## 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 |
| 0.066518 | 0.005985 | 1.946791 | 7.108011 | 10.200415 | 1.040204 | 1.040204 | 6.418043 | 6.418043 | 5.318389 | 5.318389 | 1.447705 | -0.999685 | -0.999685 | -0.999685 | -0.999685 | -0.999685 | -0.999685 | -0.999685 | -0.999685 | -0.999685 | -0.999685 | -0.999685 | -0.999685 | -0.999685 | -2.673444 | -2.673444 | 1.776101 | 1.776101 | 3.657843 | 3.657843 | -0.801569 | -0.801569 | -0.342395 | -0.342395 | -0.884763 | -0.884763 | -0.800210 | -0.800210 | -0.913902 | -0.913902 | -0.308121 | -0.308121 | -1.008171 | 1.372424 | 1.372424 | 1.372424 | 1.372424 | 1.372424 | 1.372424 | 1.372424 | 1.372424 | 1.372424 | 1.372424 | 1.372424 | 1.372424 | 1.372424 | 1.465857 | 0.023097 | -0.619172 | -0.363308 |
| 0.066516 | 0.007567 | 0.398129 | 4.590962 | 4.074242 | -0.118225 | -0.118225 | 3.838593 | 3.838593 | 2.476825 | 2.476825 | 1.881525 | 0.719397 | 0.719397 | 0.719397 | 0.719397 | 0.719397 | 0.719397 | 0.719397 | 0.719397 | 0.719397 | 0.719397 | 0.719397 | 0.719397 | 0.719397 | -1.825788 | -1.825788 | 1.502106 | 1.502106 | 0.829327 | 0.829327 | -2.681712 | -2.681712 | -0.607444 | -0.607444 | 0.141695 | 0.141695 | 0.016624 | 0.016624 | -0.524998 | -0.524998 | 0.348101 | 0.348101 | 1.045392 | 0.553390 | 0.553390 | 0.553390 | 0.553390 | 0.553390 | 0.553390 | 0.553390 | 0.553390 | 0.553390 | 0.553390 | 0.553390 | 0.553390 | 0.553390 | 1.224892 | 1.570211 | -0.857611 | 0.435829 |
| 0.066514 | 0.009149 | 0.774302 | 2.516903 | 1.301454 | 0.056289 | 0.056289 | 3.330556 | 3.330556 | 0.332321 | 0.332321 | 2.903260 | 0.989669 | 0.989669 | 0.989669 | 0.989669 | 0.989669 | 0.989669 | 0.989669 | 0.989669 | 0.989669 | 0.989669 | 0.989669 | 0.989669 | 0.989669 | -1.085322 | -1.085322 | -0.247894 | -0.247894 | -0.502930 | -0.502930 | -2.991831 | -2.991831 | -0.510618 | -0.510618 | 0.353603 | 0.353603 | -0.343201 | -0.343201 | -0.559304 | -0.559304 | 0.040152 | 0.040152 | 1.481235 | 0.312569 | 0.312569 | 0.312569 | 0.312569 | 0.312569 | 0.312569 | 0.312569 | 0.312569 | 0.312569 | 0.312569 | 0.312569 | 0.312569 | 0.312569 | 1.678520 | 2.803591 | 0.192888 | 0.584479 |
| 0.066512 | 0.010731 | 0.736958 | 3.190755 | 0.222247 | 0.225353 | 0.225353 | 2.935848 | 2.935848 | 0.033169 | 0.033169 | 2.055875 | 0.602236 | 0.602236 | 0.602236 | 0.602236 | 0.602236 | 0.602236 | 0.602236 | 0.602236 | 0.602236 | 0.602236 | 0.602236 | 0.602236 | 0.602236 | -1.653013 | -1.653013 | -1.866488 | -1.866488 | -1.095673 | -1.095673 | -0.863744 | -0.863744 | 0.222673 | 0.222673 | -0.209811 | -0.209811 | -0.167436 | -0.167436 | 0.496663 | 0.496663 | 0.207437 | 0.207437 | 1.861017 | -0.127759 | -0.127759 | -0.127759 | -0.127759 | -0.127759 | -0.127759 | -0.127759 | -0.127759 | -0.127759 | -0.127759 | -0.127759 | -0.127759 | -0.127759 | 0.723644 | 3.233615 | -0.071952 | -0.196661 |
