## vorticities
| Unnamed: 0 | Unnamed: 1 | Time (ms) and Vorticity (1/s) | Unnamed: 3 | Unnamed: 4 | Unnamed: 5 | Unnamed: 6 | Unnamed: 7 | Unnamed: 8 | Unnamed: 9 | Unnamed: 10 | Unnamed: 11 | Unnamed: 12 | Unnamed: 13 | Unnamed: 14 | Unnamed: 15 | Unnamed: 16 | Unnamed: 17 | Unnamed: 18 | Unnamed: 19 | Unnamed: 20 | Unnamed: 21 | Unnamed: 22 | Unnamed: 23 | Unnamed: 24 | Unnamed: 25 | Unnamed: 26 | Unnamed: 27 | Unnamed: 28 | Unnamed: 29 | Unnamed: 30 | Unnamed: 31 | Unnamed: 32 | Unnamed: 33 | Unnamed: 34 | Unnamed: 35 | Unnamed: 36 | Unnamed: 37 | Unnamed: 38 | Unnamed: 39 | Unnamed: 40 | Unnamed: 41 | Unnamed: 42 | Unnamed: 43 | Unnamed: 44 | Unnamed: 45 | Unnamed: 46 | Unnamed: 47 | Unnamed: 48 | Unnamed: 49 | Unnamed: 50 | Unnamed: 51 | Unnamed: 52 | Unnamed: 53 | Unnamed: 54 | Unnamed: 55 | Unnamed: 56 | Unnamed: 57 | Unnamed: 58 | Unnamed: 59 | Unnamed: 60 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| x coord (m) | y coord (m) | 16.666667 | 33.333333 | 50.000000 | 66.666667 | 83.333333 | 100.000000 | 116.666667 | 133.333333 | 150.000000 | 166.666667 | 183.333333 | 200.000000 | 216.666667 | 233.333333 | 250.000000 | 266.666667 | 283.333333 | 300.000000 | 316.666667 | 333.333333 | 350.000000 | 366.666667 | 383.333333 | 400.000000 | 416.666667 | 433.333333 | 450.000000 | 466.666667 | 483.333333 | 500.000000 | 516.666667 | 533.333333 | 550.000000 | 566.666667 | 583.333333 | 600.000000 | 616.666667 | 633.333333 | 650.000000 | 666.666667 | 683.333333 | 700.000000 | 716.666667 | 733.333333 | 750.000000 | 766.666667 | 783.333333 | 800.000000 | 816.666667 | 833.333333 | 850.000000 | 866.666667 | 883.333333 | 900.000000 | 916.666667 | 933.333333 | 950.000000 | 966.666667 | 983.333333 |
| 0.01015 | 0.011113 | 3.178223 | -13.780232 | -10.726118 | -10.726118 | -10.726118 | -10.726118 | -10.726118 | -10.726118 | -10.726118 | -10.726118 | -10.726118 | -5.973395 | -5.973395 | 9.220806 | 9.220806 | -14.427747 | -14.427747 | -4.854289 | -4.854289 | 8.292254 | 8.292254 | -2.838363 | -2.838363 | -0.381712 | -0.381712 | 9.383072 | 9.383072 | -7.643184 | -7.643184 | -14.926727 | -14.926727 | -11.900386 | -11.900386 | -3.649472 | -3.649472 | -12.262398 | -12.262398 | 2.174395 | 2.174395 | 0.025846 | 0.025846 | 4.321824 | 4.321824 | -1.545862 | -1.545862 | -2.832174 | -2.832174 | 0.734903 | 0.734903 | -8.572282 | -8.572282 | 4.738330 | 4.738330 | 1.487599 | 1.487599 | 3.959651 | 3.959651 | -0.185267 | -0.185267 |
| 0.01297 | 0.011117 | 4.549115 | -14.013640 | -3.729440 | -3.729440 | -3.729440 | -3.729440 | -3.729440 | -3.729440 | -3.729440 | -3.729440 | -3.729440 | -1.678341 | -1.678341 | 12.988072 | 12.988072 | -2.161438 | -2.161438 | 0.686200 | 0.686200 | 9.963454 | 9.963454 | -1.907053 | -1.907053 | 0.325617 | 0.325617 | 4.638443 | 4.638443 | -0.635477 | -0.635477 | -2.160900 | -2.160900 | -4.736875 | -4.736875 | -1.919493 | -1.919493 | -1.544334 | -1.544334 | -0.813723 | -0.813723 | 2.143783 | 2.143783 | 5.315718 | 5.315718 | 1.667017 | 1.667017 | -0.038178 | -0.038178 | 2.834683 | 2.834683 | -11.274371 | -11.274371 | 2.628478 | 2.628478 | 2.513466 | 2.513466 | 4.584847 | 4.584847 | 2.800806 | 2.800806 |
| 0.01579 | 0.01112 | -0.064619 | -11.789156 | -1.892232 | -1.892232 | -1.892232 | -1.892232 | -1.892232 | -1.892232 | -1.892232 | -1.892232 | -1.892232 | 0.632691 | 0.632691 | 6.462528 | 6.462528 | -0.382047 | -0.382047 | 3.051234 | 3.051234 | 8.210913 | 8.210913 | 2.183262 | 2.183262 | -1.306558 | -1.306558 | -0.440332 | -0.440332 | 0.276994 | 0.276994 | 0.905537 | 0.905537 | -1.143765 | -1.143765 | 1.913098 | 1.913098 | 1.366752 | 1.366752 | 2.111757 | 2.111757 | 1.100247 | 1.100247 | -8.508086 | -8.508086 | 1.448123 | 1.448123 | -0.708954 | -0.708954 | 0.921845 | 0.921845 | -3.934739 | -3.934739 | -1.977437 | -1.977437 | 5.785429 | 5.785429 | 4.757077 | 4.757077 | -1.928917 | -1.928917 |
| 0.018609 | 0.011123 | -4.421906 | -7.689594 | -3.466368 | -3.466368 | -3.466368 | -3.466368 | -3.466368 | -3.466368 | -3.466368 | -3.466368 | -3.466368 | 1.926247 | 1.926247 | 3.290774 | 3.290774 | -0.040986 | -0.040986 | 0.163638 | 0.163638 | 9.555747 | 9.555747 | 5.449221 | 5.449221 | -0.110850 | -0.110850 | 0.094522 | 0.094522 | -1.248309 | -1.248309 | 0.879450 | 0.879450 | 0.997666 | 0.997666 | -1.403108 | -1.403108 | -0.468676 | -0.468676 | 3.106255 | 3.106255 | 0.362703 | 0.362703 | -9.603964 | -9.603964 | -3.087102 | -3.087102 | -0.016676 | -0.016676 | 4.680553 | 4.680553 | 1.146697 | 1.146697 | -0.789937 | -0.789937 | -0.341724 | -0.341724 | 2.259372 | 2.259372 | 0.578766 | 0.578766 |
| 0.021429 | 0.011126 | -0.214221 | -4.550467 | -7.835014 | -7.835014 | -7.835014 | -7.835014 | -7.835014 | -7.835014 | -7.835014 | -7.835014 | -7.835014 | -1.820586 | -1.820586 | 3.870340 | 3.870340 | -2.805167 | -2.805167 | 3.601231 | 3.601231 | 3.280953 | 3.280953 | 2.360359 | 2.360359 | -1.004541 | -1.004541 | -0.788605 | -0.788605 | 0.416039 | 0.416039 | 0.615055 | 0.615055 | 0.778575 | 0.778575 | -7.720722 | -7.720722 | -7.726718 | -7.726718 | 1.262481 | 1.262481 | -0.469836 | -0.469836 | -6.484919 | -6.484919 | -3.026004 | -3.026004 | 0.443770 | 0.443770 | 3.106944 | 3.106944 | -4.199383 | -4.199383 | 5.671239 | 5.671239 | 4.293458 | 4.293458 | -0.528721 | -0.528721 | 2.358063 | 2.358063 |
| 0.024249 | 0.01113 | -0.002856 | -3.217324 | -8.530963 | -8.530963 | -8.530963 | -8.530963 | -8.530963 | -8.530963 | -8.530963 | -8.530963 | -8.530963 | -6.620572 | -6.620572 | 1.556732 | 1.556732 | -1.563765 | -1.563765 | 3.155512 | 3.155512 | 1.014260 | 1.014260 | 0.614370 | 0.614370 | -5.313301 | -5.313301 | -1.291355 | -1.291355 | 0.242267 | 0.242267 | 0.505556 | 0.505556 | 2.717577 | 2.717577 | -4.530722 | -4.530722 | -7.909051 | -7.909051 | -0.532119 | -0.532119 | 1.236155 | 1.236155 | 1.143130 | 1.143130 | -2.462372 | -2.462372 | 3.590577 | 3.590577 | -1.760323 | -1.760323 | -10.283223 | -10.283223 | 5.602969 | 5.602969 | 9.029568 | 9.029568 | 0.081665 | 0.081665 | 0.649093 | 0.649093 |
| 0.027069 | 0.011133 | -2.267063 | -10.184169 | -2.819592 | -2.819592 | -2.819592 | -2.819592 | -2.819592 | -2.819592 | -2.819592 | -2.819592 | -2.819592 | -2.228638 | -2.228638 | -5.646849 | -5.646849 | -2.865244 | -2.865244 | -0.280521 | -0.280521 | 1.575976 | 1.575976 | 1.825769 | 1.825769 | -2.958924 | -2.958924 | -0.418397 | -0.418397 | 1.264154 | 1.264154 | -1.868859 | -1.868859 | 5.662669 | 5.662669 | -1.633644 | -1.633644 | 5.230442 | 5.230442 | 2.369804 | 2.369804 | 0.649276 | 0.649276 | 4.995375 | 4.995375 | -7.161848 | -7.161848 | 8.569675 | 8.569675 | -3.969407 | -3.969407 | -6.289547 | -6.289547 | 8.868111 | 8.868111 | 3.187116 | 3.187116 | 0.949567 | 0.949567 | -4.451559 | -4.451559 |
| 0.029889 | 0.011136 | -5.621243 | -18.460016 | -0.765468 | -0.765468 | -0.765468 | -0.765468 | -0.765468 | -0.765468 | -0.765468 | -0.765468 | -0.765468 | 1.587052 | 1.587052 | -3.736380 | -3.736380 | 0.689743 | 0.689743 | 0.008952 | 0.008952 | 3.848131 | 3.848131 | -0.147182 | -0.147182 | 0.371470 | 0.371470 | -1.525532 | -1.525532 | 2.587570 | 2.587570 | -1.755357 | -1.755357 | -1.273868 | -1.273868 | 3.798263 | 3.798263 | 3.237311 | 3.237311 | -1.033272 | -1.033272 | 1.212542 | 1.212542 | 11.070399 | 11.070399 | -1.440518 | -1.440518 | 3.963114 | 3.963114 | -6.077637 | -6.077637 | -3.326180 | -3.326180 | -1.035979 | -1.035979 | -2.087071 | -2.087071 | -1.137406 | -1.137406 | 2.567785 | 2.567785 |
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| 0.041168 | 0.011149 | -2.418965 | -2.623795 | -2.489069 | -2.489069 | -2.489069 | -2.489069 | -2.489069 | -2.489069 | -2.489069 | -2.489069 | -2.489069 | -0.000290 | -0.000290 | 0.845327 | 0.845327 | 0.024246 | 0.024246 | -2.593438 | -2.593438 | 2.823694 | 2.823694 | -0.234122 | -0.234122 | 1.201939 | 1.201939 | -1.542850 | -1.542850 | -0.603918 | -0.603918 | -1.206018 | -1.206018 | 2.364207 | 2.364207 | 0.774043 | 0.774043 | 0.818498 | 0.818498 | -1.034854 | -1.034854 | 0.961719 | 0.961719 | 0.779033 | 0.779033 | -0.066658 | -0.066658 | -4.304184 | -4.304184 | 0.146611 | 0.146611 | -1.982856 | -1.982856 | 1.477633 | 1.477633 | -1.999668 | -1.999668 | 8.943309 | 8.943309 | -3.994830 | -3.994830 |
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| 0.046808 | 0.011156 | -2.687460 | -1.351715 | -0.280119 | -0.280119 | -0.280119 | -0.280119 | -0.280119 | -0.280119 | -0.280119 | -0.280119 | -0.280119 | -4.989242 | -4.989242 | -0.452491 | -0.452491 | 1.782437 | 1.782437 | -2.075232 | -2.075232 | 3.832454 | 3.832454 | -2.622209 | -2.622209 | 4.071549 | 4.071549 | 1.332209 | 1.332209 | 0.636018 | 0.636018 | 0.240262 | 0.240262 | 2.052905 | 2.052905 | 0.418131 | 0.418131 | 3.354595 | 3.354595 | 0.751042 | 0.751042 | 1.073790 | 1.073790 | -2.808733 | -2.808733 | -6.958607 | -6.958607 | 8.498190 | 8.498190 | -2.029978 | -2.029978 | -0.879222 | -0.879222 | 5.769992 | 5.769992 | 4.202567 | 4.202567 | 0.014663 | 0.014663 | -3.464438 | -3.464438 |
| 0.049628 | 0.011159 | -8.187632 | 1.905349 | -0.921818 | -0.921818 | -0.921818 | -0.921818 | -0.921818 | -0.921818 | -0.921818 | -0.921818 | -0.921818 | 0.490423 | 0.490423 | 3.764342 | 3.764342 | -0.263669 | -0.263669 | 2.839531 | 2.839531 | 4.371051 | 4.371051 | -1.564942 | -1.564942 | 3.107547 | 3.107547 | 1.741129 | 1.741129 | 3.029027 | 3.029027 | -0.656452 | -0.656452 | -2.069908 | -2.069908 | -5.520016 | -5.520016 | 8.745386 | 8.745386 | 1.836044 | 1.836044 | -3.915529 | -3.915529 | -1.464941 | -1.464941 | -8.279346 | -8.279346 | 1.662167 | 1.662167 | 4.371122 | 4.371122 | -3.685528 | -3.685528 | 3.018532 | 3.018532 | 4.505926 | 4.505926 | 5.033319 | 5.033319 | 1.817697 | 1.817697 |
| 0.052448 | 0.011162 | -8.207104 | 0.864314 | 0.445578 | 0.445578 | 0.445578 | 0.445578 | 0.445578 | 0.445578 | 0.445578 | 0.445578 | 0.445578 | 2.204199 | 2.204199 | -0.289990 | -0.289990 | 0.168474 | 0.168474 | -2.416709 | -2.416709 | 4.625591 | 4.625591 | 1.480378 | 1.480378 | 0.744556 | 0.744556 | 2.947020 | 2.947020 | 2.620853 | 2.620853 | -1.568514 | -1.568514 | -0.945316 | -0.945316 | -2.727809 | -2.727809 | 8.524810 | 8.524810 | 1.005892 | 1.005892 | -6.716982 | -6.716982 | -0.395826 | -0.395826 | -6.658789 | -6.658789 | -0.817153 | -0.817153 | 6.577625 | 6.577625 | -3.995579 | -3.995579 | -9.281031 | -9.281031 | 3.077438 | 3.077438 | -2.791585 | -2.791585 | 4.555255 | 4.555255 |
| 0.055268 | 0.011165 | 0.228054 | 0.416805 | 1.922357 | 1.922357 | 1.922357 | 1.922357 | 1.922357 | 1.922357 | 1.922357 | 1.922357 | 1.922357 | -0.804542 | -0.804542 | -6.663175 | -6.663175 | 3.909932 | 3.909932 | 0.372942 | 0.372942 | 1.317417 | 1.317417 | 2.054801 | 2.054801 | 0.903570 | 0.903570 | 1.675386 | 1.675386 | -2.007132 | -2.007132 | -1.995893 | -1.995893 | 2.409805 | 2.409805 | 1.707673 | 1.707673 | 1.342299 | 1.342299 | -6.099766 | -6.099766 | -2.714088 | -2.714088 | 0.587814 | 0.587814 | 4.768388 | 4.768388 | -5.158696 | -5.158696 | 0.745732 | 0.745732 | -3.950904 | -3.950904 | -1.511035 | -1.511035 | 2.230887 | 2.230887 | 1.633291 | 1.633291 | -0.647465 | -0.647465 |
| 0.058088 | 0.011169 | 5.745062 | -1.273326 | -0.727925 | -0.727925 | -0.727925 | -0.727925 | -0.727925 | -0.727925 | -0.727925 | -0.727925 | -0.727925 | -0.170713 | -0.170713 | -4.828829 | -4.828829 | -0.725063 | -0.725063 | 3.925392 | 3.925392 | 2.061291 | 2.061291 | 1.086087 | 1.086087 | 0.849233 | 0.849233 | -0.555291 | -0.555291 | 1.190535 | 1.190535 | 7.405028 | 7.405028 | 3.751656 | 3.751656 | 0.650216 | 0.650216 | 7.624900 | 7.624900 | -0.510323 | -0.510323 | -0.389016 | -0.389016 | 2.903073 | 2.903073 | 5.708356 | 5.708356 | -6.054578 | -6.054578 | -4.882887 | -4.882887 | -3.411183 | -3.411183 | 3.888765 | 3.888765 | 1.916015 | 1.916015 | 2.367952 | 2.367952 | -2.841394 | -2.841394 |
| 0.060907 | 0.011172 | 2.934941 | -0.901959 | 0.616058 | 0.616058 | 0.616058 | 0.616058 | 0.616058 | 0.616058 | 0.616058 | 0.616058 | 0.616058 | 2.359695 | 2.359695 | -3.224669 | -3.224669 | 5.545263 | 5.545263 | 6.020157 | 6.020157 | 0.606468 | 0.606468 | -0.975734 | -0.975734 | -3.170090 | -3.170090 | 0.087261 | 0.087261 | 0.062445 | 0.062445 | 10.036250 | 10.036250 | 2.826461 | 2.826461 | 0.280068 | 0.280068 | 8.260446 | 8.260446 | -4.868821 | -4.868821 | -1.728820 | -1.728820 | 4.099632 | 4.099632 | 2.408651 | 2.408651 | -3.823591 | -3.823591 | -2.989319 | -2.989319 | 1.602768 | 1.602768 | -2.107405 | -2.107405 | 5.971121 | 5.971121 | 4.681502 | 4.681502 | -1.997415 | -1.997415 |
| 0.063727 | 0.011175 | 3.857779 | -2.368533 | -0.679356 | -0.679356 | -0.679356 | -0.679356 | -0.679356 | -0.679356 | -0.679356 | -0.679356 | -0.679356 | 4.844640 | 4.844640 | 0.263175 | 0.263175 | 3.815200 | 3.815200 | 3.197612 | 3.197612 | 0.266826 | 0.266826 | -3.775234 | -3.775234 | -3.423077 | -3.423077 | 3.842825 | 3.842825 | 1.264973 | 1.264973 | 4.686633 | 4.686633 | -0.989281 | -0.989281 | -1.953714 | -1.953714 | 9.349944 | 9.349944 | -10.724435 | -10.724435 | 1.498003 | 1.498003 | -4.537078 | -4.537078 | -0.560292 | -0.560292 | 0.094216 | 0.094216 | -1.973615 | -1.973615 | 4.784507 | 4.784507 | -2.649192 | -2.649192 | 9.923632 | 9.923632 | 3.944471 | 3.944471 | -1.900110 | -1.900110 |
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| 0.077827 | 0.011191 | 2.769406 | -1.307823 | 0.746833 | 0.746833 | 0.746833 | 0.746833 | 0.746833 | 0.746833 | 0.746833 | 0.746833 | 0.746833 | 2.540556 | 2.540556 | -2.132838 | -2.132838 | 8.017529 | 8.017529 | -0.648419 | -0.648419 | 0.999073 | 0.999073 | -0.513885 | -0.513885 | -1.389639 | -1.389639 | -1.180334 | -1.180334 | 2.777552 | 2.777552 | 1.899892 | 1.899892 | 1.309235 | 1.309235 | -0.852639 | -0.852639 | -15.327456 | -15.327456 | -2.856449 | -2.856449 | -5.215080 | -5.215080 | -1.179290 | -1.179290 | -1.152415 | -1.152415 | 1.574490 | 1.574490 | 4.045860 | 4.045860 | -3.500656 | -3.500656 | 10.855951 | 10.855951 | -4.844319 | -4.844319 | 0.056143 | 0.056143 | -5.221646 | -5.221646 |
| 0.080647 | 0.011195 | 1.686489 | 0.139579 | -0.848291 | -0.848291 | -0.848291 | -0.848291 | -0.848291 | -0.848291 | -0.848291 | -0.848291 | -0.848291 | 1.579433 | 1.579433 | -1.808967 | -1.808967 | 5.299767 | 5.299767 | -0.545876 | -0.545876 | 0.915127 | 0.915127 | 1.739851 | 1.739851 | -0.630334 | -0.630334 | 3.430417 | 3.430417 | -0.230818 | -0.230818 | 3.550117 | 3.550117 | 2.089402 | 2.089402 | 0.411876 | 0.411876 | -15.629842 | -15.629842 | -2.463870 | -2.463870 | -4.873570 | -4.873570 | -4.101920 | -4.101920 | 8.362484 | 8.362484 | 3.230845 | 3.230845 | -2.024704 | -2.024704 | -2.350833 | -2.350833 | 1.433412 | 1.433412 | -4.169462 | -4.169462 | -1.530462 | -1.530462 | -0.793365 | -0.793365 |
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| 0.086286 | 0.011201 | 0.897671 | 3.304247 | 1.103031 | 1.103031 | 1.103031 | 1.103031 | 1.103031 | 1.103031 | 1.103031 | 1.103031 | 1.103031 | -0.127845 | -0.127845 | 0.739918 | 0.739918 | 4.921680 | 4.921680 | 2.359842 | 2.359842 | 1.813762 | 1.813762 | -0.497103 | -0.497103 | 2.902322 | 2.902322 | -1.095005 | -1.095005 | -1.594448 | -1.594448 | -1.509531 | -1.509531 | -3.822845 | -3.822845 | 0.153219 | 0.153219 | -10.431159 | -10.431159 | -1.831113 | -1.831113 | 1.582093 | 1.582093 | 6.942482 | 6.942482 | 4.724966 | 4.724966 | 3.840123 | 3.840123 | -0.075462 | -0.075462 | 0.961842 | 0.961842 | 6.812254 | 6.812254 | -0.098137 | -0.098137 | -5.897311 | -5.897311 | -1.242334 | -1.242334 |
| 0.089106 | 0.011204 | 1.483225 | 1.138597 | 0.001069 | 0.001069 | 0.001069 | 0.001069 | 0.001069 | 0.001069 | 0.001069 | 0.001069 | 0.001069 | 0.016236 | 0.016236 | -0.993325 | -0.993325 | -3.345147 | -3.345147 | 2.627211 | 2.627211 | 1.039220 | 1.039220 | -0.298058 | -0.298058 | 3.584828 | 3.584828 | -1.830944 | -1.830944 | 1.625875 | 1.625875 | -3.325251 | -3.325251 | -0.988031 | -0.988031 | -2.051870 | -2.051870 | -6.143492 | -6.143492 | 2.172234 | 2.172234 | 6.252306 | 6.252306 | 4.725174 | 4.725174 | 0.060679 | 0.060679 | 1.749298 | 1.749298 | -1.566812 | -1.566812 | -4.123682 | -4.123682 | 7.372855 | 7.372855 | 4.191791 | 4.191791 | -5.888912 | -5.888912 | -0.224880 | -0.224880 |
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| 0.114485 | 0.011234 | 4.644225 | 2.600984 | 0.433502 | 0.433502 | 0.433502 | 0.433502 | 0.433502 | 0.433502 | 0.433502 | 0.433502 | 0.433502 | 1.275356 | 1.275356 | -1.185088 | -1.185088 | 1.562613 | 1.562613 | -6.509843 | -6.509843 | 1.598238 | 1.598238 | -1.495334 | -1.495334 | -2.451754 | -2.451754 | -1.651468 | -1.651468 | 2.298694 | 2.298694 | 1.714189 | 1.714189 | 0.486879 | 0.486879 | -2.504611 | -2.504611 | 2.460656 | 2.460656 | 6.830195 | 6.830195 | 0.271962 | 0.271962 | 0.680137 | 0.680137 | -5.068807 | -5.068807 | -1.330413 | -1.330413 | -6.937704 | -6.937704 | 8.566705 | 8.566705 | 1.532511 | 1.532511 | 6.389237 | 6.389237 | 0.572381 | 0.572381 | -0.992144 | -0.992144 |
| 0.117305 | 0.011237 | 6.722216 | 3.229608 | -0.653986 | -0.653986 | -0.653986 | -0.653986 | -0.653986 | -0.653986 | -0.653986 | -0.653986 | -0.653986 | -0.586677 | -0.586677 | -3.110386 | -3.110386 | -0.296331 | -0.296331 | -7.457389 | -7.457389 | -0.010048 | -0.010048 | 2.140678 | 2.140678 | -3.541419 | -3.541419 | -1.741015 | -1.741015 | 1.709381 | 1.709381 | 3.502799 | 3.502799 | 1.223616 | 1.223616 | 2.006197 | 2.006197 | 0.525411 | 0.525411 | 10.873492 | 10.873492 | -3.073894 | -3.073894 | -3.211926 | -3.211926 | -2.820101 | -2.820101 | -3.105181 | -3.105181 | 0.443177 | 0.443177 | 9.434504 | 9.434504 | 3.591777 | 3.591777 | 8.149448 | 8.149448 | 1.631989 | 1.631989 | -1.944175 | -1.944175 |
| 0.120125 | 0.01124 | 2.642969 | 3.268852 | 1.753112 | 1.753112 | 1.753112 | 1.753112 | 1.753112 | 1.753112 | 1.753112 | 1.753112 | 1.753112 | 0.371398 | 0.371398 | -0.157492 | -0.157492 | -3.902209 | -3.902209 | -9.593078 | -9.593078 | -1.035092 | -1.035092 | 0.935201 | 0.935201 | 1.422777 | 1.422777 | 3.085504 | 3.085504 | 2.416742 | 2.416742 | -0.343230 | -0.343230 | 3.175055 | 3.175055 | 0.904382 | 0.904382 | 0.332054 | 0.332054 | 9.990286 | 9.990286 | 0.978849 | 0.978849 | -1.129008 | -1.129008 | 2.336755 | 2.336755 | -0.774531 | -0.774531 | 1.530823 | 1.530823 | 14.534169 | 14.534169 | 0.452896 | 0.452896 | 8.112322 | 8.112322 | 4.251648 | 4.251648 | -3.087638 | -3.087638 |
| 0.122945 | 0.011243 | 2.123804 | 3.744123 | 0.458380 | 0.458380 | 0.458380 | 0.458380 | 0.458380 | 0.458380 | 0.458380 | 0.458380 | 0.458380 | -0.037817 | -0.037817 | 2.819906 | 2.819906 | -4.243049 | -4.243049 | 0.441124 | 0.441124 | -0.653836 | -0.653836 | -0.370956 | -0.370956 | 0.862705 | 0.862705 | 2.175226 | 2.175226 | 1.589624 | 1.589624 | -3.504255 | -3.504255 | 2.695344 | 2.695344 | -3.054599 | -3.054599 | -0.447298 | -0.447298 | 10.639360 | 10.639360 | -0.049526 | -0.049526 | 1.615787 | 1.615787 | 5.230189 | 5.230189 | -4.834095 | -4.834095 | 0.874403 | 0.874403 | 11.985218 | 11.985218 | -0.656506 | -0.656506 | 4.663990 | 4.663990 | 3.945847 | 3.945847 | -2.873617 | -2.873617 |
| 0.125765 | 0.011247 | 2.273601 | 5.039374 | 0.375643 | 0.375643 | 0.375643 | 0.375643 | 0.375643 | 0.375643 | 0.375643 | 0.375643 | 0.375643 | 1.749506 | 1.749506 | 4.167571 | 4.167571 | -9.492599 | -9.492599 | -3.499211 | -3.499211 | -1.475246 | -1.475246 | -1.810864 | -1.810864 | -3.867257 | -3.867257 | 5.955237 | 5.955237 | -1.599474 | -1.599474 | -2.180862 | -2.180862 | 2.740158 | 2.740158 | -1.939550 | -1.939550 | -1.651940 | -1.651940 | 9.728018 | 9.728018 | 1.209427 | 1.209427 | 1.238582 | 1.238582 | 7.362101 | 7.362101 | -7.977484 | -7.977484 | 0.669757 | 0.669757 | 1.628859 | 1.628859 | 0.736089 | 0.736089 | 4.976718 | 4.976718 | 0.063112 | 0.063112 | -2.308070 | -2.308070 |
| 0.128584 | 0.01125 | 5.747487 | 3.132728 | -0.610385 | -0.610385 | -0.610385 | -0.610385 | -0.610385 | -0.610385 | -0.610385 | -0.610385 | -0.610385 | 1.227880 | 1.227880 | 4.136082 | 4.136082 | -5.553370 | -5.553370 | -6.262610 | -6.262610 | -0.488450 | -0.488450 | -1.645491 | -1.645491 | -2.368412 | -2.368412 | -2.694925 | -2.694925 | 1.001223 | 1.001223 | -0.718539 | -0.718539 | 2.772749 | 2.772749 | -8.132067 | -8.132067 | -1.705484 | -1.705484 | 8.944394 | 8.944394 | -2.552465 | -2.552465 | 4.649087 | 4.649087 | 0.592829 | 0.592829 | 0.609743 | 0.609743 | -1.746836 | -1.746836 | -4.640728 | -4.640728 | -0.767659 | -0.767659 | 4.136186 | 4.136186 | -1.727865 | -1.727865 | -0.614871 | -0.614871 |
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| 0.143798 | 0.015785 | 0.640341 | -2.617555 | -0.794304 | -0.794304 | -0.794304 | -0.794304 | -0.794304 | -0.794304 | -0.794304 | -0.794304 | -0.794304 | 1.032479 | 1.032479 | -1.254833 | -1.254833 | 1.597972 | 1.597972 | -1.371696 | -1.371696 | -0.015183 | -0.015183 | 0.599998 | 0.599998 | -2.600056 | -2.600056 | -0.063745 | -0.063745 | 1.647695 | 1.647695 | -3.721308 | -3.721308 | 1.221040 | 1.221040 | 1.004946 | 1.004946 | -4.438571 | -4.438571 | 0.390389 | 0.390389 | -1.401304 | -1.401304 | -1.233242 | -1.233242 | 2.237112 | 2.237112 | -2.240203 | -2.240203 | -2.733517 | -2.733517 | -4.836761 | -4.836761 | -7.323143 | -7.323143 | 3.691849 | 3.691849 | -0.227982 | -0.227982 | 0.856532 | 0.856532 |
