762.051277   | 14044.11193 | 58345.14303 | 6818.482867 |
| 3390.173972   | 12705.01861 | 22563.89123 | 13904.82556 |
| 51.94630618   | 10201.57384 | 62585.2054  | 5155.900705 |
| 3023.185216   | 5177.019138 | 6927.235322 | 5570.252122 |
| 22831.24197   |             |             |             |
| 1.55_240.1805 | 8890.425221 | 8410.984715 | 8139.421881 |
| 3510.180122   | 14737.54383 | 13899.57017 | 11917.3309  |
| 16391.89111   | 3940.242865 | 12777.14211 | 12664.82227 |
| 7419.618511   | 11283.05622 | 7651.850368 | 5372.037371 |
| 5360.056142   | 3741.707219 | 14124.30555 | 3982.586335 |

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| 13089.8368    | 7735.950315 | 10114.56015 | 5350.632389 |             |
| 7908.263042   | 8668.834382 | 6648.160704 | 5377.191931 |             |
| 8357.066981   |             |             |             |             |
| 1.55_240.1231 | 331.3853597 | 242.5904285 | 49512.9722  |             |
| 25694.02754   | 906.8938814 | 530.4719262 | 2920.498159 |             |
| 111.2763682   | 51.00957719 | 529.5203663 | 3846.074543 |             |
| 184.2447323   | 338.1454413 | 229.8683388 | 56983.39803 |             |
| 16444.28922   | 48902.87339 | 1493.056066 | 796.9248471 | 0           |
|               | 428.6134575 | 4477.211185 | 18037.19831 | 281.7330468 |
|               | 3072.281213 | 20980.49308 | 23652.16127 | 410.3200525 |
| 1.55_268.1754 | 8981.509844 | 5350.92115  | 6527.372559 |             |
| 1344.826741   | 9970.311155 | 16019.44877 | 16389.06058 |             |
| 10451.95168   | 1684.558026 | 18924.01473 | 19383.32807 |             |
| 7724.724916   | 13010.71249 | 14920.11737 | 2374.952533 |             |
| 8372.866199   | 9412.6102   | 18588.10039 | 2275.342403 |             |
| 2104.017229   | 10185.67188 | 20405.1052  | 10039.56008 |             |
| 6575.09141    | 7451.407482 | 6857.08996  | 8963.6864   |             |
| 6214.976078   |             |             |             |             |
| 1.55_278.175  | 310.9198167 | 483.897334  | 79373.0755  |             |
| 67767.47999   | 457.860516  | 991.2236191 | 6726.674753 |             |
| 117.6864971   | 0           | 767.7760109 | 9649.505112 | 464.8314818 |
|               | 654.0128042 | 521.5103047 | 84619.00526 | 27060.48381 |
|               | 167068.1651 | 1657.159381 | 2244.817177 | 1633.94636  |
|               | 135.1912491 | 5029.203909 | 53366.29522 | 164.7967937 |
|               | 10309.69913 | 50106.48144 | 47723.34204 | 170.3890451 |
| 1.55_316.3209 | 9483.779117 | 51751.8205  | 1451.544572 | 0           |
|               | 957.6599092 | 6093.995356 | 26103.40255 | 25123.70314 |
|               | 13333.02613 | 0           | 8813.074268 | 11144.58957 |
|               | 36.69377532 | 0           | 0           | 1448.408748 |
| 2694.241571   | 1579.163451 | 17257.37392 | 178.3555732 | 0           |
|               | 530.6776085 | 0           | 52.64297282 |             |
| 1.55_342.2487 | 6321.546168 | 7390.063776 | 6910.458743 |             |
| 3063.117641   | 9595.08332  | 9497.736002 | 5014.248594 |             |
| 4613.573898   | 8620.809105 | 10026.73489 | 4146.307015 |             |
| 8986.886061   | 4694.103018 | 1693.176879 | 8257.244134 |             |
| 3831.929154   | 5775.997407 | 13077.58309 | 6202.798979 |             |
| 627338.9011   | 7603.600956 | 9342.897126 | 11368.07503 |             |
| 4934.471249   | 10827.49792 | 7838.549055 | 6587.254185 |             |
| 4361.905253   |             |             |             |             |
| 1.55_385.2669 | 0           | 28709.77369 | 24.0190882  |             |
| 49.46960365   | 0           | 750.0930528 | 7709.326577 | 0           |
|               | 4.529957334 | 0           | 181.4565703 |             |
| 42.46997721   | 149.7792509 | 308.9400965 | 440.7990993 |             |
| 2913467.918   | 284.6186116 | 178.5931633 | 35.99934853 | 0           |
|               | 14.47758828 | 37.72571213 | 68.03727661 | 0.020826125 |
| 1.55_385.7686 | 0           | 6252.67299  | 0           | 0           |
|               | 0           | 779.2928038 | 0           | 0           |
|               | 0           | 0           | 0           | 696762.9226 |
|               | 0           | 0           | 0           | 0           |
| 1.55_386.2748 | 172.1974185 | 3562.141485 | 20664.87992 |             |

|               |             |             |             |             |             |   |
|---------------|-------------|-------------|-------------|-------------|-------------|---|
| 241.9214332   | 114.6547823 | 14037.88843 | 496.1964138 |             |             |   |
| 1064.534231   | 3554.947751 | 1464.796703 | 2332.571197 |             |             |   |
| 2795.330721   | 0           | 523.7446906 | 4477.969553 | 543.3444192 |             |   |
| 6647.721077   |             | 1096.702889 | 155.9055358 | 2740170.9   |             |   |
| 114.5526365   |             | 13394.65258 | 2161.691306 | 121.6457962 |             |   |
| 5182.110062   |             | 1476.533585 | 3230.796994 | 1534.894012 |             |   |
| 1.55_400.2723 | 0           | 39.49079182 | 76163.44299 | 2413.021839 |             |   |
| 2832.163721   |             | 47.46174521 | 32.44626897 | 4930.83263  |             |   |
| 14362.29034   |             | 912.362477  | 42.15131936 | 0           | 0           |   |
| 174.2658841   |             | 10536.1373  | 403.4514747 | 6642.258233 |             |   |
| 3495.171058   |             | 41608.81536 | 5125944.564 | 226.5549973 |             |   |
| 38379.23958   |             | 2954.414018 | 7351.582409 | 2515.903596 |             |   |
| 1475.142759   |             | 17506.42358 | 52.01088101 |             |             |   |
| 1.54_480.8289 | 0           | 0           | 592.2158351 | 0           | 0           | 0 |
| 0             | 313.6186602 | 0           | 0           | 0           | 0           | 0 |
| 0             | 0           | 0           | 0           | 1649.198718 |             |   |
| 408868.5737   | 84.16806027 | 388.7799696 | 0           | 0           | 0           |   |
| 0             | 0           | 0           |             |             |             |   |
| 1.55_407.28   | 0           | 0           | 37487.06294 | 0           | 0           |   |
| 48.4097362    | 0           | 2276.688983 | 8481.948119 | 0           | 0           |   |
| 0             | 0           | 0           | 14.12211525 | 0           | 90.37428086 |   |
| 0             | 1795.209338 | 3405199.96  | 0           | 142.5123611 |             |   |
| 0             | 0           | 0           | 0           | 271.3352157 | 0           |   |
| 1.55_429.2933 | 0           | 0           | 33204.05411 | 451.6784701 |             |   |
| 521.2408922   | 0           | 0           | 3053.861349 | 6830.048434 | 0           |   |
| 0             | 0           | 0           | 0           | 431.6901789 | 312.4211782 |   |
| 657.8844766   | 209.6176617 | 2228.124257 |             | 2789848.975 |             |   |
| 0             | 258.383557  | 560.8844915 | 0           | 77.13443562 |             |   |
| 0             | 0           | 0           |             |             |             |   |
| 1.55_429.7949 | 0           | 0           | 10463.16073 | 0           | 0           | 0 |
| 0             | 273.4319254 | 1088.694797 | 0           | 0           | 0           | 0 |
| 0             | 0           | 0           | 0           | 0           | 0           | 0 |
| 1166648.755   | 0           | 0           | 0           | 0           | 0           | 0 |
| 0             |             |             |             |             |             |   |
| 1.55_430.3011 | 0           | 73.31920695 | 42214.98918 | 0           | 0           |   |
| 0             | 0           | 458.4310775 | 8674.082663 | 0           | 0           |   |
| 0             | 0           | 0           | 137.6021147 | 358.0827399 |             |   |
| 225.297595    | 0           | 5598618.308 | 2.381721343 |             |             |   |
| 3422.939236   | 0           | 0           | 0           | 0           | 0           |   |
| 1.55_444.8    | 0           | 0           | 11087.34485 | 0           | 0           | 0 |
| 0             | 124.4824913 | 1721.1549   | 0           | 0           | 0           | 0 |
| 0             | 0           | 0           | 0           | 0           | 0           | 0 |
| 1023931.419   | 0           | 0           | 0           | 0           | 0           | 0 |
| 0             |             |             |             |             |             |   |
| 1.55_451.808  | 0           | 0           | 2937.540498 | 0           | 0           | 0 |
| 0             | 177.2069787 | 690.8043765 | 0           | 0           | 0           | 0 |
| 0             | 0           | 0           | 0           | 0           | 201.1004906 |   |
| 379746.5957   | 0           | 0           | 0           | 0           | 0           | 0 |
| 0             | 0           |             |             |             |             |   |
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|---------------|-------------|-------------|-------------|-------------|-------------|
|               | 19.23456448 | 705.968126  | 683.1195612 | 0           | 0           |
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| 1624.361324   | 514860.7952 | 203.2775063 | 0           | 0           | 0           |
|               | 0           | 0           | 0           |             |             |
| 1.55_473.8211 | 0           | 0           | 3654.183487 | 0           | 0           |
|               | 0           | 411.7048124 | 1174.101546 | 0           | 0           |
|               | 0           | 0           | 0           | 0           | 1016.380689 |
|               | 792476.3588 | 0           | 0           | 0           | 0           |
|               | 0           |             |             |             |             |
| 1.55_474.3273 | 0           | 0           | 80436.57217 | 0           | 0           |
|               | 0           | 1925.797213 | 14892.56974 | 0           | 0           |
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| 9246484.147   | 0           | 3092.05808  | 0           | 0           | 0           |
|               | 0           |             |             |             |             |
| 1.55_480.3271 | 0           | 0           | 6456.664412 | 0           | 107.9335179 |
|               | 21.54516059 | 22.61403492 | 1853.220356 |             | 2618.102541 |
|               | 0           | 25.81508472 | 0           | 0           | 0           |
|               | 444.8071426 | 0           | 5120.803547 | 885777.2678 |             |
| 111.4052934   | 0           | 172.7717388 | 12.06175097 |             | 13.01590954 |
|               | 0           | 133.0405095 | 0           |             |             |
| 1.55_488.8264 | 0           | 0           | 1731.093875 | 0           | 0           |
|               | 0           | 0           | 0           | 0           | 0           |
|               | 0           | 0           | 0           | 0           | 358888.8131 |
|               | 0           | 0           | 0           | 0           | 0           |
| 1.55_495.8343 | 0           | 0           | 591.2263002 | 0           | 0           |
|               | 0           | 120.6432312 | 346.1673037 | 0           | 0           |
|               | 0           | 0           | 0           | 0           | 1832.569623 |
|               | 206340.7716 | 0           | 0           | 0           | 0           |
|               | 0           |             |             |             |             |
| 1.55_502.3403 | 0           | 323.9836135 | 5287.868289 | 0           | 0           |
|               | 5847.027469 | 344.3116178 | 2807.385659 |             | 1974.344123 |
|               | 175.1569069 | 316.2790504 | 1231.130526 | 0           |             |
| 918.1984214   | 0           | 0           | 496.8714287 | 0           | 10224.67228 |
|               | 395438.8988 | 244.3090866 | 1237.063132 |             | 432.4302282 |
|               | 0           | 170.1959836 | 0           | 0           | 0           |
| 1.55_407.7817 | 0           | 0           | 4706.998821 | 0           | 0           |
|               | 0           | 88.02118584 | 1473.693793 | 0           | 0           |
|               | 0           | 0           | 0           | 0           | 105.510248  |
|               | 736174.8639 | 0           | 0           | 0           | 0           |
|               | 0           |             |             |             |             |
| 1.54_227.0915 | 97.13323247 | 129.3131725 | 43250.55214 |             |             |
| 18007.28249   | 110.6827936 | 61.90906238 | 2251.79777  |             |             |
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|               | 222.8455936 | 4145.295208 | 11154.11802 |             | 125.2305913 |
|               | 1339.656789 | 21618.20597 | 28555.06585 |             | 73.96759716 |
| 1.54_226.1438 | 347.5130206 | 293.650339  | 15528.08248 |             |             |
| 16154.148     | 347.2049846 | 745.4201759 | 1681.796877 |             |             |
| 404.0041454   | 336.680005  | 1168.428697 | 2625.471552 |             |             |

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|---------------|-------------|-------------|-------------|-------------|
| 257.9656047   | 435.4313992 | 642.3696039 | 35167.94124 |             |
| 5766.633073   | 22515.76463 | 3500.802439 | 727.9329339 | 0           |
| 468.3769531   | 4829.801523 | 9730.148991 | 433.3049316 |             |
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| 1.54_200.2374 | 3025.638968 | 41701.0879  | 386.3792529 | 0           |
| 6288.061737   | 1915.760494 | 7699.752578 | 27656.24221 |             |
| 5279.904109   | 1910.868342 | 863.3209401 | 1584.58207  |             |
| 2967.235427   | 2418.96056  | 137.0344261 | 789.785059  |             |
| 0             | 6624.292656 | 13268.33599 | 0           | 3516.27232  |
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| 1.52_311.11   | 1306.011663 | 1588.848236 | 10110.39231 |             |
| 9268.286108   | 2740.749792 | 1738.21879  | 6104.473219 |             |
| 1601.417418   | 1192.252575 | 2643.758757 | 9937.309739 |             |
| 2482.222096   | 1904.955767 | 1317.053229 | 12056.6907  |             |
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| 1415.717822   | 11604.1553  | 8272.178638 | 1399.006035 |             |
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| 1.52_334.1496 | 862.7582635 | 378.7802592 | 95536.78384 |             |
| 38802.29568   | 818.7461178 | 497.5093158 | 4316.222785 |             |
| 661.8710883   | 0           | 678.3207036 | 13340.97201 | 624.2583246 |
| 955.5602778   | 714.2621126 | 102967.3256 | 31834.08723 |             |
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| 1120.399961   | 16120.44715 | 29466.79659 | 777.5283589 |             |
| 4367.359641   | 51991.75803 | 63255.0085  | 893.6602069 |             |
| 1.52_378.1758 | 1600.966174 | 1139.194721 | 30575.01312 |             |
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| 1347.826394   | 600.156957  | 1572.757874 | 5077.24656  |             |
| 1275.720484   | 1530.086178 | 845.0352577 | 33872.23116 |             |
| 11569.42612   | 28950.69903 | 1191.9298   | 1590.618917 | 0           |
| 1939.054254   | 8900.298947 | 12232.29585 | 831.6577894 |             |
| 2911.551167   | 22740.92505 | 23080.80603 | 1569.998525 |             |
| 1.52_392.2747 | 0           | 0           | 9316.736032 | 588.4738223 |
| 77.10007788   | 181.3867891 | 0.194615576 | 831.7514632 |             |
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| 0             | 184.8214703 | 13.53852048 | 0           |             |
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| 0             | 0           | 0           | 0           | 207.3074173 |
| 636451.3095   | 0           | 0           | 0           | 0           |
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| 1.52_121.0648 | 127.510501  | 6539.295492 | 8466.325332 |             |
| 5336.57871    | 114.3772597 | 148.2403461 | 1111.15449  |             |
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| 79.4696866    | 117.7329523 | 157.0847929 | 11063.18619 |             |
| 3018.035992   | 8485.509166 | 358.299108  | 298.3422754 | 0           |
| 713.2681812   | 2233.312319 | 4631.336478 | 98.47816015 |             |
| 809.3552967   | 5497.025345 | 7285.492884 | 145.0084398 |             |