| 0.06651 | 0.012313 | 0.720889 | 1.549380 | 0.199483 | -0.365052 | -0.365052 | 1.892559 | 1.892559 | 0.732505 | 0.732505 | 1.563093 | 0.396413 | 0.396413 | 0.396413 | 0.396413 | 0.396413 | 0.396413 | 0.396413 | 0.396413 | 0.396413 | 0.396413 | 0.396413 | 0.396413 | 0.396413 | -1.843945 | -1.843945 | -2.658070 | -2.658070 | -1.440870 | -1.440870 | 0.936400 | 0.936400 | 0.473079 | 0.473079 | 0.380722 | 0.380722 | 0.134697 | 0.134697 | 1.049074 | 1.049074 | 0.233251 | 0.233251 | 1.599417 | -0.471172 | -0.471172 | -0.471172 | -0.471172 | -0.471172 | -0.471172 | -0.471172 | -0.471172 | -0.471172 | -0.471172 | -0.471172 | -0.471172 | -0.471172 | -0.854629 | 1.171756 | -0.927953 | 0.040484 |
| 0.066508 | 0.013896 | 1.242441 | -2.280051 | 1.375095 | 0.091506 | 0.091506 | 1.015300 | 1.015300 | 0.422657 | 0.422657 | 2.194492 | 0.519953 | 0.519953 | 0.519953 | 0.519953 | 0.519953 | 0.519953 | 0.519953 | 0.519953 | 0.519953 | 0.519953 | 0.519953 | 0.519953 | 0.519953 | -0.659263 | -0.659263 | -2.008504 | -2.008504 | -0.990639 | -0.990639 | 0.030952 | 0.030952 | 0.405798 | 0.405798 | 1.740673 | 1.740673 | 0.338862 | 0.338862 | 0.314701 | 0.314701 | 0.839871 | 0.839871 | -0.586199 | 0.248813 | 0.248813 | 0.248813 | 0.248813 | 0.248813 | 0.248813 | 0.248813 | 0.248813 | 0.248813 | 0.248813 | 0.248813 | 0.248813 | 0.248813 | 0.039535 | -0.585460 | 0.573008 | 1.163598 |
| 0.066505 | 0.015478 | 1.172021 | -2.187308 | 0.981670 | 0.577615 | 0.577615 | -1.122058 | -1.122058 | -0.456281 | -0.456281 | 1.969238 | 1.711089 | 1.711089 | 1.711089 | 1.711089 | 1.711089 | 1.711089 | 1.711089 | 1.711089 | 1.711089 | 1.711089 | 1.711089 | 1.711089 | 1.711089 | -0.352537 | -0.352537 | -0.596663 | -0.596663 | -0.215224 | -0.215224 | -0.676865 | -0.676865 | 0.184472 | 0.184472 | 1.108061 | 1.108061 | -0.036624 | -0.036624 | -0.216446 | -0.216446 | 1.624627 | 1.624627 | -2.380358 | 1.028545 | 1.028545 | 1.028545 | 1.028545 | 1.028545 | 1.028545 | 1.028545 | 1.028545 | 1.028545 | 1.028545 | 1.028545 | 1.028545 | 1.028545 | -0.176134 | 0.763022 | 1.910400 | 1.324769 |
| 0.066503 | 0.01706 | 0.416027 | -0.760265 | -0.368300 | 0.070427 | 0.070427 | -2.655335 | -2.655335 | 0.564992 | 0.564992 | 1.275105 | 2.437536 | 2.437536 | 2.437536 | 2.437536 | 2.437536 | 2.437536 | 2.437536 | 2.437536 | 2.437536 | 2.437536 | 2.437536 | 2.437536 | 2.437536 | -0.331460 | -0.331460 | -0.070851 | -0.070851 | -1.146887 | -1.146887 | -0.982161 | -0.982161 | -0.453443 | -0.453443 | -1.134055 | -1.134055 | -0.566574 | -0.566574 | 0.792200 | 0.792200 | 1.650450 | 1.650450 | -1.608649 | 1.405499 | 1.405499 | 1.405499 | 1.405499 | 1.405499 | 1.405499 | 1.405499 | 1.405499 | 1.405499 | 1.405499 | 1.405499 | 1.405499 | 1.405499 | -1.088011 | 2.148557 | 1.137962 | 1.656132 |