| 0.143794 | 0.018605 | 1.897308 | 0.540587 | 0.352235 | 0.352235 | 0.352235 | 0.352235 | 0.352235 | 0.352235 | 0.352235 | 0.352235 | 0.352235 | -0.502257 | -0.502257 | -0.925680 | -0.925680 | 1.617696 | 1.617696 | -0.114251 | -0.114251 | -1.453657 | -1.453657 | 1.519663 | 1.519663 | -1.462820 | -1.462820 | 0.207932 | 0.207932 | 1.067033 | 1.067033 | 1.232961 | 1.232961 | 1.460042 | 1.460042 | 0.454606 | 0.454606 | -6.935420 | -6.935420 | -0.542637 | -0.542637 | -2.826383 | -2.826383 | -3.761911 | -3.761911 | 2.229981 | 2.229981 | -1.561685 | -1.561685 | -0.971079 | -0.971079 | 0.414976 | 0.414976 | 1.661593 | 1.661593 | -4.398660 | -4.398660 | 2.159142 | 2.159142 | -1.648402 | -1.648402 |
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| 0.14378 | 0.027065 | 1.407393 | 1.121395 | -2.056014 | -2.056014 | -2.056014 | -2.056014 | -2.056014 | -2.056014 | -2.056014 | -2.056014 | -2.056014 | -0.562155 | -0.562155 | 1.840909 | 1.840909 | -0.276742 | -0.276742 | 1.426010 | 1.426010 | 4.121767 | 4.121767 | -0.789255 | -0.789255 | 0.069379 | 0.069379 | -0.096480 | -0.096480 | 0.192149 | 0.192149 | -0.253313 | -0.253313 | 3.383256 | 3.383256 | -0.114334 | -0.114334 | 4.854281 | 4.854281 | -0.302170 | -0.302170 | 2.784135 | 2.784135 | 1.032127 | 1.032127 | 2.322593 | 2.322593 | 0.374756 | 0.374756 | 1.155462 | 1.155462 | -0.152644 | -0.152644 | -3.295988 | -3.295988 | -1.843454 | -1.843454 | 2.345843 | 2.345843 | 3.504303 | 3.504303 |
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| 0.143766 | 0.035524 | -3.396688 | -2.493783 | 0.771267 | 0.771267 | 0.771267 | 0.771267 | 0.771267 | 0.771267 | 0.771267 | 0.771267 | 0.771267 | 0.448271 | 0.448271 | 0.261088 | 0.261088 | 2.603326 | 2.603326 | 0.662556 | 0.662556 | 0.425616 | 0.425616 | -0.020107 | -0.020107 | 3.518334 | 3.518334 | -0.503067 | -0.503067 | -2.437257 | -2.437257 | 3.715909 | 3.715909 | 3.485382 | 3.485382 | 3.953478 | 3.953478 | 0.393079 | 0.393079 | -0.160591 | -0.160591 | 0.650356 | 0.650356 | -1.170027 | -1.170027 | 0.084691 | 0.084691 | 2.408692 | 2.408692 | 11.113814 | 11.113814 | -4.269729 | -4.269729 | 0.722975 | 0.722975 | -5.063133 | -5.063133 | 0.786850 | 0.786850 | -0.108968 | -0.108968 |
| 0.143762 | 0.038344 | 0.367558 | 0.610909 | 0.871103 | 0.871103 | 0.871103 | 0.871103 | 0.871103 | 0.871103 | 0.871103 | 0.871103 | 0.871103 | -1.202147 | -1.202147 | 2.609744 | 2.609744 | -1.098807 | -1.098807 | -0.385383 | -0.385383 | 0.264169 | 0.264169 | -1.829427 | -1.829427 | 1.885033 | 1.885033 | -5.856357 | -5.856357 | -0.617779 | -0.617779 | 1.778331 | 1.778331 | -2.695001 | -2.695001 | 4.008244 | 4.008244 | -2.198892 | -2.198892 | -1.865471 | -1.865471 | -0.784588 | -0.784588 | 2.492204 | 2.492204 | 2.080241 | 2.080241 | 3.555022 | 3.555022 | 6.231819 | 6.231819 | 3.386679 | 3.386679 | -0.086273 | -0.086273 | -3.162070 | -3.162070 | 0.766303 | 0.766303 | 1.228050 | 1.228050 |
| 0.143757 | 0.041164 | 1.434627 | 0.353066 | 2.460617 | 2.460617 | 2.460617 | 2.460617 | 2.460617 | 2.460617 | 2.460617 | 2.460617 | 2.460617 | -0.447862 | -0.447862 | 0.339462 | 0.339462 | -0.204391 | -0.204391 | 0.395896 | 0.395896 | 2.712336 | 2.712336 | -1.152436 | -1.152436 | -0.010244 | -0.010244 | 9.607191 | 9.607191 | 0.011915 | 0.011915 | 0.012768 | 0.012768 | 1.071146 | 1.071146 | 1.216660 | 1.216660 | -3.006792 | -3.006792 | -3.174934 | -3.174934 | 1.326708 | 1.326708 | 0.535250 | 0.535250 | 2.398082 | 2.398082 | 0.330073 | 0.330073 | 1.924809 | 1.924809 | 3.247218 | 3.247218 | -2.281211 | -2.281211 | -2.851196 | -2.851196 | -0.538300 | -0.538300 | 0.466857 | 0.466857 |
| 0.143752 | 0.043984 | -1.028777 | 3.016338 | -1.402389 | -1.402389 | -1.402389 | -1.402389 | -1.402389 | -1.402389 | -1.402389 | -1.402389 | -1.402389 | -0.952294 | -0.952294 | -0.599879 | -0.599879 | 2.528023 | 2.528023 | 0.169584 | 0.169584 | -3.479947 | -3.479947 | 0.403618 | 0.403618 | 7.149896 | 7.149896 | 1.979038 | 1.979038 | -0.007973 | -0.007973 | 0.180193 | 0.180193 | -0.710018 | -0.710018 | -0.713352 | -0.713352 | 1.227692 | 1.227692 | 3.493612 | 3.493612 | -0.687608 | -0.687608 | 1.730098 | 1.730098 | -11.075599 | -11.075599 | -2.703091 | -2.703091 | 6.156950 | 6.156950 | 2.215351 | 2.215351 | -0.206077 | -0.206077 | 2.226453 | 2.226453 | -2.648849 | -2.648849 | -0.623375 | -0.623375 |
| 0.143748 | 0.046804 | 1.323221 | 0.031440 | 1.912329 | 1.912329 | 1.912329 | 1.912329 | 1.912329 | 1.912329 | 1.912329 | 1.912329 | 1.912329 | 1.718528 | 1.718528 | -2.341957 | -2.341957 | 1.467549 | 1.467549 | -0.663260 | -0.663260 | -0.955130 | -0.955130 | 0.017288 | 0.017288 | 2.066903 | 2.066903 | -0.849156 | -0.849156 | -0.051543 | -0.051543 | 7.980904 | 7.980904 | -0.524747 | -0.524747 | -1.384893 | -1.384893 | 0.796991 | 0.796991 | -0.155798 | -0.155798 | -1.924232 | -1.924232 | 0.747442 | 0.747442 | -0.198918 | -0.198918 | -1.877137 | -1.877137 | 4.863084 | 4.863084 | -1.667328 | -1.667328 | 0.850884 | 0.850884 | -1.325838 | -1.325838 | -1.686649 | -1.686649 | -4.292797 | -4.292797 |
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| 0.143738 | 0.052443 | -3.052111 | 0.478102 | 1.114913 | 1.114913 | 1.114913 | 1.114913 | 1.114913 | 1.114913 | 1.114913 | 1.114913 | 1.114913 | 1.128603 | 1.128603 | 0.857378 | 0.857378 | -0.091844 | -0.091844 | 1.222631 | 1.222631 | 1.185141 | 1.185141 | 2.933512 | 2.933512 | -1.028190 | -1.028190 | 3.066314 | 3.066314 | -2.362044 | -2.362044 | 1.257887 | 1.257887 | -0.359908 | -0.359908 | -1.352974 | -1.352974 | -1.821585 | -1.821585 | -0.383168 | -0.383168 | -3.723840 | -3.723840 | 1.129219 | 1.129219 | 2.365047 | 2.365047 | 0.583111 | 0.583111 | -1.406650 | -1.406650 | -0.616629 | -0.616629 | 0.408515 | 0.408515 | -1.165202 | -1.165202 | 0.126638 | 0.126638 | -3.313966 | -3.313966 |
| 0.143734 | 0.055263 | 1.721319 | -0.674015 | 0.661242 | 0.661242 | 0.661242 | 0.661242 | 0.661242 | 0.661242 | 0.661242 | 0.661242 | 0.661242 | -2.233280 | -2.233280 | -0.753769 | -0.753769 | 4.267197 | 4.267197 | -0.543298 | -0.543298 | 1.733903 | 1.733903 | 3.853777 | 3.853777 | 2.813221 | 2.813221 | 4.499424 | 4.499424 | 0.199733 | 0.199733 | 0.800608 | 0.800608 | 2.192570 | 2.192570 | -0.347906 | -0.347906 | -0.019191 | -0.019191 | -2.796113 | -2.796113 | 0.668123 | 0.668123 | 5.869315 | 5.869315 | 0.501806 | 0.501806 | 1.801180 | 1.801180 | -0.083647 | -0.083647 | -1.911644 | -1.911644 | 1.907198 | 1.907198 | -2.400546 | -2.400546 | 2.694532 | 2.694532 | -0.285913 | -0.285913 |
| 0.143729 | 0.058083 | 2.120496 | -2.155536 | 4.035475 | 4.035475 | 4.035475 | 4.035475 | 4.035475 | 4.035475 | 4.035475 | 4.035475 | 4.035475 | 0.350558 | 0.350558 | 0.654264 | 0.654264 | 1.264581 | 1.264581 | 4.140251 | 4.140251 | 3.590534 | 3.590534 | 0.739202 | 0.739202 | -1.308179 | -1.308179 | 1.059161 | 1.059161 | -0.042825 | -0.042825 | 0.473560 | 0.473560 | 1.006334 | 1.006334 | -1.580547 | -1.580547 | -0.136569 | -0.136569 | -0.322559 | -0.322559 | 0.368620 | 0.368620 | 6.151494 | 6.151494 | 1.735898 | 1.735898 | 2.153698 | 2.153698 | -1.563876 | -1.563876 | -2.570494 | -2.570494 | 1.485304 | 1.485304 | -1.106212 | -1.106212 | 2.541129 | 2.541129 | -0.276976 | -0.276976 |
| 0.143725 | 0.060903 | -1.496080 | 1.579643 | 0.913547 | 0.913547 | 0.913547 | 0.913547 | 0.913547 | 0.913547 | 0.913547 | 0.913547 | 0.913547 | -0.218686 | -0.218686 | -2.014760 | -2.014760 | -0.078301 | -0.078301 | 3.859224 | 3.859224 | 1.088636 | 1.088636 | -0.554680 | -0.554680 | 0.446409 | 0.446409 | -1.405001 | -1.405001 | 1.560571 | 1.560571 | 2.498342 | 2.498342 | 2.683050 | 2.683050 | -0.898129 | -0.898129 | -3.005715 | -3.005715 | 1.790976 | 1.790976 | 0.227759 | 0.227759 | 1.761588 | 1.761588 | 4.060197 | 4.060197 | 1.218212 | 1.218212 | -3.122165 | -3.122165 | -0.387554 | -0.387554 | 1.515457 | 1.515457 | 0.867715 | 0.867715 | -1.516879 | -1.516879 | -2.255101 | -2.255101 |
| 0.14372 | 0.063723 | -1.844621 | -1.939454 | -2.030334 | -2.030334 | -2.030334 | -2.030334 | -2.030334 | -2.030334 | -2.030334 | -2.030334 | -2.030334 | -1.835745 | -1.835745 | 2.002961 | 2.002961 | -0.397007 | -0.397007 | -1.099381 | -1.099381 | -0.419886 | -0.419886 | -0.394956 | -0.394956 | 0.107473 | 0.107473 | 1.188181 | 1.188181 | 1.636857 | 1.636857 | 0.381568 | 0.381568 | 5.023149 | 5.023149 | 1.594229 | 1.594229 | -4.499636 | -4.499636 | 5.244175 | 5.244175 | 0.908356 | 0.908356 | 1.619065 | 1.619065 | 0.700071 | 0.700071 | 0.329425 | 0.329425 | -1.193968 | -1.193968 | 2.263807 | 2.263807 | 2.457682 | 2.457682 | 1.051018 | 1.051018 | -1.561039 | -1.561039 | -1.925726 | -1.925726 |
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| 0.143706 | 0.072183 | 0.586551 | -1.974778 | 4.346491 | 4.346491 | 4.346491 | 4.346491 | 4.346491 | 4.346491 | 4.346491 | 4.346491 | 4.346491 | 0.742963 | 0.742963 | 2.761423 | 2.761423 | 0.879409 | 0.879409 | 1.878979 | 1.878979 | -1.345277 | -1.345277 | -0.324541 | -0.324541 | -2.854830 | -2.854830 | -1.503536 | -1.503536 | -0.287183 | -0.287183 | 2.989337 | 2.989337 | 0.464840 | 0.464840 | -1.350829 | -1.350829 | 7.215089 | 7.215089 | 2.559408 | 2.559408 | -0.181042 | -0.181042 | 0.199887 | 0.199887 | 2.886149 | 2.886149 | 0.503356 | 0.503356 | 0.102723 | 0.102723 | -2.125543 | -2.125543 | -2.734257 | -2.734257 | 0.561550 | 0.561550 | -0.182980 | -0.182980 | 1.350001 | 1.350001 |
| 0.143702 | 0.075002 | 1.446093 | 4.245742 | 0.545816 | 0.545816 | 0.545816 | 0.545816 | 0.545816 | 0.545816 | 0.545816 | 0.545816 | 0.545816 | 0.362695 | 0.362695 | 0.738103 | 0.738103 | -1.537930 | -1.537930 | -0.984421 | -0.984421 | -1.902868 | -1.902868 | -1.017366 | -1.017366 | 3.440808 | 3.440808 | -0.057170 | -0.057170 | -1.474856 | -1.474856 | -0.878075 | -0.878075 | 1.808209 | 1.808209 | 1.160879 | 1.160879 | -6.384569 | -6.384569 | -1.712264 | -1.712264 | -3.891433 | -3.891433 | 1.100839 | 1.100839 | 1.717132 | 1.717132 | -5.124636 | -5.124636 | -0.809519 | -0.809519 | 1.786372 | 1.786372 | 2.619498 | 2.619498 | 1.156081 | 1.156081 | 0.131360 | 0.131360 | -0.125804 | -0.125804 |
| 0.143697 | 0.077822 | 1.532701 | 3.912243 | -0.925328 | -0.925328 | -0.925328 | -0.925328 | -0.925328 | -0.925328 | -0.925328 | -0.925328 | -0.925328 | 2.437178 | 2.437178 | 0.433166 | 0.433166 | -0.234006 | -0.234006 | -1.303069 | -1.303069 | 0.186715 | 0.186715 | -1.219796 | -1.219796 | -2.194159 | -2.194159 | 0.121836 | 0.121836 | -0.720072 | -0.720072 | 2.498383 | 2.498383 | -1.233006 | -1.233006 | 0.352875 | 0.352875 | -9.913836 | -9.913836 | -4.055494 | -4.055494 | -0.419287 | -0.419287 | 0.159809 | 0.159809 | 4.400764 | 4.400764 | -1.785396 | -1.785396 | -1.234093 | -1.234093 | 1.525871 | 1.525871 | 2.193544 | 2.193544 | -0.020801 | -0.020801 | -2.052249 | -2.052249 | 2.367521 | 2.367521 |
| 0.143692 | 0.080642 | 1.835804 | -3.083170 | 0.088632 | 0.088632 | 0.088632 | 0.088632 | 0.088632 | 0.088632 | 0.088632 | 0.088632 | 0.088632 | 2.036246 | 2.036246 | 1.104610 | 1.104610 | 2.557938 | 2.557938 | 1.649802 | 1.649802 | -0.516607 | -0.516607 | 2.511416 | 2.511416 | 2.176576 | 2.176576 | -0.655183 | -0.655183 | -0.652227 | -0.652227 | 1.656594 | 1.656594 | 5.439754 | 5.439754 | -1.802467 | -1.802467 | -1.229694 | -1.229694 | -2.648112 | -2.648112 | 0.084203 | 0.084203 | -2.498960 | -2.498960 | -2.243357 | -2.243357 | 0.451293 | 0.451293 | -1.683866 | -1.683866 | 0.900700 | 0.900700 | 0.218333 | 0.218333 | 0.674446 | 0.674446 | 0.468562 | 0.468562 | 0.710254 | 0.710254 |
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| 0.143669 | 0.094742 | -0.060505 | 8.198118 | 0.126315 | 0.126315 | 0.126315 | 0.126315 | 0.126315 | 0.126315 | 0.126315 | 0.126315 | 0.126315 | 0.958515 | 0.958515 | 2.010941 | 2.010941 | -5.590945 | -5.590945 | 2.265696 | 2.265696 | -1.395712 | -1.395712 | 0.304081 | 0.304081 | 1.262837 | 1.262837 | -0.050859 | -0.050859 | -0.888628 | -0.888628 | 0.556928 | 0.556928 | -0.257065 | -0.257065 | 0.702667 | 0.702667 | -0.913460 | -0.913460 | 0.543543 | 0.543543 | -2.617949 | -2.617949 | -0.114800 | -0.114800 | 0.997503 | 0.997503 | 0.862743 | 0.862743 | -0.470887 | -0.470887 | -0.762861 | -0.762861 | -2.713830 | -2.713830 | -1.453980 | -1.453980 | 1.572981 | 1.572981 | 0.514376 | 0.514376 |
| 0.143665 | 0.097561 | 0.684444 | -0.896964 | -0.637165 | -0.637165 | -0.637165 | -0.637165 | -0.637165 | -0.637165 | -0.637165 | -0.637165 | -0.637165 | 4.599195 | 4.599195 | -0.343462 | -0.343462 | -3.100063 | -3.100063 | -1.195946 | -1.195946 | -2.387453 | -2.387453 | -0.336996 | -0.336996 | 6.282941 | 6.282941 | 0.156751 | 0.156751 | -0.866144 | -0.866144 | -2.372854 | -2.372854 | 0.402111 | 0.402111 | 0.190819 | 0.190819 | 1.182274 | 1.182274 | 1.604595 | 1.604595 | -3.145517 | -3.145517 | -1.127399 | -1.127399 | 6.072177 | 6.072177 | 1.460098 | 1.460098 | -0.605485 | -0.605485 | 1.544623 | 1.544623 | -3.870889 | -3.870889 | -0.040867 | -0.040867 | 6.543685 | 6.543685 | -1.786781 | -1.786781 |
| 0.14366 | 0.100381 | 1.165749 | 0.631680 | 0.603921 | 0.603921 | 0.603921 | 0.603921 | 0.603921 | 0.603921 | 0.603921 | 0.603921 | 0.603921 | 2.832697 | 2.832697 | -2.130743 | -2.130743 | 1.578013 | 1.578013 | -0.783263 | -0.783263 | -0.946598 | -0.946598 | 0.747174 | 0.747174 | -2.191911 | -2.191911 | 0.737803 | 0.737803 | 2.013072 | 2.013072 | -1.019230 | -1.019230 | -2.151200 | -2.151200 | -4.521415 | -4.521415 | -0.777180 | -0.777180 | 0.900291 | 0.900291 | 2.932713 | 2.932713 | 1.534253 | 1.534253 | -3.682909 | -3.682909 | 4.246727 | 4.246727 | -2.887305 | -2.887305 | -0.478700 | -0.478700 | 2.607128 | 2.607128 | -4.206795 | -4.206795 | -0.547688 | -0.547688 | -2.257277 | -2.257277 |
| 0.143655 | 0.103201 | 5.443586 | 2.181997 | 2.876447 | 2.876447 | 2.876447 | 2.876447 | 2.876447 | 2.876447 | 2.876447 | 2.876447 | 2.876447 | 2.657154 | 2.657154 | 0.334772 | 0.334772 | 1.922882 | 1.922882 | 1.183265 | 1.183265 | -1.512781 | -1.512781 | 0.738469 | 0.738469 | -0.831731 | -0.831731 | -1.226558 | -1.226558 | 0.012817 | 0.012817 | 2.930639 | 2.930639 | -0.218872 | -0.218872 | 2.862941 | 2.862941 | -4.110045 | -4.110045 | 1.423521 | 1.423521 | 3.249040 | 3.249040 | 5.315314 | 5.315314 | -3.829118 | -3.829118 | 2.279048 | 2.279048 | 3.135596 | 3.135596 | 4.430421 | 4.430421 | -0.634651 | -0.634651 | -4.989428 | -4.989428 | -0.388838 | -0.388838 | -1.836286 | -1.836286 |
| 0.143089 | 0.105459 | 4.372983 | 2.920360 | 1.514806 | 1.514806 | 1.514806 | 1.514806 | 1.514806 | 1.514806 | 1.514806 | 1.514806 | 1.514806 | 0.985687 | 0.985687 | 0.629601 | 0.629601 | 2.776801 | 2.776801 | -0.745020 | -0.745020 | -1.024939 | -1.024939 | 1.568659 | 1.568659 | -1.470914 | -1.470914 | 0.442310 | 0.442310 | 2.178479 | 2.178479 | -0.447777 | -0.447777 | 2.355706 | 2.355706 | 3.382151 | 3.382151 | -3.713637 | -3.713637 | -10.079957 | -10.079957 | 4.602932 | 4.602932 | 3.523390 | 3.523390 | -5.434876 | -5.434876 | -1.843590 | -1.843590 | 6.897703 | 6.897703 | 4.455514 | 4.455514 | -2.802200 | -2.802200 | -1.820365 | -1.820365 | -1.777390 | -1.777390 | 6.122100 | 6.122100 |
| 0.140269 | 0.105463 | 3.515783 | -0.512730 | 2.103850 | 2.103850 | 2.103850 | 2.103850 | 2.103850 | 2.103850 | 2.103850 | 2.103850 | 2.103850 | 2.110624 | 2.110624 | 0.371854 | 0.371854 | 3.809352 | 3.809352 | -1.940641 | -1.940641 | 1.817773 | 1.817773 | 1.188192 | 1.188192 | -1.675339 | -1.675339 | 0.977021 | 0.977021 | 0.964690 | 0.964690 | -0.210596 | -0.210596 | 3.154233 | 3.154233 | 1.185503 | 1.185503 | -1.154511 | -1.154511 | -2.643977 | -2.643977 | 5.109432 | 5.109432 | 0.888168 | 0.888168 | 0.399030 | 0.399030 | -3.253634 | -3.253634 | 6.243883 | 6.243883 | 4.273000 | 4.273000 | -0.802014 | -0.802014 | 1.310386 | 1.310386 | -1.963063 | -1.963063 | -1.114242 | -1.114242 |
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| 0.13463 | 0.105469 | -5.699163 | 1.461094 | 1.305398 | 1.305398 | 1.305398 | 1.305398 | 1.305398 | 1.305398 | 1.305398 | 1.305398 | 1.305398 | 0.435299 | 0.435299 | -0.838446 | -0.838446 | -1.269243 | -1.269243 | -2.156056 | -2.156056 | 0.145920 | 0.145920 | 1.961901 | 1.961901 | -2.929854 | -2.929854 | -1.191926 | -1.191926 | -0.123327 | -0.123327 | -2.600297 | -2.600297 | 0.653763 | 0.653763 | 1.549813 | 1.549813 | 0.302395 | 0.302395 | 2.043620 | 2.043620 | -1.719921 | -1.719921 | -4.446949 | -4.446949 | 2.083633 | 2.083633 | 1.375216 | 1.375216 | 3.134494 | 3.134494 | 0.275466 | 0.275466 | -0.180426 | -0.180426 | -2.668064 | -2.668064 | -2.396002 | -2.396002 | -2.504873 | -2.504873 |
| 0.13181 | 0.105472 | -0.817712 | 0.037686 | -1.338806 | -1.338806 | -1.338806 | -1.338806 | -1.338806 | -1.338806 | -1.338806 | -1.338806 | -1.338806 | 2.757418 | 2.757418 | 0.939157 | 0.939157 | 3.692872 | 3.692872 | 0.149733 | 0.149733 | -0.754996 | -0.754996 | 0.929640 | 0.929640 | 0.907463 | 0.907463 | 0.121432 | 0.121432 | 3.678442 | 3.678442 | -3.279163 | -3.279163 | 2.677755 | 2.677755 | -2.812544 | -2.812544 | -0.509503 | -0.509503 | -0.280183 | -0.280183 | 0.524009 | 0.524009 | -2.034758 | -2.034758 | -5.193574 | -5.193574 | 2.191612 | 2.191612 | -0.725423 | -0.725423 | 0.530264 | 0.530264 | 2.484530 | 2.484530 | -4.787959 | -4.787959 | 1.375805 | 1.375805 | 3.768971 | 3.768971 |
| 0.12899 | 0.105476 | -0.236296 | 0.753049 | -0.541529 | -0.541529 | -0.541529 | -0.541529 | -0.541529 | -0.541529 | -0.541529 | -0.541529 | -0.541529 | -0.082378 | -0.082378 | 3.755662 | 3.755662 | 3.273343 | 3.273343 | 1.275253 | 1.275253 | 1.743366 | 1.743366 | -1.655141 | -1.655141 | 4.032175 | 4.032175 | 1.030729 | 1.030729 | 0.728060 | 0.728060 | 3.503168 | 3.503168 | -1.221723 | -1.221723 | 5.778497 | 5.778497 | -0.137634 | -0.137634 | 1.602433 | 1.602433 | 2.205635 | 2.205635 | -2.265139 | -2.265139 | -1.101249 | -1.101249 | -1.528507 | -1.528507 | -7.938017 | -7.938017 | 3.245756 | 3.245756 | 8.278324 | 8.278324 | -1.822442 | -1.822442 | -1.020485 | -1.020485 | 0.040466 | 0.040466 |
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| 0.12335 | 0.105482 | 0.893604 | 2.412864 | 4.028513 | 4.028513 | 4.028513 | 4.028513 | 4.028513 | 4.028513 | 4.028513 | 4.028513 | 4.028513 | -1.685600 | -1.685600 | -2.002624 | -2.002624 | -0.242244 | -0.242244 | -0.343044 | -0.343044 | -1.240334 | -1.240334 | -0.498505 | -0.498505 | -1.667749 | -1.667749 | 1.345965 | 1.345965 | 0.168457 | 0.168457 | 0.807733 | 0.807733 | 1.143764 | 1.143764 | -2.340275 | -2.340275 | 1.713897 | 1.713897 | 4.755423 | 4.755423 | -0.307630 | -0.307630 | 3.595727 | 3.595727 | 6.018200 | 6.018200 | -0.366452 | -0.366452 | 0.132386 | 0.132386 | -3.877558 | -3.877558 | 2.670448 | 2.670448 | 1.047072 | 1.047072 | -1.198544 | -1.198544 | 1.917605 | 1.917605 |
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| 0.095152 | 0.105515 | 0.005666 | -0.030497 | -0.024275 | -0.024275 | -0.024275 | -0.024275 | -0.024275 | -0.024275 | -0.024275 | -0.024275 | -0.024275 | 0.207578 | 0.207578 | 0.005064 | 0.005064 | -2.049924 | -2.049924 | 1.961338 | 1.961338 | -2.254680 | -2.254680 | -0.070020 | -0.070020 | 0.806835 | 0.806835 | -2.257101 | -2.257101 | -1.830900 | -1.830900 | 0.610651 | 0.610651 | 0.245108 | 0.245108 | -0.024713 | -0.024713 | -2.505083 | -2.505083 | 1.413479 | 1.413479 | 2.532519 | 2.532519 | 2.775844 | 2.775844 | -0.366011 | -0.366011 | 2.074246 | 2.074246 | 0.804967 | 0.804967 | 1.119724 | 1.119724 | -1.330187 | -1.330187 | -0.981541 | -0.981541 | 0.877312 | 0.877312 | -1.006545 | -1.006545 |
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| 0.086692 | 0.105524 | 2.527415 | 1.915097 | 1.336948 | 1.336948 | 1.336948 | 1.336948 | 1.336948 | 1.336948 | 1.336948 | 1.336948 | 1.336948 | -0.939855 | -0.939855 | 1.090459 | 1.090459 | 3.267913 | 3.267913 | -1.956460 | -1.956460 | -1.186772 | -1.186772 | 1.193311 | 1.193311 | -2.196495 | -2.196495 | 1.812922 | 1.812922 | 4.405396 | 4.405396 | -2.930388 | -2.930388 | -1.651024 | -1.651024 | 5.152188 | 5.152188 | 2.973801 | 2.973801 | -4.042736 | -4.042736 | 0.357030 | 0.357030 | -4.124259 | -4.124259 | 7.357218 | 7.357218 | -2.437478 | -2.437478 | -1.331099 | -1.331099 | -6.754328 | -6.754328 | -0.765906 | -0.765906 | 2.718646 | 2.718646 | 0.328285 | 0.328285 | 2.212968 | 2.212968 |
| 0.083872 | 0.105528 | -0.339970 | 2.261633 | 1.118481 | 1.118481 | 1.118481 | 1.118481 | 1.118481 | 1.118481 | 1.118481 | 1.118481 | 1.118481 | 0.561026 | 0.561026 | -3.443064 | -3.443064 | 2.293001 | 2.293001 | 0.940331 | 0.940331 | 1.157435 | 1.157435 | 2.074316 | 2.074316 | -3.392922 | -3.392922 | -4.045353 | -4.045353 | 2.028478 | 2.028478 | 3.531875 | 3.531875 | -4.566869 | -4.566869 | 0.263683 | 0.263683 | 1.844063 | 1.844063 | -0.515572 | -0.515572 | -1.659142 | -1.659142 | 3.465537 | 3.465537 | 0.507707 | 0.507707 | 1.162185 | 1.162185 | -1.197443 | -1.197443 | -3.636507 | -3.636507 | 3.292530 | 3.292530 | 2.893548 | 2.893548 | -3.500732 | -3.500732 | 0.037968 | 0.037968 |
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| 0.075412 | 0.105538 | -2.396533 | 3.970704 | -0.446836 | -0.446836 | -0.446836 | -0.446836 | -0.446836 | -0.446836 | -0.446836 | -0.446836 | -0.446836 | 0.700871 | 0.700871 | 1.203574 | 1.203574 | 1.574296 | 1.574296 | 2.874567 | 2.874567 | -0.580198 | -0.580198 | 0.341099 | 0.341099 | 1.993481 | 1.993481 | -5.387919 | -5.387919 | 3.550362 | 3.550362 | 1.907299 | 1.907299 | -1.221239 | -1.221239 | 1.193557 | 1.193557 | -2.939035 | -2.939035 | 1.464603 | 1.464603 | 2.356749 | 2.356749 | 2.240992 | 2.240992 | -2.375575 | -2.375575 | 3.647315 | 3.647315 | 1.204196 | 1.204196 | 2.607074 | 2.607074 | 7.452985 | 7.452985 | -0.565294 | -0.565294 | 2.538625 | 2.538625 | -0.960839 | -0.960839 |