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| 1.52_253.1045 | 2366.373726 | 1845.875627 | 32381.45164 |             |
| 25049.88127   | 3329.032293 | 3329.579027 | 16644.37415 |             |
| 2530.197201   | 1229.416254 | 3981.235842 | 22650.83123 |             |
| 2301.460804   | 1778.483125 | 3020.254379 | 38921.12838 |             |
| 28138.98841   | 16856.61575 | 2504.651894 | 7102.993576 | 0           |
| 3066.044309   | 22630.18632 | 31197.18383 | 2239.298786 |             |
| 22744.27073   | 34286.01269 | 32263.34444 | 3457.838521 |             |
| 1.52_292.1391 | 2685.011875 | 2930.652424 | 147192.2573 |             |
| 63400.0081    | 3271.924951 | 1473.38551  | 13011.11921 |             |
| 3013.703349   | 1739.604725 | 2951.776909 | 24798.37548 |             |
| 2581.969883   | 2573.342276 | 2299.015288 | 160601.295  |             |
| 53513.92246   | 111868.7833 | 3138.635303 | 4462.618816 |             |
| 350.3279312   | 4315.407215 | 35732.39065 | 51811.10287 |             |
| 2106.591895   | 10304.16177 | 86629.21876 | 106558.5485 |             |
| 3182.483616   |             |             |             |             |
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| 4745.069116   | 1446.697407 | 2463.153039 | 1273.291799 |             |
| 701.8345103   | 508.146067  | 2159.245256 | 2122.672383 |             |
| 1455.330513   | 1539.084093 | 1019.955961 | 7156.490811 |             |
| 3790.443066   | 7593.726447 | 4133.230687 | 3764.692795 | 0           |
| 1417.461089   | 4984.097999 | 3786.62761  | 712.4393851 |             |
| 1779.778343   | 4482.366678 | 5169.875982 | 1801.379633 |             |
| 1.53_196.1333 | 1118.357688 | 512.0190647 | 20724.4658  |             |
| 45901.09581   | 2302.055912 | 2284.8369   | 5736.472705 |             |
| 612.7984861   | 422.3226119 | 1626.150559 | 1990.404419 |             |
| 944.9927455   | 729.1360754 | 1379.332822 | 117446.8874 |             |
| 8057.410631   | 58447.42073 | 3213.257025 | 5763.050307 |             |
| 2138.325464   | 1114.761857 | 3189.839798 | 24761.43837 |             |
| 480.1597871   | 18902.78293 | 12706.36929 | 6610.893758 |             |
| 1941.007636   |             |             |             |             |
| 1.53_248.1493 | 8863.434458 | 7520.966388 | 570704.6392 |             |
| 305241.3672   | 10119.91724 | 10721.43852 | 64611.60916 |             |
| 7682.262306   | 5562.880106 | 11931.96975 | 97746.74682 |             |
| 6857.959087   | 8688.87513  | 9316.028488 | 724074.2014 |             |
| 202111.6423   | 463918.9735 | 16259.68497 | 23586.62751 |             |
| 3382.202152   | 11919.52103 | 148214.752  | 248063.299  |             |
| 6707.230311   | 59483.92893 | 333089.0696 | 441934.2289 |             |
| 8432.488475   |             |             |             |             |
| 1.53_414.2878 | 0           | 4386.733949 | 17527.81575 | 230.5916518 |
| 111.0069374   | 695.3585434 | 127.2154818 | 1992.161538 |             |
| 4254.062094   | 0           | 0           | 48.65377073 | 0           |
| 461.3238677   | 445.2949834 | 0           | 780.0477471 | 932.7292605 |
| 1811.903384   | 1863860.393 | 0           | 2749.942873 | 0           |
| 0             | 0           | 0           | 110.7786597 | 896.6738546 |
| 1.53_414.7895 | 0           | 0           | 2611.165079 | 0           |
| 0             | 351.3715916 | 528.939542  | 0           | 0           |
| 0             | 0           | 0           | 0           | 0           |
| 469243.5049   | 0           | 0           | 0           | 944.4919341 |
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| 1.53_532.3692 | 0           | 0           | 74323.97612 | 0           |

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| 0             | 2172.847863   | 12972.8323  | 48.02258589   | 0 |
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| 0             | 0 0           | 0 0         | 0             |   |
| 1.53_177.0911 | 345.8624856   | 109.8063994 | 17432.47513   |   |
| 10074.69873   | 280.1224632   | 225.0494719 | 2032.540701   |   |
| 68.8568578    | 0 182.7070107 | 2635.751262 | 161.4106758   |   |
| 194.1791242   | 184.7077602   | 23613.54232 | 7154.616836   |   |
| 15699.71427   | 273.230717    | 434.4132054 | 0             |   |
| 140.9161466   | 4306.130559   | 8997.235478 | 81.34601133   |   |
| 1702.644121   | 11347.19253   | 15039.47316 | 181.2724654   |   |
| 1.53_368.4249 | 71641.97529   | 34101.29556 | 6191.676218   |   |
| 18509.57294   | 50873.54136   | 48781.30594 | 24933.55447   |   |
| 125384.723    | 90455.63041   | 19068.71601 | 91176.03583   |   |
| 30971.26299   | 30696.75424   | 27061.72167 | 27591.25026   |   |
| 19311.73671   | 24349.48543   | 119250.1423 | 99923.4771    |   |
| 16050.48441   | 70244.19108   | 462398.8624 | 28207.53442   |   |
| 65000.58406   | 24913.58485   | 28968.74773 | 28381.04428   |   |
| 21069.10817   |               |             |               |   |
| 1.53_436.301  | 1888.345296   | 10443.82609 | 8763.212149   |   |
| 497.6290978   | 10.01688934   | 6.543816404 | 17297.8823    |   |
| 31593.75762   | 40419.90048   | 3.31826902  | 7.755653295   |   |
| 674.0591176   | 3361.590337   | 1895.196995 | 1066.913657   |   |
| 42.60793027   | 2360.604291   | 397.9177145 | 3621.571964   |   |
| 1540831.939   | 112.1940034   | 15474.18289 | 416.9440689   |   |
| 4.255712025   | 13391.35328   | 101.644466  | 2436.886558   |   |
| 0.813765249   |               |             |               |   |
| 1.53_436.8027 | 0 0           | 468.734523  | 0 0 0         |   |
| 0             | 423.5677153   | 406.1541039 | 0 0 0         |   |
| 0             | 0 0           | 0 0         | 0 1102.079188 |   |
| 295691.8309   | 0             | 0 0         | 0 0 0         |   |
| 0             | 0             |             |               |   |
| 1.53_766.5157 | 0 0           | 8504.465721 | 0 0 0         |   |
| 0             | 126.2694739   | 405.547106  | 0 0           |   |
| 107.9961247   | 0 269.3256643 | 0           | 0 0           |   |
| 529.1912166   | 413.8735102   | 1962892.222 | 356.4203171 0 |   |
| 0             | 112.8637752   | 127.123374  | 0 0           |   |
| 43.67115474   |               |             |               |   |
| 1.53_196.0969 | 2431.379974   | 1061.495338 | 18599.79261   |   |
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| 1046.180348   | 301.6507536   | 1928.316338 | 3061.018662   |   |
| 1710.836047   | 2060.642713   | 2633.317296 | 29783.41356   |   |
| 9630.295966   | 21856.8087    | 8977.402679 | 3380.63207    |   |
| 2137.788606   | 1684.264639   | 8368.905579 | 11757.91168   |   |
| 1229.117      | 3045.427467   | 14143.07919 | 10270.6687    |   |
| 3745.352395   |               |             |               |   |
| 1.53_576.3955 | 0 51.4077112  | 99334.49826 | 0 0           |   |
| 0             | 0 2627.010579 | 15007.25722 | 0 0           |   |
| 0             | 0 0           | 0 0         | 0 0           |   |
| 291.856045    | 11781571.02   | 67.58486636 | 618.9211571 0 |   |

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| 339.2198612   | 0           | 0           | 0           | 0           |
| 1.54_172.0969 | 4020.867799 | 10274.00564 | 36870.66727 |             |
| 6835.810129   | 34806.2381  | 5596.203232 | 3454.525303 |             |
| 23094.68883   | 932.4304816 | 1884.920917 | 11849.72346 |             |
| 1992.855498   | 5200.047166 | 1130.816762 | 12686.60205 |             |
| 4546.561217   | 10900.70953 | 3554.378412 | 3012.870392 |             |
| 1587.350961   | 3781.00131  | 8882.386412 | 8072.629388 |             |
| 5861.363884   | 3179.471078 | 8744.862702 | 5863.279142 |             |
| 5828.229847   |             |             |             |             |
| 1.54_369.3837 | 4542.67917  | 8283.072809 | 0           | 0           |
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| 455.5187134   | 153.2723802 | 25077.79817 | 0           | 3173.876659 |
| 393.2249727   | 0           | 0           | 0           | 7759.387721 |
| 7828.195773   | 0           | 3095.228444 | 507405.6299 | 2417.719739 |
| 5150.740991   | 530.0721458 | 0           | 431.855617  |             |
| 406.2195401   |             |             |             |             |
| 1.54_428.3735 | 17117.64329 | 74236.92591 | 0           | 1116.282139 |
| 1625.370903   | 1915.473302 | 14647.52862 | 43620.76203 |             |
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| 14257.48241   | 8415.879461 | 0           | 471.4134788 | 0           |
| 124511.9885   | 19327.53441 | 577.9335664 | 6021.339112 |             |
| 1484.189222   | 0           | 12268.45068 | 22034.61184 |             |
| 629.4343765   | 954.3445915 | 1280.158184 |             |             |
| 1.54_430.3891 | 74674.45825 | 208385.1334 | 7360.459374 |             |
| 7795.037608   | 25078.42461 | 21075.52418 | 177193.9182 |             |
| 123780.4163   | 58856.20911 | 30563.33799 | 9186.557907 |             |
| 31183.63765   | 42410.14096 | 18117.25832 | 89946.25856 |             |
| 14044.47721   | 13928.27723 | 272923.8415 | 50150.1331  |             |
| 633.682114    | 41668.43122 | 49907.96353 | 27457.78334 |             |
| 78537.94684   | 54632.90756 | 17965.02922 | 8121.516845 |             |
| 18864.93767   |             |             |             |             |
| 1.54_458.3142 | 0           | 96.81028014 | 11522.67247 | 136.4310918 |
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| 1.54_195.0878 | 9136.171674 | 26138.20107 | 0           | 15165.49309 |
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| 67937.49344   | 7882.056071 | 10178.13637 | 282.4802195 |             |
| 52106.38683   | 23.02758181 | 87.48780695 | 112812.4636 |             |
| 1.51_370.2616 | 393.1610084 | 112.3891227 | 780.8453266 |             |
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| 1013.647573   | 122.5134915 |               |               |
| 1.64_230.1393 | 21200.00075 | 24501.54264   | 217886.6949   |
| 46698.1027    | 24409.65692 | 16822.08592   | 19858.4624    |
| 21587.20039   | 21811.64975 | 16815.17303   | 33516.55833   |
| 18959.60602   | 23726.48298 | 22727.93459   | 50341.51418   |
| 32468.61567   | 127254.9578 | 21460.16322   | 27062.29636   |
| 12458.93092   | 21364.13049 | 35598.85215   | 43531.93298   |
| 21922.64467   | 21098.36348 | 68431.42602   | 31024.67649   |
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| 1352.402541   | 273.7366443 | 0 0           | 9065.446539   |
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| 1.64_533.3404 | 1493.822712 | 2565.926233   | 94915.6163    |
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| 31534.63283   | 16458.81451 | 646261.4613   | 1558.899888   |
| 4247.087548   | 2153.473016 | 4268.069806   | 8471.623454   |
| 5321.018852   | 2967.365251 | 9351.75136    | 13336.24325   |
| 195450.0556   | 1375.266232 | 313826.0265   | 4589.746157   |
| 8653.727403   | 1432.970959 | 1286.622618   | 15527.31963   |
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| 1.84_234.1489 | 0 0         | 7874.246314   | 6628.131617   |
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| 1.84_490.3221 | 0 0         | 16413.33918   | 0 0 0         |
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| 1.85_101.082  | 18249.44164 | 25478.14546   | 23916.75459   |
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| 35327.58345   | 37619.782   | 17894.49029   | 13377.22253   |
| 32803.07714   | 17253.84585 | 11463.41131   | 42040.57197   |
| 21682.98709   | 30145.60862 | 60400.7938    | 34652.80034   |
| 5635.230427   | 38178.77525 | 108981.4616   | 31069.49526   |
| 15101.90767   | 46025.58922 | 21886.01359   | 56717.37305   |
| 31739.82501   |             |               |               |
| 1.85_222.1489 | 78.54634052 | 463.8832518   | 62544.21453   |
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| 300.8452247   | 581.3173345 | 297.7265354   | 933.9985638   |
| 4428.806852   | 32591.69083 | 120.8094089   | 1421.473879   |
| 34405.4251    | 29092.22437 | 0             |               |