| 0.066501 | 0.018642 | 0.343902 | -0.773426 | -0.101524 | 0.425353 | 0.425353 | -1.814042 | -1.814042 | 0.715395 | 0.715395 | 0.183537 | 2.272294 | 2.272294 | 2.272294 | 2.272294 | 2.272294 | 2.272294 | 2.272294 | 2.272294 | 2.272294 | 2.272294 | 2.272294 | 2.272294 | 2.272294 | 0.157402 | 0.157402 | -0.528127 | -0.528127 | -0.980914 | -0.980914 | -1.454087 | -1.454087 | -0.290483 | -0.290483 | -1.242508 | -1.242508 | 0.251704 | 0.251704 | 1.888858 | 1.888858 | 1.190910 | 1.190910 | 0.353508 | 1.570958 | 1.570958 | 1.570958 | 1.570958 | 1.570958 | 1.570958 | 1.570958 | 1.570958 | 1.570958 | 1.570958 | 1.570958 | 1.570958 | 1.570958 | 0.274627 | 0.882417 | 0.993147 | 2.085194 |
| 0.066499 | 0.020224 | 0.847135 | -1.963540 | -0.297925 | 0.868832 | 0.868832 | -0.385592 | -0.385592 | -1.247723 | -1.247723 | -0.375524 | 2.580703 | 2.580703 | 2.580703 | 2.580703 | 2.580703 | 2.580703 | 2.580703 | 2.580703 | 2.580703 | 2.580703 | 2.580703 | 2.580703 | 2.580703 | 0.373091 | 0.373091 | -0.732453 | -0.732453 | 0.165162 | 0.165162 | -0.474881 | -0.474881 | 0.025002 | 0.025002 | -0.105614 | -0.105614 | 1.507021 | 1.507021 | 1.408291 | 1.408291 | 1.068493 | 1.068493 | 1.335369 | 2.636659 | 2.636659 | 2.636659 | 2.636659 | 2.636659 | 2.636659 | 2.636659 | 2.636659 | 2.636659 | 2.636659 | 2.636659 | 2.636659 | 2.636659 | 1.557684 | 0.606667 | 1.447153 | 1.707558 |
| 0.066497 | 0.021807 | -0.120991 | -1.127423 | -0.868429 | 1.110989 | 1.110989 | 0.520155 | 0.520155 | -0.696732 | -0.696732 | -1.133167 | 1.071280 | 1.071280 | 1.071280 | 1.071280 | 1.071280 | 1.071280 | 1.071280 | 1.071280 | 1.071280 | 1.071280 | 1.071280 | 1.071280 | 1.071280 | -0.397913 | -0.397913 | -0.311276 | -0.311276 | -0.416366 | -0.416366 | 0.128022 | 0.128022 | -0.034978 | -0.034978 | 0.047384 | 0.047384 | 1.042683 | 1.042683 | 1.226616 | 1.226616 | 0.747493 | 0.747493 | 1.373964 | 4.122805 | 4.122805 | 4.122805 | 4.122805 | 4.122805 | 4.122805 | 4.122805 | 4.122805 | 4.122805 | 4.122805 | 4.122805 | 4.122805 | 4.122805 | 1.748475 | 1.340474 | 1.086890 | 0.871875 |
| 0.066495 | 0.023389 | -0.904189 | 0.729904 | -1.272701 | 0.457892 | 0.457892 | 0.307240 | 0.307240 | 1.139959 | 1.139959 | -1.864344 | -0.774859 | -0.774859 | -0.774859 | -0.774859 | -0.774859 | -0.774859 | -0.774859 | -0.774859 | -0.774859 | -0.774859 | -0.774859 | -0.774859 | -0.774859 | -0.642537 | -0.642537 | 0.825658 | 0.825658 | -1.044446 | -1.044446 | -1.474745 | -1.474745 | -0.060008 | -0.060008 | -0.123347 | -0.123347 | 0.798426 | 0.798426 | 1.006330 | 1.006330 | 0.259191 | 0.259191 | 0.839793 | 1.823708 | 1.823708 | 1.823708 | 1.823708 | 1.823708 | 1.823708 | 1.823708 | 1.823708 | 1.823708 | 1.823708 | 1.823708 | 1.823708 | 1.823708 | 0.743354 | 1.050402 | 0.926925 | -0.164927 |