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| 0.044394 | 0.105573 | 0.968582 | 2.144508 | 1.115804 | 1.115804 | 1.115804 | 1.115804 | 1.115804 | 1.115804 | 1.115804 | 1.115804 | 1.115804 | -0.361061 | -0.361061 | 1.352642 | 1.352642 | 0.120328 | 0.120328 | -1.325877 | -1.325877 | 0.865730 | 0.865730 | -1.820990 | -1.820990 | -2.733182 | -2.733182 | -4.002784 | -4.002784 | -0.216903 | -0.216903 | -4.256172 | -4.256172 | -0.094745 | -0.094745 | 3.279964 | 3.279964 | 0.130357 | 0.130357 | 3.076306 | 3.076306 | -1.122273 | -1.122273 | 9.834940 | 9.834940 | -7.629031 | -7.629031 | 8.048715 | 8.048715 | 2.796845 | 2.796845 | 0.539330 | 0.539330 | -7.534105 | -7.534105 | -1.118428 | -1.118428 | 3.888365 | 3.888365 | -2.656068 | -2.656068 |
| 0.041574 | 0.105577 | 1.253651 | 3.677831 | 4.240341 | 4.240341 | 4.240341 | 4.240341 | 4.240341 | 4.240341 | 4.240341 | 4.240341 | 4.240341 | -5.676000 | -5.676000 | 0.931952 | 0.931952 | -1.048702 | -1.048702 | -0.313822 | -0.313822 | -0.119041 | -0.119041 | 0.897423 | 0.897423 | -3.004209 | -3.004209 | -0.205008 | -0.205008 | -0.320631 | -0.320631 | 3.185711 | 3.185711 | 3.722388 | 3.722388 | 0.513682 | 0.513682 | 2.271398 | 2.271398 | -0.033987 | -0.033987 | 2.618573 | 2.618573 | 12.032101 | 12.032101 | -0.275064 | -0.275064 | 4.594283 | 4.594283 | 0.909692 | 0.909692 | 5.047254 | 5.047254 | -3.738675 | -3.738675 | 2.545234 | 2.545234 | 0.110239 | 0.110239 | 5.872986 | 5.872986 |
| 0.038754 | 0.10558 | 2.148513 | 1.509959 | 0.709852 | 0.709852 | 0.709852 | 0.709852 | 0.709852 | 0.709852 | 0.709852 | 0.709852 | 0.709852 | 3.710490 | 3.710490 | -2.153973 | -2.153973 | 1.843201 | 1.843201 | 3.505341 | 3.505341 | -0.720735 | -0.720735 | 3.617591 | 3.617591 | 0.264096 | 0.264096 | 5.738002 | 5.738002 | -1.966178 | -1.966178 | 2.472118 | 2.472118 | 1.514690 | 1.514690 | -2.949213 | -2.949213 | 3.600297 | 3.600297 | 1.040735 | 1.040735 | -0.165821 | -0.165821 | 6.474524 | 6.474524 | 0.294851 | 0.294851 | -6.549246 | -6.549246 | -0.364454 | -0.364454 | -4.078071 | -4.078071 | 1.736713 | 1.736713 | 2.975858 | 2.975858 | -7.460121 | -7.460121 | 4.775824 | 4.775824 |
| 0.035934 | 0.105583 | 1.669827 | 0.930842 | 0.153558 | 0.153558 | 0.153558 | 0.153558 | 0.153558 | 0.153558 | 0.153558 | 0.153558 | 0.153558 | 3.831826 | 3.831826 | 0.213284 | 0.213284 | 0.653356 | 0.653356 | 2.483779 | 2.483779 | 4.418198 | 4.418198 | 5.773397 | 5.773397 | -3.599479 | -3.599479 | -0.657601 | -0.657601 | -0.341954 | -0.341954 | 10.689658 | 10.689658 | -0.090609 | -0.090609 | -1.285657 | -1.285657 | 4.835212 | 4.835212 | 4.142961 | 4.142961 | -1.771495 | -1.771495 | 2.976649 | 2.976649 | -1.329864 | -1.329864 | -4.248457 | -4.248457 | 4.719424 | 4.719424 | -4.411465 | -4.411465 | 3.101669 | 3.101669 | 4.049057 | 4.049057 | 3.499916 | 3.499916 | 2.559708 | 2.559708 |
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| 0.030294 | 0.10559 | 1.126693 | -1.746131 | 0.633099 | 0.633099 | 0.633099 | 0.633099 | 0.633099 | 0.633099 | 0.633099 | 0.633099 | 0.633099 | 1.391785 | 1.391785 | 1.618392 | 1.618392 | 5.868652 | 5.868652 | 0.318861 | 0.318861 | 1.587618 | 1.587618 | -2.195946 | -2.195946 | -2.649633 | -2.649633 | -0.656206 | -0.656206 | 10.037329 | 10.037329 | -1.331956 | -1.331956 | 1.052519 | 1.052519 | 3.046479 | 3.046479 | -5.264612 | -5.264612 | 6.811520 | 6.811520 | 8.759264 | 8.759264 | 2.486499 | 2.486499 | 0.845973 | 0.845973 | 5.398295 | 5.398295 | 3.130760 | 3.130760 | 0.357016 | 0.357016 | -6.260329 | -6.260329 | -5.058003 | -5.058003 | 4.397472 | 4.397472 | -5.503886 | -5.503886 |
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| 0.024655 | 0.105596 | 3.118574 | 3.748960 | 0.592092 | 0.592092 | 0.592092 | 0.592092 | 0.592092 | 0.592092 | 0.592092 | 0.592092 | 0.592092 | 6.850203 | 6.850203 | 0.153698 | 0.153698 | -3.128664 | -3.128664 | -1.619493 | -1.619493 | -0.799035 | -0.799035 | 0.769338 | 0.769338 | 1.025595 | 1.025595 | -3.446234 | -3.446234 | -5.162996 | -5.162996 | -4.016979 | -4.016979 | -0.316521 | -0.316521 | 12.336103 | 12.336103 | 10.239265 | 10.239265 | -3.373744 | -3.373744 | 10.642099 | 10.642099 | 7.603804 | 7.603804 | 0.933169 | 0.933169 | 1.883909 | 1.883909 | 11.292159 | 11.292159 | -0.240422 | -0.240422 | -4.372053 | -4.372053 | 4.457434 | 4.457434 | -1.856940 | -1.856940 | 1.272757 | 1.272757 |
| 0.021835 | 0.105599 | 2.758723 | 0.478581 | 0.104197 | 0.104197 | 0.104197 | 0.104197 | 0.104197 | 0.104197 | 0.104197 | 0.104197 | 0.104197 | 2.661615 | 2.661615 | 2.248581 | 2.248581 | -0.774392 | -0.774392 | 0.247227 | 0.247227 | -0.262065 | -0.262065 | 2.182227 | 2.182227 | -0.646376 | -0.646376 | -3.499020 | -3.499020 | 3.897966 | 3.897966 | -7.430362 | -7.430362 | 3.731472 | 3.731472 | 2.789754 | 2.789754 | 1.325110 | 1.325110 | 2.615338 | 2.615338 | 10.483023 | 10.483023 | 14.191958 | 14.191958 | 3.094154 | 3.094154 | 0.922052 | 0.922052 | 2.742375 | 2.742375 | 7.869763 | 7.869763 | -0.259563 | -0.259563 | -2.381736 | -2.381736 | -0.939799 | -0.939799 | -10.000641 | -10.000641 |
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| 0.016195 | 0.105606 | 0.370366 | 1.127486 | -0.413163 | -0.413163 | -0.413163 | -0.413163 | -0.413163 | -0.413163 | -0.413163 | -0.413163 | -0.413163 | -2.656968 | -2.656968 | -0.503635 | -0.503635 | 0.284742 | 0.284742 | 0.628345 | 0.628345 | 1.416644 | 1.416644 | -0.406009 | -0.406009 | 3.474765 | 3.474765 | 2.223367 | 2.223367 | -3.656469 | -3.656469 | 2.340032 | 2.340032 | -3.925938 | -3.925938 | 3.674137 | 3.674137 | 0.647225 | 0.647225 | -4.848583 | -4.848583 | 3.591618 | 3.591618 | 6.632072 | 6.632072 | -1.089257 | -1.089257 | -7.361970 | -7.361970 | 5.180998 | 5.180998 | 1.205251 | 1.205251 | 1.677299 | 1.677299 | -26.395883 | -26.395883 | 4.091915 | 4.091915 | 3.042551 | 3.042551 |
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| 0.01011 | 0.083459 | 1.980303 | 1.873098 | 0.440916 | 0.440916 | 0.440916 | 0.440916 | 0.440916 | 0.440916 | 0.440916 | 0.440916 | 0.440916 | 2.958830 | 2.958830 | -0.465967 | -0.465967 | -1.159620 | -1.159620 | 0.285373 | 0.285373 | -0.109240 | -0.109240 | 5.498547 | 5.498547 | 1.086664 | 1.086664 | 4.012179 | 4.012179 | -0.909962 | -0.909962 | 0.496948 | 0.496948 | 7.375682 | 7.375682 | -16.841566 | -16.841566 | 0.647606 | 0.647606 | 2.261129 | 2.261129 | 0.468721 | 0.468721 | 1.207893 | 1.207893 | -0.332357 | -0.332357 | -8.943799 | -8.943799 | 3.121154 | 3.121154 | 2.901922 | 2.901922 | 4.819870 | 4.819870 | -4.575475 | -4.575475 | -3.597281 | -3.597281 | 2.598089 | 2.598089 |
| 0.010105 | 0.08064 | 1.056651 | -0.915752 | 1.484084 | 1.484084 | 1.484084 | 1.484084 | 1.484084 | 1.484084 | 1.484084 | 1.484084 | 1.484084 | 2.343271 | 2.343271 | -0.315411 | -0.315411 | -2.794221 | -2.794221 | 1.344525 | 1.344525 | 5.621119 | 5.621119 | -2.219133 | -2.219133 | 1.875075 | 1.875075 | 4.112824 | 4.112824 | 0.563379 | 0.563379 | 0.520217 | 0.520217 | 3.789182 | 3.789182 | -10.905721 | -10.905721 | 0.886381 | 0.886381 | 4.682038 | 4.682038 | 5.065193 | 5.065193 | 4.552952 | 4.552952 | 3.439651 | 3.439651 | -10.986338 | -10.986338 | 2.896239 | 2.896239 | 3.486107 | 3.486107 | -2.108460 | -2.108460 | -11.250565 | -11.250565 | 0.071701 | 0.071701 | 2.729454 | 2.729454 |
| 0.010099 | 0.07782 | -1.475069 | -6.146190 | 7.504816 | 7.504816 | 7.504816 | 7.504816 | 7.504816 | 7.504816 | 7.504816 | 7.504816 | 7.504816 | -2.217816 | -2.217816 | -0.835437 | -0.835437 | 0.481937 | 0.481937 | 0.360657 | 0.360657 | 4.342739 | 4.342739 | -1.311616 | -1.311616 | 1.688659 | 1.688659 | -0.219571 | -0.219571 | 1.267207 | 1.267207 | -1.027139 | -1.027139 | 0.450909 | 0.450909 | -13.169070 | -13.169070 | -1.699754 | -1.699754 | 0.291682 | 0.291682 | 5.709363 | 5.709363 | 2.822009 | 2.822009 | -1.408392 | -1.408392 | 0.937705 | 0.937705 | 5.072974 | 5.072974 | 6.421165 | 6.421165 | -7.182921 | -7.182921 | -8.743866 | -8.743866 | 0.752892 | 0.752892 | 1.229897 | 1.229897 |
| 0.010094 | 0.075 | -1.683207 | 0.192909 | 4.350869 | 4.350869 | 4.350869 | 4.350869 | 4.350869 | 4.350869 | 4.350869 | 4.350869 | 4.350869 | 1.413834 | 1.413834 | -0.023435 | -0.023435 | -0.031811 | -0.031811 | 2.023319 | 2.023319 | 1.760988 | 1.760988 | -0.209512 | -0.209512 | 4.003201 | 4.003201 | -2.128839 | -2.128839 | 3.654844 | 3.654844 | -0.346202 | -0.346202 | 9.582274 | 9.582274 | -5.297863 | -5.297863 | 0.619185 | 0.619185 | 6.992467 | 6.992467 | 0.083868 | 0.083868 | -2.530453 | -2.530453 | -11.716684 | -11.716684 | 6.251059 | 6.251059 | 14.369215 | 14.369215 | 7.253311 | 7.253311 | -4.599131 | -4.599131 | -3.357350 | -3.357350 | 5.707622 | 5.707622 | -0.927696 | -0.927696 |
| 0.010089 | 0.07218 | -0.083687 | 6.200348 | 3.053939 | 3.053939 | 3.053939 | 3.053939 | 3.053939 | 3.053939 | 3.053939 | 3.053939 | 3.053939 | 3.448441 | 3.448441 | 2.339973 | 2.339973 | 2.257525 | 2.257525 | -0.533381 | -0.533381 | 4.479726 | 4.479726 | 1.137855 | 1.137855 | -8.984735 | -8.984735 | 3.260708 | 3.260708 | 1.397658 | 1.397658 | 0.005789 | 0.005789 | 4.552288 | 4.552288 | -4.716216 | -4.716216 | 2.838527 | 2.838527 | -2.249937 | -2.249937 | -1.760192 | -1.760192 | -1.755210 | -1.755210 | -7.629966 | -7.629966 | 4.883204 | 4.883204 | 11.407784 | 11.407784 | 0.588838 | 0.588838 | -2.885427 | -2.885427 | 1.025128 | 1.025128 | 7.957910 | 7.957910 | -2.866054 | -2.866054 |
| 0.010084 | 0.06936 | 3.125974 | 4.507170 | 0.649438 | 0.649438 | 0.649438 | 0.649438 | 0.649438 | 0.649438 | 0.649438 | 0.649438 | 0.649438 | 0.245890 | 0.245890 | 3.287310 | 3.287310 | 4.576248 | 4.576248 | -2.388990 | -2.388990 | 1.091011 | 1.091011 | 1.919186 | 1.919186 | -4.104912 | -4.104912 | -3.349410 | -3.349410 | 0.569229 | 0.569229 | -4.577932 | -4.577932 | -4.580799 | -4.580799 | -0.044960 | -0.044960 | 3.772281 | 3.772281 | -2.894113 | -2.894113 | -1.952935 | -1.952935 | -0.992710 | -0.992710 | -1.614452 | -1.614452 | -0.225125 | -0.225125 | 2.092097 | 2.092097 | -3.874418 | -3.874418 | 6.103995 | 6.103995 | 0.354895 | 0.354895 | 7.075102 | 7.075102 | -5.925405 | -5.925405 |
| 0.010079 | 0.06654 | 7.905213 | 4.714266 | 5.615844 | 5.615844 | 5.615844 | 5.615844 | 5.615844 | 5.615844 | 5.615844 | 5.615844 | 5.615844 | -2.602586 | -2.602586 | 6.185752 | 6.185752 | 3.131213 | 3.131213 | -1.712385 | -1.712385 | -0.964495 | -0.964495 | 1.911413 | 1.911413 | -0.963139 | -0.963139 | -1.073129 | -1.073129 | -1.629467 | -1.629467 | 1.055780 | 1.055780 | -3.886449 | -3.886449 | 0.911686 | 0.911686 | -0.327248 | -0.327248 | 6.703528 | 6.703528 | -5.820312 | -5.820312 | 1.847201 | 1.847201 | 1.024293 | 1.024293 | 1.356694 | 1.356694 | 2.084098 | 2.084098 | 1.870100 | 1.870100 | 8.563959 | 8.563959 | -0.938687 | -0.938687 | 9.628494 | 9.628494 | -3.443529 | -3.443529 |
| 0.010074 | 0.06372 | -0.682139 | -0.926084 | 5.715530 | 5.715530 | 5.715530 | 5.715530 | 5.715530 | 5.715530 | 5.715530 | 5.715530 | 5.715530 | -3.140622 | -3.140622 | 5.173576 | 5.173576 | 1.692150 | 1.692150 | -0.936744 | -0.936744 | 1.883870 | 1.883870 | 0.750588 | 0.750588 | -0.138943 | -0.138943 | -2.167210 | -2.167210 | 0.281787 | 0.281787 | 2.818207 | 2.818207 | -1.269672 | -1.269672 | -6.704427 | -6.704427 | -2.497291 | -2.497291 | -0.888269 | -0.888269 | -0.037394 | -0.037394 | 2.066628 | 2.066628 | 7.318308 | 7.318308 | 0.866895 | 0.866895 | 2.017347 | 2.017347 | -0.713452 | -0.713452 | 6.438557 | 6.438557 | 1.589410 | 1.589410 | 17.385205 | 17.385205 | -4.822061 | -4.822061 |
| 0.010069 | 0.060901 | 1.444544 | 7.322471 | 4.314840 | 4.314840 | 4.314840 | 4.314840 | 4.314840 | 4.314840 | 4.314840 | 4.314840 | 4.314840 | -1.775410 | -1.775410 | 1.795143 | 1.795143 | 1.227349 | 1.227349 | -1.705759 | -1.705759 | 1.192066 | 1.192066 | -0.680302 | -0.680302 | 0.215319 | 0.215319 | 1.294684 | 1.294684 | 2.249711 | 2.249711 | 4.198336 | 4.198336 | -2.345051 | -2.345051 | 6.510987 | 6.510987 | -3.495486 | -3.495486 | -0.035807 | -0.035807 | -2.864197 | -2.864197 | 3.368121 | 3.368121 | -1.051732 | -1.051732 | 4.128049 | 4.128049 | 7.348449 | 7.348449 | -2.100695 | -2.100695 | 6.659178 | 6.659178 | 4.213551 | 4.213551 | 12.106103 | 12.106103 | -4.401630 | -4.401630 |
| 0.010064 | 0.058081 | 1.790873 | 7.056528 | 3.400170 | 3.400170 | 3.400170 | 3.400170 | 3.400170 | 3.400170 | 3.400170 | 3.400170 | 3.400170 | -2.623027 | -2.623027 | -2.317827 | -2.317827 | -0.296833 | -0.296833 | -1.709235 | -1.709235 | -0.401593 | -0.401593 | 5.116343 | 5.116343 | 6.226810 | 6.226810 | 1.453995 | 1.453995 | 4.321437 | 4.321437 | 3.719914 | 3.719914 | 0.244861 | 0.244861 | 1.947099 | 1.947099 | 1.377404 | 1.377404 | 1.357788 | 1.357788 | 1.139672 | 1.139672 | 1.798709 | 1.798709 | 3.069990 | 3.069990 | 3.462449 | 3.462449 | 4.239704 | 4.239704 | -6.814405 | -6.814405 | -0.251848 | -0.251848 | 6.157697 | 6.157697 | 12.523728 | 12.523728 | -3.721867 | -3.721867 |
| 0.010059 | 0.055261 | 4.390995 | -7.383110 | 1.521526 | 1.521526 | 1.521526 | 1.521526 | 1.521526 | 1.521526 | 1.521526 | 1.521526 | 1.521526 | -1.861079 | -1.861079 | 4.551253 | 4.551253 | 0.104272 | 0.104272 | -2.862270 | -2.862270 | 2.862497 | 2.862497 | -0.504051 | -0.504051 | 4.323540 | 4.323540 | -2.683392 | -2.683392 | 4.562099 | 4.562099 | 3.737696 | 3.737696 | 2.934620 | 2.934620 | -0.184402 | -0.184402 | 2.560097 | 2.560097 | -2.859284 | -2.859284 | 0.055136 | 0.055136 | -6.639688 | -6.639688 | 2.610634 | 2.610634 | 8.818982 | 8.818982 | -1.014388 | -1.014388 | -6.007758 | -6.007758 | -2.851099 | -2.851099 | 0.709549 | 0.709549 | 11.995223 | 11.995223 | -1.892267 | -1.892267 |
| 0.010053 | 0.052441 | 3.362352 | -1.816630 | 3.256544 | 3.256544 | 3.256544 | 3.256544 | 3.256544 | 3.256544 | 3.256544 | 3.256544 | 3.256544 | -1.144448 | -1.144448 | -0.334816 | -0.334816 | 2.057230 | 2.057230 | -5.007431 | -5.007431 | 3.856510 | 3.856510 | 6.735595 | 6.735595 | 1.851607 | 1.851607 | -0.798973 | -0.798973 | 1.670900 | 1.670900 | 1.925933 | 1.925933 | 1.506498 | 1.506498 | 1.810883 | 1.810883 | -6.993858 | -6.993858 | 0.759500 | 0.759500 | -2.655231 | -2.655231 | -4.332280 | -4.332280 | 0.358888 | 0.358888 | 4.921844 | 4.921844 | 0.883030 | 0.883030 | -3.167594 | -3.167594 | -5.386724 | -5.386724 | -4.679165 | -4.679165 | 14.281731 | 14.281731 | 4.810865 | 4.810865 |
| 0.010048 | 0.049621 | -1.688111 | 1.134151 | 6.538277 | 6.538277 | 6.538277 | 6.538277 | 6.538277 | 6.538277 | 6.538277 | 6.538277 | 6.538277 | -1.530109 | -1.530109 | -6.580565 | -6.580565 | -1.418916 | -1.418916 | -1.281686 | -1.281686 | 5.811771 | 5.811771 | -4.615130 | -4.615130 | 0.104524 | 0.104524 | -0.150438 | -0.150438 | 4.841051 | 4.841051 | -0.309780 | -0.309780 | -0.112960 | -0.112960 | -1.652561 | -1.652561 | -8.996111 | -8.996111 | 2.163250 | 2.163250 | -3.340444 | -3.340444 | -2.111814 | -2.111814 | -2.615095 | -2.615095 | 1.903861 | 1.903861 | 0.323203 | 0.323203 | 1.257979 | 1.257979 | -3.878873 | -3.878873 | -3.080364 | -3.080364 | 10.804265 | 10.804265 | -0.802732 | -0.802732 |
| 0.010043 | 0.046801 | -6.015186 | 4.372414 | 5.184775 | 5.184775 | 5.184775 | 5.184775 | 5.184775 | 5.184775 | 5.184775 | 5.184775 | 5.184775 | -1.379844 | -1.379844 | -3.152186 | -3.152186 | -0.607356 | -0.607356 | 4.966849 | 4.966849 | 2.852464 | 2.852464 | -6.652611 | -6.652611 | -0.405347 | -0.405347 | 1.404222 | 1.404222 | -1.074608 | -1.074608 | 0.167560 | 0.167560 | -0.456652 | -0.456652 | 0.798311 | 0.798311 | -4.748744 | -4.748744 | 1.096936 | 1.096936 | -2.741990 | -2.741990 | 0.078772 | 0.078772 | -0.018849 | -0.018849 | 3.029592 | 3.029592 | 5.073836 | 5.073836 | 6.031539 | 6.031539 | -0.667762 | -0.667762 | 5.321314 | 5.321314 | 18.308365 | 18.308365 | -0.105592 | -0.105592 |
| 0.010038 | 0.043981 | -4.265527 | -9.016224 | 0.958970 | 0.958970 | 0.958970 | 0.958970 | 0.958970 | 0.958970 | 0.958970 | 0.958970 | 0.958970 | -1.474302 | -1.474302 | -2.205341 | -2.205341 | 0.866100 | 0.866100 | 6.800265 | 6.800265 | 5.405699 | 5.405699 | -0.788369 | -0.788369 | 0.514131 | 0.514131 | -3.392912 | -3.392912 | -1.070320 | -1.070320 | 7.511689 | 7.511689 | -1.141612 | -1.141612 | 0.424413 | 0.424413 | -0.294133 | -0.294133 | 3.955172 | 3.955172 | -1.637324 | -1.637324 | -0.466254 | -0.466254 | 2.008442 | 2.008442 | 1.810173 | 1.810173 | 0.411886 | 0.411886 | 4.317786 | 4.317786 | -2.589302 | -2.589302 | 1.829715 | 1.829715 | 20.214560 | 20.214560 | 5.718551 | 5.718551 |
| 0.010033 | 0.041161 | -5.482014 | 0.695288 | -1.156942 | -1.156942 | -1.156942 | -1.156942 | -1.156942 | -1.156942 | -1.156942 | -1.156942 | -1.156942 | -2.006031 | -2.006031 | -5.741577 | -5.741577 | 0.862409 | 0.862409 | 2.645725 | 2.645725 | 1.412303 | 1.412303 | 0.123836 | 0.123836 | 1.319141 | 1.319141 | -1.972614 | -1.972614 | -0.612636 | -0.612636 | 0.750665 | 0.750665 | -1.548354 | -1.548354 | 1.577413 | 1.577413 | 3.704160 | 3.704160 | 1.416440 | 1.416440 | -7.048657 | -7.048657 | -3.065472 | -3.065472 | 0.270622 | 0.270622 | -2.855492 | -2.855492 | -2.110072 | -2.110072 | 10.637540 | 10.637540 | -1.460581 | -1.460581 | 4.686665 | 4.686665 | 2.140313 | 2.140313 | 1.506118 | 1.506118 |
| 0.010028 | 0.038342 | -1.160606 | -1.326289 | -7.872562 | -7.872562 | -7.872562 | -7.872562 | -7.872562 | -7.872562 | -7.872562 | -7.872562 | -7.872562 | -2.015339 | -2.015339 | -5.317413 | -5.317413 | 0.631993 | 0.631993 | 0.088004 | 0.088004 | 2.526475 | 2.526475 | 0.007553 | 0.007553 | 0.627043 | 0.627043 | 0.468626 | 0.468626 | 1.428163 | 1.428163 | 1.413362 | 1.413362 | 1.810286 | 1.810286 | 1.491469 | 1.491469 | -2.212229 | -2.212229 | -0.514592 | -0.514592 | 0.910210 | 0.910210 | -1.705720 | -1.705720 | 1.443806 | 1.443806 | -1.558408 | -1.558408 | -0.140478 | -0.140478 | 3.067777 | 3.067777 | -2.556283 | -2.556283 | 2.650128 | 2.650128 | -8.400430 | -8.400430 | -4.650732 | -4.650732 |
| 0.010023 | 0.035522 | 7.006975 | -1.187133 | 0.824965 | 0.824965 | 0.824965 | 0.824965 | 0.824965 | 0.824965 | 0.824965 | 0.824965 | 0.824965 | -2.057032 | -2.057032 | -2.695275 | -2.695275 | -3.100394 | -3.100394 | -6.000517 | -6.000517 | 3.597070 | 3.597070 | 2.088439 | 2.088439 | 0.677390 | 0.677390 | 6.536155 | 6.536155 | 2.546195 | 2.546195 | 3.900237 | 3.900237 | 0.021736 | 0.021736 | -1.139204 | -1.139204 | -0.069437 | -0.069437 | -4.229542 | -4.229542 | 4.833695 | 4.833695 | -3.420868 | -3.420868 | 0.545521 | 0.545521 | -5.512982 | -5.512982 | -9.711997 | -9.711997 | 6.636953 | 6.636953 | -0.148923 | -0.148923 | 2.273329 | 2.273329 | -4.229896 | -4.229896 | -11.783337 | -11.783337 |
| 0.010018 | 0.032702 | 2.270289 | -2.790578 | 2.697040 | 2.697040 | 2.697040 | 2.697040 | 2.697040 | 2.697040 | 2.697040 | 2.697040 | 2.697040 | 0.210424 | 0.210424 | -2.223576 | -2.223576 | -2.147506 | -2.147506 | -2.724909 | -2.724909 | 1.471604 | 1.471604 | -2.296759 | -2.296759 | -0.019415 | -0.019415 | 5.227701 | 5.227701 | -0.526486 | -0.526486 | 2.112635 | 2.112635 | -0.784027 | -0.784027 | -1.681728 | -1.681728 | -6.169327 | -6.169327 | 1.490096 | 1.490096 | 0.145611 | 0.145611 | -4.002784 | -4.002784 | 3.596384 | 3.596384 | -0.109268 | -0.109268 | 3.340413 | 3.340413 | -0.359059 | -0.359059 | 1.537386 | 1.537386 | 3.790581 | 3.790581 | -1.432771 | -1.432771 | -4.869729 | -4.869729 |
| 0.010013 | 0.029882 | 2.751085 | -0.325785 | 3.100923 | 3.100923 | 3.100923 | 3.100923 | 3.100923 | 3.100923 | 3.100923 | 3.100923 | 3.100923 | 0.555931 | 0.555931 | -4.846996 | -4.846996 | 0.679919 | 0.679919 | -0.923020 | -0.923020 | 1.279892 | 1.279892 | -1.540014 | -1.540014 | -1.026150 | -1.026150 | 2.514933 | 2.514933 | 3.177244 | 3.177244 | 2.713189 | 2.713189 | -0.461028 | -0.461028 | -0.105310 | -0.105310 | -7.049978 | -7.049978 | 4.474725 | 4.474725 | -7.031317 | -7.031317 | -4.863188 | -4.863188 | 6.270756 | 6.270756 | 1.193631 | 1.193631 | 5.169224 | 5.169224 | -7.989220 | -7.989220 | 1.924587 | 1.924587 | 3.643230 | 3.643230 | 5.344149 | 5.344149 | -4.781773 | -4.781773 |
| 0.010007 | 0.027062 | 3.330498 | 2.279722 | 2.213228 | 2.213228 | 2.213228 | 2.213228 | 2.213228 | 2.213228 | 2.213228 | 2.213228 | 2.213228 | 2.656396 | 2.656396 | -2.754374 | -2.754374 | -5.134753 | -5.134753 | -1.549029 | -1.549029 | -0.814302 | -0.814302 | -1.340075 | -1.340075 | -2.999676 | -2.999676 | 5.153944 | 5.153944 | 2.603770 | 2.603770 | 3.306257 | 3.306257 | 0.987318 | 0.987318 | 0.086617 | 0.086617 | 0.097374 | 0.097374 | 6.891750 | 6.891750 | 2.622702 | 2.622702 | -5.607224 | -5.607224 | 0.239037 | 0.239037 | -2.856095 | -2.856095 | 0.590827 | 0.590827 | -4.754701 | -4.754701 | 3.785738 | 3.785738 | 2.684380 | 2.684380 | -0.669925 | -0.669925 | 0.685306 | 0.685306 |
| 0.010002 | 0.024242 | 4.543390 | 8.377608 | 3.252473 | 3.252473 | 3.252473 | 3.252473 | 3.252473 | 3.252473 | 3.252473 | 3.252473 | 3.252473 | -0.869612 | -0.869612 | -0.990548 | -0.990548 | -0.663813 | -0.663813 | -3.353550 | -3.353550 | -1.327770 | -1.327770 | -1.042594 | -1.042594 | -1.427634 | -1.427634 | 6.791128 | 6.791128 | 0.065591 | 0.065591 | 5.616856 | 5.616856 | 1.102946 | 1.102946 | -2.345322 | -2.345322 | 0.250820 | 0.250820 | 1.947811 | 1.947811 | -1.307670 | -1.307670 | -2.784834 | -2.784834 | 1.767325 | 1.767325 | -2.696593 | -2.696593 | 6.366071 | 6.366071 | -3.936854 | -3.936854 | 2.356739 | 2.356739 | 0.424029 | 0.424029 | -6.920625 | -6.920625 | 7.176453 | 7.176453 |