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|---------------|-------------|-------------|-------------|-------------|------------|---|
| 1.85_534.3484 | 0           | 0           | 22111.72083 | 0           | 0          | 0 |
| 0             | 1286.977335 |             | 74.87367106 | 14877.99826 |            | 0 |
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| 141.4487588   | 4052286.222 | 0           | 5717.60968  | 0           |            | 0 |
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| 1.85_578.3746 | 0           | 0           | 20047.54347 | 0           | 0          | 0 |
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| 0             | 4435686.8   | 0           | 17831.2923  | 0           |            | 0 |
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| 1.85_622.4007 | 0           | 0           | 20550.29973 | 0           | 0          | 0 |
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| 1.85_100.0943 | 6172.689671 |             | 8950.402361 | 8316.777188 |            |   |
| 14453.38669   | 17448.81704 |             | 9021.322887 | 7616.351643 |            |   |
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| 12217.52885   | 6077.338902 |             | 3560.370831 | 13380.9904  |            |   |
| 8090.759342   | 11029.55689 |             | 21528.5017  | 11179.64845 |            |   |
| 1779.646618   | 13193.33189 |             | 42689.78809 | 11527.0116  |            |   |
| 5464.419521   | 16994.9255  |             | 7558.196138 | 18290.62927 |            |   |
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| 1.85_346.1762 | 224787.348  |             | 216436.6558 | 148374.3652 |            |   |
| 222736.1801   | 373789.2754 |             | 303744.1356 | 226716.1329 |            |   |
| 293545.918    | 303671.7018 |             | 180181.0792 | 149048.2822 |            |   |
| 303619.9316   | 229521.1075 |             | 143862.0946 | 168718.2511 |            |   |
| 201759.9982   | 137968.5973 |             | 292425.0195 | 308445.1474 |            |   |
| 95950.81405   | 191449.6101 |             | 395251.8595 | 224069.1586 |            |   |
| 211126.7465   | 298996.2603 |             | 184003.8997 | 225025.2914 |            |   |
| 206476.4209   |             |             |             |             |            |   |
| 1.85_525.2346 | 36016.9087  | 0           | 0           | 21999.5279  |            |   |
| 1648.316737   | 110314.7625 |             | 3741.696721 | 0           | 0          |   |
| 69925.47206   | 42.67050969 | 0           | 23983.76432 | 52759.62814 |            |   |
|               | 73009.71158 | 28.32310173 | 11284.39941 | 0           |            |   |
| 124072.4315   | 43345.99381 | 0           | 0           | 26208.60856 |            |   |
| 31420.95812   | 0           | 41185.44469 | 1626.06409  | 11173.02414 |            |   |
| 1.85_666.4269 | 0           | 0           | 13959.03209 | 0           | 0          | 0 |
| 0             | 242.6701531 | 0           | 48035.54785 | 0           |            | 0 |
| 0             | 0           | 0           | 0           | 0           | 0          |   |
| 3666648.922   | 0           | 5325.173577 | 0           | 0           | 0          | 0 |
| 428.8470406   | 0           |             |             |             |            |   |
| 1.85_700.572  | 37747.92183 |             | 142246.0255 | 1333.226325 |            |   |
| 6192.746282   | 0           | 17134.42056 | 142918.6334 | 82391.75621 |            |   |
|               | 268156.3021 | 0           | 309.0464766 | 6905.29566  |            |   |
| 53952.84914   | 130899.0817 | 0           | 0           | 0           | 0          |   |
| 6697.45818    | 0           | 27589.88482 | 0           | 917.4444656 |            | 0 |
|               | 23280.18179 | 4007.191024 | 24490.50512 | 0           |            |   |
| 1.84_141.1022 | 5250.53125  |             | 5413.598496 | 6719.173195 |            |   |
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| 8566.077921   | 9350.542915 | 4487.435449 | 3563.626912 |             |
| 7558.551053   | 4155.017314 | 2936.502153 | 8501.182135 |             |
| 5245.148833   | 7585.037722 | 13449.21119 | 7644.786965 |             |
| 975.7515473   | 6111.221213 | 23004.9088  | 7038.823196 |             |
| 4530.683494   | 8700.316514 | 5851.414088 | 13068.65295 |             |
| 8232.906029   |             |             |             |             |
| 1.86_246.1017 | 78766.72555 | 85878.33514 | 62248.00028 |             |
| 51982.0737    | 76119.73302 | 97286.93321 | 62406.77731 |             |
| 71733.42031   | 70273.48671 | 78515.48617 | 72902.85213 |             |
| 59526.81004   | 88879.61072 | 121951.4895 | 51362.08979 |             |
| 58862.63471   | 54526.09488 | 60270.07426 | 81757.36135 |             |
| 68097.24472   | 62060.37352 | 76535.9543  | 58768.53862 |             |
| 66990.13953   | 58125.19103 | 63480.71633 | 47771.61695 |             |
| 59926.74867   |             |             |             |             |
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| 0             | 0           | 0           | 0           | 66.10835693 |
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| 0             | 0           | 1474654.001 | 0           | 1563.985385 |
| 0             | 121.6548935 | 1222.43334  | 1336.176128 | 0           |
| 1.87_248.1142 | 109358.2216 | 118860.2134 | 79450.49483 |             |
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| 92303.00372   | 94014.02074 | 98346.40285 | 92535.56793 |             |
| 79929.34537   | 118781.7114 | 166618.9086 | 68908.70832 |             |
| 81409.52262   | 70268.36962 | 82625.9267  | 108492.4355 |             |
| 88337.52824   | 71297.93879 | 89474.35182 | 79096.57365 |             |
| 89594.72036   | 74099.35324 | 81670.85931 | 60188.97066 |             |
| 79289.72459   |             |             |             |             |
| 1.87_291.1453 | 129887.8423 | 171735.315  | 52763.91235 |             |
| 67536.12708   | 193029.6319 | 184489.286  | 121005.7256 |             |
| 157644.9485   | 163597.0199 | 125299.7709 | 102175.8572 |             |
| 118247.1303   | 145126.9988 | 203059.0713 | 50584.60991 |             |
| 75300.03662   | 41975.80784 | 139640.6026 | 109698.3492 |             |
| 76191.67878   | 67278.16133 | 85368.73884 | 65955.59643 |             |
| 108126.2459   | 119545.831  | 62105.16113 | 66427.80327 |             |
| 115332.3041   |             |             |             |             |
| 1.87_514.1844 | 107556.0985 | 82979.12632 | 29384.98402 |             |
| 29081.10523   | 59128.35163 | 115227.5997 | 87008.10236 |             |
| 111914.6408   | 113775.1528 | 101296.2646 | 82372.0294  |             |
| 80097.26333   | 117016.9445 | 87825.23435 | 19982.8522  |             |
| 58301.56582   | 19444.20081 | 57177.76726 | 93158.56917 |             |
| 71485.00561   | 54993.15356 | 17686.24061 | 42638.7288  |             |
| 93463.55861   | 62075.15008 | 53693.0881  | 13940.95575 |             |
| 64705.92691   |             |             |             |             |
| 1.88_369.3515 | 92502.29545 | 194623.1532 | 25395.27287 |             |
| 40326.27485   | 11313.99986 | 49938.23198 | 124739.9896 |             |
| 188695.1365   | 190992.727  | 13734.8201  | 13988.42554 |             |
| 46413.46565   | 105692.3373 | 94531.15037 | 8943.8056   |             |
| 8519.798625   | 22259.27166 | 55996.7047  | 72993.42896 |             |
| 2676.242714   | 45847.53934 | 52839.26368 | 31020.17981 |             |
| 21045.15356   | 77649.93508 | 32831.52221 | 40001.52183 |             |

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| 4618.466817   |             |             |             |             |
| 1.88_371.3267 | 302354.6574 | 25124.26737 | 93904.32455 |             |
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| 55582.30043   | 20234.52422 | 121364.423  | 14441.61833 |             |
| 18688.98576   | 315185.9265 | 18775.48846 | 62127.40892 |             |
| 18030.89021   | 10353.0164  | 68826.82688 | 1599574.181 |             |
| 99853.92435   | 78125.17902 | 13401.04936 | 21003.8119  |             |
| 29142.35132   | 18145.7022  | 13879.02654 | 15199.21178 |             |
| 13679.24915   |             |             |             |             |
| 1.88_386.2564 | 0           | 0           | 9679.37787  | 3266.961234 |
| 48.76065387   | 18.34844689 | 378.6597542 | 0           | 0           |
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|               | 90.41458419 | 7928.206811 | 838.0399174 | 0           |
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|               | 326.1805882 | 883.8527247 | 2922.115725 | 0           |
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|               | 0           | 0           | 6231.622501 | 212.8555679 |
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| 3509.165659   | 0           |             |             |             |
| 1.88_142.0863 | 935.5112369 | 3899.649661 | 9631.568594 |             |
| 15492.95705   | 3205.28501  | 2102.038437 | 16323.29909 |             |
| 555.5775794   | 341.3046989 | 3703.851709 | 7250.741435 |             |
| 480.7566054   | 1292.01914  | 3250.15218  | 108387.8977 |             |
| 11763.07712   | 88557.18613 | 3236.145582 | 5657.463885 |             |
| 3060.116434   | 6481.981411 | 14694.24243 | 49016.03181 |             |
| 3557.644068   | 3619.926792 | 42163.05081 | 36680.89117 |             |
| 2554.535379   |             |             |             |             |
| 1.89_636.4597 | 38075.16871 | 24707.07321 | 1165.850743 |             |
| 65302.51839   | 11945.53972 | 7372.122428 | 296127.5859 |             |
| 113439.8871   | 198139.8472 | 0           | 273.9058846 | 2751.266905 |
|               | 41816.65805 | 9520.711717 | 0           | 139.834574  |
| 2216.362871   | 8240.594923 | 14628.12669 | 0           | 0           |
|               | 12711.93847 | 378.6639099 | 7722.680346 | 3545.463947 |
|               | 0           |             |             |             |
| 1.89_756.5535 | 51178.28518 | 515986.4168 | 4819.091914 |             |
| 22533.47459   | 848.7262573 | 816.0558859 | 201152.6413 |             |
| 332146.4125   | 560070.346  | 0           | 5986.893742 | 25335.53781 |
|               | 76352.47929 | 38271.56584 | 0           | 0           |
|               | 1198.336377 | 4103.801601 | 0           | 2668.598363 |
| 3331.761554   | 1404.126133 | 15641.92645 | 39339.22761 |             |
| 5968.170696   | 0           | 214.339548  |             |             |
| 1.86_492.2024 | 52488.40651 | 47215.58296 | 24677.41729 |             |
| 17930.51087   | 29971.50268 | 82281.75727 | 34096.38681 |             |
| 39309.23961   | 44612.67377 | 48280.81246 | 45431.89664 |             |

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|---------------|-------------|-------------|-------------|-------------|-------------|
| 36201.96314   | 61537.20064 | 61581.01631 | 8936.827828 |             |             |
| 30217.98409   | 18106.40568 | 15493.81281 | 52881.03305 |             |             |
| 43010.0929    | 37681.75501 | 19407.05899 | 29583.35697 |             |             |
| 34636.32126   | 19490.69094 | 33547.92419 | 13228.64801 |             |             |
| 25376.86845   |             |             |             |             |             |
| 1.84_101.0791 | 426384.7678 | 578475.9631 | 568117.5116 |             |             |
| 984597.3238   | 1187039.128 | 572053.8348 | 509354.9976 |             |             |
| 824191.1246   | 853161.6993 | 401034.5943 | 302265.8781 |             |             |
| 781035.7069   | 395182.2158 | 263397.2232 | 974476.6907 |             |             |
| 498534.2534   | 703259.0881 | 1383170.498 | 791035.2566 |             |             |
| 165151.0204   | 883095.8794 | 2478123.338 | 692567.0395 |             |             |
| 359757.9103   | 1101574.784 | 495152.7772 | 1303044.533 |             |             |
| 719308.5109   |             |             |             |             |             |
| 1.84_100.3297 | 5532.719912 | 7467.181311 | 7073.938522 |             |             |
| 12748.99821   | 15341.83871 | 6966.29222  | 6563.648316 |             |             |
| 9158.08618    | 10455.74939 | 4156.225498 | 3978.348995 |             |             |
| 10526.54089   | 5175.670994 | 3000.217465 | 12723.36563 |             |             |
| 6627.295644   | 8643.862752 | 17380.33037 | 10006.45468 |             |             |
| 865.7877394   | 11849.37198 | 34880.26609 | 9515.545612 |             |             |
| 4722.198462   | 14774.33834 | 6393.903731 | 17844.1544  |             |             |
| 8814.794647   |             |             |             |             |             |
| 1.84_100.0572 | 6719.300895 | 9683.14772  | 8421.018205 |             |             |
| 15019.3932    | 19325.48988 | 9473.620931 | 8596.555063 |             |             |
| 12533.96908   | 13433.22164 | 5495.650158 | 4840.61152  |             |             |
| 12665.79422   | 6257.383665 | 3412.914785 | 15202.43726 |             |             |
| 8536.026392   | 11832.30497 | 22770.63028 | 11409.76731 |             |             |
| 1907.647938   | 13852.3805  | 44126.75416 | 12238.20558 |             |             |
| 5813.765495   | 17253.958   | 7847.514621 | 20464.4707  |             |             |
| 9862.735839   |             |             |             |             |             |
| 1.80_371.7529 | 0           | 0           | 2735.253651 | 379.2516888 | 0           |
| 0             | 0           | 0           | 0           | 0           | 0           |
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| 0             | 0           | 0           | 0           | 0           | 0           |
| 1.80_393.2642 | 0           | 0           | 12445.16595 | 0           | 0           |
| 0             | 0           | 1247.826275 | 0           | 0           | 0           |
| 0             | 0           | 0           | 115.6227412 | 0           | 0           |
| 2281901.093   | 0           | 0           | 0           | 0           | 61.95194883 |
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| 1.80_393.7661 | 0           | 0           | 2500.116884 | 0           | 0           |
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| 0             | 0           | 0           | 0           | 784859.2504 | 0           |
| 0             | 0           | 0           | 0           | 0           | 0           |
| 1.80_680.4425 | 0           | 0           | 16370.74569 | 0           | 0           |
| 158.7352133   | 31.40321847 | 576.4755349 | 20.31241895 |             |             |
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| 0             | 0           | 4716825.056 | 0           | 2003.361473 | 0           |
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| 1.80_724.4685 | 36.12996675 | 23.64731809 | 5129.814296 |             | 0           |
| 0             | 88.18764593 | 38.96332332 | 31.50037954 |             |             |
| 44.01075186   | 0           | 0           | 0           | 0           | 0           |



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| 0             | 0           | 71.63249086 | 2270916.905 | 0           | 0           |
| 0             | 61.4800695  | 0           | 0           | 0           | 0           |
| 1.81_130.1591 | 14405.87799 | 17561.14416 | 23653.77083 |             |             |
| 8508.063147   | 17597.32948 | 16508.95412 | 14253.09015 |             |             |
| 9921.088833   | 7706.239253 | 12405.11313 | 15184.2958  |             |             |
| 9631.384804   | 13431.23025 | 9058.051439 | 24924.75356 |             |             |
| 16111.68685   | 21518.23325 | 28232.41423 | 15687.27134 |             |             |
| 11805.82097   | 22378.58185 | 133767.0076 | 9417.145642 |             |             |
| 15798.40396   | 4451.420811 | 15468.71125 | 129974.2914 |             |             |
| 8702.480187   |             |             |             |             |             |
| 1.81_292.139  | 788.8848104 | 424.6745504 | 252558.7647 |             |             |
| 83731.08352   | 367.3869417 | 689.8786378 | 10973.47453 |             |             |
| 138.7626009   | 155.1713866 | 111.0045975 | 20642.00525 |             |             |
| 117.2529774   | 689.1942785 | 1561.027416 | 256780.0696 |             |             |
| 70741.00354   | 170338.645  | 275.0192914 | 985.0478351 | 0           |             |
|               | 1227.280691 | 7583.253502 | 77315.20368 | 375.7505603 |             |
|               | 3927.864208 | 103729.4964 | 109198.3541 | 680.2561165 |             |
| 1.81_437.7922 | 0           | 0           | 0           | 0           | 0           |
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| 0             | 0           | 0           | 633456.2608 | 0           | 0           |
| 0             | 0           | 0           | 0           | 0           |             |
| 1.81_111.0552 | 617.6032585 | 1396.651199 | 885.7520387 |             |             |
| 177.5563534   | 0           | 195.8642757 | 73.31942602 | 211.1263376 |             |
|               | 54.5744122  | 1806.488441 | 976.2915352 | 199.0639621 |             |
|               | 426.3643049 | 2273.420824 | 254.3474915 | 342.3939513 |             |
|               | 725.0880403 | 573.0763321 | 2144.677153 | 754.0761184 |             |
|               | 6494.161278 | 5156.87454  | 335.5967781 | 940.9436612 |             |
|               | 0           | 1367.543243 | 688.4857567 | 611.7639409 |             |
| 1.81_415.2774 | 0           | 0           | 10802.7311  | 0           | 0           |
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| 0             | 0           | 0           | 0           | 1152036.69  | 0           |
|               | 2878.601069 | 0           | 0           | 0           | 0           |
| 1.81_415.7791 | 0           | 0           | 3351.773822 | 0           | 0           |
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| 1.81_144.102  | 19721.92625 | 36840.14321 | 8787.482622 |             |             |
| 20152.83207   | 9098.958541 | 14811.92029 | 3996.012518 |             |             |
| 1347.132393   | 2259.128276 | 14183.03517 | 12711.74813 |             |             |
| 4830.541396   | 16647.55465 | 52230.35757 | 11007.59376 |             |             |
| 9647.589175   | 42789.44697 | 22588.7059  | 32870.43156 |             |             |
| 7706.675159   | 15258.52228 | 54888.90977 | 5498.234923 |             |             |
| 3109.462053   | 8049.877527 | 13915.28891 | 7605.747605 |             |             |
| 24590.5356    |             |             |             |             |             |
| 1.81_259.1652 | 7202.43487  | 2810.315066 | 10226.41101 |             |             |
| 22859.65221   | 22788.72013 | 10108.46803 | 11314.68292 |             |             |
| 4814.892744   | 4300.114536 | 2057.906669 | 2687.475329 |             |             |
| 4898.690838   | 9294.413293 | 5440.819031 | 15971.84875 |             |             |
| 11817.37187   | 18130.60269 | 8929.424907 | 10707.56031 |             |             |
| 1588.457185   | 4956.773789 | 16664.43392 | 24805.28348 |             |             |