| 0.066493 | 0.024971 | -0.914893 | 0.082876 | -1.381345 | -1.721276 | -1.721276 | 0.190501 | 0.190501 | -0.674625 | -0.674625 | -1.377117 | -0.791351 | -0.791351 | -0.791351 | -0.791351 | -0.791351 | -0.791351 | -0.791351 | -0.791351 | -0.791351 | -0.791351 | -0.791351 | -0.791351 | -0.791351 | -0.480854 | -0.480854 | 0.597528 | 0.597528 | -1.111799 | -1.111799 | -1.821353 | -1.821353 | -0.451494 | -0.451494 | -0.234164 | -0.234164 | 0.848122 | 0.848122 | 0.507250 | 0.507250 | 0.253014 | 0.253014 | 0.197532 | -1.283596 | -1.283596 | -1.283596 | -1.283596 | -1.283596 | -1.283596 | -1.283596 | -1.283596 | -1.283596 | -1.283596 | -1.283596 | -1.283596 | -1.283596 | 0.218035 | 0.158800 | 1.415427 | -0.702675 |
| 0.066491 | 0.026553 | -0.808545 | 2.258145 | -2.209704 | -2.139024 | -2.139024 | 0.035920 | 0.035920 | -2.652880 | -2.652880 | 0.464764 | -0.852480 | -0.852480 | -0.852480 | -0.852480 | -0.852480 | -0.852480 | -0.852480 | -0.852480 | -0.852480 | -0.852480 | -0.852480 | -0.852480 | -0.852480 | -0.290245 | -0.290245 | -1.113605 | -1.113605 | 0.375971 | 0.375971 | -1.283510 | -1.283510 | -0.329340 | -0.329340 | -0.812937 | -0.812937 | -0.998649 | -0.998649 | 0.535843 | 0.535843 | 0.164219 | 0.164219 | -0.096028 | -1.023430 | -1.023430 | -1.023430 | -1.023430 | -1.023430 | -1.023430 | -1.023430 | -1.023430 | -1.023430 | -1.023430 | -1.023430 | -1.023430 | -1.023430 | 1.145632 | -1.250945 | 1.194418 | 0.122366 |
| 0.066488 | 0.028135 | -0.221256 | 5.026040 | -1.934977 | -0.818753 | -0.818753 | -0.738306 | -0.738306 | -0.431638 | -0.431638 | 1.089684 | -0.458798 | -0.458798 | -0.458798 | -0.458798 | -0.458798 | -0.458798 | -0.458798 | -0.458798 | -0.458798 | -0.458798 | -0.458798 | -0.458798 | -0.458798 | 0.313899 | 0.313899 | -0.098358 | -0.098358 | 2.327040 | 2.327040 | -1.693706 | -1.693706 | -0.910664 | -0.910664 | -1.016158 | -1.016158 | -2.278486 | -2.278486 | 0.430558 | 0.430558 | 0.577138 | 0.577138 | -1.260695 | -0.631228 | -0.631228 | -0.631228 | -0.631228 | -0.631228 | -0.631228 | -0.631228 | -0.631228 | -0.631228 | -0.631228 | -0.631228 | -0.631228 | -0.631228 | 0.468636 | -1.029854 | 0.825000 | 0.044595 |
| 0.066486 | 0.029718 | -0.235507 | 1.916661 | 0.830109 | 0.032704 | 0.032704 | -0.361644 | -0.361644 | 0.929012 | 0.929012 | 1.510661 | -0.916997 | -0.916997 | -0.916997 | -0.916997 | -0.916997 | -0.916997 | -0.916997 | -0.916997 | -0.916997 | -0.916997 | -0.916997 | -0.916997 | -0.916997 | 1.402854 | 1.402854 | 3.680989 | 3.680989 | 1.480534 | 1.480534 | -2.152684 | -2.152684 | -0.299436 | -0.299436 | -0.617508 | -0.617508 | -2.347034 | -2.347034 | -0.302963 | -0.302963 | 0.897828 | 0.897828 | -1.888502 | -0.039050 | -0.039050 | -0.039050 | -0.039050 | -0.039050 | -0.039050 | -0.039050 | -0.039050 | -0.039050 | -0.039050 | -0.039050 | -0.039050 | -0.039050 | -0.124372 | 0.497214 | -0.227401 | 1.078750 |