| 0.009997 | 0.021422 | 2.548584 | 5.511067 | 3.042553 | 3.042553 | 3.042553 | 3.042553 | 3.042553 | 3.042553 | 3.042553 | 3.042553 | 3.042553 | 2.714943 | 2.714943 | 0.408648 | 0.408648 | 0.932835 | 0.932835 | -4.933516 | -4.933516 | -1.782352 | -1.782352 | -0.993269 | -0.993269 | 0.099945 | 0.099945 | -3.882371 | -3.882371 | 4.163165 | 4.163165 | 1.382897 | 1.382897 | 0.947834 | 0.947834 | 1.013463 | 1.013463 | 1.148294 | 1.148294 | -0.676351 | -0.676351 | 3.742537 | 3.742537 | -6.872316 | -6.872316 | 3.715647 | 3.715647 | -4.246103 | -4.246103 | 1.521640 | 1.521640 | -1.962055 | -1.962055 | -0.484313 | -0.484313 | -0.849325 | -0.849325 | -7.256328 | -7.256328 | 7.250906 | 7.250906 |
| 0.01191 | 0.020524 | -4.823883 | 3.349657 | 0.500067 | 0.500067 | 0.500067 | 0.500067 | 0.500067 | 0.500067 | 0.500067 | 0.500067 | 0.500067 | 2.348415 | 2.348415 | -0.901032 | -0.901032 | -1.197055 | -1.197055 | -2.408227 | -2.408227 | -3.794304 | -3.794304 | -8.238711 | -8.238711 | 9.423681 | 9.423681 | -8.600063 | -8.600063 | 1.649396 | 1.649396 | -6.212455 | -6.212455 | -2.598444 | -2.598444 | 0.365663 | 0.365663 | 1.348221 | 1.348221 | 0.305356 | 0.305356 | 5.897418 | 5.897418 | -6.144040 | -6.144040 | -0.530873 | -0.530873 | -0.928326 | -0.928326 | 0.571177 | 0.571177 | -4.266955 | -4.266955 | 0.539603 | 0.539603 | 3.079206 | 3.079206 | -4.122523 | -4.122523 | -5.717362 | -5.717362 |
| 0.01473 | 0.020535 | 1.302542 | 3.361467 | 1.163132 | 1.163132 | 1.163132 | 1.163132 | 1.163132 | 1.163132 | 1.163132 | 1.163132 | 1.163132 | 1.727303 | 1.727303 | -3.125738 | -3.125738 | 1.826487 | 1.826487 | -0.465372 | -0.465372 | -4.940840 | -4.940840 | -3.515661 | -3.515661 | 2.816258 | 2.816258 | -0.944693 | -0.944693 | 1.625076 | 1.625076 | -0.322107 | -0.322107 | -0.913639 | -0.913639 | 2.245424 | 2.245424 | -2.600440 | -2.600440 | 5.300391 | 5.300391 | -1.314002 | -1.314002 | -5.216424 | -5.216424 | -0.447528 | -0.447528 | 0.102580 | 0.102580 | -0.854267 | -0.854267 | -4.652297 | -4.652297 | 0.720089 | 0.720089 | 2.059400 | 2.059400 | -0.407444 | -0.407444 | -6.492578 | -6.492578 |
| 0.01755 | 0.020545 | 1.650832 | -1.167466 | 1.404902 | 1.404902 | 1.404902 | 1.404902 | 1.404902 | 1.404902 | 1.404902 | 1.404902 | 1.404902 | -0.111183 | -0.111183 | -2.056033 | -2.056033 | -0.327426 | -0.327426 | -3.916468 | -3.916468 | -2.489901 | -2.489901 | -0.782285 | -0.782285 | 1.418365 | 1.418365 | 0.339055 | 0.339055 | 3.661991 | 3.661991 | 6.363722 | 6.363722 | -3.312526 | -3.312526 | 1.154576 | 1.154576 | -0.869699 | -0.869699 | 2.120715 | 2.120715 | -1.088802 | -1.088802 | -4.410837 | -4.410837 | 5.255683 | 5.255683 | 1.625429 | 1.625429 | -1.794862 | -1.794862 | -3.114033 | -3.114033 | 0.849314 | 0.849314 | 0.874342 | 0.874342 | -1.510723 | -1.510723 | -7.216400 | -7.216400 |
| 0.02037 | 0.020556 | 0.320014 | 4.439680 | 2.927254 | 2.927254 | 2.927254 | 2.927254 | 2.927254 | 2.927254 | 2.927254 | 2.927254 | 2.927254 | -0.937882 | -0.937882 | -3.540994 | -3.540994 | -9.632847 | -9.632847 | -1.411489 | -1.411489 | -1.779899 | -1.779899 | -0.711016 | -0.711016 | 1.305338 | 1.305338 | -0.290446 | -0.290446 | 1.778974 | 1.778974 | 3.397253 | 3.397253 | -0.026802 | -0.026802 | -0.759012 | -0.759012 | 2.517987 | 2.517987 | -4.804590 | -4.804590 | 0.765235 | 0.765235 | -1.394866 | -1.394866 | 0.865575 | 0.865575 | 0.447801 | 0.447801 | 0.028524 | 0.028524 | -0.212014 | -0.212014 | 1.040254 | 1.040254 | -2.571820 | -2.571820 | -2.561179 | -2.561179 | 1.678317 | 1.678317 |
| 0.02319 | 0.020567 | 2.006723 | -0.362042 | 2.041744 | 2.041744 | 2.041744 | 2.041744 | 2.041744 | 2.041744 | 2.041744 | 2.041744 | 2.041744 | -1.150672 | -1.150672 | -0.925844 | -0.925844 | -2.293600 | -2.293600 | -2.982750 | -2.982750 | -0.556605 | -0.556605 | -1.729344 | -1.729344 | 1.698637 | 1.698637 | 1.379517 | 1.379517 | -0.138620 | -0.138620 | 1.813715 | 1.813715 | -0.465615 | -0.465615 | -3.895758 | -3.895758 | -1.044954 | -1.044954 | -4.916939 | -4.916939 | -1.125628 | -1.125628 | -1.541285 | -1.541285 | -0.428077 | -0.428077 | 0.839517 | 0.839517 | -5.768199 | -5.768199 | 0.415523 | 0.415523 | -0.010697 | -0.010697 | -1.411662 | -1.411662 | -0.573561 | -0.573561 | 3.893832 | 3.893832 |
| 0.026009 | 0.020577 | 0.407466 | 0.392617 | 0.565838 | 0.565838 | 0.565838 | 0.565838 | 0.565838 | 0.565838 | 0.565838 | 0.565838 | 0.565838 | 3.837427 | 3.837427 | 2.733816 | 2.733816 | 4.494406 | 4.494406 | -1.730451 | -1.730451 | 0.520368 | 0.520368 | -0.101388 | -0.101388 | -0.953448 | -0.953448 | -0.951735 | -0.951735 | -0.636161 | -0.636161 | -2.082912 | -2.082912 | -1.029352 | -1.029352 | -6.078107 | -6.078107 | 0.559661 | 0.559661 | 0.626381 | 0.626381 | -3.126387 | -3.126387 | -0.996321 | -0.996321 | 0.835904 | 0.835904 | 1.569030 | 1.569030 | -8.393660 | -8.393660 | -3.817745 | -3.817745 | -0.368708 | -0.368708 | -1.097030 | -1.097030 | 5.601594 | 5.601594 | 3.548109 | 3.548109 |
| 0.028829 | 0.020588 | 1.930324 | 2.244885 | 0.533448 | 0.533448 | 0.533448 | 0.533448 | 0.533448 | 0.533448 | 0.533448 | 0.533448 | 0.533448 | 0.812436 | 0.812436 | 1.934727 | 1.934727 | 4.641957 | 4.641957 | -0.855336 | -0.855336 | 0.668952 | 0.668952 | 2.982296 | 2.982296 | -0.189362 | -0.189362 | -0.858461 | -0.858461 | 2.625934 | 2.625934 | -1.123571 | -1.123571 | 0.166010 | 0.166010 | -0.979248 | -0.979248 | 2.055148 | 2.055148 | -2.516307 | -2.516307 | -1.539736 | -1.539736 | 1.990642 | 1.990642 | 1.627097 | 1.627097 | 1.302905 | 1.302905 | 0.303159 | 0.303159 | -6.364926 | -6.364926 | -3.241912 | -3.241912 | -12.067875 | -12.067875 | 2.259568 | 2.259568 | 1.365871 | 1.365871 |
| 0.031649 | 0.020598 | 0.797004 | 4.503114 | 7.952385 | 7.952385 | 7.952385 | 7.952385 | 7.952385 | 7.952385 | 7.952385 | 7.952385 | 7.952385 | -1.253888 | -1.253888 | -2.295792 | -2.295792 | 2.461989 | 2.461989 | -1.968337 | -1.968337 | 0.034557 | 0.034557 | -1.818163 | -1.818163 | 1.325639 | 1.325639 | -4.032617 | -4.032617 | 2.591384 | 2.591384 | -2.322588 | -2.322588 | -0.976481 | -0.976481 | -3.298857 | -3.298857 | 8.236631 | 8.236631 | -0.718980 | -0.718980 | 0.589983 | 0.589983 | 0.466565 | 0.466565 | -7.386537 | -7.386537 | 3.152541 | 3.152541 | 3.800545 | 3.800545 | 1.660065 | 1.660065 | 5.004119 | 5.004119 | -0.585555 | -0.585555 | -0.080384 | -0.080384 | -2.558804 | -2.558804 |
| 0.034469 | 0.020609 | 0.477920 | -0.527283 | 6.022655 | 6.022655 | 6.022655 | 6.022655 | 6.022655 | 6.022655 | 6.022655 | 6.022655 | 6.022655 | -7.794302 | -7.794302 | -1.016149 | -1.016149 | 1.013590 | 1.013590 | 2.723757 | 2.723757 | -2.615047 | -2.615047 | -0.414250 | -0.414250 | 0.245954 | 0.245954 | -0.412901 | -0.412901 | -8.824431 | -8.824431 | 2.664750 | 2.664750 | -0.089753 | -0.089753 | 1.021758 | 1.021758 | -5.812969 | -5.812969 | 2.907487 | 2.907487 | 1.593564 | 1.593564 | -0.885036 | -0.885036 | -11.729457 | -11.729457 | 2.216768 | 2.216768 | -1.502147 | -1.502147 | -7.497718 | -7.497718 | 1.031293 | 1.031293 | -1.445592 | -1.445592 | -4.472387 | -4.472387 | 6.062667 | 6.062667 |
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| 0.040109 | 0.02063 | -0.878667 | -3.018871 | 0.855068 | 0.855068 | 0.855068 | 0.855068 | 0.855068 | 0.855068 | 0.855068 | 0.855068 | 0.855068 | -3.575616 | -3.575616 | -0.737387 | -0.737387 | 3.274099 | 3.274099 | -0.100520 | -0.100520 | 0.510850 | 0.510850 | -0.011201 | -0.011201 | -1.147378 | -1.147378 | 0.836420 | 0.836420 | 0.956844 | 0.956844 | 2.428165 | 2.428165 | -1.418498 | -1.418498 | -3.493528 | -3.493528 | 5.902300 | 5.902300 | -1.354680 | -1.354680 | 0.227842 | 0.227842 | 2.033838 | 2.033838 | 4.807292 | 4.807292 | 2.783559 | 2.783559 | 2.817496 | 2.817496 | 5.199382 | 5.199382 | -4.377221 | -4.377221 | 2.441150 | 2.441150 | 4.941411 | 4.941411 | -2.102713 | -2.102713 |
| 0.042929 | 0.020641 | -0.070405 | 0.296709 | 1.028200 | 1.028200 | 1.028200 | 1.028200 | 1.028200 | 1.028200 | 1.028200 | 1.028200 | 1.028200 | -4.544068 | -4.544068 | -1.673131 | -1.673131 | 4.163853 | 4.163853 | -0.149774 | -0.149774 | -0.728577 | -0.728577 | 0.135671 | 0.135671 | 1.672740 | 1.672740 | 2.336358 | 2.336358 | -1.141035 | -1.141035 | 1.640036 | 1.640036 | 0.623614 | 0.623614 | -2.038562 | -2.038562 | -0.655169 | -0.655169 | -2.823560 | -2.823560 | 0.999555 | 0.999555 | 1.835717 | 1.835717 | 3.776015 | 3.776015 | 7.122803 | 7.122803 | -0.793498 | -0.793498 | 0.685177 | 0.685177 | -1.307400 | -1.307400 | 1.859454 | 1.859454 | 3.086141 | 3.086141 | -7.440563 | -7.440563 |
| 0.045748 | 0.020652 | 2.102558 | -0.594632 | -1.357394 | -1.357394 | -1.357394 | -1.357394 | -1.357394 | -1.357394 | -1.357394 | -1.357394 | -1.357394 | -2.260340 | -2.260340 | -0.679677 | -0.679677 | 0.062448 | 0.062448 | 0.129047 | 0.129047 | -0.609832 | -0.609832 | -1.308236 | -1.308236 | 4.802283 | 4.802283 | 0.227453 | 0.227453 | -0.389423 | -0.389423 | -0.605923 | -0.605923 | -0.283087 | -0.283087 | -2.302105 | -2.302105 | -4.822645 | -4.822645 | 0.047366 | 0.047366 | 1.231879 | 1.231879 | 0.882402 | 0.882402 | -9.975780 | -9.975780 | 1.832205 | 1.832205 | -2.785371 | -2.785371 | -2.078843 | -2.078843 | -3.828998 | -3.828998 | -2.330605 | -2.330605 | 2.272817 | 2.272817 | -2.504800 | -2.504800 |
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| 0.059848 | 0.020705 | -1.695949 | -0.322276 | 1.451492 | 1.451492 | 1.451492 | 1.451492 | 1.451492 | 1.451492 | 1.451492 | 1.451492 | 1.451492 | 1.134954 | 1.134954 | -0.288943 | -0.288943 | -3.730791 | -3.730791 | -1.253494 | -1.253494 | -0.876547 | -0.876547 | 1.030069 | 1.030069 | -0.612488 | -0.612488 | -0.526441 | -0.526441 | 0.281873 | 0.281873 | -0.149918 | -0.149918 | 1.217746 | 1.217746 | -0.350638 | -0.350638 | -4.858043 | -4.858043 | 4.674668 | 4.674668 | 7.487325 | 7.487325 | -1.756205 | -1.756205 | -1.266861 | -1.266861 | 3.272978 | 3.272978 | -0.808862 | -0.808862 | 4.026334 | 4.026334 | -3.202634 | -3.202634 | 1.749872 | 1.749872 | 1.390869 | 1.390869 | 0.007226 | 0.007226 |
| 0.062667 | 0.020715 | 0.357348 | 1.613798 | -0.527463 | -0.527463 | -0.527463 | -0.527463 | -0.527463 | -0.527463 | -0.527463 | -0.527463 | -0.527463 | -0.938134 | -0.938134 | 1.766311 | 1.766311 | 2.921032 | 2.921032 | -2.022645 | -2.022645 | 2.254463 | 2.254463 | -1.067607 | -1.067607 | 0.060593 | 0.060593 | 1.172124 | 1.172124 | 0.812698 | 0.812698 | -0.731013 | -0.731013 | 0.241359 | 0.241359 | -2.216193 | -2.216193 | 7.680857 | 7.680857 | -1.040813 | -1.040813 | 1.603094 | 1.603094 | -2.262555 | -2.262555 | 1.704597 | 1.704597 | 3.206346 | 3.206346 | -2.645754 | -2.645754 | 3.027684 | 3.027684 | -2.800261 | -2.800261 | 3.528128 | 3.528128 | 0.664884 | 0.664884 | -1.778441 | -1.778441 |
| 0.065487 | 0.020726 | -2.709727 | -1.537608 | -0.697047 | -0.697047 | -0.697047 | -0.697047 | -0.697047 | -0.697047 | -0.697047 | -0.697047 | -0.697047 | 2.647810 | 2.647810 | 0.357657 | 0.357657 | 0.593215 | 0.593215 | -0.919704 | -0.919704 | 3.016946 | 3.016946 | -1.965869 | -1.965869 | 0.082885 | 0.082885 | 2.352168 | 2.352168 | 3.555507 | 3.555507 | 0.444780 | 0.444780 | 0.560746 | 0.560746 | 1.195188 | 1.195188 | 10.274185 | 10.274185 | -7.064818 | -7.064818 | 3.039958 | 3.039958 | -2.824579 | -2.824579 | 3.880198 | 3.880198 | 6.150011 | 6.150011 | -1.912104 | -1.912104 | 1.105881 | 1.105881 | -0.158060 | -0.158060 | 0.525804 | 0.525804 | -0.379537 | -0.379537 | 2.090487 | 2.090487 |
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| 0.071127 | 0.020747 | 4.289965 | -1.284866 | 0.878027 | 0.878027 | 0.878027 | 0.878027 | 0.878027 | 0.878027 | 0.878027 | 0.878027 | 0.878027 | -0.614263 | -0.614263 | 2.790550 | 2.790550 | -2.193744 | -2.193744 | 0.641929 | 0.641929 | 1.445393 | 1.445393 | 1.856747 | 1.856747 | -0.562649 | -0.562649 | 1.295363 | 1.295363 | 0.370271 | 0.370271 | 1.737887 | 1.737887 | 0.470960 | 0.470960 | -2.292160 | -2.292160 | 4.560112 | 4.560112 | 1.798630 | 1.798630 | 3.438898 | 3.438898 | 7.497022 | 7.497022 | 0.658833 | 0.658833 | 3.533192 | 3.533192 | -0.189405 | -0.189405 | 2.236025 | 2.236025 | 6.342659 | 6.342659 | -3.857980 | -3.857980 | 2.334561 | 2.334561 | -0.963397 | -0.963397 |
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| 0.079587 | 0.020779 | 1.542851 | 1.703425 | 1.258742 | 1.258742 | 1.258742 | 1.258742 | 1.258742 | 1.258742 | 1.258742 | 1.258742 | 1.258742 | -2.415946 | -2.415946 | -1.213584 | -1.213584 | -0.818969 | -0.818969 | -2.000472 | -2.000472 | 0.575301 | 0.575301 | 0.275296 | 0.275296 | 1.649263 | 1.649263 | 1.537664 | 1.537664 | 0.427313 | 0.427313 | -2.088565 | -2.088565 | -2.184238 | -2.184238 | -1.002418 | -1.002418 | 8.205118 | 8.205118 | -0.034227 | -0.034227 | 1.236921 | 1.236921 | -2.866447 | -2.866447 | -0.152259 | -0.152259 | -1.075819 | -1.075819 | -2.258133 | -2.258133 | -0.785192 | -0.785192 | 5.660510 | 5.660510 | 5.732548 | 5.732548 | 1.658786 | 1.658786 | -1.457723 | -1.457723 |
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| 0.104965 | 0.020874 | 1.554308 | 1.126875 | 1.803707 | 1.803707 | 1.803707 | 1.803707 | 1.803707 | 1.803707 | 1.803707 | 1.803707 | 1.803707 | -1.156677 | -1.156677 | -0.030019 | -0.030019 | 2.527976 | 2.527976 | -0.809840 | -0.809840 | -2.153006 | -2.153006 | 0.195394 | 0.195394 | 1.492261 | 1.492261 | -0.872121 | -0.872121 | -5.760933 | -5.760933 | -3.898782 | -3.898782 | -1.185783 | -1.185783 | -3.275298 | -3.275298 | 0.320383 | 0.320383 | -1.629163 | -1.629163 | 4.924573 | 4.924573 | 3.023704 | 3.023704 | 0.008357 | 0.008357 | 4.184343 | 4.184343 | -3.130872 | -3.130872 | 4.766229 | 4.766229 | 5.745859 | 5.745859 | -0.186552 | -0.186552 | 0.094859 | 0.094859 | -0.766757 | -0.766757 |
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| 0.116245 | 0.020917 | 0.978354 | -2.462571 | 0.422917 | 0.422917 | 0.422917 | 0.422917 | 0.422917 | 0.422917 | 0.422917 | 0.422917 | 0.422917 | 1.711783 | 1.711783 | -1.006465 | -1.006465 | 0.458414 | 0.458414 | 1.520121 | 1.520121 | -0.165995 | -0.165995 | 0.774579 | 0.774579 | 1.059871 | 1.059871 | 4.570008 | 4.570008 | 1.070738 | 1.070738 | 6.504598 | 6.504598 | -1.200738 | -1.200738 | 4.784601 | 4.784601 | 1.093013 | 1.093013 | -1.390535 | -1.390535 | 1.260555 | 1.260555 | 0.930767 | 0.930767 | 3.821587 | 3.821587 | 1.890343 | 1.890343 | -1.328702 | -1.328702 | -1.502058 | -1.502058 | 0.690074 | 0.690074 | 1.958862 | 1.958862 | 5.219887 | 5.219887 | 0.586872 | 0.586872 |
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| 0.121884 | 0.020938 | -1.670688 | -0.915250 | -1.728847 | -1.728847 | -1.728847 | -1.728847 | -1.728847 | -1.728847 | -1.728847 | -1.728847 | -1.728847 | -0.244183 | -0.244183 | 0.953206 | 0.953206 | -1.241781 | -1.241781 | -0.529137 | -0.529137 | -0.724163 | -0.724163 | 0.655755 | 0.655755 | 1.385953 | 1.385953 | 1.880456 | 1.880456 | 0.856725 | 0.856725 | -5.782098 | -5.782098 | 0.820629 | 0.820629 | -2.549289 | -2.549289 | -7.446410 | -7.446410 | -0.255736 | -0.255736 | 2.390824 | 2.390824 | 4.544239 | 4.544239 | 2.135210 | 2.135210 | -0.316120 | -0.316120 | 2.174893 | 2.174893 | 0.708652 | 0.708652 | 1.981989 | 1.981989 | -0.812250 | -0.812250 | 2.277339 | 2.277339 | -4.141681 | -4.141681 |
| 0.124704 | 0.020949 | -1.615686 | 1.316801 | 2.021508 | 2.021508 | 2.021508 | 2.021508 | 2.021508 | 2.021508 | 2.021508 | 2.021508 | 2.021508 | 1.498736 | 1.498736 | 2.739389 | 2.739389 | 2.089867 | 2.089867 | 1.090569 | 1.090569 | 0.199240 | 0.199240 | 0.949538 | 0.949538 | 0.306765 | 0.306765 | 0.864974 | 0.864974 | 2.819951 | 2.819951 | 0.200526 | 0.200526 | -0.354288 | -0.354288 | -1.558008 | -1.558008 | -4.173279 | -4.173279 | -2.325950 | -2.325950 | 5.092795 | 5.092795 | 0.186283 | 0.186283 | 4.221997 | 4.221997 | 0.002956 | 0.002956 | 2.424919 | 2.424919 | 0.240334 | 0.240334 | 0.230738 | 0.230738 | 1.229551 | 1.229551 | -1.765706 | -1.765706 | -6.728626 | -6.728626 |
| 0.127524 | 0.020959 | 1.944041 | -0.081504 | -5.272872 | -5.272872 | -5.272872 | -5.272872 | -5.272872 | -5.272872 | -5.272872 | -5.272872 | -5.272872 | -0.518460 | -0.518460 | 1.404747 | 1.404747 | 3.734329 | 3.734329 | 1.886817 | 1.886817 | 0.787020 | 0.787020 | 1.288798 | 1.288798 | 7.327374 | 7.327374 | 3.732018 | 3.732018 | 2.324677 | 2.324677 | -0.152945 | -0.152945 | 0.665962 | 0.665962 | 1.115998 | 1.115998 | -0.450781 | -0.450781 | -0.400179 | -0.400179 | 1.947388 | 1.947388 | 1.240000 | 1.240000 | 4.037691 | 4.037691 | -1.093709 | -1.093709 | -0.238713 | -0.238713 | -4.578781 | -4.578781 | 6.071902 | 6.071902 | -2.079603 | -2.079603 | 3.499863 | 3.499863 | 2.641203 | 2.641203 |
| 0.130344 | 0.02097 | 1.101424 | 3.988548 | -3.577104 | -3.577104 | -3.577104 | -3.577104 | -3.577104 | -3.577104 | -3.577104 | -3.577104 | -3.577104 | -2.325940 | -2.325940 | 1.438484 | 1.438484 | -1.849617 | -1.849617 | 2.798175 | 2.798175 | 1.143816 | 1.143816 | 0.776256 | 0.776256 | -0.995063 | -0.995063 | 2.607014 | 2.607014 | -0.576778 | -0.576778 | -1.126753 | -1.126753 | 1.474044 | 1.474044 | 0.008310 | 0.008310 | 3.119678 | 3.119678 | 1.430231 | 1.430231 | -1.191591 | -1.191591 | 0.343997 | 0.343997 | 0.202583 | 0.202583 | -4.856137 | -4.856137 | -2.014282 | -2.014282 | -0.390701 | -0.390701 | 1.873390 | 1.873390 | 0.091228 | 0.091228 | 4.341942 | 4.341942 | 0.138719 | 0.138719 |
| 0.13286 | 0.021283 | 0.396468 | 3.670038 | -0.106461 | -0.106461 | -0.106461 | -0.106461 | -0.106461 | -0.106461 | -0.106461 | -0.106461 | -0.106461 | -2.433317 | -2.433317 | -0.360998 | -0.360998 | -0.248918 | -0.248918 | 1.740432 | 1.740432 | 5.119534 | 5.119534 | 2.772450 | 2.772450 | 2.458339 | 2.458339 | 1.461170 | 1.461170 | 3.248430 | 3.248430 | 0.388692 | 0.388692 | 0.898792 | 0.898792 | -4.074701 | -4.074701 | 2.165392 | 2.165392 | -2.537985 | -2.537985 | -0.320521 | -0.320521 | -1.804124 | -1.804124 | -4.473132 | -4.473132 | -4.172275 | -4.172275 | -5.228849 | -5.228849 | 0.454854 | 0.454854 | -4.621773 | -4.621773 | -2.157294 | -2.157294 | -4.018972 | -4.018972 | -2.694320 | -2.694320 |
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| 0.132848 | 0.026923 | 1.221772 | -0.986401 | 0.196065 | 0.196065 | 0.196065 | 0.196065 | 0.196065 | 0.196065 | 0.196065 | 0.196065 | 0.196065 | -0.908336 | -0.908336 | -4.381647 | -4.381647 | 1.258431 | 1.258431 | 4.729062 | 4.729062 | 3.912836 | 3.912836 | -0.400234 | -0.400234 | -1.426056 | -1.426056 | -0.498981 | -0.498981 | -2.424221 | -2.424221 | -0.854667 | -0.854667 | 0.885455 | 0.885455 | -0.946669 | -0.946669 | -2.733581 | -2.733581 | -1.943288 | -1.943288 | 0.791719 | 0.791719 | -3.095776 | -3.095776 | 6.641893 | 6.641893 | 1.842451 | 1.842451 | -1.876751 | -1.876751 | -3.297355 | -3.297355 | 2.493792 | 2.493792 | 0.283011 | 0.283011 | -1.462799 | -1.462799 | -0.506485 | -0.506485 |
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| 0.132836 | 0.032562 | 0.394341 | 1.006074 | 0.104090 | 0.104090 | 0.104090 | 0.104090 | 0.104090 | 0.104090 | 0.104090 | 0.104090 | 0.104090 | -2.064910 | -2.064910 | 0.248401 | 0.248401 | 6.397233 | 6.397233 | 2.091646 | 2.091646 | -0.858221 | -0.858221 | 1.125159 | 1.125159 | -3.410941 | -3.410941 | -0.138650 | -0.138650 | -0.063468 | -0.063468 | 6.896378 | 6.896378 | 1.277797 | 1.277797 | -0.604811 | -0.604811 | 5.272444 | 5.272444 | 1.976680 | 1.976680 | 1.995560 | 1.995560 | 1.801989 | 1.801989 | 0.325561 | 0.325561 | 0.357061 | 0.357061 | -0.669381 | -0.669381 | -1.460087 | -1.460087 | -2.968538 | -2.968538 | -0.043296 | -0.043296 | 10.038168 | 10.038168 | -2.493456 | -2.493456 |
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| 0.132819 | 0.041022 | 1.690364 | 0.519976 | 1.784211 | 1.784211 | 1.784211 | 1.784211 | 1.784211 | 1.784211 | 1.784211 | 1.784211 | 1.784211 | -3.034230 | -3.034230 | -1.091428 | -1.091428 | 0.756355 | 0.756355 | -1.793817 | -1.793817 | 0.546325 | 0.546325 | 1.133312 | 1.133312 | -1.811988 | -1.811988 | -1.078597 | -1.078597 | -0.406130 | -0.406130 | 0.372727 | 0.372727 | 3.516932 | 3.516932 | 0.146903 | 0.146903 | 1.841434 | 1.841434 | 1.319213 | 1.319213 | 4.803593 | 4.803593 | 0.837266 | 0.837266 | 0.972947 | 0.972947 | 0.004410 | 0.004410 | -2.059828 | -2.059828 | 0.341094 | 0.341094 | -0.146093 | -0.146093 | 2.820240 | 2.820240 | -1.719833 | -1.719833 | 2.299652 | 2.299652 |
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| 0.132807 | 0.046662 | 2.163290 | 0.545800 | 4.118921 | 4.118921 | 4.118921 | 4.118921 | 4.118921 | 4.118921 | 4.118921 | 4.118921 | 4.118921 | 4.991685 | 4.991685 | 3.196212 | 3.196212 | -0.390365 | -0.390365 | -1.054792 | -1.054792 | 1.574161 | 1.574161 | 2.641098 | 2.641098 | 8.648844 | 8.648844 | -0.283541 | -0.283541 | -0.383143 | -0.383143 | 1.680206 | 1.680206 | 3.402492 | 3.402492 | 2.195722 | 2.195722 | 0.433159 | 0.433159 | 4.291556 | 4.291556 | -0.769924 | -0.769924 | 1.591307 | 1.591307 | -5.329139 | -5.329139 | 0.193249 | 0.193249 | -0.536355 | -0.536355 | 0.437026 | 0.437026 | -0.225809 | -0.225809 | 1.605040 | 1.605040 | 1.501611 | 1.501611 | -5.179440 | -5.179440 |