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|---------------|-------------|-------------|-------------|-----------------|
| 2227.381471   | 10136.24881 | 11205.67672 | 20391.08279 |                 |
| 12008.62134   |             |             |             |                 |
| 1.81_346.2586 | 0           | 0           | 261.3776128 | 0 0 0           |
| 0             | 0           | 0           | 2021.681893 | 0 4229.77391    |
| 0             | 20857.69047 | 0           | 1377.24293  | 0 0             |
| 0             | 0           | 411.1462366 | 670626.4179 | 139.2708685     |
| 0             | 0           | 491.7844342 | 3215.161675 | 172.3140145     |
| 1.82_124.0757 | 695.6874299 | 6579.483862 | 59963.99437 |                 |
| 22249.89389   | 553.9805763 | 727.0836158 | 24482.2024  |                 |
| 222.5159366   | 209.3496028 | 513.011388  | 32108.5316  |                 |
| 342.8178625   | 647.0200035 | 682.4588804 | 111043.7214 |                 |
| 36194.96759   | 139281.4737 | 1337.722448 | 1266.17925  |                 |
| 108.435639    | 656.1416123 | 8830.445463 | 75867.19875 |                 |
| 572.2058057   | 3463.526423 | 129865.9098 | 198653.7459 |                 |
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| 1.82_326.2324 | 583.5210059 | 0           | 372.1634387 | 171.2109282     |
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| 11226.08108   | 254.1783721 | 25160.7581  | 539.9656277 |                 |
| 44894.6796    | 541.1594286 | 358.2829492 | 1293.026749 |                 |
| 82.98217679   | 2369.600406 | 3213.598716 | 6842.515096 |                 |
| 1556945.542   | 1112.832014 | 0           | 3191.042534 |                 |
| 1991.400849   | 20159.45398 | 2004.326551 |             |                 |
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| 1.82_446.2958 | 0           | 0           | 9420.94203  | 0 248.2622226   |
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| 1696.10426    | 2203579.147 | 0           | 3500.330882 | 0               |
| 1178.910274   | 0           | 0           | 1596.768183 | 0               |
| 1.83_177.1023 | 6467.456535 | 2678375.606 | 768.2673116 |                 |
| 4134.429037   | 1388.845531 | 7139.304569 | 16731.42046 |                 |
| 229.7088408   | 1438.778881 | 8191.718493 | 13463.3376  |                 |
| 2134.083843   | 3932.099659 | 5228.477241 | 627.6722011 |                 |
| 4259.229058   | 10883.779   | 4996.322287 | 3287.887821 |                 |
| 4100.287667   | 3872.209844 | 2086.728588 | 3394.350544 |                 |
| 5097.596495   | 2138.773294 | 6597.610615 | 1176.178551 |                 |
| 3043.793917   |             |             |             |                 |
| 1.83_178.1056 | 141.5486751 | 211394.4088 | 1787.009307 |                 |
| 881.7987824   | 0           | 88.75500113 | 759.8019952 | 13.96232865     |
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| 30.13620414   | 677.9100196 | 102.7142641 | 25.2741757  |                 |
| 757.7322052   | 551.2573082 | 12.79056051 |             |                 |
| 1.83_178.1227 | 110.323372  | 46.05131247 | 29920.59905 |                 |
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| 341.7065432   | 25413.89951 | 7193.934202 | 38423.72987 | 0           |
| 132.153122    | 0           | 0           | 328.664225  | 12039.80369 |
| 178.0422423   | 250.7936417 | 16189.38367 | 13689.26705 | 0           |
| 1.83_279.1339 | 36185.44598 | 807.8403202 | 16426.50554 | 0           |
| 58511.66888   | 20385.67873 | 102533.4212 | 10746.88239 | 0           |
| 324.2265327   | 68771.64913 | 1349.166271 | 454.6663889 |             |
| 27367.98744   | 46970.44451 | 180899.7593 | 2562.301515 |             |
| 39258.4794    | 12841.8466  | 148851.6231 | 38784.19969 |             |
| 7811.475932   | 0           | 56445.53952 | 44327.53336 |             |
| 11812.78935   | 72429.15311 | 16117.92034 | 28202.3131  |             |
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| 7605.997417   | 810.6504483 | 6866.783655 | 700.5820779 |             |
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| 61.63425437   | 516.5350194 | 3733.053484 | 721.0436563 |             |
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| 474401.2861   | 0           | 0           | 72523.54126 | 0           |
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| 1.84_99.8228  | 5663.200116 | 7588.640127 | 7230.567868 |             |
| 12621.31721   | 16191.47927 | 7358.567502 | 6783.035586 |             |
| 9985.117534   | 11090.0872  | 4476.953566 | 3950.976966 |             |
| 10545.94555   | 5164.298186 | 3296.86219  | 12747.13758 |             |
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| 1192.286781   | 11499.68819 | 33980.40028 | 9356.558148 |             |
| 4909.368504   | 14647.65765 | 6491.411396 | 17026.83257 |             |
| 9030.356324   |             |             |             |             |
| 1.89_285.0638 | 14688.28499 | 11941.73982 | 4135.342573 |             |
| 5409.626233   | 14440.38271 | 17280.09088 | 8811.985813 |             |
| 12908.96932   | 8952.259202 | 16410.54211 | 12608.83956 |             |
| 12956.72245   | 15468.71406 | 23454.65694 | 3133.578477 |             |
| 8553.578035   | 4081.846083 | 9515.298257 | 12196.92704 |             |
| 8090.704543   | 10858.03881 | 3953.286672 | 7229.241184 |             |
| 13441.03427   | 10475.38067 | 7726.27838  | 2646.899991 |             |
| 14132.15572   |             |             |             |             |
| 1.80_371.2512 | 0           | 0           | 14258.87417 | 0           |
| 0             | 0           | 404.853929  | 0           | 0           |

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| 0             | 0           | 0           | 0           | 0           | 0           | 1723809.946 |
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| 1.90_187.1442 | 6862.045956 | 18039.87215 | 27320.07284 |             |             |             |
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| 85708.42769   | 36894.8133  | 6564.651844 | 20814.27253 |             |             |             |
| 8758.583226   | 5164.037317 | 11841.49773 | 19479.48533 |             |             |             |
| 10135.56666   | 20621.70441 | 22520.61539 | 23374.66787 |             |             |             |
| 80079.94753   | 10553.69158 | 9569.103342 | 9955.29068  |             |             |             |
| 14007.48427   | 42649.47546 | 15056.38876 | 12142.42353 |             |             |             |
| 14124.80487   |             |             |             |             |             |             |
| 1.90_430.2828 | 0           | 50.23126125 | 7041.942234 | 692.5421365 |             |             |
| 0             | 99.30396692 | 31.96645057 | 0           | 0           | 0           |             |
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| 966.0509316   | 0           | 0           | 1345823.701 | 0           | 490.5243139 |             |
| 95.71470223   | 0           | 0           | 58.95992054 | 309.7080092 |             |             |
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| 1.99_258.1448 | 0           | 1963.808679 | 21326.75274 | 646.6276412 |             |             |
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| 98.46704588   | 625.5891258 | 34322.78904 | 27.94599223 | 0           |             |             |
| 92.29571761   | 24074.28937 | 73375.91935 | 37777.80315 |             |             |             |
| 1171.022977   | 0           | 50.65998862 | 584.9733257 |             |             |             |
| 373.4580663   | 18394.56975 | 484.893315  | 682.271386  |             |             |             |
| 152193.1892   | 5419.439022 | 3015.200375 |             |             |             |             |
| 1.99_338.1748 | 49.70467027 | 0.789132707 | 3916.550889 |             |             |             |
| 6885.706561   | 129.6106612 | 766.2960023 | 834.0035334 | 0           |             |             |
| 0             | 0           | 872028.2128 | 0           | 0           | 2.579682409 |             |
| 10391.63692   | 1598.099599 | 8541.020703 | 317.8224416 |             |             |             |
| 2.677504597   | 32.6481292  | 0           | 0           | 3418.194326 |             |             |
| 24.4981751    | 78552.60687 | 4502.54537  | 1836.361289 |             |             |             |
| 81.14664833   |             |             |             |             |             |             |
| 1.99_608.385  | 37287.62623 | 81936.4504  | 2305976.561 |             |             |             |
| 17998.39703   | 314448.8649 | 47934.11087 | 16474.76648 |             |             |             |
| 1352031.864   | 589274.693  | 236710.558  | 13332.19919 |             |             |             |
| 60049.74098   | 58758.99594 | 47095.85834 | 176132.2913 |             |             |             |
| 49734.1368    | 19108.03438 | 383071.5338 | 372029.7231 |             |             |             |
| 3811575.824   | 100990.7317 | 2242543.66  | 28152.15123 |             |             |             |
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| 1.99_706.5381 | 39922.94274 | 173621.4874 | 5947.248049 |             |             |             |
| 102589.7964   | 5012.348428 | 25210.24269 | 173279.7751 |             |             |             |
| 299827.4716   | 503920.5762 | 956.7149325 | 4674.192472 |             |             |             |
| 536936.1857   | 41481.8344  | 53717.21624 | 7893.346737 |             |             |             |
| 4548.949618   | 5890.866972 | 32966.7115  | 33597.63526 | 0           |             |             |
| 224016.6151   | 4654.2899   | 8286.344085 | 11412.71449 |             |             |             |
| 74030.08551   | 33674.9811  | 3969.339661 | 1475.648419 |             |             |             |
| 2.00_664.4911 | 86029.35559 | 115093.9818 | 24644.51997 |             |             |             |
| 329721.5349   | 120321.3574 | 83724.22256 | 662588.4784 |             |             |             |
| 347551.5312   | 641069.3432 | 1305.055127 | 8627.506942 |             |             |             |
| 87714.38978   | 91557.10533 | 42068.07903 | 22212.12727 |             |             |             |
| 31875.17509   | 26024.15911 | 203877.9368 | 151254.3443 |             |             |             |

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|---------------|-------------|-------------|-------------------------|
| 4229.196526   | 11933.7075  | 11874.9585  | 96967.60779             |
| 1177.303341   | 90230.69532 | 53024.12231 | 40593.45793             |
| 6210.395353   |             |             |                         |
| 2.00_732.5537 | 249502.6089 | 1022042.04  | 32892.90069             |
| 267072.8277   | 22218.48918 | 45668.13779 | 721698.3391             |
| 1157454.833   | 1603853.404 | 2975.460851 | 20623.68163             |
| 443902.0673   | 288160.6735 | 109445.6432 | 20037.77389             |
| 14819.07939   | 26848.35633 | 79787.62893 | 121821.6458             |
| 171.5519384   | 309952.9241 | 39607.09683 | 51896.34999             |
| 58006.03783   | 369148.3133 | 92559.78972 | 19926.07979             |
| 6802.664318   |             |             |                         |
| 2.00_89.0601  | 3992.594922 | 4190.453503 | 5942.674426             |
| 3155.581687   | 4329.597293 | 5735.274801 | 3434.01813              |
| 5125.911941   | 3576.243558 | 4870.255907 | 4336.184293             |
| 3150.787006   | 4322.499159 | 3686.823661 | 4328.509135             |
| 3771.679873   | 4703.111585 | 5965.104871 | 4123.834429             |
| 5372.812556   | 4576.257512 | 10330.14122 | 4198.914794             |
| 3648.994631   | 3529.276524 | 3809.483583 | 6349.282159             |
| 3620.216868   |             |             |                         |
| 2.00_153.0772 | 25.83210776 | 65876.57547 | 0 14.29822863           |
| 62.00747902   | 22.93547192 | 31.36941825 | 0                       |
| 19.95269893   | 31.74051655 | 821.4641385 | 0 16.55787732           |
| 9.181036269   | 0           | 25.42443363 | 0 0 0                   |
| 0             | 0           | 14.20284495 | 9.482135903             |
| 24.75526058   | 76.5891082  | 187.0298707 | 72.84638326             |
| 2.00_227.1754 | 7872.859255 | 14427.74447 | 4821.802839             |
| 5283.859095   | 8370.403829 | 19535.11842 | 5623.303566             |
| 17833.43497   | 4377.305916 | 23056.0079  | 8251.64347              |
| 8110.930565   | 8859.683217 | 15274.34477 | 31012.0633              |
| 7106.234845   | 23362.24486 | 33265.34008 | 15810.3581              |
| 30498.46008   | 12131.56726 | 240181.0961 | 10063.15864             |
| 4855.753632   | 6253.63651  | 11343.72188 | 20050.60323             |
| 9152.72896    |             |             |                         |
| 2.00_428.2491 | 0           | 2473.813978 | 857949.8847 358.2049307 |
| 896.1522922   | 0           | 12.06202316 | 64940.14437             |
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| 551.6137476   | 18641.4369  | 48.7055497  | 2598.832179             |
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| 65.17920191   | 603685.9537 | 0           |                         |
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| 3438.132645   | 102.9235966 | 0           | 150918.8419             |
| 640139.8172   | 135.9669855 | 0           | 1216.080083 95.09088064 |
| 223.0758723   | 648.8699067 | 204.8525643 | 277.1407563             |
| 2119.752737   | 40897.17319 | 361.7428964 | 7284.358482             |
| 40445.92978   | 290.7178088 | 163.6962155 | 1008.686094             |
| 189.3067631   | 1492656.127 | 90.99695562 |                         |
| 2.00_516.3016 | 533.7189247 | 9557.359497 | 2808927.631             |
| 0.160578058   | 7710.1389   | 368.2143277 | 31.41327792             |
| 247176.8768   | 1017758.267 | 497.8088419 | 50.90523573             |