| 0.066484 | 0.0313 | 1.103688 | -1.698076 | 0.425977 | -0.052318 | -0.052318 | 0.812445 | 0.812445 | 1.248173 | 1.248173 | 1.900884 | -1.233451 | -1.233451 | -1.233451 | -1.233451 | -1.233451 | -1.233451 | -1.233451 | -1.233451 | -1.233451 | -1.233451 | -1.233451 | -1.233451 | -1.233451 | 1.548807 | 1.548807 | 3.843804 | 3.843804 | 0.412172 | 0.412172 | -1.619637 | -1.619637 | 1.262412 | 1.262412 | 0.025388 | 0.025388 | -2.622040 | -2.622040 | -1.206255 | -1.206255 | 0.383199 | 0.383199 | 0.576052 | 2.062905 | 2.062905 | 2.062905 | 2.062905 | 2.062905 | 2.062905 | 2.062905 | 2.062905 | 2.062905 | 2.062905 | 2.062905 | 2.062905 | 2.062905 | 1.095149 | 0.804267 | -1.987322 | 2.618752 |
| 0.066482 | 0.032882 | 2.875392 | -0.456389 | -0.060372 | -0.395881 | -0.395881 | -0.199827 | -0.199827 | 0.425766 | 0.425766 | 1.156384 | -0.780578 | -0.780578 | -0.780578 | -0.780578 | -0.780578 | -0.780578 | -0.780578 | -0.780578 | -0.780578 | -0.780578 | -0.780578 | -0.780578 | -0.780578 | 1.119910 | 1.119910 | 0.376440 | 0.376440 | -0.126687 | -0.126687 | -0.469727 | -0.469727 | 0.865104 | 0.865104 | 0.464709 | 0.464709 | -1.312651 | -1.312651 | -1.473225 | -1.473225 | -1.048208 | -1.048208 | 0.232254 | -0.205711 | -0.205711 | -0.205711 | -0.205711 | -0.205711 | -0.205711 | -0.205711 | -0.205711 | -0.205711 | -0.205711 | -0.205711 | -0.205711 | -0.205711 | -0.124918 | -0.418511 | -2.737284 | 2.343032 |
| 0.06648 | 0.034464 | 1.135894 | 0.552379 | -0.070624 | -0.500322 | -0.500322 | -0.221746 | -0.221746 | 0.515930 | 0.515930 | -0.803989 | -0.882569 | -0.882569 | -0.882569 | -0.882569 | -0.882569 | -0.882569 | -0.882569 | -0.882569 | -0.882569 | -0.882569 | -0.882569 | -0.882569 | -0.882569 | 2.890544 | 2.890544 | -1.480431 | -1.480431 | -0.652818 | -0.652818 | 0.915110 | 0.915110 | 0.060147 | 0.060147 | 0.029629 | 0.029629 | 0.310826 | 0.310826 | 1.593677 | 1.593677 | -0.665338 | -0.665338 | -0.709937 | -2.355559 | -2.355559 | -2.355559 | -2.355559 | -2.355559 | -2.355559 | -2.355559 | -2.355559 | -2.355559 | -2.355559 | -2.355559 | -2.355559 | -2.355559 | -1.508687 | -0.297770 | -1.337871 | -0.395580 |
| 0.066478 | 0.036046 | 0.117285 | 3.110154 | 2.338422 | -0.887832 | -0.887832 | 1.117442 | 1.117442 | 1.153801 | 1.153801 | 0.867277 | -1.442643 | -1.442643 | -1.442643 | -1.442643 | -1.442643 | -1.442643 | -1.442643 | -1.442643 | -1.442643 | -1.442643 | -1.442643 | -1.442643 | -1.442643 | 1.847185 | 1.847185 | -1.392393 | -1.392393 | 1.131676 | 1.131676 | 1.704648 | 1.704648 | 0.658541 | 0.658541 | 0.059594 | 0.059594 | 0.762013 | 0.762013 | 2.386808 | 2.386808 | 0.126266 | 0.126266 | 0.927331 | 0.551950 | 0.551950 | 0.551950 | 0.551950 | 0.551950 | 0.551950 | 0.551950 | 0.551950 | 0.551950 | 0.551950 | 0.551950 | 0.551950 | 0.551950 | -1.320309 | 1.084538 | 1.191814 | -1.604563 |