| 0.132801 | 0.049481 | 1.529612 | 3.941282 | 0.542352 | 0.542352 | 0.542352 | 0.542352 | 0.542352 | 0.542352 | 0.542352 | 0.542352 | 0.542352 | 5.281919 | 5.281919 | 4.696205 | 4.696205 | 1.142467 | 1.142467 | -0.818924 | -0.818924 | 0.709094 | 0.709094 | 8.562546 | 8.562546 | 6.278920 | 6.278920 | 0.338348 | 0.338348 | -1.268492 | -1.268492 | -5.175355 | -5.175355 | 0.775572 | 0.775572 | 0.746865 | 0.746865 | -1.957514 | -1.957514 | -0.624196 | -0.624196 | -1.482649 | -1.482649 | 2.091891 | 2.091891 | -3.344064 | -3.344064 | 1.191641 | 1.191641 | 3.357271 | 3.357271 | 9.604283 | 9.604283 | 4.977815 | 4.977815 | 0.592089 | 0.592089 | -3.740544 | -3.740544 | 2.374625 | 2.374625 |
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| 0.132784 | 0.057941 | 0.677849 | 3.750212 | 0.920803 | 0.920803 | 0.920803 | 0.920803 | 0.920803 | 0.920803 | 0.920803 | 0.920803 | 0.920803 | -0.405086 | -0.405086 | 0.731508 | 0.731508 | -1.938432 | -1.938432 | -0.237410 | -0.237410 | -2.275011 | -2.275011 | -0.763185 | -0.763185 | 0.134259 | 0.134259 | 0.308616 | 0.308616 | 0.120549 | 0.120549 | -3.177312 | -3.177312 | 0.961510 | 0.961510 | 1.129321 | 1.129321 | -0.423221 | -0.423221 | -1.677388 | -1.677388 | -0.380619 | -0.380619 | 1.345560 | 1.345560 | -2.414588 | -2.414588 | 1.266065 | 1.266065 | 8.364449 | 8.364449 | -1.512466 | -1.512466 | 1.248187 | 1.248187 | -2.314765 | -2.314765 | -3.830491 | -3.830491 | -1.958064 | -1.958064 |
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| 0.132772 | 0.063581 | -0.617287 | -1.375242 | -0.139807 | -0.139807 | -0.139807 | -0.139807 | -0.139807 | -0.139807 | -0.139807 | -0.139807 | -0.139807 | -1.967145 | -1.967145 | -1.947618 | -1.947618 | 0.874122 | 0.874122 | -1.944540 | -1.944540 | -1.385622 | -1.385622 | 0.381588 | 0.381588 | -5.017941 | -5.017941 | -0.535164 | -0.535164 | 0.424307 | 0.424307 | 3.384114 | 3.384114 | -1.057819 | -1.057819 | -2.876914 | -2.876914 | -0.426205 | -0.426205 | 0.978506 | 0.978506 | 1.405525 | 1.405525 | 1.479691 | 1.479691 | -1.493404 | -1.493404 | -1.195492 | -1.195492 | 0.812197 | 0.812197 | -1.684176 | -1.684176 | 0.716938 | 0.716938 | 1.988228 | 1.988228 | -1.654787 | -1.654787 | -0.436100 | -0.436100 |
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| 0.13276 | 0.069221 | -0.505686 | 2.149369 | 1.497457 | 1.497457 | 1.497457 | 1.497457 | 1.497457 | 1.497457 | 1.497457 | 1.497457 | 1.497457 | 0.059915 | 0.059915 | -0.678913 | -0.678913 | 1.376677 | 1.376677 | 2.813920 | 2.813920 | 0.245328 | 0.245328 | -0.043230 | -0.043230 | 1.282158 | 1.282158 | 1.195739 | 1.195739 | 0.795180 | 0.795180 | -1.074042 | -1.074042 | -0.213788 | -0.213788 | 4.190452 | 4.190452 | -1.887518 | -1.887518 | 1.620975 | 1.620975 | -1.540507 | -1.540507 | 2.934245 | 2.934245 | -0.111194 | -0.111194 | 0.745061 | 0.745061 | -0.996060 | -0.996060 | 1.693654 | 1.693654 | 1.851823 | 1.851823 | 0.215248 | 0.215248 | 2.577822 | 2.577822 | -2.573019 | -2.573019 |
| 0.132754 | 0.07204 | 2.554097 | -0.924984 | 0.257038 | 0.257038 | 0.257038 | 0.257038 | 0.257038 | 0.257038 | 0.257038 | 0.257038 | 0.257038 | -7.217002 | -7.217002 | -2.089880 | -2.089880 | 1.950000 | 1.950000 | 0.604087 | 0.604087 | -0.163964 | -0.163964 | 2.012805 | 2.012805 | 3.573989 | 3.573989 | 1.354898 | 1.354898 | -3.620696 | -3.620696 | -1.126251 | -1.126251 | -0.320349 | -0.320349 | 2.824197 | 2.824197 | -0.031286 | -0.031286 | 4.657389 | 4.657389 | -2.078623 | -2.078623 | -3.222199 | -3.222199 | 3.577790 | 3.577790 | 0.855017 | 0.855017 | -0.267905 | -0.267905 | 4.508882 | 4.508882 | -0.282176 | -0.282176 | -2.985835 | -2.985835 | -1.088418 | -1.088418 | -2.651946 | -2.651946 |
| 0.132748 | 0.07486 | 0.041755 | 1.037363 | 1.613760 | 1.613760 | 1.613760 | 1.613760 | 1.613760 | 1.613760 | 1.613760 | 1.613760 | 1.613760 | 3.213998 | 3.213998 | -0.127610 | -0.127610 | -1.178806 | -1.178806 | 0.351164 | 0.351164 | 1.646474 | 1.646474 | 1.278400 | 1.278400 | 2.885875 | 2.885875 | 5.458481 | 5.458481 | -0.661262 | -0.661262 | -0.707606 | -0.707606 | 1.281471 | 1.281471 | -1.655919 | -1.655919 | 1.589819 | 1.589819 | -0.177937 | -0.177937 | 2.600150 | 2.600150 | -3.169106 | -3.169106 | -1.303437 | -1.303437 | 0.675300 | 0.675300 | -3.621020 | -3.621020 | 1.024247 | 1.024247 | -0.547211 | -0.547211 | -1.924162 | -1.924162 | 1.389413 | 1.389413 | -0.614486 | -0.614486 |
| 0.132742 | 0.07768 | 0.958146 | 1.327518 | 1.340241 | 1.340241 | 1.340241 | 1.340241 | 1.340241 | 1.340241 | 1.340241 | 1.340241 | 1.340241 | 2.773527 | 2.773527 | 0.638332 | 0.638332 | 2.334414 | 2.334414 | -0.888840 | -0.888840 | -1.344229 | -1.344229 | -0.210613 | -0.210613 | -0.605753 | -0.605753 | 2.652353 | 2.652353 | 0.929352 | 0.929352 | -1.406434 | -1.406434 | 0.437262 | 0.437262 | 1.085876 | 1.085876 | 2.927958 | 2.927958 | 1.161683 | 1.161683 | 0.668138 | 0.668138 | -0.237851 | -0.237851 | -1.805899 | -1.805899 | -1.293675 | -1.293675 | 5.810527 | 5.810527 | -2.053265 | -2.053265 | 0.603893 | 0.603893 | -0.893020 | -0.893020 | 0.615242 | 0.615242 | -0.022974 | -0.022974 |
| 0.132737 | 0.0805 | 0.241511 | -0.576318 | -1.298140 | -1.298140 | -1.298140 | -1.298140 | -1.298140 | -1.298140 | -1.298140 | -1.298140 | -1.298140 | 2.442949 | 2.442949 | 2.159032 | 2.159032 | 1.702925 | 1.702925 | -0.949073 | -0.949073 | -0.900178 | -0.900178 | 0.040022 | 0.040022 | 1.735757 | 1.735757 | 5.423414 | 5.423414 | -0.040415 | -0.040415 | 1.774459 | 1.774459 | 1.416130 | 1.416130 | 2.463885 | 2.463885 | 3.380742 | 3.380742 | -2.899977 | -2.899977 | -1.317070 | -1.317070 | 3.290763 | 3.290763 | -4.973415 | -4.973415 | -4.660467 | -4.660467 | 1.467234 | 1.467234 | 1.321782 | 1.321782 | 0.755404 | 0.755404 | 4.305847 | 4.305847 | 1.850688 | 1.850688 | 0.792858 | 0.792858 |
| 0.132731 | 0.08332 | 2.108414 | -1.867912 | -4.683947 | -4.683947 | -4.683947 | -4.683947 | -4.683947 | -4.683947 | -4.683947 | -4.683947 | -4.683947 | -0.536530 | -0.536530 | -2.068309 | -2.068309 | -1.871700 | -1.871700 | 1.419298 | 1.419298 | 0.610395 | 0.610395 | -1.388453 | -1.388453 | 3.459950 | 3.459950 | 3.112076 | 3.112076 | 2.410836 | 2.410836 | 0.771234 | 0.771234 | 0.839359 | 0.839359 | 1.231233 | 1.231233 | 1.622971 | 1.622971 | 4.594143 | 4.594143 | -0.943670 | -0.943670 | -1.834835 | -1.834835 | 1.057290 | 1.057290 | 1.814274 | 1.814274 | 0.634820 | 0.634820 | 1.021865 | 1.021865 | 4.409880 | 4.409880 | -0.620942 | -0.620942 | 1.024917 | 1.024917 | 2.484912 | 2.484912 |
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| 0.132707 | 0.094599 | 2.073889 | -2.086536 | 2.632365 | 2.632365 | 2.632365 | 2.632365 | 2.632365 | 2.632365 | 2.632365 | 2.632365 | 2.632365 | 0.751874 | 0.751874 | -0.869437 | -0.869437 | -1.417094 | -1.417094 | 0.127695 | 0.127695 | 1.429034 | 1.429034 | -0.431056 | -0.431056 | -1.561068 | -1.561068 | 1.074399 | 1.074399 | 1.184960 | 1.184960 | -2.527777 | -2.527777 | 0.084912 | 0.084912 | 4.780868 | 4.780868 | -5.167824 | -5.167824 | -1.154860 | -1.154860 | 0.223794 | 0.223794 | 0.047214 | 0.047214 | -4.184744 | -4.184744 | 1.664127 | 1.664127 | 3.299026 | 3.299026 | 4.138696 | 4.138696 | -1.102440 | -1.102440 | 0.638884 | 0.638884 | -4.388135 | -4.388135 | -1.603766 | -1.603766 |
| 0.130263 | 0.094983 | -1.055449 | 1.969231 | 1.635318 | 1.635318 | 1.635318 | 1.635318 | 1.635318 | 1.635318 | 1.635318 | 1.635318 | 1.635318 | 3.423622 | 3.423622 | 0.913858 | 0.913858 | -0.907634 | -0.907634 | -0.225021 | -0.225021 | 1.421517 | 1.421517 | 1.130564 | 1.130564 | 0.011642 | 0.011642 | -1.497663 | -1.497663 | 0.314063 | 0.314063 | -0.563226 | -0.563226 | -0.024537 | -0.024537 | 4.494083 | 4.494083 | -2.839516 | -2.839516 | 1.304944 | 1.304944 | 0.310591 | 0.310591 | -0.340910 | -0.340910 | -1.964270 | -1.964270 | -0.111592 | -0.111592 | 2.046918 | 2.046918 | 1.288219 | 1.288219 | 0.193391 | 0.193391 | -0.441759 | -0.441759 | -2.142155 | -2.142155 | -2.957936 | -2.957936 |
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| 0.113344 | 0.09503 | -1.332140 | 2.580923 | 1.496912 | 1.496912 | 1.496912 | 1.496912 | 1.496912 | 1.496912 | 1.496912 | 1.496912 | 1.496912 | -0.045331 | -0.045331 | 1.487142 | 1.487142 | 0.560295 | 0.560295 | -0.193396 | -0.193396 | -1.875490 | -1.875490 | 1.038932 | 1.038932 | 2.836915 | 2.836915 | 3.052517 | 3.052517 | 0.702661 | 0.702661 | -3.839841 | -3.839841 | 1.030862 | 1.030862 | 3.670139 | 3.670139 | -2.727132 | -2.727132 | -1.706566 | -1.706566 | 4.770750 | 4.770750 | 1.320865 | 1.320865 | -0.923917 | -0.923917 | -1.395751 | -1.395751 | 0.833516 | 0.833516 | -0.288642 | -0.288642 | 1.106642 | 1.106642 | 0.334609 | 0.334609 | -5.187537 | -5.187537 | -0.413355 | -0.413355 |
| 0.110524 | 0.095038 | -3.755418 | 4.248460 | -0.357019 | -0.357019 | -0.357019 | -0.357019 | -0.357019 | -0.357019 | -0.357019 | -0.357019 | -0.357019 | 0.784070 | 0.784070 | -1.823163 | -1.823163 | 0.635945 | 0.635945 | -0.948712 | -0.948712 | 1.880127 | 1.880127 | -1.877701 | -1.877701 | 6.220566 | 6.220566 | 2.854455 | 2.854455 | 0.184427 | 0.184427 | 1.993084 | 1.993084 | 2.193625 | 2.193625 | 1.203261 | 1.203261 | 0.779959 | 0.779959 | 2.986735 | 2.986735 | 3.394306 | 3.394306 | 1.708190 | 1.708190 | -0.330796 | -0.330796 | 1.526978 | 1.526978 | 1.566835 | 1.566835 | -1.951885 | -1.951885 | -0.142919 | -0.142919 | 3.123664 | 3.123664 | -1.171106 | -1.171106 | 5.340879 | 5.340879 |
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| 0.104884 | 0.095053 | -4.261066 | 1.724642 | -0.098424 | -0.098424 | -0.098424 | -0.098424 | -0.098424 | -0.098424 | -0.098424 | -0.098424 | -0.098424 | 1.034035 | 1.034035 | 1.885700 | 1.885700 | 1.688140 | 1.688140 | -0.228715 | -0.228715 | -4.248374 | -4.248374 | 8.501306 | 8.501306 | -0.625149 | -0.625149 | -0.197284 | -0.197284 | 2.990927 | 2.990927 | 3.291400 | 3.291400 | -0.512411 | -0.512411 | -2.803686 | -2.803686 | -0.989003 | -0.989003 | -0.398953 | -0.398953 | -1.731471 | -1.731471 | 2.397428 | 2.397428 | 1.663209 | 1.663209 | -0.636978 | -0.636978 | -2.231864 | -2.231864 | -1.890005 | -1.890005 | 4.488197 | 4.488197 | -3.194853 | -3.194853 | 0.259063 | 0.259063 | -2.662328 | -2.662328 |
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| 0.096425 | 0.095077 | 4.268011 | -2.404639 | 2.775203 | 2.775203 | 2.775203 | 2.775203 | 2.775203 | 2.775203 | 2.775203 | 2.775203 | 2.775203 | -3.774897 | -3.774897 | 0.922779 | 0.922779 | -1.560938 | -1.560938 | -3.095140 | -3.095140 | 1.602604 | 1.602604 | -1.834030 | -1.834030 | -2.464324 | -2.464324 | 0.765023 | 0.765023 | -0.005341 | -0.005341 | -2.083743 | -2.083743 | 0.076677 | 0.076677 | 1.327299 | 1.327299 | 0.774897 | 0.774897 | 0.709776 | 0.709776 | -0.006832 | -0.006832 | 2.930703 | 2.930703 | 2.294499 | 2.294499 | 0.938176 | 0.938176 | 10.811386 | 10.811386 | -4.934859 | -4.934859 | -1.277639 | -1.277639 | 1.249395 | 1.249395 | 1.179534 | 1.179534 | -2.620509 | -2.620509 |
| 0.093605 | 0.095085 | 0.962575 | 2.760247 | 3.539505 | 3.539505 | 3.539505 | 3.539505 | 3.539505 | 3.539505 | 3.539505 | 3.539505 | 3.539505 | -3.769930 | -3.769930 | -4.602740 | -4.602740 | -0.640805 | -0.640805 | -0.698738 | -0.698738 | -2.525582 | -2.525582 | 0.853826 | 0.853826 | 0.958132 | 0.958132 | 1.099641 | 1.099641 | 2.706721 | 2.706721 | -7.906275 | -7.906275 | 2.841672 | 2.841672 | 3.657375 | 3.657375 | 1.909519 | 1.909519 | 1.308227 | 1.308227 | 1.923626 | 1.923626 | -0.306566 | -0.306566 | -5.192938 | -5.192938 | 0.448535 | 0.448535 | 2.177422 | 2.177422 | -12.139980 | -12.139980 | -1.526946 | -1.526946 | 1.303948 | 1.303948 | 2.881612 | 2.881612 | -1.677040 | -1.677040 |
| 0.090785 | 0.095093 | -2.447090 | 0.572213 | 2.879592 | 2.879592 | 2.879592 | 2.879592 | 2.879592 | 2.879592 | 2.879592 | 2.879592 | 2.879592 | -0.253659 | -0.253659 | -4.594628 | -4.594628 | -2.088362 | -2.088362 | 0.677491 | 0.677491 | -1.467686 | -1.467686 | 0.332705 | 0.332705 | 0.363885 | 0.363885 | -0.891889 | -0.891889 | 5.004573 | 5.004573 | -0.881341 | -0.881341 | 6.880666 | 6.880666 | -4.240542 | -4.240542 | 4.081458 | 4.081458 | 1.090967 | 1.090967 | -2.751339 | -2.751339 | -3.582249 | -3.582249 | -4.855534 | -4.855534 | 3.216916 | 3.216916 | 1.455437 | 1.455437 | -4.439112 | -4.439112 | -6.693396 | -6.693396 | 5.069925 | 5.069925 | -0.844716 | -0.844716 | 2.507177 | 2.507177 |
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| 0.071046 | 0.095148 | -0.409901 | -1.227524 | 1.446883 | 1.446883 | 1.446883 | 1.446883 | 1.446883 | 1.446883 | 1.446883 | 1.446883 | 1.446883 | 0.016507 | 0.016507 | 2.060943 | 2.060943 | 3.631853 | 3.631853 | 1.838968 | 1.838968 | -0.653623 | -0.653623 | -0.769600 | -0.769600 | -0.721777 | -0.721777 | 0.258303 | 0.258303 | 0.885478 | 0.885478 | -6.090848 | -6.090848 | -0.729843 | -0.729843 | 4.196215 | 4.196215 | -0.024622 | -0.024622 | 1.439628 | 1.439628 | 4.519743 | 4.519743 | -5.642896 | -5.642896 | 3.896522 | 3.896522 | -2.723642 | -2.723642 | 4.221573 | 4.221573 | 1.376223 | 1.376223 | -0.312561 | -0.312561 | 2.838863 | 2.838863 | 9.507778 | 9.507778 | -1.632330 | -1.632330 |
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| 0.062586 | 0.095171 | -5.021651 | 1.395482 | 3.737144 | 3.737144 | 3.737144 | 3.737144 | 3.737144 | 3.737144 | 3.737144 | 3.737144 | 3.737144 | -1.896191 | -1.896191 | -0.606754 | -0.606754 | -0.342252 | -0.342252 | -1.146294 | -1.146294 | 4.548471 | 4.548471 | -0.968048 | -0.968048 | 0.389029 | 0.389029 | 3.193298 | 3.193298 | -0.338462 | -0.338462 | -2.470710 | -2.470710 | -2.955950 | -2.955950 | 0.948444 | 0.948444 | -0.832780 | -0.832780 | 4.544607 | 4.544607 | -1.715716 | -1.715716 | -2.222354 | -2.222354 | 5.579776 | 5.579776 | 2.252855 | 2.252855 | 2.254476 | 2.254476 | -2.071334 | -2.071334 | 2.803225 | 2.803225 | 0.227830 | 0.227830 | -6.557245 | -6.557245 | 5.664986 | 5.664986 |
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| 0.056947 | 0.095187 | 4.075741 | -6.615249 | -0.016238 | -0.016238 | -0.016238 | -0.016238 | -0.016238 | -0.016238 | -0.016238 | -0.016238 | -0.016238 | 10.314479 | 10.314479 | 1.397858 | 1.397858 | 0.325831 | 0.325831 | 6.953006 | 6.953006 | 1.996865 | 1.996865 | 3.316998 | 3.316998 | 3.657202 | 3.657202 | 2.652874 | 2.652874 | 0.495015 | 0.495015 | -2.901051 | -2.901051 | -0.874154 | -0.874154 | -0.036126 | -0.036126 | 2.647382 | 2.647382 | -3.182092 | -3.182092 | 1.262307 | 1.262307 | 3.806102 | 3.806102 | -9.922453 | -9.922453 | -3.702354 | -3.702354 | 3.345832 | 3.345832 | 2.307062 | 2.307062 | 3.384411 | 3.384411 | 6.618688 | 6.618688 | 5.703127 | 5.703127 | -6.053029 | -6.053029 |
| 0.054127 | 0.095195 | 3.073869 | 1.613072 | -5.727067 | -5.727067 | -5.727067 | -5.727067 | -5.727067 | -5.727067 | -5.727067 | -5.727067 | -5.727067 | -1.245704 | -1.245704 | 5.375398 | 5.375398 | 0.519634 | 0.519634 | -1.965383 | -1.965383 | -2.206041 | -2.206041 | 0.538967 | 0.538967 | 8.642266 | 8.642266 | 1.421968 | 1.421968 | -0.313657 | -0.313657 | -2.828428 | -2.828428 | 6.707058 | 6.707058 | 0.679287 | 0.679287 | -1.695873 | -1.695873 | 2.448944 | 2.448944 | -1.311557 | -1.311557 | 11.135485 | 11.135485 | -3.095138 | -3.095138 | -0.530229 | -0.530229 | -2.104424 | -2.104424 | 2.220440 | 2.220440 | 2.581481 | 2.581481 | 6.991900 | 6.991900 | -0.897844 | -0.897844 | -1.471499 | -1.471499 |
| 0.051307 | 0.095203 | 2.222791 | 6.213493 | -0.428823 | -0.428823 | -0.428823 | -0.428823 | -0.428823 | -0.428823 | -0.428823 | -0.428823 | -0.428823 | -0.307074 | -0.307074 | 0.939555 | 0.939555 | -4.355938 | -4.355938 | -0.466255 | -0.466255 | 0.083699 | 0.083699 | -0.173072 | -0.173072 | 1.752024 | 1.752024 | 4.718176 | 4.718176 | -1.805943 | -1.805943 | 3.048596 | 3.048596 | 3.355770 | 3.355770 | 3.450070 | 3.450070 | 3.392567 | 3.392567 | 5.704667 | 5.704667 | 2.813167 | 2.813167 | 5.565777 | 5.565777 | -1.061891 | -1.061891 | 1.598289 | 1.598289 | -4.332285 | -4.332285 | 3.343109 | 3.343109 | -2.400569 | -2.400569 | 3.543017 | 3.543017 | -1.094653 | -1.094653 | 2.002727 | 2.002727 |
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| 0.045667 | 0.095219 | -8.660884 | 6.706579 | 3.876772 | 3.876772 | 3.876772 | 3.876772 | 3.876772 | 3.876772 | 3.876772 | 3.876772 | 3.876772 | 1.319747 | 1.319747 | -2.479381 | -2.479381 | 3.621356 | 3.621356 | 6.097514 | 6.097514 | 1.025534 | 1.025534 | -0.605300 | -0.605300 | -3.559539 | -3.559539 | 2.474028 | 2.474028 | 3.428652 | 3.428652 | -3.093022 | -3.093022 | -3.235819 | -3.235819 | 7.194968 | 7.194968 | -1.315442 | -1.315442 | 8.757484 | 8.757484 | -5.052084 | -5.052084 | 3.011775 | 3.011775 | 2.706385 | 2.706385 | -1.597740 | -1.597740 | 1.584911 | 1.584911 | -0.524459 | -0.524459 | -1.278613 | -1.278613 | -1.941026 | -1.941026 | -3.430869 | -3.430869 | 10.066320 | 10.066320 |
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| 0.040027 | 0.095234 | 11.981703 | -2.766524 | 0.211469 | 0.211469 | 0.211469 | 0.211469 | 0.211469 | 0.211469 | 0.211469 | 0.211469 | 0.211469 | 1.897503 | 1.897503 | -4.102163 | -4.102163 | 4.747729 | 4.747729 | -1.535042 | -1.535042 | -0.224612 | -0.224612 | 2.998492 | 2.998492 | 5.847425 | 5.847425 | -0.915622 | -0.915622 | -1.860883 | -1.860883 | -6.379000 | -6.379000 | 5.277895 | 5.277895 | 3.192220 | 3.192220 | -1.925203 | -1.925203 | 6.948543 | 6.948543 | 0.028903 | 0.028903 | -0.323956 | -0.323956 | -0.715749 | -0.715749 | 5.648912 | 5.648912 | 4.901220 | 4.901220 | -0.956384 | -0.956384 | -1.456307 | -1.456307 | 2.869650 | 2.869650 | -3.516396 | -3.516396 | -8.120877 | -8.120877 |
| 0.037208 | 0.095242 | -5.902594 | 2.723985 | -0.679615 | -0.679615 | -0.679615 | -0.679615 | -0.679615 | -0.679615 | -0.679615 | -0.679615 | -0.679615 | 3.522323 | 3.522323 | -2.898988 | -2.898988 | 1.099050 | 1.099050 | 1.059374 | 1.059374 | -0.308136 | -0.308136 | -1.866162 | -1.866162 | 8.812901 | 8.812901 | -0.689320 | -0.689320 | -4.702220 | -4.702220 | -3.840954 | -3.840954 | 4.523514 | 4.523514 | -0.995175 | -0.995175 | 1.424733 | 1.424733 | 5.794534 | 5.794534 | -13.834446 | -13.834446 | 2.157071 | 2.157071 | 0.079474 | 0.079474 | 4.222041 | 4.222041 | 2.421597 | 2.421597 | 0.002757 | 0.002757 | -1.047552 | -1.047552 | 1.628298 | 1.628298 | -1.363747 | -1.363747 | -7.344865 | -7.344865 |
| 0.034388 | 0.09525 | -9.789767 | 5.940254 | -2.637823 | -2.637823 | -2.637823 | -2.637823 | -2.637823 | -2.637823 | -2.637823 | -2.637823 | -2.637823 | 1.711931 | 1.711931 | 2.593349 | 2.593349 | 2.473155 | 2.473155 | 1.914589 | 1.914589 | 3.932821 | 3.932821 | 5.770369 | 5.770369 | 1.592763 | 1.592763 | -0.101914 | -0.101914 | -3.467578 | -3.467578 | 0.349969 | 0.349969 | -0.137025 | -0.137025 | -1.515781 | -1.515781 | -1.235950 | -1.235950 | 2.166499 | 2.166499 | 5.245986 | 5.245986 | 4.899327 | 4.899327 | -0.635960 | -0.635960 | -6.609306 | -6.609306 | -6.771625 | -6.771625 | -4.243162 | -4.243162 | -3.573697 | -3.573697 | -2.495439 | -2.495439 | -1.704092 | -1.704092 | 0.351746 | 0.351746 |
| 0.031568 | 0.095258 | 8.024343 | 5.142478 | 1.615232 | 1.615232 | 1.615232 | 1.615232 | 1.615232 | 1.615232 | 1.615232 | 1.615232 | 1.615232 | 1.497385 | 1.497385 | 1.889913 | 1.889913 | 0.914986 | 0.914986 | 0.670257 | 0.670257 | 4.837514 | 4.837514 | 2.327406 | 2.327406 | -2.160555 | -2.160555 | -0.652867 | -0.652867 | 2.974764 | 2.974764 | 1.047308 | 1.047308 | -3.661530 | -3.661530 | 1.409450 | 1.409450 | -4.974973 | -4.974973 | -1.343681 | -1.343681 | 6.042479 | 6.042479 | 0.361042 | 0.361042 | -0.333184 | -0.333184 | -9.459276 | -9.459276 | -8.665146 | -8.665146 | -4.440804 | -4.440804 | 5.551858 | 5.551858 | -2.815223 | -2.815223 | 0.317134 | 0.317134 | -1.634835 | -1.634835 |
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| 0.025928 | 0.095274 | 2.741088 | 0.059452 | 3.949386 | 3.949386 | 3.949386 | 3.949386 | 3.949386 | 3.949386 | 3.949386 | 3.949386 | 3.949386 | 3.626295 | 3.626295 | 0.652296 | 0.652296 | 1.045677 | 1.045677 | 1.577951 | 1.577951 | -1.397883 | -1.397883 | 5.520360 | 5.520360 | 2.527960 | 2.527960 | 3.947810 | 3.947810 | -2.479202 | -2.479202 | -0.267321 | -0.267321 | 0.256914 | 0.256914 | 5.719312 | 5.719312 | 8.102153 | 8.102153 | 1.471536 | 1.471536 | 6.703316 | 6.703316 | 0.191155 | 0.191155 | 1.606580 | 1.606580 | 4.767300 | 4.767300 | -6.247325 | -6.247325 | 6.616269 | 6.616269 | 1.759580 | 1.759580 | -2.148077 | -2.148077 | 0.256139 | 0.256139 | -3.053496 | -3.053496 |
| 0.023108 | 0.095282 | -0.668540 | 2.063415 | 8.888951 | 8.888951 | 8.888951 | 8.888951 | 8.888951 | 8.888951 | 8.888951 | 8.888951 | 8.888951 | 2.693163 | 2.693163 | 3.824386 | 3.824386 | 1.757759 | 1.757759 | 2.577155 | 2.577155 | 1.160871 | 1.160871 | 2.699295 | 2.699295 | 2.454378 | 2.454378 | 2.347010 | 2.347010 | 3.734486 | 3.734486 | -3.389744 | -3.389744 | -1.492675 | -1.492675 | 0.435645 | 0.435645 | 4.904527 | 4.904527 | 0.727205 | 0.727205 | 3.529093 | 3.529093 | -1.043014 | -1.043014 | 6.897607 | 6.897607 | 2.987619 | 2.987619 | -2.630323 | -2.630323 | 2.448170 | 2.448170 | -1.756123 | -1.756123 | -0.448764 | -0.448764 | -1.562303 | -1.562303 | 4.151067 | 4.151067 |