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|---------------|-------------|-------------|-------------|-------------|
| 2998.626068   | 385.1679119 | 624.6531302 | 257.557328  |             |
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| 693.9731358   |             |             |             |             |
| 2.01_169.1264 | 5340.861155 | 6228.108132 | 7395.629137 |             |
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| 6898.281754   | 4887.487812 | 6171.551909 | 5286.137203 |             |
| 4471.579524   | 5786.044973 | 4057.577528 | 5562.275933 |             |
| 4561.565747   | 6128.271714 | 9231.227798 | 4863.708519 |             |
| 6263.048333   | 6176.31376  | 8302.542104 | 5779.691263 |             |
| 4867.341296   | 5287.206978 | 5333.239169 | 8281.295    |             |
| 5103.537535   |             |             |             |             |
| 2.02_172.0969 | 1383.857966 | 1546.855258 | 78753.96131 |             |
| 12904.64969   | 3410.448442 | 3323.629709 | 2875.244574 |             |
| 3125.71591    | 5405.753428 | 1493.563077 | 1777.53293  |             |
| 1247.430936   | 1299.873546 | 1129.447988 | 22144.87334 |             |
| 4165.372766   | 59045.90476 | 2243.726084 | 14612.06546 |             |
| 805.0972207   | 3589.398591 | 1004.608042 | 7517.160564 |             |
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| 602.9601657   | 991.5676977 | 369.9745279 | 1606.72414  |             |
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| 28869.09142   | 137459.4456 | 686.8781762 | 1122.020089 |             |
| 1504.491434   | 239.316982  | 3837173.632 | 498.6049627 |             |
| 2.02_652.4109 | 20369.56807 | 37971.24734 | 1701440.701 |             |
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| 637492.8007   | 407239.6918 | 131699.7875 | 7802.670324 |             |
| 31851.48084   | 28398.80548 | 27814.04223 | 128310.7625 |             |
| 32454.76597   | 13212.79697 | 325195.1725 | 162023.0767 |             |
| 3219736.843   | 84346.77703 | 1678813.403 | 17437.73259 |             |
| 739492.0216   | 31384.90623 | 23354.99843 | 2414858.921 |             |
| 35097.61279   |             |             |             |             |
| 2.02_696.4365 | 4118.304899 | 6703.563257 | 707607.8182 |             |
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| 177288.2438   | 149996.7475 | 58403.32514 | 576.2304119 |             |
| 5875.06439    | 4527.51809  | 7012.54044  | 50513.37741 |             |
| 11640.57761   | 2367.794437 | 139256.4747 | 42549.23702 |             |
| 1805113.027   | 38061.66474 | 695918.1403 | 4379.092033 |             |
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| 7269.439921   |             |             |             |   |
| 2.02_503.2978 | 2427.539594 | 14860.77845 | 9149.269334 |   |
| 2217.144253   | 1016.316378 | 1651.971482 | 4633.868486 |   |
| 9590.552704   | 5357.668526 | 75.68773537 | 1723.894239 |   |
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| 1579.217332   | 1052.609468 | 3457.021209 | 3477.172977 |   |
| 2060998.177   | 2155.354869 | 3661.317948 | 1686.311384 |   |
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| 1452.73501    | 11814.16157 | 125602.7533 | 633.6312644 |   |
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| 44809.22868   | 21298.92056 | 79804.07492 | 3315.852774 |   |
| 7116.321998   | 6746.198552 | 13158.26683 | 8771.1442   |   |
| 19540.67953   | 11404.62376 | 33724.87748 | 61967.45447 |   |
| 38620.84484   | 31005.47902 | 868840.9026 | 4560.560546 |   |
| 7383.08961    | 5124.284831 | 9703.130752 | 10984.78092 |   |
| 3570.894884   |             |             |             |   |
| 2.03_185.1285 | 631253.4785 | 284780.8074 | 542507.2988 |   |
| 540443.8816   | 823971.8219 | 386449.9516 | 138868.1141 |   |
| 233068.9293   | 122872.7953 | 258560.8949 | 306399.3356 |   |
| 235980.9729   | 565311.8262 | 330562.6938 | 775283.0598 |   |
| 640849.048    | 500124.6931 | 1212503.014 | 586651.7716 |   |
| 340977.3113   | 585935.5213 | 1290734.094 | 385422.7181 |   |
| 354093.727    | 245118.671  | 853530.1203 | 535476.2406 |   |
| 389025.7124   |             |             |             |   |
| 2.03_288.2532 | 41354.08889 | 49018.84284 | 29394.89541 |   |
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| 45231.64329   | 43990.06482 | 42292.02096 | 34131.65798 |   |
| 35438.78262   | 45154.15527 | 42129.1839  | 32777.0006  |   |
| 31322.65725   | 32872.32466 | 41343.36262 | 42326.59656 |   |
| 37436.98526   | 36421.13379 | 33673.19921 | 34099.47721 |   |
| 45632.038     | 38287.68012 | 34488.29952 | 30446.45684 |   |
| 37136.85246   |             |             |             |   |
| 2.03_357.7372 | 822.077165  | 1546.154953 | 101893.4182 |   |
| 527.5234561   | 15674.42549 | 775.1517892 | 258.4294092 |   |
| 25076.71829   | 20280.57433 | 8580.790839 | 316.0056903 |   |
| 1773.076931   | 1163.545505 | 1125.264517 | 7482.561662 |   |
| 2048.12491    | 722.9198992 | 21462.88108 | 5988.148454 |   |
| 130872.278    | 7292.417298 | 78047.4738  | 849.0757781 |   |
| 46292.01484   | 1638.163596 | 1177.635925 | 144619.9937 |   |
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| 2.04_240.2321 | 37694.20955 | 521.4696728 | 50423.79248 |   |
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| 3736.61068    | 0           | 17115.22958 | 223.210963  | 1188.620897 |
| 35743.52482   |             | 594.9894742 | 18216.72012 | 3652.369275 |
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| 5846.375428   |             | 770.3133838 | 3669.18349  | 2165.373519 |
| 1111.627597   |             | 265.0431157 | 297.7465609 | 661.9507386 |
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| 45551.23417   | 16396.28156 | 37079.23308 | 57677.60528 |             |
| 16253.2079    | 62214.79259 | 11352.74091 | 16331.35838 |             |
| 41971.55785   | 14087.48265 | 4637.719575 | 29449.19574 |             |
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| 5573.844725   | 6711.282553 | 7493.483326 | 35294.06772 |             |
| 5588.407932   | 6482.758496 | 25408.01101 | 22264.1992  |             |
| 11201.41418   | 2704.513347 | 5412.719977 | 7474.807613 |             |
| 7072.872871   | 15549.49048 | 10764.10945 | 4836.643381 |             |
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| 1468.860269   | 619.9420336 | 1532.947466 | 2893.900843 |             |
| 880.5753347   | 1300.755569 | 1451.853045 | 10428.16813 |             |
| 4147.308042   | 10473.64815 | 2042.202915 | 2727.385035 |             |
| 2084.390111   | 1408.017762 | 4160.990584 | 6856.236432 |             |
| 1319.215422   | 2413.622873 | 5837.965168 | 5705.867712 |             |
| 1267.478425   |             |             |             |             |
| 1.99_234.1336 | 11236.86174 | 18031.43726 | 599136.6984 |             |
| 239365.712    | 27887.24088 | 25943.77418 | 49893.17461 |             |
| 20292.72826   | 13024.05663 | 10174.6153  | 46384.81467 |             |
| 15027.01919   | 11800.85743 | 14747.32517 | 877858.7638 |             |
| 174574.589    | 317325.9299 | 21210.5506  | 24382.14302 |             |
| 9373.733257   | 14361.59964 | 70575.08373 | 160451.9388 |             |
| 14180.32356   | 43370.46606 | 245734.0161 | 287963.2146 |             |
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| 1.99_292.139  | 2730.430433 | 2818.638296 | 293501.1652 |             |
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| 364.123913    | 944.9837006 | 2610.249088 | 27987.80283 |             |
| 1256.639968   | 3582.658776 | 5459.649554 | 399212.8542 |             |
| 85449.00382   | 202100.0516 | 1949.583876 | 1748.167905 |             |
| 22.45836609   | 2362.277331 | 14684.73889 | 88891.31603 |             |
| 4769.505028   | 15036.52221 | 131893.8801 | 143117.6138 |             |
| 4411.870228   |             |             |             |             |
| 1.91_217.1054 | 10834.08222 | 9898.652538 | 48781.90538 |             |
| 32447.75833   | 18226.65227 | 21041.91631 | 19387.84122 |             |
| 8201.175132   | 7199.319798 | 11321.00309 | 20815.90671 |             |
| 7690.024567   | 13038.40485 | 17235.28458 | 66059.87361 |             |
| 22295.19516   | 35114.01207 | 20450.89991 | 8737.278398 |             |
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| 10938.34283   | 11565.04317 | 25204.73554 | 35979.90474 |             |
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| 1.91_516.426  | 29344.53579 | 289361.7245 | 0           | 19467.2373  |
| 305.6267845   | 13359.99066 | 6832.338921 |             | 1074546.586 |
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| 5026.091389   | 3915.22025  | 0           | 1722.088812 |             |
| 11080.94274   | 20010.05842 | 3416.006716 | 0           | 4293.850204 |
| 15006.14881   | 22950.3997  | 34555.42033 |             | 8351.929649 |
| 571777.838    | 0           | 3212.034082 |             |             |
| 1.92_181.072  | 93001.43844 | 209869.8947 | 0           | 50517.59484 |
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| 1535.054742   | 210570.8781 | 185330.4842 |             | 25769.29269 |
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| 62407.64185   | 99968.95183 | 83523.68261 |             | 55837.11997 |
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| 22232.10595   | 233295.0508 | 2891.843179 | 9485.616149 |             |
| 1156.143068   | 834.3563454 | 37033.43106 | 80108.62644 |             |
| 918.8073767   | 31738.58322 | 32622.39786 | 28313.9718  |             |
| 1647.330273   |             |             |             |             |
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| 0             | 991.5414203 | 14359.51199 | 27.79812023 |             |
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| 58911.0647    | 117.279161  | 525.3184867 | 0           | 0           |
| 1695.933936   | 37860.78892 | 0           | 6004.210547 | 48952.84687 |
| 39125.85551   | 202.6615885 |             |             |             |
| 1.93_650.4754 | 24203.21377 | 33320.68084 | 1776.178545 |             |
| 113618.2772   | 28919.23435 | 17053.72531 | 260059.4394 |             |
| 125014.1394   | 220271.4948 | 0           | 0           | 20478.57488 |
| 28245.63554   | 6983.940306 | 0           | 399.5101431 | 240.2336277 |
| 42274.77157   | 37121.22354 | 0           | 0           | 0           |
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| 158.9872696   |             |             |             |             |
| 1.93_139.123  | 10573.73072 | 2949.567366 | 15852.62986 |             |
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| 5028.628363   | 10525.72052 | 5343.04035  | 2416.402179 |             |
| 5149.410735   | 8442.337044 | 2899.851634 | 10789.17477 |             |
| 8324.183891   | 5345.185947 | 4978.329107 | 8483.48357  |             |
| 8017.795726   | 2735.129903 | 766.1819013 | 2747.007226 |             |
| 5557.780644   | 4743.295487 | 5243.635781 | 960.7901133 |             |
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| 7152656.019   | 995251.5412 | 350339.9924 | 74568.04419 |             |
| 308017.6952   | 321653.4246 | 198232.1965 | 348235.0067 |             |

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|---------------|-------------|---------------|---------------|
| 791306.1551   | 69443.6014  | 290514.1964   | 1977781.38    |
| 5115967.438   | 147207.8393 | 8173290.365   | 143482.4016   |
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| 894.930167    | 1417.415558 | 10331.19105 |             | 2796.591486   |
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| 1.64_643.9076 | 791.5071059 | 659.9366194 |             | 22820.26642   |
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| 90.08182316   | 0           | 17129.508   | 1751.983364 |               |
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| 17133.13123   | 3207544.436 | 1966.85041  | 6845.008656 |             |
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| 5314.942524   | 2161.707526 | 0           | 0           | 43320.419   |
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| 11066.50682   | 6915.315181 | 1646.423261 |             | 6118.575665 |
| 10863.36397   | 11479.32314 | 5894.2262   |             | 1709.267955 |
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| 1.73_327.1413 | 2855.246847 | 1698.087523 |             | 71429.56712 |
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| 19369.45224   |             |             |             |             |
| 1.75_447.3463 | 7541.14734  | 12505.94952 |             | 5157.477858 |
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| 14647.15538   | 324311.3889 | 12409.39711 |             | 14741.59021 |
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| 2777.585788   | 74718.74269 | 11294.74634 | 5517.700061 |             |             |
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| 1.76_422.2853 | 0           | 0           | 5871.154355 | 0           | 0           |
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| 3778.577443   | 2803.708957 | 1978.832794 | 46587.79689 |             |             |
| 3757.213129   | 4808.258947 | 6258.618439 | 140634.6884 |             |             |
| 97690.29493   | 131412.2135 | 4631.340832 | 8319.522291 |             |             |
| 1954.326112   | 15895.29498 | 20006.50049 | 116113.2977 |             |             |
| 4547.107341   | 30837.09682 | 130932.218  | 115149.8714 |             |             |
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| 1.77_425.3623 | 457.2145533 | 391.0756614 | 0           | 0           | 0           |
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| 1.77_126.0913 | 1962.718791 | 4121.914288 | 2205.796468 |             |             |
| 2404.939117   | 1029.517034 | 1419.050455 | 331.5044311 |             |             |
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| 340.1351789   | 274.2684312 | 1987.171994 | 875.7731632 |             |             |
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| 0             | 0           | 0           | 0           | 0           | 10.13771476 | 0 |
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| 1.78_466.3116 | 0           | 0           | 2796.104501 | 0           | 0           | 0 |
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| 0             | 1803.837287 | 0           | 0           | 0           | 0           | 0 |
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| 1.79_346.292  | 13998.70006 | 11468.64853 | 10294.35603 |             |             |   |
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| 13736.65895   | 11080.65833 | 16425.0749  | 15714.51713 |             |             |   |
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| 14241.91108   | 0           | 9181.020908 | 12061.63493 | 13753.99278 |             |   |
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| 11301221.78   | 18870314.24 | 14869679.34 | 10701939.55 |             |             |   |
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| 9089008.836   |             |             |             |             |             |   |
| 1.80_349.3047 | 187182.4873 | 177182.6883 | 151518.237  |             |             |   |
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| 182449.9171   | 182450.2423 | 190909.2395 | 171992.0301 |             |             |   |
| 156735.754    | 207364.7878 | 217871.2985 | 142179.321  |             |             |   |
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| 189883.3174   | 316203.877  | 231166.062  | 181356.2231 |             |             |   |
| 199091.0919   | 141469.8792 | 179457.1133 | 137261.0888 |             |             |   |