| 0.066476 | 0.037629 | 0.671310 | 2.189216 | 1.657592 | -1.324799 | -1.324799 | 0.803078 | 0.803078 | 0.199294 | 0.199294 | 1.549536 | 0.878622 | 0.878622 | 0.878622 | 0.878622 | 0.878622 | 0.878622 | 0.878622 | 0.878622 | 0.878622 | 0.878622 | 0.878622 | 0.878622 | 0.878622 | -0.079975 | -0.079975 | -1.558956 | -1.558956 | 2.480914 | 2.480914 | 1.231301 | 1.231301 | 0.447775 | 0.447775 | -0.624881 | -0.624881 | 0.304934 | 0.304934 | 1.284002 | 1.284002 | 0.586711 | 0.586711 | 0.964545 | 1.112949 | 1.112949 | 1.112949 | 1.112949 | 1.112949 | 1.112949 | 1.112949 | 1.112949 | 1.112949 | 1.112949 | 1.112949 | 1.112949 | 1.112949 | 0.496685 | 3.395271 | 2.957334 | -1.094066 |
| 0.066474 | 0.039211 | 1.974381 | -1.067710 | -2.075333 | 0.848094 | 0.848094 | 1.079388 | 1.079388 | 0.937372 | 0.937372 | 1.998494 | 0.366686 | 0.366686 | 0.366686 | 0.366686 | 0.366686 | 0.366686 | 0.366686 | 0.366686 | 0.366686 | 0.366686 | 0.366686 | 0.366686 | 0.366686 | 0.995382 | 0.995382 | -1.257631 | -1.257631 | -1.190297 | -1.190297 | -0.462790 | -0.462790 | -0.466651 | -0.466651 | -1.046855 | -1.046855 | 0.351713 | 0.351713 | 0.030941 | 0.030941 | 0.238325 | 0.238325 | 1.578303 | 1.687138 | 1.687138 | 1.687138 | 1.687138 | 1.687138 | 1.687138 | 1.687138 | 1.687138 | 1.687138 | 1.687138 | 1.687138 | 1.687138 | 1.687138 | 1.264762 | 0.354803 | 0.759660 | -0.410451 |
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| 0.066469 | 0.042375 | 1.316687 | 2.514892 | 2.015461 | 3.308535 | 3.308535 | 2.623232 | 2.623232 | 2.165622 | 2.165622 | 0.364901 | 0.736888 | 0.736888 | 0.736888 | 0.736888 | 0.736888 | 0.736888 | 0.736888 | 0.736888 | 0.736888 | 0.736888 | 0.736888 | 0.736888 | 0.736888 | -1.260930 | -1.260930 | -0.640611 | -0.640611 | -1.197825 | -1.197825 | 3.090563 | 3.090563 | -0.266666 | -0.266666 | 0.134056 | 0.134056 | -0.959501 | -0.959501 | -2.258937 | -2.258937 | -0.929037 | -0.929037 | -1.864694 | -1.153762 | -1.153762 | -1.153762 | -1.153762 | -1.153762 | -1.153762 | -1.153762 | -1.153762 | -1.153762 | -1.153762 | -1.153762 | -1.153762 | -1.153762 | -0.484793 | -0.530985 | 1.210085 | 1.018614 |
| 0.066467 | 0.043957 | 3.129010 | 3.142905 | 1.641153 | 2.482952 | 2.482952 | 3.241847 | 3.241847 | 2.174534 | 2.174534 | 2.594946 | 1.243169 | 1.243169 | 1.243169 | 1.243169 | 1.243169 | 1.243169 | 1.243169 | 1.243169 | 1.243169 | 1.243169 | 1.243169 | 1.243169 | 1.243169 | -1.505307 | -1.505307 | -0.339228 | -0.339228 | 0.235091 | 0.235091 | 3.251600 | 3.251600 | 1.376537 | 1.376537 | -0.733280 | -0.733280 | -1.249701 | -1.249701 | -0.519185 | -0.519185 | 0.028732 | 0.028732 | -1.560465 | -0.715163 | -0.715163 | -0.715163 | -0.715163 | -0.715163 | -0.715163 | -0.715163 | -0.715163 | -0.715163 | -0.715163 | -0.715163 | -0.715163 | -0.715163 | -2.282019 | -0.489668 | 1.517079 | 0.686476 |