| 0.022188 | 0.093398 | -0.309693 | 0.602527 | 4.331168 | 4.331168 | 4.331168 | 4.331168 | 4.331168 | 4.331168 | 4.331168 | 4.331168 | 4.331168 | 1.820338 | 1.820338 | 1.515993 | 1.515993 | 0.317991 | 0.317991 | 2.019624 | 2.019624 | 1.242261 | 1.242261 | 0.448394 | 0.448394 | -2.120495 | -2.120495 | 3.042021 | 3.042021 | 4.554097 | 4.554097 | 3.235390 | 3.235390 | 0.415603 | 0.415603 | 1.699526 | 1.699526 | 3.837255 | 3.837255 | 0.611684 | 0.611684 | 3.764348 | 3.764348 | 0.979339 | 0.979339 | 1.697123 | 1.697123 | 2.663338 | 2.663338 | -1.326448 | -1.326448 | 0.443976 | 0.443976 | -0.558747 | -0.558747 | -4.670487 | -4.670487 | -0.007368 | -0.007368 | 4.764950 | 4.764950 |
| 0.022208 | 0.090579 | 1.849774 | -1.094575 | -1.577732 | -1.577732 | -1.577732 | -1.577732 | -1.577732 | -1.577732 | -1.577732 | -1.577732 | -1.577732 | 3.034483 | 3.034483 | 2.913269 | 2.913269 | 1.133518 | 1.133518 | -6.632176 | -6.632176 | 0.937210 | 0.937210 | -1.009382 | -1.009382 | 3.388667 | 3.388667 | 7.281348 | 7.281348 | 4.547560 | 4.547560 | 0.676074 | 0.676074 | 5.654142 | 5.654142 | 3.323079 | 3.323079 | 1.008055 | 1.008055 | -2.853832 | -2.853832 | 3.174224 | 3.174224 | 4.192475 | 4.192475 | 0.014080 | 0.014080 | 1.837721 | 1.837721 | -1.462013 | -1.462013 | 1.433067 | 1.433067 | 1.871853 | 1.871853 | -2.921873 | -2.921873 | -1.968825 | -1.968825 | 1.126392 | 1.126392 |
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| 0.022269 | 0.082119 | 1.653256 | 2.786900 | 4.056641 | 4.056641 | 4.056641 | 4.056641 | 4.056641 | 4.056641 | 4.056641 | 4.056641 | 4.056641 | 0.544545 | 0.544545 | -1.232029 | -1.232029 | -0.380064 | -0.380064 | 0.822122 | 0.822122 | 3.774636 | 3.774636 | 2.156832 | 2.156832 | -5.295301 | -5.295301 | -2.002291 | -2.002291 | -0.856221 | -0.856221 | 6.151913 | 6.151913 | -5.006523 | -5.006523 | -3.685307 | -3.685307 | -4.302121 | -4.302121 | 2.135516 | 2.135516 | 0.429052 | 0.429052 | 0.198447 | 0.198447 | 0.098262 | 0.098262 | 2.182680 | 2.182680 | -2.495192 | -2.495192 | 4.376831 | 4.376831 | -4.950062 | -4.950062 | -4.261671 | -4.261671 | -5.206214 | -5.206214 | -1.348730 | -1.348730 |
| 0.022289 | 0.079299 | 0.493732 | 3.249503 | 9.743176 | 9.743176 | 9.743176 | 9.743176 | 9.743176 | 9.743176 | 9.743176 | 9.743176 | 9.743176 | -0.081009 | -0.081009 | 0.660200 | 0.660200 | -1.577959 | -1.577959 | 1.840542 | 1.840542 | 4.267467 | 4.267467 | 5.186892 | 5.186892 | -3.697000 | -3.697000 | -6.417416 | -6.417416 | -2.343610 | -2.343610 | 3.771311 | 3.771311 | 5.083574 | 5.083574 | 2.442865 | 2.442865 | 1.915742 | 1.915742 | 3.409295 | 3.409295 | 1.085049 | 1.085049 | 1.289304 | 1.289304 | 1.400536 | 1.400536 | -0.675790 | -0.675790 | -6.229239 | -6.229239 | 2.940480 | 2.940480 | -5.617803 | -5.617803 | -0.800101 | -0.800101 | -8.224558 | -8.224558 | 3.834928 | 3.834928 |
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| 0.02237 | 0.06802 | 2.995306 | -2.829846 | -2.517730 | -2.517730 | -2.517730 | -2.517730 | -2.517730 | -2.517730 | -2.517730 | -2.517730 | -2.517730 | -0.076561 | -0.076561 | -4.986319 | -4.986319 | -0.827919 | -0.827919 | 1.300944 | 1.300944 | -0.884591 | -0.884591 | -1.080838 | -1.080838 | 0.270536 | 0.270536 | 1.994983 | 1.994983 | -0.463693 | -0.463693 | 2.043881 | 2.043881 | -0.735628 | -0.735628 | 3.625559 | 3.625559 | 4.324540 | 4.324540 | -0.146421 | -0.146421 | 0.138933 | 0.138933 | -0.380395 | -0.380395 | 2.585881 | 2.585881 | 7.602136 | 7.602136 | -5.403385 | -5.403385 | 5.940637 | 5.940637 | 5.421362 | 5.421362 | 2.096229 | 2.096229 | -5.479419 | -5.479419 | 0.198353 | 0.198353 |
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| 0.022431 | 0.059561 | 0.275114 | 2.623040 | -2.133842 | -2.133842 | -2.133842 | -2.133842 | -2.133842 | -2.133842 | -2.133842 | -2.133842 | -2.133842 | 1.152482 | 1.152482 | -1.332754 | -1.332754 | 0.297501 | 0.297501 | 1.041857 | 1.041857 | -1.416227 | -1.416227 | -1.989999 | -1.989999 | -0.074368 | -0.074368 | -1.601892 | -1.601892 | -0.163196 | -0.163196 | -3.159030 | -3.159030 | -2.138527 | -2.138527 | 0.711290 | 0.711290 | -0.012380 | -0.012380 | -1.052579 | -1.052579 | -1.879973 | -1.879973 | -5.909893 | -5.909893 | 0.094161 | 0.094161 | -4.968667 | -4.968667 | 1.929028 | 1.929028 | 8.746130 | 8.746130 | 3.759583 | 3.759583 | 3.053775 | 3.053775 | -4.655107 | -4.655107 | 0.275526 | 0.275526 |
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| 0.041859 | 0.030876 | 0.251192 | 0.363583 | 1.522241 | 1.522241 | 1.522241 | 1.522241 | 1.522241 | 1.522241 | 1.522241 | 1.522241 | 1.522241 | 0.196840 | 0.196840 | -1.578185 | -1.578185 | 0.186158 | 0.186158 | 2.454743 | 2.454743 | -0.771915 | -0.771915 | 0.098057 | 0.098057 | -1.465085 | -1.465085 | 0.174446 | 0.174446 | -0.503185 | -0.503185 | -0.469867 | -0.469867 | -0.061065 | -0.061065 | -0.094759 | -0.094759 | -6.181324 | -6.181324 | 5.779740 | 5.779740 | -3.702340 | -3.702340 | -1.857330 | -1.857330 | 4.946355 | 4.946355 | -3.693980 | -3.693980 | 2.598878 | 2.598878 | -5.074036 | -5.074036 | 1.299085 | 1.299085 | 0.415783 | 0.415783 | -0.162740 | -0.162740 | 1.092803 | 1.092803 |
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| 0.095436 | 0.030959 | 0.465909 | 3.174551 | -3.682816 | -3.682816 | -3.682816 | -3.682816 | -3.682816 | -3.682816 | -3.682816 | -3.682816 | -3.682816 | -1.309305 | -1.309305 | -0.790251 | -0.790251 | 1.630990 | 1.630990 | -2.198952 | -2.198952 | 1.329684 | 1.329684 | 2.679956 | 2.679956 | 0.765034 | 0.765034 | 1.065138 | 1.065138 | 2.555779 | 2.555779 | -0.693724 | -0.693724 | -3.157853 | -3.157853 | 0.331416 | 0.331416 | 1.945443 | 1.945443 | 0.856817 | 0.856817 | 1.963558 | 1.963558 | -2.095053 | -2.095053 | -7.274785 | -7.274785 | -4.770731 | -4.770731 | -1.741066 | -1.741066 | -4.693774 | -4.693774 | 5.882597 | 5.882597 | 2.083201 | 2.083201 | 2.632742 | 2.632742 | -0.091733 | -0.091733 |
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| 0.101076 | 0.030968 | -1.078906 | 0.430383 | 1.061608 | 1.061608 | 1.061608 | 1.061608 | 1.061608 | 1.061608 | 1.061608 | 1.061608 | 1.061608 | 0.161408 | 0.161408 | 0.331807 | 0.331807 | 4.140048 | 4.140048 | -0.342772 | -0.342772 | 1.494637 | 1.494637 | -1.665774 | -1.665774 | 0.143231 | 0.143231 | -4.333083 | -4.333083 | -0.778998 | -0.778998 | 0.220107 | 0.220107 | -1.109986 | -1.109986 | 2.110699 | 2.110699 | 1.253041 | 1.253041 | 3.280376 | 3.280376 | -4.356396 | -4.356396 | 1.576096 | 1.576096 | 5.799302 | 5.799302 | -0.028155 | -0.028155 | 6.276493 | 6.276493 | 1.105277 | 1.105277 | -2.561572 | -2.561572 | 1.226096 | 1.226096 | -2.250432 | -2.250432 | 5.339273 | 5.339273 |
| 0.103896 | 0.030972 | 3.345597 | 1.431963 | 0.158022 | 0.158022 | 0.158022 | 0.158022 | 0.158022 | 0.158022 | 0.158022 | 0.158022 | 0.158022 | 1.700480 | 1.700480 | 0.512138 | 0.512138 | -0.439596 | -0.439596 | 1.975514 | 1.975514 | 1.122639 | 1.122639 | 0.409837 | 0.409837 | 3.230478 | 3.230478 | 5.584018 | 5.584018 | -1.279768 | -1.279768 | 1.412526 | 1.412526 | -0.836158 | -0.836158 | -1.439274 | -1.439274 | -0.437158 | -0.437158 | 4.903213 | 4.903213 | -4.875099 | -4.875099 | 0.278751 | 0.278751 | 0.300970 | 0.300970 | -3.013476 | -3.013476 | -0.807766 | -0.807766 | 4.325174 | 4.325174 | 1.265264 | 1.265264 | 1.464024 | 1.464024 | 3.681531 | 3.681531 | 7.591264 | 7.591264 |
| 0.106716 | 0.030976 | 4.347871 | 0.323151 | -0.097645 | -0.097645 | -0.097645 | -0.097645 | -0.097645 | -0.097645 | -0.097645 | -0.097645 | -0.097645 | 0.578106 | 0.578106 | 0.268633 | 0.268633 | 1.934261 | 1.934261 | 1.120982 | 1.120982 | -0.321869 | -0.321869 | 0.857313 | 0.857313 | 2.093544 | 2.093544 | -1.481936 | -1.481936 | -0.136952 | -0.136952 | -0.645074 | -0.645074 | -0.392930 | -0.392930 | 2.246259 | 2.246259 | -1.407026 | -1.407026 | -4.785123 | -4.785123 | -3.278151 | -3.278151 | 2.650376 | 2.650376 | -6.738744 | -6.738744 | -5.554071 | -5.554071 | -8.073328 | -8.073328 | 6.540402 | 6.540402 | 4.100441 | 4.100441 | 1.425041 | 1.425041 | -2.085099 | -2.085099 | 4.097893 | 4.097893 |
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| 0.117995 | 0.030994 | 0.797118 | -0.093617 | 1.500537 | 1.500537 | 1.500537 | 1.500537 | 1.500537 | 1.500537 | 1.500537 | 1.500537 | 1.500537 | 1.728537 | 1.728537 | 3.554670 | 3.554670 | 3.076382 | 3.076382 | -1.687085 | -1.687085 | 1.124617 | 1.124617 | 1.902731 | 1.902731 | 0.342288 | 0.342288 | -2.426456 | -2.426456 | 0.772187 | 0.772187 | -0.515018 | -0.515018 | 0.823397 | 0.823397 | -2.492276 | -2.492276 | 1.788464 | 1.788464 | -3.878707 | -3.878707 | -1.709528 | -1.709528 | 2.246284 | 2.246284 | 1.417345 | 1.417345 | -0.194476 | -0.194476 | 1.111848 | 1.111848 | -5.203763 | -5.203763 | 1.954744 | 1.954744 | -0.838040 | -0.838040 | -1.090275 | -1.090275 | -0.690892 | -0.690892 |
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| 0.121748 | 0.035694 | -0.523091 | 0.306037 | 0.226035 | 0.226035 | 0.226035 | 0.226035 | 0.226035 | 0.226035 | 0.226035 | 0.226035 | 0.226035 | -1.803367 | -1.803367 | -0.897944 | -0.897944 | 1.631215 | 1.631215 | 2.273885 | 2.273885 | 0.698576 | 0.698576 | -5.263874 | -5.263874 | -2.441624 | -2.441624 | 1.340420 | 1.340420 | 1.509167 | 1.509167 | 0.989720 | 0.989720 | 0.621985 | 0.621985 | -4.256575 | -4.256575 | 1.106919 | 1.106919 | 1.353141 | 1.353141 | -0.226890 | -0.226890 | 2.897479 | 2.897479 | 1.399483 | 1.399483 | 1.170110 | 1.170110 | -0.406589 | -0.406589 | -2.973500 | -2.973500 | -5.943215 | -5.943215 | 0.570506 | 0.570506 | -1.730914 | -1.730914 | 1.722112 | 1.722112 |
| 0.12174 | 0.038513 | -0.242301 | -0.006848 | 1.542173 | 1.542173 | 1.542173 | 1.542173 | 1.542173 | 1.542173 | 1.542173 | 1.542173 | 1.542173 | -1.320428 | -1.320428 | 0.361982 | 0.361982 | 2.793542 | 2.793542 | 0.083422 | 0.083422 | 2.557670 | 2.557670 | -0.665064 | -0.665064 | 3.464183 | 3.464183 | 0.242399 | 0.242399 | -3.503528 | -3.503528 | 0.248216 | 0.248216 | 1.334969 | 1.334969 | 0.681924 | 0.681924 | 3.364942 | 3.364942 | -2.317645 | -2.317645 | 0.077065 | 0.077065 | -0.011552 | -0.011552 | -3.722756 | -3.722756 | -0.053492 | -0.053492 | 0.722297 | 0.722297 | -6.210531 | -6.210531 | -4.575042 | -4.575042 | 3.899404 | 3.899404 | 2.394307 | 2.394307 | -2.141494 | -2.141494 |
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| 0.121699 | 0.052613 | 1.626231 | -0.413006 | 3.984570 | 3.984570 | 3.984570 | 3.984570 | 3.984570 | 3.984570 | 3.984570 | 3.984570 | 3.984570 | 2.186372 | 2.186372 | 2.435528 | 2.435528 | 5.222833 | 5.222833 | -1.075811 | -1.075811 | -0.211810 | -0.211810 | 3.136138 | 3.136138 | 0.743034 | 0.743034 | -0.836240 | -0.836240 | 0.067759 | 0.067759 | -0.054891 | -0.054891 | -3.455824 | -3.455824 | 7.291283 | 7.291283 | 0.008869 | 0.008869 | 3.294996 | 3.294996 | -3.405861 | -3.405861 | -8.761526 | -8.761526 | -4.773335 | -4.773335 | 5.042845 | 5.042845 | 0.820767 | 0.820767 | -0.083140 | -0.083140 | 3.233405 | 3.233405 | -7.441748 | -7.441748 | 0.844107 | 0.844107 | 0.273341 | 0.273341 |
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| 0.121683 | 0.058252 | -1.953160 | 10.388355 | -3.468425 | -3.468425 | -3.468425 | -3.468425 | -3.468425 | -3.468425 | -3.468425 | -3.468425 | -3.468425 | 0.139732 | 0.139732 | -2.657604 | -2.657604 | -1.466264 | -1.466264 | 1.215756 | 1.215756 | -4.163567 | -4.163567 | -1.391747 | -1.391747 | 0.839024 | 0.839024 | 0.318569 | 0.318569 | -0.639571 | -0.639571 | 1.396217 | 1.396217 | 5.853339 | 5.853339 | -4.087999 | -4.087999 | 4.712007 | 4.712007 | -3.408197 | -3.408197 | 1.535528 | 1.535528 | 1.686082 | 1.686082 | 0.058654 | 0.058654 | 1.232795 | 1.232795 | -1.209159 | -1.209159 | 1.871040 | 1.871040 | -2.056362 | -2.056362 | 7.351319 | 7.351319 | 0.100958 | 0.100958 | -1.924358 | -1.924358 |
| 0.121675 | 0.061072 | 2.768237 | 3.098594 | -0.362241 | -0.362241 | -0.362241 | -0.362241 | -0.362241 | -0.362241 | -0.362241 | -0.362241 | -0.362241 | -1.645988 | -1.645988 | 0.498260 | 0.498260 | 1.680395 | 1.680395 | 1.632709 | 1.632709 | -1.055682 | -1.055682 | 0.093525 | 0.093525 | -0.823176 | -0.823176 | 1.208323 | 1.208323 | 2.505848 | 2.505848 | 1.449810 | 1.449810 | 0.158882 | 0.158882 | -4.878096 | -4.878096 | 1.609740 | 1.609740 | -2.391310 | -2.391310 | 0.332056 | 0.332056 | 2.754767 | 2.754767 | -1.716461 | -1.716461 | -4.724127 | -4.724127 | -0.478337 | -0.478337 | -1.287733 | -1.287733 | 0.206897 | 0.206897 | -2.010754 | -2.010754 | -0.796563 | -0.796563 | 2.977875 | 2.977875 |
| 0.121667 | 0.063892 | 1.509724 | 1.388533 | -0.072007 | -0.072007 | -0.072007 | -0.072007 | -0.072007 | -0.072007 | -0.072007 | -0.072007 | -0.072007 | 3.207577 | 3.207577 | -0.173289 | -0.173289 | 0.312458 | 0.312458 | -1.245986 | -1.245986 | 2.366767 | 2.366767 | 0.491420 | 0.491420 | 0.792436 | 0.792436 | 1.964189 | 1.964189 | 3.472104 | 3.472104 | -2.337176 | -2.337176 | -1.701901 | -1.701901 | -0.902084 | -0.902084 | -0.247233 | -0.247233 | 0.206060 | 0.206060 | 4.129928 | 4.129928 | -0.025456 | -0.025456 | -2.021159 | -2.021159 | -0.268854 | -0.268854 | 3.227706 | 3.227706 | -2.681202 | -2.681202 | 0.053181 | 0.053181 | -6.082195 | -6.082195 | 7.690262 | 7.690262 | 1.248862 | 1.248862 |
| 0.121659 | 0.066712 | 2.272994 | 2.820430 | -1.082933 | -1.082933 | -1.082933 | -1.082933 | -1.082933 | -1.082933 | -1.082933 | -1.082933 | -1.082933 | 2.682243 | 2.682243 | 0.281952 | 0.281952 | 1.153882 | 1.153882 | -0.062927 | -0.062927 | 0.714095 | 0.714095 | -0.422494 | -0.422494 | 0.481386 | 0.481386 | 2.253556 | 2.253556 | -1.088386 | -1.088386 | -4.047692 | -4.047692 | -2.896955 | -2.896955 | 3.054140 | 3.054140 | 1.671430 | 1.671430 | 5.263357 | 5.263357 | -0.600207 | -0.600207 | -1.088616 | -1.088616 | -0.534127 | -0.534127 | -0.276902 | -0.276902 | 5.000780 | 5.000780 | 0.894699 | 0.894699 | -2.415195 | -2.415195 | -2.504933 | -2.504933 | 1.653040 | 1.653040 | 1.846462 | 1.846462 |
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| 0.121643 | 0.072352 | 2.054639 | -0.222384 | 0.621506 | 0.621506 | 0.621506 | 0.621506 | 0.621506 | 0.621506 | 0.621506 | 0.621506 | 0.621506 | 1.612887 | 1.612887 | -0.493430 | -0.493430 | -2.626617 | -2.626617 | -2.436615 | -2.436615 | -1.104053 | -1.104053 | -1.692042 | -1.692042 | -5.391327 | -5.391327 | 0.043020 | 0.043020 | -1.106075 | -1.106075 | 1.741373 | 1.741373 | -0.053768 | -0.053768 | -0.792237 | -0.792237 | -2.299514 | -2.299514 | -1.427726 | -1.427726 | -1.121292 | -1.121292 | -0.192921 | -0.192921 | 1.039609 | 1.039609 | -1.432455 | -1.432455 | 2.120585 | 2.120585 | 0.005645 | 0.005645 | -0.932811 | -0.932811 | -0.718234 | -0.718234 | 6.345597 | 6.345597 | 0.739863 | 0.739863 |
| 0.121635 | 0.075172 | 2.021330 | -0.241689 | 1.840816 | 1.840816 | 1.840816 | 1.840816 | 1.840816 | 1.840816 | 1.840816 | 1.840816 | 1.840816 | -2.189199 | -2.189199 | 2.267663 | 2.267663 | -1.270642 | -1.270642 | 0.320983 | 0.320983 | 2.494991 | 2.494991 | -1.946960 | -1.946960 | 4.054935 | 4.054935 | -0.792770 | -0.792770 | -0.054606 | -0.054606 | 3.532519 | 3.532519 | 4.886681 | 4.886681 | 0.694266 | 0.694266 | -6.414861 | -6.414861 | 2.965184 | 2.965184 | 1.888166 | 1.888166 | -1.293901 | -1.293901 | -2.925472 | -2.925472 | 2.695720 | 2.695720 | -1.606482 | -1.606482 | 0.692519 | 0.692519 | -2.558466 | -2.558466 | 0.323216 | 0.323216 | 1.362791 | 1.362791 | 0.368147 | 0.368147 |
| 0.121627 | 0.077992 | 2.128030 | 0.235635 | -0.323841 | -0.323841 | -0.323841 | -0.323841 | -0.323841 | -0.323841 | -0.323841 | -0.323841 | -0.323841 | -3.729203 | -3.729203 | 0.747018 | 0.747018 | 0.446166 | 0.446166 | 1.403478 | 1.403478 | 0.569271 | 0.569271 | 0.381281 | 0.381281 | 0.716623 | 0.716623 | -0.984876 | -0.984876 | -0.907007 | -0.907007 | 2.604115 | 2.604115 | 3.647091 | 3.647091 | -1.786214 | -1.786214 | 0.341724 | 0.341724 | -0.328563 | -0.328563 | -2.655827 | -2.655827 | -0.733816 | -0.733816 | -0.766769 | -0.766769 | 2.799520 | 2.799520 | -0.927572 | -0.927572 | -2.641611 | -2.641611 | -1.012856 | -1.012856 | 2.851020 | 2.851020 | 1.845510 | 1.845510 | 1.089767 | 1.089767 |
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| 0.121611 | 0.083631 | 0.790664 | 2.029213 | 4.708910 | 4.708910 | 4.708910 | 4.708910 | 4.708910 | 4.708910 | 4.708910 | 4.708910 | 4.708910 | 0.675378 | 0.675378 | 1.413013 | 1.413013 | 1.526852 | 1.526852 | 0.888746 | 0.888746 | 1.790430 | 1.790430 | 1.744813 | 1.744813 | -1.173863 | -1.173863 | -0.955127 | -0.955127 | 0.729246 | 0.729246 | 3.186274 | 3.186274 | 0.149880 | 0.149880 | 1.863400 | 1.863400 | -3.664128 | -3.664128 | 4.776268 | 4.776268 | -1.743260 | -1.743260 | 3.120124 | 3.120124 | -1.717593 | -1.717593 | -3.087736 | -3.087736 | -1.733757 | -1.733757 | 1.653037 | 1.653037 | 3.073345 | 3.073345 | 3.735970 | 3.735970 | -3.189412 | -3.189412 | 1.517144 | 1.517144 |
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| 0.106166 | 0.085164 | 0.099313 | 2.312885 | 4.004848 | 4.004848 | 4.004848 | 4.004848 | 4.004848 | 4.004848 | 4.004848 | 4.004848 | 4.004848 | -2.505858 | -2.505858 | 0.502500 | 0.502500 | 0.811000 | 0.811000 | 8.429341 | 8.429341 | 2.154818 | 2.154818 | -1.637365 | -1.637365 | 4.231338 | 4.231338 | -0.234058 | -0.234058 | 1.103462 | 1.103462 | -1.318451 | -1.318451 | 1.712801 | 1.712801 | 1.660334 | 1.660334 | -2.991372 | -2.991372 | 0.584742 | 0.584742 | -1.418905 | -1.418905 | 2.797143 | 2.797143 | 1.943210 | 1.943210 | 5.271087 | 5.271087 | 0.489020 | 0.489020 | 7.173038 | 7.173038 | -3.488698 | -3.488698 | -1.307128 | -1.307128 | 3.667219 | 3.667219 | -0.631470 | -0.631470 |
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| 0.100526 | 0.085184 | -3.510120 | 0.606930 | -1.475794 | -1.475794 | -1.475794 | -1.475794 | -1.475794 | -1.475794 | -1.475794 | -1.475794 | -1.475794 | -2.332933 | -2.332933 | 0.142611 | 0.142611 | -0.921246 | -0.921246 | -0.798871 | -0.798871 | -0.570508 | -0.570508 | 0.993056 | 0.993056 | 2.415896 | 2.415896 | -1.225671 | -1.225671 | 0.740569 | 0.740569 | -7.826437 | -7.826437 | -1.795340 | -1.795340 | -3.322475 | -3.322475 | -2.303496 | -2.303496 | -0.171496 | -0.171496 | 2.857181 | 2.857181 | -3.270906 | -3.270906 | 3.891100 | 3.891100 | 1.410397 | 1.410397 | -0.133337 | -0.133337 | 3.629936 | 3.629936 | 1.879514 | 1.879514 | 2.519410 | 2.519410 | -1.690679 | -1.690679 | 4.200104 | 4.200104 |
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| 0.094887 | 0.085203 | -2.064197 | 4.625112 | 3.389336 | 3.389336 | 3.389336 | 3.389336 | 3.389336 | 3.389336 | 3.389336 | 3.389336 | 3.389336 | -1.923252 | -1.923252 | 1.779727 | 1.779727 | -4.035563 | -4.035563 | -1.573523 | -1.573523 | -3.253069 | -3.253069 | -2.597441 | -2.597441 | -0.621419 | -0.621419 | -3.656298 | -3.656298 | -4.444635 | -4.444635 | -2.254717 | -2.254717 | -6.845806 | -6.845806 | 3.749905 | 3.749905 | 0.233119 | 0.233119 | 4.103763 | 4.103763 | -1.774625 | -1.774625 | -0.933762 | -0.933762 | -0.600133 | -0.600133 | 7.013957 | 7.013957 | 3.438669 | 3.438669 | 2.513968 | 2.513968 | -1.403014 | -1.403014 | -1.680282 | -1.680282 | -0.347273 | -0.347273 | -0.972010 | -0.972010 |
| 0.092067 | 0.085213 | -2.236017 | 8.279941 | 5.125313 | 5.125313 | 5.125313 | 5.125313 | 5.125313 | 5.125313 | 5.125313 | 5.125313 | 5.125313 | -0.115005 | -0.115005 | 3.924733 | 3.924733 | -1.062831 | -1.062831 | 1.167557 | 1.167557 | -0.636179 | -0.636179 | 5.886572 | 5.886572 | 0.765793 | 0.765793 | -4.885031 | -4.885031 | 0.735033 | 0.735033 | 0.546634 | 0.546634 | -5.076860 | -5.076860 | 1.245314 | 1.245314 | -3.435241 | -3.435241 | 0.215194 | 0.215194 | 1.649304 | 1.649304 | -1.372728 | -1.372728 | -7.542759 | -7.542759 | 7.330396 | 7.330396 | 1.057066 | 1.057066 | -3.365390 | -3.365390 | -0.398162 | -0.398162 | -0.422001 | -0.422001 | -2.405957 | -2.405957 | -0.527750 | -0.527750 |
| 0.089247 | 0.085223 | 0.455330 | 2.625129 | 2.809907 | 2.809907 | 2.809907 | 2.809907 | 2.809907 | 2.809907 | 2.809907 | 2.809907 | 2.809907 | -0.122111 | -0.122111 | 0.829564 | 0.829564 | -0.122281 | -0.122281 | -2.186636 | -2.186636 | -2.275088 | -2.275088 | -0.446347 | -0.446347 | -3.030228 | -3.030228 | 0.189992 | 0.189992 | -4.304191 | -4.304191 | 0.335157 | 0.335157 | 1.199944 | 1.199944 | 0.049683 | 0.049683 | 2.162349 | 2.162349 | 0.307948 | 0.307948 | 0.391672 | 0.391672 | 1.308167 | 1.308167 | 0.630105 | 0.630105 | 5.222440 | 5.222440 | -1.555509 | -1.555509 | -4.904220 | -4.904220 | 3.974098 | 3.974098 | -0.204632 | -0.204632 | -5.496722 | -5.496722 | -0.078836 | -0.078836 |
| 0.086427 | 0.085233 | -0.218742 | 1.720779 | 4.078549 | 4.078549 | 4.078549 | 4.078549 | 4.078549 | 4.078549 | 4.078549 | 4.078549 | 4.078549 | 1.343149 | 1.343149 | 0.801600 | 0.801600 | -0.195808 | -0.195808 | -2.801121 | -2.801121 | -5.683490 | -5.683490 | -1.392847 | -1.392847 | -2.536883 | -2.536883 | -2.067201 | -2.067201 | -2.991842 | -2.991842 | 3.016772 | 3.016772 | 9.440174 | 9.440174 | 0.424252 | 0.424252 | 8.927844 | 8.927844 | 5.173314 | 5.173314 | 2.260300 | 2.260300 | 1.180165 | 1.180165 | 7.405830 | 7.405830 | -3.138261 | -3.138261 | -1.494134 | -1.494134 | 1.316148 | 1.316148 | 11.332211 | 11.332211 | 1.987933 | 1.987933 | 2.784580 | 2.784580 | 2.733059 | 2.733059 |
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| 0.069508 | 0.085293 | -2.104499 | -1.018736 | 1.541984 | 1.541984 | 1.541984 | 1.541984 | 1.541984 | 1.541984 | 1.541984 | 1.541984 | 1.541984 | 3.609950 | 3.609950 | 5.021745 | 5.021745 | -0.243569 | -0.243569 | -2.198918 | -2.198918 | -4.170475 | -4.170475 | -2.536865 | -2.536865 | -0.991888 | -0.991888 | 1.532205 | 1.532205 | 0.616126 | 0.616126 | -2.912478 | -2.912478 | 1.803209 | 1.803209 | 2.699036 | 2.699036 | -0.601704 | -0.601704 | 7.915100 | 7.915100 | -0.228795 | -0.228795 | 6.924661 | 6.924661 | -1.049649 | -1.049649 | 4.324615 | 4.324615 | 2.075945 | 2.075945 | 1.510766 | 1.510766 | 4.214007 | 4.214007 | 3.317791 | 3.317791 | 0.501502 | 0.501502 | -2.965076 | -2.965076 |