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| 145272.1351   |             |             |             |             |             |   |   |
| 1.80_97.0399  | 1582.641011 | 766.1055738 | 774.6995475 |             |             |   |   |
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| 413.7763761   | 57.27272944 | 1054.786402 | 2426.004719 |             |             |   |   |
| 777.8459649   | 28066.30333 | 1014.669485 | 415.0722822 |             |             |   |   |
| 927.7352229   | 649.6844307 | 832.7061265 | 935.279251  |             |             |   |   |
| 436.1008385   |             |             |             |             |             |   |   |
| 1.80_160.0968 | 28997.25907 | 11701.73087 | 33762.12213 |             |             |   |   |
| 59806.28108   | 55795.35704 | 28747.39781 | 36170.30138 |             |             |   |   |
| 16526.19685   | 14379.72987 | 9667.352601 | 17172.48164 |             |             |   |   |
| 16235.3131    | 32027.21218 | 31626.46384 | 73241.37188 |             |             |   |   |
| 45056.67578   | 91422.43499 | 28731.07873 | 28114.04697 |             |             |   |   |
| 16980.02806   | 28060.83001 | 39074.9739  | 80979.33189 |             |             |   |   |
| 12847.99283   | 29212.8238  | 56043.83557 | 58122.52114 |             |             |   |   |
| 34467.15848   |             |             |             |             |             |   |   |
| 1.80_182.0788 | 8137.518059 | 1582.689812 | 1952.317877 |             |             |   |   |
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| 3635.648086   | 1409.028744 | 3032.24706  | 4053.550446 |             |             |   |   |
| 2971.262884   | 9746.671263 | 8551.815459 | 2108.122296 |             |             |   |   |
| 7690.364075   | 5716.944099 | 2925.649246 | 7274.118495 |             |             |   |   |
| 5800.92932    | 1421.801426 | 5174.606518 | 11989.9139  |             |             |   |   |
| 4087.203652   | 6213.105984 | 6119.677077 | 5930.425449 |             |             |   |   |
| 9793.913605   |             |             |             |             |             |   |   |
| 1.80_256.015  | 0           | 0           | 0           | 0           | 0           | 0 | 0 |
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| 1.80_258.0122 | 0           | 0           | 0           | 0           | 0           | 0 | 0 |
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| 0             | 0           | 0           | 0           | 0           | 0           | 0 | 0 |
| 1.71_560.3277 | 0           | 1028.091825 | 946549.6435 | 0           |             |   |   |
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| 0             | 229.470342  | 0           | 115.4088473 | 0           | 0           |   |   |
| 11.43018829   | 113.1547921 | 16449.6219  | 19.42189446 |             |             |   |   |
| 1975.399529   | 16904.73339 | 0           | 0           | 125.3189582 |             |   |   |
| 0             | 735973.2346 | 0           |             |             |             |   |   |
| 1.46_736.5051 | 0           | 0           | 0           | 0           | 0           | 0 | 0 |
| 200.9877135   | 0           | 0           | 0           | 0           | 0           | 0 | 0 |
| 0             | 0           | 0           | 0           | 0           | 1294600.988 | 0 | 0 |
| 0             | 0           | 0           | 0           | 0           | 0           | 0 | 0 |
| 1.71_433.2837 | 5287.480797 | 12581.36199 | 109402.6171 |             |             |   |   |
| 244.3661453   | 3915.559038 | 6591.859696 | 2184.661255 |             |             |   |   |
| 233890.1036   | 32374.6797  | 2999.619272 | 1218.212323 |             |             |   |   |
| 6769.052018   | 8399.209642 | 4128.268763 | 3996.342895 |             |             |   |   |
| 11155.72249   | 4.060045106 | 5551.132439 | 50409.74432 |             |             |   |   |
| 174720.8699   | 501.8800081 | 196178.3729 | 1836.509407 |             |             |   |   |
| 14515.38567   | 7897.080061 | 1990.189983 | 47399.8078  |             |             |   |   |

|               |             |             |             |             |
|---------------|-------------|-------------|-------------|-------------|
| 6620.474067   |             |             |             |             |
| 1.69_299.1101 | 722.6919326 | 407.7193178 | 33023.97976 |             |
| 25078.17712   | 1070.157798 | 1269.933682 | 8148.543639 |             |
| 422.7550926   | 393.5966435 | 0           | 12300.51133 | 642.4807357 |
|               | 804.4955883 | 1427.411088 | 30846.96426 | 24549.68612 |
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| 2672.812841   | 6055.283185 | 27268.8192  | 1020.800308 |             |
| 6962.012479   | 31528.7638  | 28296.19219 | 900.6535519 |             |
| 1.65_709.4452 | 1066.239984 | 1746.100634 | 21702.27574 |             |
| 5176.45259    | 1925.092853 | 0           | 0           | 38916.55625 |
| 15548.53634   | 3153895.148 | 1664.774882 | 6742.150412 |             |
| 856.4621629   | 2264.337636 | 22039.66788 | 7706.650313 |             |
| 1357.125418   | 2827.499305 | 7058.514254 | 751106.6381 | 0           |
|               | 300731.4965 | 13955.08958 | 3703.297339 | 1569.426594 |
|               | 221.7314631 | 32024.82562 | 2783.573408 |             |
| 1.65_709.9468 | 663.1746517 | 299.8591699 | 7452.356975 |             |
| 1868.305486   | 133.818451  | 0           | 0           | 21902.86489 |
| 9762.183628   | 1946650.319 | 807.6438752 | 5032.402089 |             |
| 396.9679072   | 753.4333496 | 12223.66606 | 3107.673334 |             |
| 554.3646792   | 1181.866175 | 5736.811097 | 52387.24558 | 0           |
|               | 155130.8204 | 7782.528839 | 1094.670858 | 1107.490169 |
|               | 0           | 17940.42511 | 1112.607934 |             |
| 1.65_731.4583 | 1025.316936 | 2075.590141 | 11334.36772 |             |
| 3228.665788   | 433.0307407 | 42.63760935 | 98.85623548 |             |
| 33553.14583   | 11992.65619 | 3186483.111 | 1402.104836 |             |
| 6239.179431   | 642.570683  | 1543.463124 | 22537.93866 |             |
| 6323.630109   | 1910.359273 | 1776.614943 | 8894.87584  |             |
| 40851.05694   | 142.6022977 | 260837.9068 | 11376.63621 |             |
| 2163.238773   | 765.3806311 | 0           | 28063.95701 | 3098.944613 |
| 1.65_731.9599 | 101.9782445 | 192.9553359 | 6813.946998 |             |
| 1595.084852   | 694.0044589 | 0           | 0           | 21297.04816 |
| 8180.559215   | 1917111.308 | 651.4531293 | 3103.847359 |             |
| 107.267287    | 329.2967896 | 10895.16032 | 2688.478041 |             |
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|               | 136735.2629 | 8856.386134 | 965.0326399 | 676.3813292 |
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| 1.65_753.4713 | 330.6707662 | 254.8980233 | 7748.881941 |             |
| 1331.539541   | 1205.390503 | 0           | 0           | 34014.7287  |
| 11658.70847   | 2905135.326 | 1241.379515 | 3799.10363  |             |
| 1105.381022   | 1252.218045 | 21475.81219 | 5276.138081 |             |
| 1804.041223   | 2628.36475  | 5449.606098 | 662369.6681 |             |
| 214.0056221   | 239594.991  | 12664.63415 | 1856.845897 |             |
| 454.1785945   | 204.3573929 | 29737.78104 | 1661.059505 |             |
| 1.65_775.4844 | 517.8387198 | 386.4270489 | 3927.775005 |             |
| 2718.53201    | 830.5175461 | 0           | 0           | 24830.72851 |
| 8081.537239   | 2697485.157 | 649.4809108 | 4811.361184 |             |
| 456.9097107   | 443.4949047 | 16645.983   | 3488.917835 | 0           |
|               | 1353.691673 | 6904.794993 | 7221.375469 | 0           |
| 225410.8517   | 11526.88003 | 690.1633785 | 377.6463262 | 0           |
|               | 21136.10982 | 1535.798927 |             |             |

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| 1.65_775.9862 | 210.9302248 | 238.1306118 | 830.2725123 |             |
| 1286.733573   | 312.3578155 | 0           | 0           | 15073.47587 |
| 6479.802714   | 1654322.979 | 484.3744781 | 2536.52841  |             |
| 421.7848043   | 0           | 11179.22335 | 1358.756472 | 1448.849173 |
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| 125432.1915   | 6782.323199 | 541.7636086 | 322.1335699 | 0           |
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| 1.65_797.9991 | 0           | 0           | 3117.375212 | 737.0009332 |
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| 3121.322116   | 261.7994116 | 0           | 0           | 8253.108604 |
| 445.0405785   |             |             |             |             |
| 1.65_819.5105 | 150.2069911 | 158.5834    | 0           | 1070.074954 |
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| 5094.737193   | 562.1470279 | 140.7219477 | 0           | 11665.79679 |
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| 1.65_300.2778 | 1353.780921 | 465943.7839 | 46608.93444 |             |
| 174231.1753   | 5335.673308 | 1040693.958 | 20294.33421 |             |
| 119161.4047   | 82339.5715  | 452321.6791 | 89498.1015  |             |
| 243258.1912   | 359.9159552 | 298138.1836 | 295684.566  |             |
| 127732.4627   | 315333.579  | 125948.5594 | 245097.723  |             |
| 112878.7646   | 0           | 672248.4719 | 124584.9493 | 47238.85032 |
|               | 353744.764  | 57185.66756 | 19582.39151 | 272308.1505 |
| 1.65_300.7795 | 153.73023   | 162986.9416 | 14760.43742 |             |
| 58686.58521   | 1722.278837 | 366888.9408 | 6488.568784 |             |
| 40941.35765   | 27067.38047 | 154724.6482 | 30798.91841 |             |
| 85011.6418    | 0           | 95062.99936 | 98619.44101 | 43873.61078 |
|               | 106728.1826 | 42768.80896 | 84604.59262 | 35002.66325 |
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|               | 126037.8471 | 20037.19528 | 5134.592026 | 94152.66112 |
| 1.65_443.2724 | 184.8297594 | 2319.497329 | 501414.1723 |             |
| 40.25562954   | 1738.578588 | 0           | 0           | 53698.26478 |
| 185585.8653   | 9720.925443 | 43.55657143 | 1459.534307 |             |
| 290.6526516   | 462.9880956 | 395.4761236 | 970.4036567 |             |
| 649.7423566   | 3959.66323  | 15324.55142 | 0           | 4146.282755 |
|               | 39180.11167 | 538.4283157 | 490.2237832 | 284.9136476 |
|               | 90.38996436 | 561944.9808 | 198.8765165 |             |
| 1.65_465.2858 | 273.8791756 | 4633.729726 | 364550.7674 |             |
| 225.9213377   | 870.0582349 | 0           | 1003.982506 | 36540.73008 |
|               | 132857.0663 | 456.5686356 | 0           | 722.9393663 |
| 469.7118104   | 196.4215174 | 199.1808755 | 535.4877246 |             |
| 247.6936957   | 2331.243874 | 10135.86359 | 0           | 3145.690451 |
|               | 30007.03193 | 141.5288965 | 173.7895682 | 552.6446005 |
|               | 0           | 414652.0106 | 0           |             |
| 1.66_377.2331 | 119.971366  | 2938.795353 | 518590.5837 |             |