| 0.066465 | 0.04554 | 3.333562 | 2.709266 | 1.500826 | 1.565729 | 1.565729 | 2.233688 | 2.233688 | 2.275391 | 2.275391 | 3.296881 | 0.814886 | 0.814886 | 0.814886 | 0.814886 | 0.814886 | 0.814886 | 0.814886 | 0.814886 | 0.814886 | 0.814886 | 0.814886 | 0.814886 | 0.814886 | 0.776981 | 0.776981 | 0.288123 | 0.288123 | -0.688399 | -0.688399 | -0.335660 | -0.335660 | 0.346446 | 0.346446 | -0.532985 | -0.532985 | 0.128166 | 0.128166 | 0.415334 | 0.415334 | 0.291046 | 0.291046 | 0.126307 | -0.260549 | -0.260549 | -0.260549 | -0.260549 | -0.260549 | -0.260549 | -0.260549 | -0.260549 | -0.260549 | -0.260549 | -0.260549 | -0.260549 | -0.260549 | -1.378414 | 1.575764 | 0.291627 | -0.207704 |
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| 0.066459 | 0.050286 | 3.046221 | 1.752894 | 3.603054 | 0.877792 | 0.877792 | 1.382642 | 1.382642 | 0.519459 | 0.519459 | 2.496690 | -0.404870 | -0.404870 | -0.404870 | -0.404870 | -0.404870 | -0.404870 | -0.404870 | -0.404870 | -0.404870 | -0.404870 | -0.404870 | -0.404870 | -0.404870 | -1.747370 | -1.747370 | -1.382485 | -1.382485 | 1.077033 | 1.077033 | 0.976257 | 0.976257 | -0.048237 | -0.048237 | 2.724225 | 2.724225 | 2.571993 | 2.571993 | 1.017775 | 1.017775 | 2.180955 | 2.180955 | 1.053239 | 5.228594 | 5.228594 | 5.228594 | 5.228594 | 5.228594 | 5.228594 | 5.228594 | 5.228594 | 5.228594 | 5.228594 | 5.228594 | 5.228594 | 5.228594 | 1.931613 | 1.487945 | 1.257953 | 0.657690 |
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| 0.066423 | 0.077184 | -5.383971 | 0.595738 | 0.469092 | -0.401825 | -0.401825 | 0.462670 | 0.462670 | -3.039248 | -3.039248 | -1.934558 | -5.191898 | -5.191898 | -5.191898 | -5.191898 | -5.191898 | -5.191898 | -5.191898 | -5.191898 | -5.191898 | -5.191898 | -5.191898 | -5.191898 | -5.191898 | 2.407158 | 2.407158 | 0.754020 | 0.754020 | -9.724016 | -9.724016 | 11.473204 | 11.473204 | -4.006389 | -4.006389 | 1.719320 | 1.719320 | -0.545370 | -0.545370 | 0.403072 | 0.403072 | -0.105450 | -0.105450 | -1.041968 | -0.706857 | -0.706857 | -0.706857 | -0.706857 | -0.706857 | -0.706857 | -0.706857 | -0.706857 | -0.706857 | -0.706857 | -0.706857 | -0.706857 | -0.706857 | -3.427932 | -5.618722 | -2.418005 | -2.977404 |
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| 0.105158 | 0.006713 | 0.805673 | 0.384473 | 2.988451 | 0.219302 | 0.219302 | -2.019341 | -2.019341 | -1.733638 | -1.733638 | -1.911864 | 0.638949 | 0.638949 | 0.638949 | 0.638949 | 0.638949 | 0.638949 | 0.638949 | 0.638949 | 0.638949 | 0.638949 | 0.638949 | 0.638949 | 0.638949 | -3.562825 | -3.562825 | 2.184652 | 2.184652 | 3.118294 | 3.118294 | 0.467955 | 0.467955 | 2.488452 | 2.488452 | -0.158798 | -0.158798 | -1.871477 | -1.871477 | -1.357701 | -1.357701 | 1.647443 | 1.647443 | 4.401841 | -1.448671 | -1.448671 | -1.448671 | -1.448671 | -1.448671 | -1.448671 | -1.448671 | -1.448671 | -1.448671 | -1.448671 | -1.448671 | -1.448671 | -1.448671 | -1.353785 | 0.504278 | 0.365500 | 0.049876 |