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| 0.061048 | 0.085322 | 0.561747 | -0.140540 | 0.603018 | 0.603018 | 0.603018 | 0.603018 | 0.603018 | 0.603018 | 0.603018 | 0.603018 | 0.603018 | 1.680909 | 1.680909 | 0.894861 | 0.894861 | 3.202412 | 3.202412 | 4.530491 | 4.530491 | 0.914828 | 0.914828 | 1.001522 | 1.001522 | 1.179259 | 1.179259 | 4.353014 | 4.353014 | -1.712256 | -1.712256 | -5.556742 | -5.556742 | -7.165353 | -7.165353 | -0.268919 | -0.268919 | 2.498530 | 2.498530 | 6.596818 | 6.596818 | 5.397096 | 5.397096 | 11.537050 | 11.537050 | 1.808360 | 1.808360 | 0.818311 | 0.818311 | -7.028378 | -7.028378 | 4.060292 | 4.060292 | -2.869720 | -2.869720 | -2.109622 | -2.109622 | 0.252755 | 0.252755 | 3.251933 | 3.251933 |
| 0.058229 | 0.085332 | 1.488417 | 0.508798 | -2.405168 | -2.405168 | -2.405168 | -2.405168 | -2.405168 | -2.405168 | -2.405168 | -2.405168 | -2.405168 | 0.876775 | 0.876775 | -0.623901 | -0.623901 | 4.436228 | 4.436228 | 2.070797 | 2.070797 | 0.702895 | 0.702895 | 2.831738 | 2.831738 | 3.327524 | 3.327524 | 0.158041 | 0.158041 | -3.302545 | -3.302545 | 3.082684 | 3.082684 | 2.338731 | 2.338731 | 2.591358 | 2.591358 | 3.258296 | 3.258296 | 5.218617 | 5.218617 | -1.253016 | -1.253016 | 9.794558 | 9.794558 | 4.402341 | 4.402341 | -1.368698 | -1.368698 | -3.233049 | -3.233049 | -0.267458 | -0.267458 | -3.302165 | -3.302165 | -6.393662 | -6.393662 | 1.050129 | 1.050129 | 4.562143 | 4.562143 |
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| 0.044129 | 0.085382 | 1.726904 | 4.021058 | 2.369312 | 2.369312 | 2.369312 | 2.369312 | 2.369312 | 2.369312 | 2.369312 | 2.369312 | 2.369312 | 0.035675 | 0.035675 | 0.728295 | 0.728295 | -0.217963 | -0.217963 | 0.006681 | 0.006681 | 0.696067 | 0.696067 | 3.760362 | 3.760362 | 4.196042 | 4.196042 | 2.122933 | 2.122933 | 9.246922 | 9.246922 | 0.836926 | 0.836926 | -1.958560 | -1.958560 | 2.432343 | 2.432343 | -2.241161 | -2.241161 | 1.311637 | 1.311637 | 4.670828 | 4.670828 | -0.915419 | -0.915419 | -2.034984 | -2.034984 | -3.843526 | -3.843526 | -0.374064 | -0.374064 | -1.279117 | -1.279117 | -2.420915 | -2.420915 | 4.993059 | 4.993059 | -1.781715 | -1.781715 | -2.411578 | -2.411578 |
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| 0.033712 | 0.078892 | 8.370173 | 7.107444 | 1.221756 | 1.221756 | 1.221756 | 1.221756 | 1.221756 | 1.221756 | 1.221756 | 1.221756 | 1.221756 | -2.041106 | -2.041106 | -1.145462 | -1.145462 | 1.517712 | 1.517712 | 0.739913 | 0.739913 | 1.514326 | 1.514326 | -0.109250 | -0.109250 | -0.571946 | -0.571946 | 5.979362 | 5.979362 | 5.070348 | 5.070348 | 10.199825 | 10.199825 | 8.615852 | 8.615852 | 4.393933 | 4.393933 | -2.258500 | -2.258500 | 5.464963 | 5.464963 | 5.626759 | 5.626759 | 2.871654 | 2.871654 | -0.075885 | -0.075885 | -3.665606 | -3.665606 | -1.516534 | -1.516534 | 1.586262 | 1.586262 | 5.153005 | 5.153005 | 3.177794 | 3.177794 | -6.176726 | -6.176726 | -3.275418 | -3.275418 |
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| 0.033681 | 0.070433 | 6.020859 | -0.290023 | 4.197890 | 4.197890 | 4.197890 | 4.197890 | 4.197890 | 4.197890 | 4.197890 | 4.197890 | 4.197890 | -0.264936 | -0.264936 | 1.796725 | 1.796725 | -5.901395 | -5.901395 | -0.746401 | -0.746401 | -1.079936 | -1.079936 | -0.628474 | -0.628474 | 1.583334 | 1.583334 | 0.046266 | 0.046266 | -0.983188 | -0.983188 | 4.143718 | 4.143718 | 8.394176 | 8.394176 | -1.534168 | -1.534168 | 4.226790 | 4.226790 | 5.443911 | 5.443911 | 0.866596 | 0.866596 | 11.807652 | 11.807652 | 2.304306 | 2.304306 | -0.101046 | -0.101046 | 3.105305 | 3.105305 | 0.510210 | 0.510210 | -0.626852 | -0.626852 | -2.286066 | -2.286066 | -3.390247 | -3.390247 | 0.110790 | 0.110790 |
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| 0.033618 | 0.053513 | 1.032433 | 2.240915 | -1.625726 | -1.625726 | -1.625726 | -1.625726 | -1.625726 | -1.625726 | -1.625726 | -1.625726 | -1.625726 | 1.255360 | 1.255360 | -0.759404 | -0.759404 | 0.629729 | 0.629729 | -1.516423 | -1.516423 | -0.487513 | -0.487513 | 2.008801 | 2.008801 | 0.809038 | 0.809038 | -2.343914 | -2.343914 | 3.992911 | 3.992911 | 1.959029 | 1.959029 | -3.610996 | -3.610996 | 1.550832 | 1.550832 | -0.217778 | -0.217778 | 0.066067 | 0.066067 | -1.276794 | -1.276794 | -0.353786 | -0.353786 | -3.856267 | -3.856267 | 4.359693 | 4.359693 | 0.213983 | 0.213983 | 5.317963 | 5.317963 | -0.886359 | -0.886359 | -1.796127 | -1.796127 | 0.937445 | 0.937445 | -0.095116 | -0.095116 |
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| 0.040783 | 0.043824 | -1.706184 | 0.649145 | 3.948647 | 3.948647 | 3.948647 | 3.948647 | 3.948647 | 3.948647 | 3.948647 | 3.948647 | 3.948647 | 0.790537 | 0.790537 | 0.251990 | 0.251990 | -1.671753 | -1.671753 | 1.547806 | 1.547806 | -1.008079 | -1.008079 | 1.319919 | 1.319919 | 3.493705 | 3.493705 | 0.952080 | 0.952080 | -0.478047 | -0.478047 | -3.557908 | -3.557908 | 2.300256 | 2.300256 | -0.132019 | -0.132019 | 1.406471 | 1.406471 | -0.715817 | -0.715817 | 0.456900 | 0.456900 | 5.585984 | 5.585984 | -2.718915 | -2.718915 | 0.772112 | 0.772112 | -8.951736 | -8.951736 | -1.347197 | -1.347197 | -2.968764 | -2.968764 | -0.006239 | -0.006239 | 3.649403 | 3.649403 | -3.788601 | -3.788601 |
| 0.043603 | 0.043835 | 1.517279 | 4.070664 | 3.162692 | 3.162692 | 3.162692 | 3.162692 | 3.162692 | 3.162692 | 3.162692 | 3.162692 | 3.162692 | -1.135285 | -1.135285 | -2.356224 | -2.356224 | -0.640558 | -0.640558 | 2.598458 | 2.598458 | 0.987994 | 0.987994 | -3.272927 | -3.272927 | 0.569567 | 0.569567 | 0.874056 | 0.874056 | 2.815383 | 2.815383 | 1.419851 | 1.419851 | -0.445254 | -0.445254 | -0.159959 | -0.159959 | -2.874025 | -2.874025 | 0.133259 | 0.133259 | -1.109850 | -1.109850 | 1.017160 | 1.017160 | -0.857479 | -0.857479 | 2.108433 | 2.108433 | 0.232056 | 0.232056 | -4.785135 | -4.785135 | -2.096952 | -2.096952 | 9.142797 | 9.142797 | -1.305328 | -1.305328 | 7.778741 | 7.778741 |
| 0.046422 | 0.043847 | 2.516654 | 0.724645 | 2.425316 | 2.425316 | 2.425316 | 2.425316 | 2.425316 | 2.425316 | 2.425316 | 2.425316 | 2.425316 | 0.975800 | 0.975800 | 3.135558 | 3.135558 | 1.443093 | 1.443093 | 0.822504 | 0.822504 | -0.261335 | -0.261335 | 0.885799 | 0.885799 | 0.389475 | 0.389475 | 0.197946 | 0.197946 | 1.126721 | 1.126721 | -3.205314 | -3.205314 | 0.163727 | 0.163727 | -0.745701 | -0.745701 | -4.770691 | -4.770691 | -0.688598 | -0.688598 | -5.852220 | -5.852220 | -8.005856 | -8.005856 | -1.214925 | -1.214925 | -1.232163 | -1.232163 | 5.043213 | 5.043213 | 1.966571 | 1.966571 | -0.445132 | -0.445132 | -5.653052 | -5.653052 | -0.847417 | -0.847417 | 7.743093 | 7.743093 |
| 0.049242 | 0.043858 | 0.645338 | 0.943693 | 0.013639 | 0.013639 | 0.013639 | 0.013639 | 0.013639 | 0.013639 | 0.013639 | 0.013639 | 0.013639 | 1.317876 | 1.317876 | 3.081122 | 3.081122 | -0.258721 | -0.258721 | -0.616931 | -0.616931 | 0.920333 | 0.920333 | 0.691717 | 0.691717 | 1.813796 | 1.813796 | -2.182648 | -2.182648 | 1.132856 | 1.132856 | -2.576776 | -2.576776 | 1.742443 | 1.742443 | 1.150526 | 1.150526 | -0.896446 | -0.896446 | 5.021579 | 5.021579 | -7.749138 | -7.749138 | -1.659410 | -1.659410 | -1.239647 | -1.239647 | 2.351837 | 2.351837 | 4.935316 | 4.935316 | 1.036185 | 1.036185 | -3.477234 | -3.477234 | -2.483865 | -2.483865 | 1.076031 | 1.076031 | -4.687288 | -4.687288 |
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| 0.054882 | 0.043881 | 0.612318 | 1.031115 | 1.609910 | 1.609910 | 1.609910 | 1.609910 | 1.609910 | 1.609910 | 1.609910 | 1.609910 | 1.609910 | 0.429189 | 0.429189 | -0.983237 | -0.983237 | -0.009222 | -0.009222 | -0.968865 | -0.968865 | 0.807935 | 0.807935 | 0.120707 | 0.120707 | 1.966262 | 1.966262 | 0.343209 | 0.343209 | -0.632775 | -0.632775 | -0.355886 | -0.355886 | 0.696746 | 0.696746 | -0.970787 | -0.970787 | 0.856875 | 0.856875 | 3.044624 | 3.044624 | -1.719713 | -1.719713 | 0.689695 | 0.689695 | 0.897980 | 0.897980 | 2.563923 | 2.563923 | 0.143796 | 0.143796 | -2.459546 | -2.459546 | -2.510833 | -2.510833 | -4.319994 | -4.319994 | -0.261074 | -0.261074 | -0.444753 | -0.444753 |
| 0.057702 | 0.043892 | -1.361740 | 1.083035 | 1.741034 | 1.741034 | 1.741034 | 1.741034 | 1.741034 | 1.741034 | 1.741034 | 1.741034 | 1.741034 | 0.825674 | 0.825674 | -1.843805 | -1.843805 | -0.035274 | -0.035274 | 0.260178 | 0.260178 | 1.267910 | 1.267910 | -1.471079 | -1.471079 | 0.466868 | 0.466868 | -0.750144 | -0.750144 | -0.069291 | -0.069291 | 0.237070 | 0.237070 | 0.483252 | 0.483252 | 0.432041 | 0.432041 | 1.810471 | 1.810471 | 1.234835 | 1.234835 | 1.862064 | 1.862064 | 1.853414 | 1.853414 | 0.142176 | 0.142176 | -3.401607 | -3.401607 | 0.986619 | 0.986619 | 0.323911 | 0.323911 | 0.594536 | 0.594536 | 1.039065 | 1.039065 | 7.467006 | 7.467006 | -1.377808 | -1.377808 |
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| 0.066161 | 0.043926 | 0.093118 | 0.232066 | 1.648526 | 1.648526 | 1.648526 | 1.648526 | 1.648526 | 1.648526 | 1.648526 | 1.648526 | 1.648526 | -0.577068 | -0.577068 | 1.182338 | 1.182338 | 0.190709 | 0.190709 | 1.135272 | 1.135272 | -1.502517 | -1.502517 | -0.320316 | -0.320316 | -0.588941 | -0.588941 | -1.238447 | -1.238447 | 1.679899 | 1.679899 | 0.130884 | 0.130884 | -2.511894 | -2.511894 | -1.347930 | -1.347930 | -2.464432 | -2.464432 | 4.830840 | 4.830840 | 0.826173 | 0.826173 | 4.159867 | 4.159867 | -1.646348 | -1.646348 | 2.351065 | 2.351065 | 9.641460 | 9.641460 | 1.079102 | 1.079102 | 1.119449 | 1.119449 | 0.556588 | 0.556588 | 0.201476 | 0.201476 | -0.234698 | -0.234698 |
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| 0.077441 | 0.043971 | 0.341829 | 1.859998 | -0.696882 | -0.696882 | -0.696882 | -0.696882 | -0.696882 | -0.696882 | -0.696882 | -0.696882 | -0.696882 | -4.026890 | -4.026890 | -0.531242 | -0.531242 | -2.121674 | -2.121674 | -1.868451 | -1.868451 | -3.207311 | -3.207311 | -3.177711 | -3.177711 | 1.034320 | 1.034320 | -1.566293 | -1.566293 | 1.956372 | 1.956372 | 0.458270 | 0.458270 | -0.107237 | -0.107237 | 1.628615 | 1.628615 | -0.715310 | -0.715310 | 4.910044 | 4.910044 | 2.691660 | 2.691660 | -2.520649 | -2.520649 | -1.544651 | -1.544651 | -1.239014 | -1.239014 | -1.826492 | -1.826492 | -3.017328 | -3.017328 | -4.674031 | -4.674031 | 1.725267 | 1.725267 | 6.712036 | 6.712036 | -1.232174 | -1.232174 |
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| 0.09154 | 0.044028 | 0.251532 | 6.047787 | 6.966729 | 6.966729 | 6.966729 | 6.966729 | 6.966729 | 6.966729 | 6.966729 | 6.966729 | 6.966729 | -1.603244 | -1.603244 | -0.054661 | -0.054661 | 1.221250 | 1.221250 | 1.140027 | 1.140027 | -5.282655 | -5.282655 | 4.472066 | 4.472066 | 0.612294 | 0.612294 | 0.580131 | 0.580131 | 0.568211 | 0.568211 | 1.428967 | 1.428967 | -0.018711 | -0.018711 | -1.362128 | -1.362128 | -1.445803 | -1.445803 | -0.188743 | -0.188743 | 2.934423 | 2.934423 | -4.980485 | -4.980485 | 0.646636 | 0.646636 | 2.791088 | 2.791088 | 3.543489 | 3.543489 | 4.995630 | 4.995630 | -1.925815 | -1.925815 | 0.570071 | 0.570071 | -1.002371 | -1.002371 | -0.244059 | -0.244059 |
| 0.09436 | 0.044039 | 0.353940 | 2.210114 | -0.060786 | -0.060786 | -0.060786 | -0.060786 | -0.060786 | -0.060786 | -0.060786 | -0.060786 | -0.060786 | -1.532681 | -1.532681 | -1.529407 | -1.529407 | 0.043301 | 0.043301 | 2.792192 | 2.792192 | -0.812287 | -0.812287 | 2.229188 | 2.229188 | 0.750242 | 0.750242 | 0.001619 | 0.001619 | 1.022027 | 1.022027 | 3.511877 | 3.511877 | -1.303856 | -1.303856 | 0.998626 | 0.998626 | -1.675182 | -1.675182 | 1.574134 | 1.574134 | 7.463339 | 7.463339 | -6.301957 | -6.301957 | -1.788055 | -1.788055 | 3.546853 | 3.546853 | 5.995107 | 5.995107 | -0.013900 | -0.013900 | -2.331167 | -2.331167 | -1.067376 | -1.067376 | 1.251611 | 1.251611 | 2.788339 | 2.788339 |
| 0.09718 | 0.04405 | 0.987778 | 0.111198 | 1.008813 | 1.008813 | 1.008813 | 1.008813 | 1.008813 | 1.008813 | 1.008813 | 1.008813 | 1.008813 | -2.527361 | -2.527361 | 2.659613 | 2.659613 | 0.875625 | 0.875625 | -2.859580 | -2.859580 | -0.111237 | -0.111237 | 4.301932 | 4.301932 | -0.141561 | -0.141561 | 2.111286 | 2.111286 | -2.345646 | -2.345646 | -8.032906 | -8.032906 | -0.500450 | -0.500450 | -0.599685 | -0.599685 | -2.688434 | -2.688434 | 1.326211 | 1.326211 | 1.323606 | 1.323606 | 1.725326 | 1.725326 | 1.717416 | 1.717416 | -0.956678 | -0.956678 | 4.464984 | 4.464984 | 0.840892 | 0.840892 | -3.126345 | -3.126345 | -1.431869 | -1.431869 | -0.934774 | -0.934774 | -1.638974 | -1.638974 |
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| 0.102819 | 0.044073 | -0.294539 | -2.918518 | -0.883049 | -0.883049 | -0.883049 | -0.883049 | -0.883049 | -0.883049 | -0.883049 | -0.883049 | -0.883049 | 0.077547 | 0.077547 | 7.202729 | 7.202729 | -1.552657 | -1.552657 | 0.548014 | 0.548014 | -0.285184 | -0.285184 | 0.326179 | 0.326179 | 0.240197 | 0.240197 | 2.739653 | 2.739653 | -0.187593 | -0.187593 | 2.560270 | 2.560270 | 2.170989 | 2.170989 | 0.660273 | 0.660273 | -1.762306 | -1.762306 | 0.095720 | 0.095720 | 2.510270 | 2.510270 | 0.918946 | 0.918946 | 0.413376 | 0.413376 | 3.448862 | 3.448862 | -2.425814 | -2.425814 | -14.162848 | -14.162848 | 3.734205 | 3.734205 | -1.192440 | -1.192440 | 5.212414 | 5.212414 | 3.997754 | 3.997754 |
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| 0.110362 | 0.045029 | 5.221116 | -1.771902 | 0.294826 | 0.294826 | 0.294826 | 0.294826 | 0.294826 | 0.294826 | 0.294826 | 0.294826 | 0.294826 | 1.364669 | 1.364669 | 3.807422 | 3.807422 | 3.381631 | 3.381631 | -1.068353 | -1.068353 | 1.631661 | 1.631661 | 3.984750 | 3.984750 | -1.135469 | -1.135469 | -1.512038 | -1.512038 | -2.233238 | -2.233238 | -1.946170 | -1.946170 | 4.571367 | 4.571367 | -0.679847 | -0.679847 | 4.852793 | 4.852793 | 3.799154 | 3.799154 | -1.726043 | -1.726043 | -1.941401 | -1.941401 | 1.700817 | 1.700817 | 1.877083 | 1.877083 | 1.714988 | 1.714988 | 7.224151 | 7.224151 | -0.691231 | -0.691231 | -2.768850 | -2.768850 | 5.864295 | 5.864295 | -0.414082 | -0.414082 |
| 0.110389 | 0.047849 | 2.282128 | 3.534812 | 1.291020 | 1.291020 | 1.291020 | 1.291020 | 1.291020 | 1.291020 | 1.291020 | 1.291020 | 1.291020 | 1.198660 | 1.198660 | 1.875450 | 1.875450 | 0.940521 | 0.940521 | -0.238215 | -0.238215 | 1.685094 | 1.685094 | -3.921642 | -3.921642 | -0.804930 | -0.804930 | 0.721300 | 0.721300 | -1.407400 | -1.407400 | 5.605633 | 5.605633 | 1.618064 | 1.618064 | 0.895906 | 0.895906 | 4.681431 | 4.681431 | 5.521440 | 5.521440 | 1.380098 | 1.380098 | -2.990584 | -2.990584 | 0.296470 | 0.296470 | 3.018812 | 3.018812 | 8.691212 | 8.691212 | -2.578955 | -2.578955 | -0.784958 | -0.784958 | -0.743721 | -0.743721 | 3.309289 | 3.309289 | -0.973487 | -0.973487 |
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| 0.110444 | 0.053488 | 2.591008 | -4.220350 | -1.515416 | -1.515416 | -1.515416 | -1.515416 | -1.515416 | -1.515416 | -1.515416 | -1.515416 | -1.515416 | 0.721556 | 0.721556 | -0.123241 | -0.123241 | 2.305697 | 2.305697 | -1.154793 | -1.154793 | 0.942958 | 0.942958 | 1.570085 | 1.570085 | -0.235988 | -0.235988 | 2.097843 | 2.097843 | 0.668208 | 0.668208 | -2.463008 | -2.463008 | -1.220965 | -1.220965 | 2.833974 | 2.833974 | 11.623984 | 11.623984 | -1.533287 | -1.533287 | 0.493391 | 0.493391 | 2.349739 | 2.349739 | -0.029327 | -0.029327 | -2.981702 | -2.981702 | 1.684017 | 1.684017 | 4.830959 | 4.830959 | 0.399033 | 0.399033 | -1.471208 | -1.471208 | 6.152236 | 6.152236 | -0.894825 | -0.894825 |
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| 0.110498 | 0.059128 | 3.309205 | -2.734313 | -3.675290 | -3.675290 | -3.675290 | -3.675290 | -3.675290 | -3.675290 | -3.675290 | -3.675290 | -3.675290 | -2.436188 | -2.436188 | 0.924017 | 0.924017 | 0.085970 | 0.085970 | 1.373050 | 1.373050 | 2.423407 | 2.423407 | 1.555730 | 1.555730 | 2.411601 | 2.411601 | 2.532593 | 2.532593 | -4.050967 | -4.050967 | 0.878805 | 0.878805 | -0.088878 | -0.088878 | 0.062326 | 0.062326 | 1.291423 | 1.291423 | 1.879666 | 1.879666 | -0.944384 | -0.944384 | -1.800210 | -1.800210 | 0.007476 | 0.007476 | -4.581179 | -4.581179 | 10.265305 | 10.265305 | -3.731542 | -3.731542 | 1.346772 | 1.346772 | 1.355855 | 1.355855 | -0.879631 | -0.879631 | 3.061393 | 3.061393 |
| 0.110525 | 0.061948 | 0.155586 | 1.191775 | -1.622475 | -1.622475 | -1.622475 | -1.622475 | -1.622475 | -1.622475 | -1.622475 | -1.622475 | -1.622475 | 1.643082 | 1.643082 | -0.419782 | -0.419782 | -1.112979 | -1.112979 | -0.473066 | -0.473066 | 4.222869 | 4.222869 | 5.508243 | 5.508243 | 1.805025 | 1.805025 | 6.011573 | 6.011573 | -2.050113 | -2.050113 | 1.320312 | 1.320312 | 5.229088 | 5.229088 | -4.697258 | -4.697258 | -0.646160 | -0.646160 | -0.445210 | -0.445210 | -0.498031 | -0.498031 | -2.426464 | -2.426464 | -0.953799 | -0.953799 | -1.307257 | -1.307257 | 2.853048 | 2.853048 | -8.317056 | -8.317056 | -1.011509 | -1.011509 | 2.972807 | 2.972807 | 2.386762 | 2.386762 | -0.575078 | -0.575078 |
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| 0.110633 | 0.073227 | -0.417778 | 0.222435 | 3.351353 | 3.351353 | 3.351353 | 3.351353 | 3.351353 | 3.351353 | 3.351353 | 3.351353 | 3.351353 | 1.440370 | 1.440370 | 1.840777 | 1.840777 | 2.474380 | 2.474380 | -4.705542 | -4.705542 | 0.677314 | 0.677314 | 1.469311 | 1.469311 | -1.209724 | -1.209724 | -0.118560 | -0.118560 | 1.138187 | 1.138187 | 3.007620 | 3.007620 | -6.212103 | -6.212103 | -3.867858 | -3.867858 | 3.555171 | 3.555171 | -1.352885 | -1.352885 | 0.623462 | 0.623462 | -0.546292 | -0.546292 | -0.312638 | -0.312638 | -7.210032 | -7.210032 | 0.850418 | 0.850418 | 2.668938 | 2.668938 | -0.363583 | -0.363583 | -2.109932 | -2.109932 | 7.728463 | 7.728463 | 1.213548 | 1.213548 |
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| 0.107964 | 0.076181 | -2.127255 | 0.211106 | 4.449257 | 4.449257 | 4.449257 | 4.449257 | 4.449257 | 4.449257 | 4.449257 | 4.449257 | 4.449257 | 5.141250 | 5.141250 | -0.451445 | -0.451445 | 4.740695 | 4.740695 | -3.339566 | -3.339566 | 0.357612 | 0.357612 | 3.554558 | 3.554558 | -1.598910 | -1.598910 | 0.881395 | 0.881395 | 1.068301 | 1.068301 | 0.538068 | 0.538068 | 6.296797 | 6.296797 | 1.043409 | 1.043409 | 1.961956 | 1.961956 | -0.415467 | -0.415467 | 0.899099 | 0.899099 | 1.295364 | 1.295364 | -0.305484 | -0.305484 | 1.332736 | 1.332736 | 0.527616 | 0.527616 | 6.306684 | 6.306684 | 0.445933 | 0.445933 | -1.096314 | -1.096314 | 5.229109 | 5.229109 | -0.354649 | -0.354649 |
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| 0.099504 | 0.07622 | 3.312804 | 2.309151 | -1.652319 | -1.652319 | -1.652319 | -1.652319 | -1.652319 | -1.652319 | -1.652319 | -1.652319 | -1.652319 | -3.200969 | -3.200969 | -0.108546 | -0.108546 | -1.322582 | -1.322582 | -5.213568 | -5.213568 | 3.743059 | 3.743059 | -1.210705 | -1.210705 | 2.081066 | 2.081066 | 0.812262 | 0.812262 | 1.523021 | 1.523021 | -2.462348 | -2.462348 | 0.991298 | 0.991298 | 6.286559 | 6.286559 | -0.314701 | -0.314701 | 1.770353 | 1.770353 | -0.041401 | -0.041401 | 1.664117 | 1.664117 | -1.886087 | -1.886087 | -0.957781 | -0.957781 | 3.603230 | 3.603230 | -3.964070 | -3.964070 | -2.869991 | -2.869991 | -3.164942 | -3.164942 | -4.630091 | -4.630091 | -2.147062 | -2.147062 |
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| 0.088225 | 0.076272 | -1.325391 | 8.030637 | 0.037704 | 0.037704 | 0.037704 | 0.037704 | 0.037704 | 0.037704 | 0.037704 | 0.037704 | 0.037704 | -0.111982 | -0.111982 | 3.020406 | 3.020406 | -2.676694 | -2.676694 | 6.437136 | 6.437136 | 2.067253 | 2.067253 | -0.664127 | -0.664127 | -8.839795 | -8.839795 | 0.852465 | 0.852465 | 4.262386 | 4.262386 | -2.106310 | -2.106310 | 1.812258 | 1.812258 | 2.768536 | 2.768536 | 3.282028 | 3.282028 | 2.681386 | 2.681386 | 0.905007 | 0.905007 | 2.037437 | 2.037437 | -6.289520 | -6.289520 | 1.402062 | 1.402062 | 2.730416 | 2.730416 | -3.887383 | -3.887383 | -2.850726 | -2.850726 | -2.979727 | -2.979727 | 3.705575 | 3.705575 | -0.764941 | -0.764941 |
| 0.085405 | 0.076285 | -2.515699 | 5.190362 | 1.766165 | 1.766165 | 1.766165 | 1.766165 | 1.766165 | 1.766165 | 1.766165 | 1.766165 | 1.766165 | 5.936128 | 5.936128 | 0.485514 | 0.485514 | -0.405351 | -0.405351 | 2.146795 | 2.146795 | 0.865240 | 0.865240 | -0.933836 | -0.933836 | 0.881459 | 0.881459 | 1.108311 | 1.108311 | 3.819352 | 3.819352 | 2.663472 | 2.663472 | 3.584712 | 3.584712 | 1.880729 | 1.880729 | 4.221430 | 4.221430 | 2.699572 | 2.699572 | 3.348874 | 3.348874 | 5.714935 | 5.714935 | -2.874200 | -2.874200 | 3.009286 | 3.009286 | -3.147228 | -3.147228 | 0.712590 | 0.712590 | -6.015007 | -6.015007 | -0.440311 | -0.440311 | 5.903055 | 5.903055 | -7.109398 | -7.109398 |