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|---------------|-------------|-------------|-------------|-------------|
| 6069.086129   | 1480.582167 | 87.95505171 | 1674.855342 |             |
| 53215.22614   | 189236.1305 | 0           | 2352.135531 | 1181.00465  |
| 124.3756895   | 347.728351  | 10159.87835 | 3522.975095 |             |
| 7069.53527    | 2218.629826 | 14816.93345 | 0           |             |
| 2045.13642    | 26799.08162 | 4749.591698 | 253.8988798 |             |
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| 1.66_399.2464 | 32.45986908 | 3342.900215 | 688529.1345 |             |
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| 253559.7457   | 0           | 51.52960153 | 1580.069438 |             |
| 236.9699804   | 687.1444057 | 313.8292429 | 829.4678957 |             |
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| 5637.629887   | 38855.12039 | 101.0008173 | 869.4088847 |             |
| 391.0203128   | 83.45733578 | 715105.7635 | 267.7583242 |             |
| 1.66_399.748  | 63.23164466 | 563.1846847 | 233452.4029 | 0           |
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| 0             | 36.1439224  | 173.6022427 | 51.15401965 |             |
| 31.33622759   | 0           | 140.1149009 | 0           | 857.4002528 |
| 5914.264097   | 555.0982922 | 673.6232667 | 12130.02068 | 0           |
| 91.81017671   | 0           | 0           | 237847.9766 | 0           |
| 1.66_736.4325 | 0           | 1394.565486 | 787019.1881 | 0           |
| 1231.907742   | 0           | 0           | 67011.7431  | 269391.3537 |
| 0             | 1092.745596 | 0           | 302.8473417 | 0           |
| 0             | 1263.5822   | 15327.59269 | 0           | 2099.828875 |
| 31469.70791   | 0           | 85.39891923 | 0           | 0           |
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| 1.67_355.22   | 0           | 359.6888583 | 192161.0534 | 2078.150696 |
| 347.1492568   | 38.21116454 | 11.34605528 | 16825.16272 |             |
| 66432.72444   | 0           | 29.62932872 | 162.5583545 |             |
| 6.448304987   | 52.1132208  | 2389.641347 | 0.001324217 |             |
| 1427.389417   | 169.3350892 | 4547.611277 | 0           | 67.01735519 |
| 6602.714628   | 114.3228256 | 0           | 42.90769201 |             |
| 463.6711113   | 179772.7313 | 20.77097181 |             |             |
| 1.67_377.7347 | 0           | 390.863402  | 167958.554  | 0           |
| 546.2506303   | 0           | 0           | 15770.8113  | 59847.55303 |
| 0             | 119.7371343 | 27.54448512 | 51.64093085 | 0           |
| 0             | 0           | 284.7444132 | 4613.659889 | 98.01984907 |
| 492.6978612   | 9294.161516 | 0           | 0           | 0           |
| 170791.6624   | 0           |             |             |             |
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| 14199.08318   | 95026.30367 | 45389.86141 | 20883.78317 |             |
| 1127736.542   | 257828.2322 | 51987.54578 | 11875.16111 |             |
| 51021.20914   | 48794.85465 | 38717.76121 | 68577.90123 |             |
| 37893.79245   | 5518.049398 | 98195.91867 | 252939.5438 |             |
| 1293763.345   | 7743.882448 | 1070951.573 | 19996.1442  |             |
| 221849.899    | 54920.75315 | 23827.6227  | 808624.8973 |             |
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| 1.67_692.4062 | 119.7217549 | 4539.911717 | 1285506.127 | 0           |
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| 0             | 0           | 1634.586408 | 139.9432963 | 446.3403737 |
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| 0             | 5693.674314 | 47353.07848 | 0           | 148.547166  |
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| 1.67_315.1413 | 2748.63628  | 1406.946896 | 114889.7076 |             |
| 122111.513    | 3701.272005 | 5884.773253 | 35455.66035 |             |
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| 1606.919769   | 2386.336299 | 5041.438114 | 102748.4987 |             |
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| 330.4239782   | 5358.260253 | 22188.0924  | 89801.078   |             |
| 2841.894739   | 22795.75171 | 101950.5344 | 99062.34347 |             |
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| 1.68_648.38   | 65.73612547 | 4878.071982 | 1443431.469 | 0           |
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| 1.68_476.3065 | 36130.79691 | 84470.65383 | 839007.7901 |             |
| 11676.28057   | 59903.56343 | 54109.19493 | 19257.60854 |             |
| 1324375.572   | 242524.5531 | 73251.47411 | 12157.33795 |             |
| 53279.04342   | 57321.5368  | 33315.38873 | 65449.39445 |             |
| 58940.47039   | 16176.03429 | 70737.89251 | 300536.6498 |             |
| 1236709.781   | 17629.66163 | 1181033.002 | 22426.98761 |             |
| 146320.1458   | 64704.48703 | 26856.99635 | 548036.9246 |             |
| 51783.90765   |             |             |             |             |
| 1.68_604.3539 | 42.70278292 | 3539.468112 | 1251212.52  | 0           |
| 3128.034603   | 0           | 0           | 106773.7076 | 432107.9473 |
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| 432.4470121   | 4394.908481 | 36809.51092 | 0           |             |
| 98.56571599   | 61.96346889 | 0           | 1110268.005 | 264.2047197 |
| 1.69_366.2249 | 2884.460486 | 114.0469859 | 12988.78106 |             |
| 8566.784835   | 36.40516348 | 319.2557175 | 789.6889674 |             |
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| 1406.842881   | 25101.80329 | 10212.81975 | 2774.47614  |             |
| 826.1248522   | 19089.8493  | 1822093.906 | 6928.219132 |             |
| 190.7676656   | 10041.05177 | 6852.785238 | 37230.73747 |             |
| 9429.348156   |             |             |             |             |
| 1.69_229.1072 | 261.9852945 | 166.2727964 | 101582.998  |             |
| 50325.225     | 442.645762  | 295.5123925 | 6294.418151 |             |
| 140.5066236   | 58.89053446 | 0           | 8170.568272 | 198.9864743 |
| 309.1591026   | 441.9060009 | 102907.431  | 28520.16395 |             |
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| 3739.39407    | 47055.67583 | 54410.30477 | 240.7872652 |             |
| 1.70_271.1151 | 1329.35202  | 675.3118495 | 24960.88266 |             |
| 21921.50481   | 1370.41288  | 2344.738795 | 10450.98288 |             |
| 1349.165993   | 621.0684407 | 335.4513549 | 10660.46063 |             |
| 1143.010523   | 1234.946254 | 2110.114091 | 22093.88505 |             |
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|               | 2246.695953 | 7093.527994 | 21228.87131 | 1214.512136 |
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| 4746.42973    | 92237.44717 | 4641.195759 | 1903.130895 |             |
| 139352.4497   | 114700.6652 | 47961.36248 | 3088.657461 |             |
| 9091.383509   | 7804.294017 | 10280.38222 | 46069.20987 |             |
| 12142.09187   | 6145.662969 | 117612.5772 | 38346.33677 |             |
| 689219.9041   | 30864.4771  | 433741.4943 | 6205.665979 |             |
| 245125.1102   | 8675.625986 | 7285.182425 | 719027.0526 |             |
| 9904.906493   |             |             |             |             |
| 1.46_692.479  | 0           | 1.527976246 | 0           | 0           |
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| 1150.862137   | 0           | 0           | 0.826156496 | 0.801078593 |
|               | 1464711.816 | 0           | 0           | 0           |
|               | 466.0055155 | 0           |             |             |
| 1.46_502.3583 | 34.66012017 | 163.9665016 | 2148.989801 |             |
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| 828.273815    | 375.3817057 | 1368.529705 | 46.7793798  |             |
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| 2948891.546   | 4724.40023  | 375.3628219 | 38.28427494 |             |
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| 500.4391698   |             |             |             |             |
| 1.30_237.1849 | 7724.848755 | 8422.543345 | 130106.787  |             |
| 90932.47054   | 9709.224147 | 8809.182505 | 19846.24788 |             |
| 6103.076053   | 6703.87537  | 8486.483764 | 21637.47391 |             |
| 5944.439441   | 6286.046269 | 8117.03593  | 139325.5588 |             |
| 54829.36479   | 131905.474  | 10873.61296 | 12546.24684 |             |
| 2551.10172    | 8972.683468 | 37323.22961 | 62326.22018 |             |
| 7871.70487    | 20537.7105  | 82109.46646 | 86598.23575 |             |
| 5702.103838   |             |             |             |             |
| 1.30_274.2012 | 13459.15596 | 13102.83834 | 440202.1254 |             |
| 254210.8633   | 11678.60277 | 14202.49278 | 47269.14073 |             |
| 10638.25303   | 9912.111712 | 14929.36542 | 60054.60427 |             |
| 10413.25635   | 14321.87192 | 13179.29917 | 503322.2458 |             |
| 171282.3341   | 329862.0723 | 22389.56752 | 25694.99431 |             |
| 10041.16029   | 20179.81783 | 86600.21552 | 177976.7877 |             |
| 13876.87719   | 51514.7189  | 269708.6249 | 283467.0356 |             |
| 10729.92838   |             |             |             |             |
| 1.30_280.2634 | 0           | 0           | 0           | 144.8018905 |
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| 8133.869032   | 152.4412291 | 125.1207765 | 134269.3727 |             |
| 6624.161129   | 22658.30906 | 19427.27347 | 81887.29873 | 0           |
|               | 53662.22384 | 193.8400464 | 167866.8134 | 36094.17434 |
|               | 23541.02653 | 36373.59634 | 0           | 55501.99041 |
| 1.30_350.3263 | 29361.6238  | 13969.73083 | 18894.26746 |             |
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| 81201.94503   | 21133.17842 | 79102.17708 | 29526.21242 |             |
| 46191.08416   | 15423.88113 | 17437.92145 | 18151.50864 |             |
| 5017.194929   | 3964.807562 | 38608.99191 | 11648.67532 |             |

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| 1.30_135.1168 | 2197.163293 | 3062.841571 | 15490.00209 |
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| 5520.246484   | 7376.3695     | 20019.03625   | 13711.04851   |
| 7707.8406     |               |               |               |
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| 8912.748161   | 25147.72035   | 73555.45246   | 93433.47144   |
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| 17520.6123    |               |               |               |
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| 1.30_358.2222 | 19729.82506   | 16474.95223   | 1299186.38    |
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| 5221.367393   | 54737.52533 | 288709.9218 | 343110.6111 |             |
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| 6087.997803   | 8674.230912 | 13795.42289 | 135090.527  |             |
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| 174050.6597   | 452760.8512             | 11786.00127   | 23416.41522   |
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| 1.32_118.065  | 3148.160693             | 4247.284173   | 27928.98296   |
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| 2769.113427   | 3490.71301              | 3280.624671   | 26931.40074   |
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| 1.32_251.2005 | 1103.848932             | 1081.816603   | 60961.65683   |
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| 1326.835572   |                         |               |               |
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| 23656.50803   | 21740.02435 | 32515.94208 | 206221.2284 |
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| 1.32_99.0806  | 3113.119893 | 2855.130497 | 30291.10548 |
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| 1.32_284.0562 | 0           | 0           | 0           | 0           | 0           |
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| 181890.248    | 497013.3836 | 53746.76779 | 52635.53744 |   |
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| 1.32_372.2016 | 11088.966   | 4878.319185 | 673305.7706 |   |
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| 7037.442951   | 8238.526294 | 10402.07339 | 94693.17215 |   |
| 5923.790829   | 9217.701107 | 10303.45031 | 684993.0603 |   |
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| 2782.134217   | 14794.8291  | 157899.7263 | 249205.6115 |   |
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| 612.1223986   | 285.8267994 | 3181.108355 | 26083.82774 |             |
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| 162195.6449   | 184785.3713 | 369928.3022 | 409496.6194 |             |
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| 37962.5987    | 34375.63995   | 90216.5456    | 17344.32127   |
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| 0             | 0 0           | 0 0           | 0 7666.732222 |
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| 96974.40491   | 141240.4577 | 100350.8632 | 105894.3343 |
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| 6414.838965   | 6025.972476 | 5750.025948 | 42358.89257 |   |
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| 1.28_404.3004 | 5515.228396 | 5805.23733  | 120088.7614 |   |
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| 2572.618288   | 17834.14913 | 92675.27119 | 99251.51837 |
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| 63621.609            | 80582.94192 | 69124.42987 | 697014.1642 |             |
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| 36861.2937           | 138561.4537 | 243719.4931 | 326773.4404 |             |
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| 122349.2075   | 305318.5414 | 14852.77396 | 49307.32357 |               |
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| 683997.3784   | 1212655.306 | 51679.8903  | 88893.15857 |             |
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| 3360.733403   | 4010.049734 | 4093.063803 | 95382.2299  |             |
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| 107802.9869   | 5464.879174 | 4044.276829 | 18949.78152 |



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| 6007.596214   | 917.2833821 | 3983.418019 | 28478.57674 |             |   |
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| 1.37_373.2219 | 6304.502744 | 752.9383443 | 336396.9194 |             |   |
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| 56081.28513   | 42693.407   | 21518.73833 | 29788.00647 |             |   |
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| 31357.17747   | 35643.23494 | 28508.11702 | 23923.82988 |             |   |
| 30167.30965   | 111267.3892 | 36892.43914 | 44518.15557 |             |   |
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| 29975.26679   | 35264.71672 | 37845.42763 | 36198.07894 |             |   |
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| 1.37_392.1914 | 24304.77151 | 21810.79726 | 179239.7993 |             |   |
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| 27216.9376    | 28118.14593 | 20476.99672 | 47366.48592 |             |   |
| 21097.19405   | 25226.53245 | 20773.85013 | 165910.1488 |             |   |
| 78775.63915   | 181377.227  | 25125.45869 | 27257.63638 |             |   |
| 4071.898036   | 45140.34462 | 77472.09567 | 85528.13079 |             |   |
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| 1.37_448.2904 | 15855.82468 | 7912.120607 | 340387.0524 |             |   |
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| 64907.66833   | 196485.5724 | 7602.600956 | 15106.37847 | 0           |
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| 1.35_334.2222 | 30919.36949 | 36376.55112 | 719196.5102 |             |
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| 227214.285    | 563630.8224 | 22445.34382 | 52300.19396 |             |
| 5385.670416   | 32893.49428 | 151593.173  | 268609.6103 |             |
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| 1.35_424.2176 | 70436.09287 | 86992.40945 | 138506.3497 |             |
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| 143110.7355   | 487166.9263  | 34335.29444 | 62784.45739   |
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| 1.35_273.2059 | 1749.525546  | 1882.731943 | 93283.79858   |
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| 9940.497713   | 10274.60823 | 7170.029648 | 36284.07861 |             |
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| 75442.03892   | 85392.70079 | 80203.69634 | 266169.2964 |             |
| 161642.6654   | 392202.9062 | 87259.19846 | 104051.278  |             |
| 49674.00855   | 156281.948  | 196264.4552 | 196483.3369 |             |
| 79474.86092   | 105131.5724 | 205477.7386 | 230826.9543 |             |
| 72432.54661   |             |             |             |             |
| 1.35_468.244  | 48537.92    | 63599.41362 | 51347.4124  |             |
| 57393.0547    | 55191.34096 | 31341.19031 | 49787.13957 |             |
| 70938.65284   | 67536.63227 | 52496.98576 | 54970.82987 |             |
| 53480.93826   | 57227.20391 | 53713.75482 | 41837.40675 |             |
| 40224.90818   | 61339.45699 | 51671.70315 | 66555.08585 |             |
| 29237.11218   | 111754.4277 | 98353.80124 | 55217.23413 |             |
| 56490.35238   | 55550.99484 | 45658.8158  | 58339.23033 |             |
| 48692.15206   |             |             |             |             |
| 1.36_191.1067 | 55.82275541 | 246.6413218 | 6414.610944 |             |
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| 154.0011547   | 111.596501  | 252.1231374 | 4154.509788 |             |
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| 1.36_262.1286 | 3374.699107 | 4082.264702 | 132677.0262 |             |
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| 3935.459      | 5192.098439 | 5018.287533 | 134469.1109 |             |
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| 1.36_520.3116 | 17919.37931 | 15359.30286 | 215575.1532 |             |
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| 15915.06548   | 17090.47781 | 13914.32175 | 49841.89217 |             |
| 15896.84413   | 22556.11247 | 22376.98908 | 203166.0807 |             |
| 90353.24073   | 286392.4719 | 19274.90182 | 38682.76455 |             |
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| 25372.59908   | 55379.52929 | 135260.0457 | 149413.2338 |             |
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| 1.36_704.5154 | 1079.345214 | 0           | 7988.816495 | 0           |
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| 656.9546629   | 0           | 3201.656612 | 0           | 0           |
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|               | 9183.092968 | 0           | 217.4342724 | 0           |
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| 20425.84981   | 21962.20211 | 29278.25166 | 1097.350672 |             |
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| 20860.03153   | 22909.16237 | 11914.15497 | 6561.735669 |             |
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| 13454.78177   | 203895.8202 | 166276.8179 | 60763.75663 |             |
| 2.04_379.7504 | 1665.646436 | 1758.810438 | 170223.473  |             |
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| 4.95_217.1548 | 18793.20356 | 16147.17343 | 66375.76617 |             |
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| 97536.1346    | 36069.28148 | 4029.746563 | 18319.40056 |             |
| 55326.6931    | 12179.76703 | 25342.05831 | 17444.77669 |             |
| 3820.579518   | 17197.54952 | 49559.31409 | 12561.42424 |             |
| 12310.65312   | 16243.63885 | 14884.33186 | 4610.973683 |             |
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| 4.97_244.0792 | 281861.4832 | 3491.493263 | 112774.5742 |             |
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| 10497.47562   | 1972.179973 | 6954.427704 | 8651.874143 |             |
| 602440.1647   | 152163.5608 | 9794.691303 | 233876.2138 |             |
| 313154.3925   | 5935.245066 | 4887.387403 | 3633.085868 |             |
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| 4.97_246.0948 | 0           | 0           | 79537.63751 | 0           |
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| 53.10189427   | 64.47410889 | 4148.088918 | 79.65818505 |             |
| 74577.01094   | 26207.93861 | 2081.159242 | 45343.36626 |             |
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| 5.00_76.0758  | 7040.765383 | 15173.93539 | 9841.826481 |             |
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| 8331.023822   | 7637.174558 | 6996.208059 | 11772.20815 |             |
| 7765.894396   | 6793.924797 | 4046.136066 | 7400.380235 |             |
| 7093.554816   | 7480.375369 | 11728.96769 | 10674.74232 |             |
| 11792.39639   | 6267.138902 | 21551.44685 | 5233.788784 |             |
| 5462.588902   | 7421.122631 | 12251.0923  | 14003.27676 |             |
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| 5.01_120.1019 | 5045.275362 | 4998.171134 | 2575.999429 |             |
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| 3246.624899   | 3936.778176 | 5494.670562 | 4326.402861 |             |
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| 2478.030959   | 2325.935529 | 47737.9771  | 2172.642178 |             |
| 6461.591656   | 4325.071575 | 8196.324839 | 4840.913274 |             |
| 4078.441916   | 3714.554567 | 3104.93567  | 1459.101915 |             |
| 4918.091597   |             |             |             |             |
| 5.03_794.5481 | 32628.11947 | 25314.5247  | 56072.01974 |             |
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| 49198.94033   | 16806.1558  | 50591.45232 | 42619.68602 |             |
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| 2525.575487   | 0           | 39848.61453 | 54695.48993 |             |
| 824.1142173   | 43698.00297 | 31353.31812 | 38806.7547  |             |
| 13293.65796   | 4638.361417 | 54167.02084 |             |             |
| 5.04_353.1917 | 16023.99131 | 0           | 20868.22193 | 7544.714438 |