| 0.082585 | 0.076298 | 0.131578 | 4.888109 | -0.608567 | -0.608567 | -0.608567 | -0.608567 | -0.608567 | -0.608567 | -0.608567 | -0.608567 | -0.608567 | 0.607339 | 0.607339 | 2.642778 | 2.642778 | 0.865866 | 0.865866 | 2.784968 | 2.784968 | 2.952076 | 2.952076 | -2.380401 | -2.380401 | -0.667085 | -0.667085 | 2.973569 | 2.973569 | -4.116955 | -4.116955 | 0.358673 | 0.358673 | 3.003909 | 3.003909 | -0.281605 | -0.281605 | 0.923289 | 0.923289 | 1.491634 | 1.491634 | 3.561477 | 3.561477 | 0.252805 | 0.252805 | -2.948970 | -2.948970 | -6.223783 | -6.223783 | -4.298564 | -4.298564 | 1.324225 | 1.324225 | -4.118972 | -4.118972 | 0.064174 | 0.064174 | -0.350236 | -0.350236 | -1.907616 | -1.907616 |
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| 0.068486 | 0.076362 | -4.917159 | 3.324297 | 2.946888 | 2.946888 | 2.946888 | 2.946888 | 2.946888 | 2.946888 | 2.946888 | 2.946888 | 2.946888 | -2.437826 | -2.437826 | 2.158577 | 2.158577 | 1.756664 | 1.756664 | -0.672619 | -0.672619 | -3.857264 | -3.857264 | 3.351380 | 3.351380 | 2.774984 | 2.774984 | -1.794368 | -1.794368 | 7.453300 | 7.453300 | 0.146028 | 0.146028 | 1.081954 | 1.081954 | 0.111111 | 0.111111 | -3.727346 | -3.727346 | 3.627067 | 3.627067 | -6.269819 | -6.269819 | 0.057382 | 0.057382 | 0.204872 | 0.204872 | 5.989422 | 5.989422 | 2.832604 | 2.832604 | 6.083870 | 6.083870 | -3.556141 | -3.556141 | -1.069857 | -1.069857 | -7.601428 | -7.601428 | 4.299493 | 4.299493 |
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| 0.054387 | 0.076427 | 7.813369 | 1.032851 | 2.590931 | 2.590931 | 2.590931 | 2.590931 | 2.590931 | 2.590931 | 2.590931 | 2.590931 | 2.590931 | -0.046295 | -0.046295 | -0.003700 | -0.003700 | -1.435185 | -1.435185 | 0.956237 | 0.956237 | 3.534607 | 3.534607 | 2.478100 | 2.478100 | -1.119794 | -1.119794 | -3.472364 | -3.472364 | 1.299433 | 1.299433 | -6.169790 | -6.169790 | 0.082668 | 0.082668 | 0.176189 | 0.176189 | 1.415466 | 1.415466 | 5.921371 | 5.921371 | -5.255684 | -5.255684 | 1.512797 | 1.512797 | 2.562118 | 2.562118 | -5.273464 | -5.273464 | -3.160538 | -3.160538 | -0.914280 | -0.914280 | -0.299872 | -0.299872 | -0.769102 | -0.769102 | -2.309354 | -2.309354 | -0.619512 | -0.619512 |
| 0.051567 | 0.07644 | 2.656039 | 3.742132 | 3.376201 | 3.376201 | 3.376201 | 3.376201 | 3.376201 | 3.376201 | 3.376201 | 3.376201 | 3.376201 | 2.665568 | 2.665568 | -3.943991 | -3.943991 | -1.561328 | -1.561328 | -0.884493 | -0.884493 | 0.788323 | 0.788323 | 4.237629 | 4.237629 | -2.596466 | -2.596466 | 0.360565 | 0.360565 | -0.191641 | -0.191641 | 0.180354 | 0.180354 | 1.477661 | 1.477661 | -2.304443 | -2.304443 | 4.049061 | 4.049061 | 0.712983 | 0.712983 | 1.635396 | 1.635396 | 7.167644 | 7.167644 | 3.221818 | 3.221818 | -1.160649 | -1.160649 | 0.502114 | 0.502114 | -2.531244 | -2.531244 | -5.574351 | -5.574351 | 0.359890 | 0.359890 | 1.322910 | 1.322910 | 2.081243 | 2.081243 |
| 0.048747 | 0.076453 | -1.486061 | 1.189196 | 2.102948 | 2.102948 | 2.102948 | 2.102948 | 2.102948 | 2.102948 | 2.102948 | 2.102948 | 2.102948 | 4.687957 | 4.687957 | 0.504149 | 0.504149 | -4.046223 | -4.046223 | 0.545600 | 0.545600 | -1.942667 | -1.942667 | 6.532562 | 6.532562 | 4.639750 | 4.639750 | 6.757223 | 6.757223 | 2.623260 | 2.623260 | 0.700292 | 0.700292 | -5.514584 | -5.514584 | -2.737640 | -2.737640 | 2.762279 | 2.762279 | -0.214105 | -0.214105 | 8.001434 | 8.001434 | 5.073950 | 5.073950 | 7.528005 | 7.528005 | 5.224486 | 5.224486 | -6.064153 | -6.064153 | -0.087574 | -0.087574 | -3.787420 | -3.787420 | -1.720099 | -1.720099 | 4.960758 | 4.960758 | 1.918709 | 1.918709 |
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| 0.043609 | 0.075982 | 2.797771 | 1.368255 | -0.457527 | -0.457527 | -0.457527 | -0.457527 | -0.457527 | -0.457527 | -0.457527 | -0.457527 | -0.457527 | -1.477309 | -1.477309 | 2.401345 | 2.401345 | -1.858681 | -1.858681 | 1.219017 | 1.219017 | 0.544021 | 0.544021 | 4.999016 | 4.999016 | 3.736060 | 3.736060 | 1.638093 | 1.638093 | -9.654121 | -9.654121 | 3.458985 | 3.458985 | 4.960371 | 4.960371 | 1.598830 | 1.598830 | 8.202683 | 8.202683 | 2.668346 | 2.668346 | 7.533948 | 7.533948 | 7.068130 | 7.068130 | 0.649989 | 0.649989 | 6.066951 | 6.066951 | 4.861872 | 4.861872 | -7.059781 | -7.059781 | -0.096115 | -0.096115 | 0.406968 | 0.406968 | -5.020751 | -5.020751 | -0.526753 | -0.526753 |
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| 0.043689 | 0.070343 | -2.654704 | 2.338335 | 1.420817 | 1.420817 | 1.420817 | 1.420817 | 1.420817 | 1.420817 | 1.420817 | 1.420817 | 1.420817 | 2.380000 | 2.380000 | 2.341761 | 2.341761 | -5.012374 | -5.012374 | -2.584141 | -2.584141 | 2.073587 | 2.073587 | -0.511409 | -0.511409 | -0.392333 | -0.392333 | 2.226757 | 2.226757 | 6.691454 | 6.691454 | -1.980014 | -1.980014 | -0.538647 | -0.538647 | 4.923544 | 4.923544 | 5.683407 | 5.683407 | 0.354998 | 0.354998 | 4.374467 | 4.374467 | 7.134531 | 7.134531 | 0.198226 | 0.198226 | -5.430098 | -5.430098 | -1.069552 | -1.069552 | 1.083011 | 1.083011 | -0.697373 | -0.697373 | -4.216432 | -4.216432 | 3.827417 | 3.827417 | -3.658095 | -3.658095 |
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| 0.043769 | 0.064704 | 0.880990 | 1.109069 | 0.837772 | 0.837772 | 0.837772 | 0.837772 | 0.837772 | 0.837772 | 0.837772 | 0.837772 | 0.837772 | 0.839131 | 0.839131 | 0.164190 | 0.164190 | -2.122469 | -2.122469 | -0.177998 | -0.177998 | 1.075858 | 1.075858 | 2.890403 | 2.890403 | -0.985558 | -0.985558 | 3.589505 | 3.589505 | -0.045990 | -0.045990 | 1.640800 | 1.640800 | 6.752677 | 6.752677 | 0.293396 | 0.293396 | 1.596013 | 1.596013 | -0.066284 | -0.066284 | 0.459391 | 0.459391 | 1.061121 | 1.061121 | -0.784043 | -0.784043 | -1.506117 | -1.506117 | -1.294442 | -1.294442 | -5.296145 | -5.296145 | 4.688614 | 4.688614 | -5.059933 | -5.059933 | -1.053752 | -1.053752 | 0.612761 | 0.612761 |
| 0.043809 | 0.061884 | 1.722538 | 2.428357 | 0.145535 | 0.145535 | 0.145535 | 0.145535 | 0.145535 | 0.145535 | 0.145535 | 0.145535 | 0.145535 | 0.360232 | 0.360232 | -4.598873 | -4.598873 | -1.064289 | -1.064289 | -0.180427 | -0.180427 | -1.248731 | -1.248731 | 2.258567 | 2.258567 | -1.813044 | -1.813044 | 0.856891 | 0.856891 | 1.427254 | 1.427254 | -0.256313 | -0.256313 | 4.172230 | 4.172230 | 1.064402 | 1.064402 | 1.574441 | 1.574441 | 4.763335 | 4.763335 | 4.729587 | 4.729587 | 0.801766 | 0.801766 | 1.434167 | 1.434167 | 4.520894 | 4.520894 | 3.200460 | 3.200460 | 1.319919 | 1.319919 | 0.167284 | 0.167284 | 0.288041 | 0.288041 | 0.414551 | 0.414551 | 2.510600 | 2.510600 |
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| 0.056504 | 0.054953 | 1.071827 | 0.248130 | 0.716744 | 0.716744 | 0.716744 | 0.716744 | 0.716744 | 0.716744 | 0.716744 | 0.716744 | 0.716744 | -1.010041 | -1.010041 | -0.968718 | -0.968718 | 1.282953 | 1.282953 | -0.052710 | -0.052710 | 0.319747 | 0.319747 | 1.420948 | 1.420948 | -1.379085 | -1.379085 | -0.530766 | -0.530766 | -0.206318 | -0.206318 | -0.415807 | -0.415807 | 3.173986 | 3.173986 | 4.233999 | 4.233999 | -1.462707 | -1.462707 | 5.936121 | 5.936121 | -4.468363 | -4.468363 | 1.817005 | 1.817005 | 2.506428 | 2.506428 | -4.905744 | -4.905744 | 0.330315 | 0.330315 | 1.194361 | 1.194361 | 3.029887 | 3.029887 | 0.015858 | 0.015858 | -0.020201 | -0.020201 | -7.395439 | -7.395439 |
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| 0.067781 | 0.055144 | -0.992172 | 0.198040 | 0.265079 | 0.265079 | 0.265079 | 0.265079 | 0.265079 | 0.265079 | 0.265079 | 0.265079 | 0.265079 | -2.652169 | -2.652169 | -0.096852 | -0.096852 | 1.808683 | 1.808683 | -0.105043 | -0.105043 | -0.902105 | -0.902105 | 0.726503 | 0.726503 | 2.610439 | 2.610439 | 2.573371 | 2.573371 | 6.238710 | 6.238710 | 7.807269 | 7.807269 | 5.647283 | 5.647283 | 8.537770 | 8.537770 | 9.041249 | 9.041249 | 1.194814 | 1.194814 | 4.202042 | 4.202042 | -2.544214 | -2.544214 | -6.816551 | -6.816551 | 4.635706 | 4.635706 | 1.043850 | 1.043850 | 2.542772 | 2.542772 | 0.805380 | 0.805380 | 0.699928 | 0.699928 | -1.278164 | -1.278164 | 0.509429 | 0.509429 |
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| 0.07342 | 0.055239 | 3.553815 | -1.269870 | 2.055134 | 2.055134 | 2.055134 | 2.055134 | 2.055134 | 2.055134 | 2.055134 | 2.055134 | 2.055134 | 3.777869 | 3.777869 | 0.620147 | 0.620147 | 2.074164 | 2.074164 | -5.204565 | -5.204565 | 1.852651 | 1.852651 | -0.439239 | -0.439239 | -0.148725 | -0.148725 | 1.288318 | 1.288318 | 1.919629 | 1.919629 | 1.688179 | 1.688179 | 0.875716 | 0.875716 | 1.110634 | 1.110634 | -1.000278 | -1.000278 | 0.434914 | 0.434914 | -3.796609 | -3.796609 | 4.659141 | 4.659141 | 0.088919 | 0.088919 | 3.831116 | 3.831116 | 0.384518 | 0.384518 | 0.886005 | 0.886005 | 2.244292 | 2.244292 | -10.665751 | -10.665751 | 8.383210 | 8.383210 | 0.363531 | 0.363531 |
| 0.07624 | 0.055287 | 7.233680 | 0.898472 | 1.229046 | 1.229046 | 1.229046 | 1.229046 | 1.229046 | 1.229046 | 1.229046 | 1.229046 | 1.229046 | 1.256613 | 1.256613 | 0.461015 | 0.461015 | 0.093461 | 0.093461 | 1.769920 | 1.769920 | 2.707360 | 2.707360 | -0.890706 | -0.890706 | -0.283710 | -0.283710 | 5.188826 | 5.188826 | 3.630805 | 3.630805 | -2.020690 | -2.020690 | 3.923061 | 3.923061 | 3.437080 | 3.437080 | -1.531414 | -1.531414 | -1.909231 | -1.909231 | 0.217902 | 0.217902 | 1.018412 | 1.018412 | -4.560822 | -4.560822 | -0.968079 | -0.968079 | 6.953807 | 6.953807 | -1.643285 | -1.643285 | -4.358698 | -4.358698 | -2.542798 | -2.542798 | -3.949110 | -3.949110 | -2.301017 | -2.301017 |
| 0.079059 | 0.055334 | 4.102294 | -1.492334 | 0.204301 | 0.204301 | 0.204301 | 0.204301 | 0.204301 | 0.204301 | 0.204301 | 0.204301 | 0.204301 | 0.096425 | 0.096425 | -1.584299 | -1.584299 | 0.027655 | 0.027655 | 2.277369 | 2.277369 | -1.049858 | -1.049858 | 1.700230 | 1.700230 | 0.563371 | 0.563371 | 3.712335 | 3.712335 | 3.950266 | 3.950266 | -1.046744 | -1.046744 | 2.950185 | 2.950185 | 1.737385 | 1.737385 | 4.699929 | 4.699929 | -0.956793 | -0.956793 | 1.347795 | 1.347795 | -3.027362 | -3.027362 | -5.440224 | -5.440224 | -6.700420 | -6.700420 | -8.325830 | -8.325830 | -0.216712 | -0.216712 | -2.667655 | -2.667655 | -2.267053 | -2.267053 | -5.113092 | -5.113092 | 0.023192 | 0.023192 |
| 0.081879 | 0.055382 | -0.020947 | -2.060011 | -0.084798 | -0.084798 | -0.084798 | -0.084798 | -0.084798 | -0.084798 | -0.084798 | -0.084798 | -0.084798 | 1.305916 | 1.305916 | 1.344866 | 1.344866 | -5.980122 | -5.980122 | 1.017559 | 1.017559 | 1.013993 | 1.013993 | 2.031166 | 2.031166 | 6.474547 | 6.474547 | 1.158243 | 1.158243 | 0.670807 | 0.670807 | -1.676805 | -1.676805 | 1.729911 | 1.729911 | 1.826543 | 1.826543 | 5.233071 | 5.233071 | 3.128776 | 3.128776 | -0.049292 | -0.049292 | -3.867642 | -3.867642 | 2.263954 | 2.263954 | -5.192434 | -5.192434 | -3.550080 | -3.550080 | 2.392793 | 2.392793 | 2.997459 | 2.997459 | 0.997489 | 0.997489 | -3.889318 | -3.889318 | 1.203577 | 1.203577 |
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| 0.093157 | 0.055573 | 1.199995 | -1.631984 | 4.689556 | 4.689556 | 4.689556 | 4.689556 | 4.689556 | 4.689556 | 4.689556 | 4.689556 | 4.689556 | -1.830992 | -1.830992 | 2.490661 | 2.490661 | -7.648525 | -7.648525 | -3.188747 | -3.188747 | -1.649784 | -1.649784 | -3.255886 | -3.255886 | 6.715999 | 6.715999 | -1.317194 | -1.317194 | 0.730428 | 0.730428 | 0.237727 | 0.237727 | 1.125328 | 1.125328 | 2.367759 | 2.367759 | 1.538485 | 1.538485 | 3.084431 | 3.084431 | -3.122973 | -3.122973 | -2.319189 | -2.319189 | 6.606038 | 6.606038 | -2.478633 | -2.478633 | 5.057474 | 5.057474 | -1.643318 | -1.643318 | -5.348673 | -5.348673 | -2.011666 | -2.011666 | 0.015356 | 0.015356 | -6.435665 | -6.435665 |
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| 0.098645 | 0.055824 | 3.947566 | 0.301892 | -0.930305 | -0.930305 | -0.930305 | -0.930305 | -0.930305 | -0.930305 | -0.930305 | -0.930305 | -0.930305 | -0.232260 | -0.232260 | 2.227733 | 2.227733 | -4.142157 | -4.142157 | -1.536663 | -1.536663 | -0.590965 | -0.590965 | 3.706394 | 3.706394 | -1.991768 | -1.991768 | -0.671016 | -0.671016 | 3.291992 | 3.291992 | 3.265504 | 3.265504 | -0.544607 | -0.544607 | 0.422780 | 0.422780 | 0.963862 | 0.963862 | -1.051023 | -1.051023 | -4.219011 | -4.219011 | 2.244757 | 2.244757 | -1.888493 | -1.888493 | 1.686910 | 1.686910 | -3.495991 | -3.495991 | 0.216978 | 0.216978 | 0.064109 | 0.064109 | -2.452014 | -2.452014 | -0.618401 | -0.618401 | -1.913764 | -1.913764 |
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| 0.096465 | 0.064606 | 0.003193 | 0.898995 | 0.194419 | 0.194419 | 0.194419 | 0.194419 | 0.194419 | 0.194419 | 0.194419 | 0.194419 | 0.194419 | -1.734832 | -1.734832 | -0.497285 | -0.497285 | 0.502745 | 0.502745 | -0.181879 | -0.181879 | -3.301468 | -3.301468 | 1.916440 | 1.916440 | 0.778024 | 0.778024 | -1.109942 | -1.109942 | -3.126559 | -3.126559 | 1.777450 | 1.777450 | 5.204264 | 5.204264 | -0.883206 | -0.883206 | 1.738867 | 1.738867 | -1.451024 | -1.451024 | 2.770847 | 2.770847 | -4.172559 | -4.172559 | -6.212904 | -6.212904 | -2.822600 | -2.822600 | -4.618909 | -4.618909 | -3.377998 | -3.377998 | -0.184911 | -0.184911 | 1.073933 | 1.073933 | 0.779880 | 0.779880 | 0.873244 | 0.873244 |
| 0.09365 | 0.064771 | 2.456567 | -0.113804 | -1.923684 | -1.923684 | -1.923684 | -1.923684 | -1.923684 | -1.923684 | -1.923684 | -1.923684 | -1.923684 | 2.413843 | 2.413843 | 1.224920 | 1.224920 | -1.899676 | -1.899676 | 2.614064 | 2.614064 | 0.420175 | 0.420175 | -2.014054 | -2.014054 | 2.370664 | 2.370664 | -0.083503 | -0.083503 | 0.511648 | 0.511648 | -0.955483 | -0.955483 | 3.374728 | 3.374728 | 1.660970 | 1.660970 | 1.577299 | 1.577299 | -2.313118 | -2.313118 | 0.908309 | 0.908309 | 0.689420 | 0.689420 | -8.141056 | -8.141056 | 0.691331 | 0.691331 | -4.384531 | -4.384531 | -4.485891 | -4.485891 | 1.096717 | 1.096717 | -1.423803 | -1.423803 | 4.873970 | 4.873970 | -0.101341 | -0.101341 |
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| 0.08239 | 0.065429 | 1.458984 | 1.148865 | 1.280393 | 1.280393 | 1.280393 | 1.280393 | 1.280393 | 1.280393 | 1.280393 | 1.280393 | 1.280393 | 0.027383 | 0.027383 | 3.787310 | 3.787310 | -3.529546 | -3.529546 | 3.864431 | 3.864431 | 2.143232 | 2.143232 | 4.325750 | 4.325750 | -0.317263 | -0.317263 | 11.604250 | 11.604250 | -2.968930 | -2.968930 | 2.122266 | 2.122266 | 5.089341 | 5.089341 | 9.507597 | 9.507597 | -1.485318 | -1.485318 | 6.164553 | 6.164553 | 0.579802 | 0.579802 | 0.422098 | 0.422098 | -0.881117 | -0.881117 | 1.627847 | 1.627847 | 1.893633 | 1.893633 | 0.010409 | 0.010409 | 0.857293 | 0.857293 | 0.703234 | 0.703234 | -2.726871 | -2.726871 | -2.975007 | -2.975007 |
| 0.079575 | 0.065593 | 2.270314 | 0.105847 | 2.425065 | 2.425065 | 2.425065 | 2.425065 | 2.425065 | 2.425065 | 2.425065 | 2.425065 | 2.425065 | 2.920218 | 2.920218 | 4.885347 | 4.885347 | 3.407274 | 3.407274 | 0.850951 | 0.850951 | -1.578701 | -1.578701 | 0.380939 | 0.380939 | 0.251191 | 0.251191 | 0.942228 | 0.942228 | -3.510448 | -3.510448 | 3.934734 | 3.934734 | 6.571426 | 6.571426 | 10.106587 | 10.106587 | -0.307831 | -0.307831 | 5.987381 | 5.987381 | 7.972776 | 7.972776 | 0.254355 | 0.254355 | 0.980862 | 0.980862 | -5.226280 | -5.226280 | 2.695795 | 2.695795 | -1.428143 | -1.428143 | 4.467403 | 4.467403 | 1.433525 | 1.433525 | 5.470175 | 5.470175 | 0.870840 | 0.870840 |
| 0.07676 | 0.065757 | 2.104578 | 0.141516 | -0.789643 | -0.789643 | -0.789643 | -0.789643 | -0.789643 | -0.789643 | -0.789643 | -0.789643 | -0.789643 | 0.562751 | 0.562751 | 13.832399 | 13.832399 | 5.534196 | 5.534196 | -4.515224 | -4.515224 | 1.091962 | 1.091962 | 4.242746 | 4.242746 | 2.411285 | 2.411285 | -0.482100 | -0.482100 | -3.274679 | -3.274679 | 9.427467 | 9.427467 | 5.835515 | 5.835515 | 1.708431 | 1.708431 | 0.417816 | 0.417816 | 2.709675 | 2.709675 | 7.510990 | 7.510990 | 3.088451 | 3.088451 | 3.845297 | 3.845297 | -3.197856 | -3.197856 | 3.282750 | 3.282750 | -1.603033 | -1.603033 | 5.360683 | 5.360683 | 0.067077 | 0.067077 | 7.554610 | 7.554610 | 1.551182 | 1.551182 |
| 0.073945 | 0.065922 | 2.049788 | 0.537368 | -0.868129 | -0.868129 | -0.868129 | -0.868129 | -0.868129 | -0.868129 | -0.868129 | -0.868129 | -0.868129 | 0.489053 | 0.489053 | 1.586942 | 1.586942 | 5.577518 | 5.577518 | 3.244969 | 3.244969 | -0.769516 | -0.769516 | 3.528062 | 3.528062 | 1.592159 | 1.592159 | -2.655425 | -2.655425 | 0.483820 | 0.483820 | 7.641650 | 7.641650 | 5.330173 | 5.330173 | 1.436740 | 1.436740 | 1.499698 | 1.499698 | -3.396898 | -3.396898 | -0.022538 | -0.022538 | 3.634394 | 3.634394 | 5.508511 | 5.508511 | 5.619885 | 5.619885 | 0.945855 | 0.945855 | -1.142734 | -1.142734 | -0.875139 | -0.875139 | -0.994574 | -0.994574 | 0.572331 | 0.572331 | 2.728579 | 2.728579 |
| 0.07113 | 0.066086 | 3.062266 | -0.254124 | -0.871526 | -0.871526 | -0.871526 | -0.871526 | -0.871526 | -0.871526 | -0.871526 | -0.871526 | -0.871526 | -1.189344 | -1.189344 | -1.614336 | -1.614336 | 7.684079 | 7.684079 | -2.186413 | -2.186413 | -0.303155 | -0.303155 | -0.430415 | -0.430415 | 0.867560 | 0.867560 | -2.333745 | -2.333745 | 2.564770 | 2.564770 | 3.614098 | 3.614098 | 1.881198 | 1.881198 | 5.516686 | 5.516686 | 1.282803 | 1.282803 | 1.889936 | 1.889936 | 3.652638 | 3.652638 | 4.848665 | 4.848665 | 2.477172 | 2.477172 | 2.810327 | 2.810327 | -0.997937 | -0.997937 | 0.821858 | 0.821858 | -1.339124 | -1.339124 | 0.107771 | 0.107771 | -2.101182 | -2.101182 | 0.784466 | 0.784466 |
| 0.068315 | 0.066251 | 2.037373 | 1.891831 | -0.103739 | -0.103739 | -0.103739 | -0.103739 | -0.103739 | -0.103739 | -0.103739 | -0.103739 | -0.103739 | 1.241989 | 1.241989 | -2.181896 | -2.181896 | 5.023828 | 5.023828 | 3.252879 | 3.252879 | 2.043310 | 2.043310 | 4.665810 | 4.665810 | 0.202370 | 0.202370 | -0.440177 | -0.440177 | -4.804376 | -4.804376 | -6.105022 | -6.105022 | 0.046098 | 0.046098 | 8.044854 | 8.044854 | -1.631360 | -1.631360 | 2.596448 | 2.596448 | 12.829147 | 12.829147 | -2.186734 | -2.186734 | 1.350188 | 1.350188 | 0.375927 | 0.375927 | -3.681740 | -3.681740 | 4.126410 | 4.126410 | 1.933448 | 1.933448 | -0.818356 | -0.818356 | 3.290015 | 3.290015 | -1.585304 | -1.585304 |
| 0.0655 | 0.066415 | 0.105360 | 3.039395 | 0.942896 | 0.942896 | 0.942896 | 0.942896 | 0.942896 | 0.942896 | 0.942896 | 0.942896 | 0.942896 | 0.964289 | 0.964289 | -0.179932 | -0.179932 | 3.021779 | 3.021779 | 5.553450 | 5.553450 | 0.387387 | 0.387387 | 0.331540 | 0.331540 | -0.341218 | -0.341218 | 0.906964 | 0.906964 | -3.395637 | -3.395637 | -0.700959 | -0.700959 | -0.532211 | -0.532211 | 1.233517 | 1.233517 | -5.122383 | -5.122383 | 0.570107 | 0.570107 | 0.513447 | 0.513447 | -1.804333 | -1.804333 | -0.718938 | -0.718938 | -0.561278 | -0.561278 | 1.968972 | 1.968972 | 5.574099 | 5.574099 | 3.731970 | 3.731970 | 1.321266 | 1.321266 | 3.019566 | 3.019566 | -3.776150 | -3.776150 |
| 0.062685 | 0.06658 | -2.419744 | -0.610755 | -0.265818 | -0.265818 | -0.265818 | -0.265818 | -0.265818 | -0.265818 | -0.265818 | -0.265818 | -0.265818 | 1.024510 | 1.024510 | 0.140879 | 0.140879 | 2.689866 | 2.689866 | -1.000519 | -1.000519 | 0.311168 | 0.311168 | 0.609539 | 0.609539 | -0.333523 | -0.333523 | -0.593865 | -0.593865 | 8.736157 | 8.736157 | 0.527250 | 0.527250 | 2.707977 | 2.707977 | -0.187741 | -0.187741 | 3.112717 | 3.112717 | -2.535819 | -2.535819 | 3.013664 | 3.013664 | 3.196539 | 3.196539 | -1.020757 | -1.020757 | 2.147362 | 2.147362 | 0.759282 | 0.759282 | -2.673723 | -2.673723 | -0.346473 | -0.346473 | -0.557225 | -0.557225 | -0.329056 | -0.329056 | -0.080416 | -0.080416 |
| 0.059869 | 0.066744 | 0.554540 | -0.950953 | -0.279421 | -0.279421 | -0.279421 | -0.279421 | -0.279421 | -0.279421 | -0.279421 | -0.279421 | -0.279421 | -0.361049 | -0.361049 | -6.086073 | -6.086073 | 0.853341 | 0.853341 | -0.946341 | -0.946341 | -0.024478 | -0.024478 | -1.514189 | -1.514189 | 3.504434 | 3.504434 | 0.577371 | 0.577371 | 8.747712 | 8.747712 | -4.246756 | -4.246756 | 3.476675 | 3.476675 | 3.426560 | 3.426560 | 2.566007 | 2.566007 | 2.609170 | 2.609170 | 8.567963 | 8.567963 | 1.266790 | 1.266790 | 0.898411 | 0.898411 | -2.642224 | -2.642224 | 0.373256 | 0.373256 | 0.432336 | 0.432336 | -0.445562 | -0.445562 | 0.948324 | 0.948324 | -1.867909 | -1.867909 | 0.294851 | 0.294851 |
| 0.057054 | 0.066909 | 0.154492 | 1.147156 | 0.011416 | 0.011416 | 0.011416 | 0.011416 | 0.011416 | 0.011416 | 0.011416 | 0.011416 | 0.011416 | 0.287355 | 0.287355 | -3.449300 | -3.449300 | 0.310406 | 0.310406 | -2.037803 | -2.037803 | -2.874547 | -2.874547 | 1.976730 | 1.976730 | -0.227307 | -0.227307 | 3.607961 | 3.607961 | 10.261483 | 10.261483 | -4.650756 | -4.650756 | 1.933498 | 1.933498 | -5.492414 | -5.492414 | 2.893590 | 2.893590 | 1.419550 | 1.419550 | 8.561868 | 8.561868 | -1.599166 | -1.599166 | -2.432865 | -2.432865 | 0.307855 | 0.307855 | 0.582003 | 0.582003 | 0.242276 | 0.242276 | 0.273121 | 0.273121 | 1.583802 | 1.583802 | -3.874026 | -3.874026 | -2.148253 | -2.148253 |
| 0.054239 | 0.067073 | -1.932594 | -2.017823 | 0.809061 | 0.809061 | 0.809061 | 0.809061 | 0.809061 | 0.809061 | 0.809061 | 0.809061 | 0.809061 | 1.677884 | 1.677884 | 1.832301 | 1.832301 | 1.818711 | 1.818711 | 0.067286 | 0.067286 | 2.128637 | 2.128637 | 0.602831 | 0.602831 | -0.510092 | -0.510092 | 3.550805 | 3.550805 | -0.491436 | -0.491436 | 0.065435 | 0.065435 | -0.086025 | -0.086025 | -0.050658 | -0.050658 | -2.156402 | -2.156402 | -1.969083 | -1.969083 | 4.514766 | 4.514766 | 4.395923 | 4.395923 | 1.665494 | 1.665494 | 9.513237 | 9.513237 | 1.160431 | 1.160431 | -1.019977 | -1.019977 | 1.566700 | 1.566700 | -1.230046 | -1.230046 | -0.516315 | -0.516315 | -1.591379 | -1.591379 |