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| 639.059853    | 0           | 337.0981422 | 0           | 0           | 0 |
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| 26417.42877   | 42755.63962 | 3.331444718 | 0           | 0           |   |
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| 59.76247526   | 50.36637944 | 0           | 4333.941377 | 126.5206722 |   |
| 4.95_146.1369 | 8803.918482 | 15692.42496 | 48858.24778 |             |   |
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| 10958.95955   | 24761.97269 | 30001.66227 | 22280.05883 |             |   |
| 22856.86184   | 22607.35068 | 1669.896644 | 15947.4657  |             |   |
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| 5.04_257.0743 | 35936.72234 | 9034.898646 | 9828.021567 |             |   |
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| 9060.258703   | 5677.031392 | 14967.55512 | 11820.41092 |             |   |
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| 5.05_285.1208 | 3793.794959 | 4588.306889 | 7031.670511 |             |   |
| 29775.35733   | 50388.37877 | 8917.39464  | 43048.64878 |             |   |
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| 5299.533298   | 1847.689829 | 6554.408152 | 18711.57148 |             |   |
| 4178.360905   | 6831.996623 | 13727.79481 | 34153.31771 |             |   |
| 8439.254927   | 2762.443137 | 12258.49953 | 15028.86192 |             |   |
| 5762.70917    | 31633.50119 | 6607.362838 | 16711.06276 |             |   |
| 16235.84413   |             |             |             |             |   |
| 5.06_86.0969  | 18493.08176 | 14412.17746 | 52262.97393 |             |   |
| 61634.06154   | 128008.2587 | 18501.25302 | 44949.53926 |             |   |
| 42686.27464   | 34349.17747 | 8926.433658 | 32173.94233 |             |   |
| 36129.83253   | 17021.82073 | 23504.74017 | 30964.23296 |             |   |
| 29358.07814   | 16843.68455 | 36949.95003 | 18481.59421 |             |   |
| 23396.53842   | 28269.52189 | 30702.27987 | 29931.49344 |             |   |
| 19629.67474   | 29173.10023 | 15822.27279 | 32663.90919 |             |   |
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| 5.06_87.1002  | 884.5999308 | 623.5661573 | 2806.538617 |             |   |
| 3214.886405   | 7391.03953  | 766.7468589 | 2325.790852 |             |   |
| 2030.984893   | 1676.444401 | 387.0382618 | 1642.914124 |             |   |
| 1736.99703    | 805.3518324 | 1157.625562 | 1385.292073 |             |   |
| 1385.338915   | 557.7465269 | 1542.307004 | 585.2410084 |             |   |
| 1165.297636   | 1313.832129 | 0           | 1491.197841 | 932.46943   |   |
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| 5.06_133.1053 | 17713.20812 | 12830.76557 | 50764.53256 |             |   |
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| 37613.35653   | 30757.81148 | 8055.232043 | 30423.03608 |             |   |
| 34697.79025   | 15516.02546 | 21951.26731 | 27218.32976 |             |   |
| 27922.66365   | 15561.66052 | 34277.93847 | 16284.51148 |             |   |
| 21416.1713    | 26982.73368 | 26213.27421 | 28429.00356 |             |   |

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| 18279.14255   | 26360.69783 | 12360.97604 | 29240.56413 |
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| 5.06_271.2015 | 17964.84975 | 52146.62094 | 40581.93712 |
| 44427.29729   | 33805.31371 | 179925.3747 | 24337.06254 |
| 17512.62153   | 15098.92112 | 87984.14553 | 35012.55781 |
| 40916.0858    | 10424.64396 | 64785.15355 | 104285.1817 |
| 26740.15233   | 103521.4731 | 109428.3713 | 89200.70247 |
| 30722.01592   | 12412.64395 | 12936.76247 | 22866.37711 |
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| 5.06_164.1282 | 65473.64174 | 89607.50441 | 115378.9625 |
| 3625.284252   | 5230.809468 | 27839.65409 | 23543.15642 |
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| 6.15_220.1858 | 6713.405887 | 13181.45738 | 10466.70986 |             |
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| 17639.61691   | 11295.62205     | 26086.55843 | 19402.89575             |
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| 6.26_878.3425 | 50805.6838  | 67632.74598 | 68175.11761 |             |             |   |
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| 156201.8262   | 182448.7057 | 171760.4924 | 162008.6925 |
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| 6.08_127.1398 | 9389.338265 | 10276.34228 | 8969.026276 |
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| 9136.182971   | 10758.33392 | 10008.49825 | 9109.896814 |
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| 11718.73858   | 13506.20819 | 12883.81893 | 11858.74335 |
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| 16957.46649   | 36732.71765 | 33781.84555 | 28927.84333 |             |
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| 22918.96588   | 12515.77981 | 26630.55354 | 12632.05748 |             |
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| 31094.86525   | 27488.64058 | 103123.4068 | 49722.46869 |             |
| 32969.69312   | 17363.9646  | 37111.78341 | 19725.77896 |             |
| 31752.27508   | 28153.54464 | 21134.36234 | 31918.26835 |             |
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| 5.67_267.1339 | 34925.10296 | 2212.727694 | 8608.388201 |             |
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| 3252.314992   | 6400.614773 | 50677.98134 | 2881.273261 |             |
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| 3002.180977   | 24501.47461 | 6464.416277 | 46981.88538 |             |
| 21483.40043   | 25113.1262  | 2447.885854 | 65456.91176 |             |
| 36345.61177   | 32308.86986 | 39922.8498  | 24485.30798 |             |
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| 33523.8233    | 6439.648253 | 25592.13423 | 54107.95559 |
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| 5.69_281.1859 | 2535.387454 | 15350.71707 | 6431.490668 |
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| 17920.39772   | 24963.879   | 31569.72467 | 21119.30648 |
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| 5.70_581.0041 | 63706.73838 | 28386.25722 | 66632.09917 |
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| 18181.91865   | 15792.62009 | 11676.2682  | 580.7100861 |             |
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| 7324.247587   | 1145.129205 | 7649.07225  | 10536.48782 |             |
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| 15655.05262   | 75136.15622 | 174093.6618 | 222979.6543 |             |
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| 5.76_163.1159 | 58075.74902 | 16506.07957 | 45876.35604 |
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| 36157.67653   | 38581.65418 | 16465.22934 | 9691.400843 |
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| 35312.18779   | 33269.64461 | 27529.53979 | 23781.17155 |
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| 5.76_166.1348 | 74255.55162 | 99399.97028 | 66344.20698 |
| 57490.28313   | 54975.66209 | 25040.81509 | 84259.63039 |
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| 78131.42271   | 89284.0033  | 91153.70819 | 40917.58583 |
| 53819.14122   | 58786.13497 | 26830.9321  | 10611.60812 |
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| 2134.749456   | 2158.713657 | 1637.514987 | 1323.411147 |
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| 281217.2838   | 323389.1942 | 149230.8911 | 65048.49581 |
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| 9196.304006   | 37513.52318 | 33405.33302   | 22177.21481             |
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| 2.49_744.554  | 193188.8699 | 314896.5474 | 58606.13961 |
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| 36298.22946   | 35308.36555 | 105780.9171 | 151750.5411 |
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| 2658.649246   | 64111.4413  | 194429.4611 | 63729.3837  |
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| 2.50_596.378  | 2585.657355 | 3735.869492 | 39197.88316 |
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| 15580.24038   | 3638.502693 | 5664.248066 | 54511.37188 |
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| 26668.25293   | 20513.84895 | 14176.14757 | 37552.74518             |
| 79234.34656   | 2241.668813 | 629394.5482 | 47830.45134             |
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| 2.55_211.1442 | 29088.28945 | 9744.844175 | 49489.38867             |
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| 2.55_123.0916 | 2925.534077 | 3320.615475 | 5551.28196  |
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| 4039.473009   | 2997.901199 | 12985.94611 | 18456.35868 |
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| 1988.275076   |             |             |             |             |
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| 6865.689649   | 5946.925646 | 2035.889079 | 10488.03518 |             |
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| 8930.804719   | 8275.986461 | 15429.03787 | 4076.765625 |             |
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| 2.46_260.1857 | 33552.03695 | 8285.729896 | 17834.97421 |             |
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| 3676.100922   | 30132.54509 | 8885.719644 | 25240.93707 |             |
| 34587.59951   | 28554.99651 | 18438.75195 | 54510.31507 |             |
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| 2.37_493.9847 | 2468.29596  | 3371.04282  | 23629.2139              |
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| 13667.01191   | 9942.971457 | 20734.33327 | 33252.51755             |
| 993.017831    | 350543.1288 | 29563.01711 | 6560.164768             |
| 3633.006849   | 1052.412605 | 48281.25413 | 6780.157727             |
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| 4029.305718   | 1587.997957 | 20.79034394 | 226.3919609             |

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| 9145.037056   | 1032.010731 | 1686.980581 | 30712.58312         |
| 10930.10125   | 4334.383834 | 3719.122812 | 13266.64987         |
| 65681.82959   | 335.6145677 | 345432.2926 | 18791.93942         |
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| 2.33_151.0615 | 8423.459119 | 13931.55376 | 11583.5 13618.30526 |
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| 7764.050892   | 27329.339   | 7341.092061 | 6563.425884         |
| 6691.662766   | 12957.33718 | 12866.32614 | 6897.208086         |
| 2.29_464.2995 | 2498.811226 | 4041.86149  | 40741.2573          |
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| 3910.096106   | 963.4947158 | 824.1732522 | 11159.01139 |             |
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| 2.22_772.5854 | 105498.3527 | 525169.6203 | 0           | 55823.54332 |
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| 2905.673137   | 3312.435103 | 2588.778794 | 7119.15618  |
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| 32854.74781   | 110815.3435 | 40211.99961 | 73699.59329 |
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| 2.24_173.0786 | 4783.811428 | 35950.82681 | 522.6182198 |
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| 582.485928    | 492.0666796 | 10691.54336 | 11782.50502 |
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| 2.24_466.3293 | 26475.53799 | 40976.83855 | 3402.507306 |
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| 3827.995233   | 21798.37989 | 24805.35778   | 6623.990613   |
| 6431.537852   | 55873.41289 | 22816.62034   | 19639.54      |
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| 2.24_599.8814 | 913.6218685 | 1461.829095   | 82156.49856   |
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| 6401.990241   | 1503.895745 | 2472.127119   | 15243.79245   |
| 7819.369183   | 2552.3024   | 6879.966535   | 14528.14287   |
| 128624.5986   | 1765.430078 | 418818.2194   | 11532.58099   |
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| 2069.295631   | 2855.010654 | 21321.86531   | 9547.206353   |
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| 1417.020677   | 548.8357999 | 20616.03271   | 3642.861552   |
| 2.26_360.238  | 7884.780275 | 1130.5022     | 24569.23814   |
| 14969.28969   | 751.7634209 | 1112.128025   | 5810.634217   |
| 1646.13847    | 4483.374752 | 24210.76592   | 4895.815081   |
| 56901.59534   | 6990.642595 | 51378.75055   | 32536.19809   |
| 11925.26226   | 33479.3656  | 7013.132046   | 7595.229162   |
| 18742.71291   | 33832.92028 | 1565614.543   | 14086.0307    |
| 1331.536953   | 29170.01657 | 23028.0666    | 56312.07747   |
| 6603.921116   |             |               |               |
| 2.26_538.5195 | 268927.0823 | 575198.5227   | 57190.86481   |
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| 23621.48755   | 76677.79607 | 101106.3815   | 173200.6678   |
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| 14737.74105   | 238475.3029 | 48403.0853    | 73392.0718    |
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| 2.27_218.1024 | 290.9399634 | 965.8476198   | 122758.956    |
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| 184.074307    | 660.6896074 | 86432.56847   | 25120.77861   |
| 70422.77286   | 1514.500102 | 5009.198617   | 364.8868747   |
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| 2.29_315.2642 | 85997.96255 | 1969.633661   | 85721.02725   |
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| 47861.55528   | 1237.045719 | 29930.60662 | 2776.163815 |             |   |
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| 0.056586547   | 0           | 74.87868991 | 0           | 723.3701934 | 0 |
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| 0             | 0           | 306.2496846 | 5568.504364 | 80.4862217  |   |
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| 2.29_283.238  | 32076.67262 | 85760.97623 | 65085.70542 |             |   |
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| 65349.31121   | 20982.66047 | 135107.4485 | 40342.89141 |             |   |
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| 3448.742412   | 1432.762792 | 34.50370635 | 36.27239173 |             |   |
| 20893.04807   | 8880.392319 | 1425355.3   | 1786.795095 |             |   |
| 4084.139742   | 813.9617718 | 1779.207378 | 14985.95947 |             |   |
| 6619.811238   | 3358.149421 | 3381.595891 | 7972.90543  |             |   |
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| 25931.56456   | 8423.717396 | 83840.17289 | 9542.134082 |
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| 149104.8894   | 151683.5097 | 171321.2261 | 137369.0313 |
| 139206.8252   | 134577.6228 | 118337.892  | 122853.1021 |
| 124868.3614   | 124926.8426 | 126859.5074 | 147880.5323 |
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| 4.09_216.1665 | 12338.82938 | 14065.35759 | 17806.25173 |
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| 16414.30171   | 15820.79697 | 13423.55307 | 14148.94181 |
| 14648.14359   | 14431.54097 | 15156.29696 | 17058.29051 |
| 14221.31165   | 17534.19166 | 17659.72507 | 18931.39655 |
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| 12978.09168   | 13762.53647 | 14951.97398 | 16431.04385 |
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| 11249.26131   | 11281.69588 | 11806.9669  | 12077.0665  |
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| 4.13_185.9631 | 3402.833053 | 5815.617502 | 6754.598945 |
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| 56694.38576   | 26388.82176 | 40988.59564 | 45699.71539 |   |
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| 8336.546431   | 4349.76169  | 6555.573815 | 2550.261137 |   |
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| 4.17_257.1859 | 498.4031358 | 858.2461083 | 301234.5978 |   |
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| 651.0662223   | 15904.78001 | 67910.16649 | 337404.8708         |
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| 8563.206353   | 9118.131899 | 43063.20277 | 309616.664          |
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| 3.48_279.1312 | 17911.69085 | 28802.42498 | 52908.46792         |
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| 18304.59507   | 13509.71414 | 13769.79909 | 35402.36844         |
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| 3.47_371.1672 | 37377.73418 | 23226.94674 | 56083.4634          |
| 13347.4594    | 71910.49406 | 35188.31032 | 5781.998814         |
| 43409.7002    | 6034.738458 | 25103.76282 | 70450.23868         |
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| 88924.60134   | 90567.89273 | 15658.38213 | 137862.2087         |
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| 2755.639615   | 8153.225443 | 8554.117546 | 17448.2133          |
| 6045.630802   | 57312.5548  | 231519.8599 | 4431.999896         |
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| 2457.20358    | 51245.40666 | 24447.9467  | 37792.06695 |             |
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| 1162.88239    | 7609.275561 | 1810.246608 | 234.3201438 |             |
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| 18183.87393   | 45656.20571 | 76074.6945  | 55231.72866 |             |
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| 121922.1319   | 184001.6947 | 178528.8582 | 31813.70882 |             |
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|               | 2856.525236 | 20590.67698 | 21833.32522 | 224.3158785 |
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| 3.39_178.1438 | 2904.16566  | 6151.199311 | 7230.044507 |             |
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