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| 0.0734 | 0.013355 | 1.654983 | 0.602720 | 0.028257 | -0.520243 | -0.520243 | -0.858070 | -0.858070 | -0.680066 | -0.680066 | 1.333894 | -0.932982 | -0.932982 | -0.932982 | -0.932982 | -0.932982 | -0.932982 | -0.932982 | -0.932982 | -0.932982 | -0.932982 | -0.932982 | -0.932982 | -0.932982 | 1.124991 | 1.124991 | 0.589618 | 0.589618 | -0.292348 | -0.292348 | -0.843083 | -0.843083 | -0.515940 | -0.515940 | -2.112447 | -2.112447 | 0.769262 | 0.769262 | -1.233935 | -1.233935 | -0.746433 | -0.746433 | -0.219346 | 0.955379 | 0.955379 | 0.955379 | 0.955379 | 0.955379 | 0.955379 | 0.955379 | 0.955379 | 0.955379 | 0.955379 | 0.955379 | 0.955379 | 0.955379 | -1.179920 | 1.810901 | 0.815172 | 1.311695 |
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| 0.073371 | 0.033923 | 0.870777 | -0.423413 | 0.306735 | 0.018980 | 0.018980 | -2.229769 | -2.229769 | -0.666236 | -0.666236 | 0.742759 | 1.506254 | 1.506254 | 1.506254 | 1.506254 | 1.506254 | 1.506254 | 1.506254 | 1.506254 | 1.506254 | 1.506254 | 1.506254 | 1.506254 | 1.506254 | 1.378509 | 1.378509 | -0.358303 | -0.358303 | 1.272777 | 1.272777 | -0.191816 | -0.191816 | 0.512883 | 0.512883 | 0.880841 | 0.880841 | 1.073156 | 1.073156 | 0.617941 | 0.617941 | 2.280063 | 2.280063 | 0.952993 | 1.021556 | 1.021556 | 1.021556 | 1.021556 | 1.021556 | 1.021556 | 1.021556 | 1.021556 | 1.021556 | 1.021556 | 1.021556 | 1.021556 | 1.021556 | 0.630530 | 1.468035 | -0.836838 | -1.746131 |
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| 0.106504 | 0.067684 | -0.413159 | -1.694899 | -2.011047 | 3.321475 | 3.321475 | 1.489924 | 1.489924 | -2.263458 | -2.263458 | -4.027986 | 1.235507 | 1.235507 | 1.235507 | 1.235507 | 1.235507 | 1.235507 | 1.235507 | 1.235507 | 1.235507 | 1.235507 | 1.235507 | 1.235507 | 1.235507 | -1.234592 | -1.234592 | 0.197769 | 0.197769 | -0.140182 | -0.140182 | 9.981074 | 9.981074 | 3.057508 | 3.057508 | 0.733384 | 0.733384 | -12.584345 | -12.584345 | 7.622830 | 7.622830 | 1.032072 | 1.032072 | 2.082821 | 1.098058 | 1.098058 | 1.098058 | 1.098058 | 1.098058 | 1.098058 | 1.098058 | 1.098058 | 1.098058 | 1.098058 | 1.098058 | 1.098058 | 1.098058 | 2.928632 | 0.617326 | -0.346035 | 1.176528 |
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| 0.106415 | 0.039204 | 2.137872 | 0.680608 | 4.531982 | 0.785476 | 0.785476 | 0.012690 | 0.012690 | 2.991941 | 2.991941 | -1.745858 | 0.152897 | 0.152897 | 0.152897 | 0.152897 | 0.152897 | 0.152897 | 0.152897 | 0.152897 | 0.152897 | 0.152897 | 0.152897 | 0.152897 | 0.152897 | -2.143478 | -2.143478 | -0.199986 | -0.199986 | 0.672754 | 0.672754 | -0.348445 | -0.348445 | -1.299379 | -1.299379 | 0.514842 | 0.514842 | 0.836712 | 0.836712 | 0.567572 | 0.567572 | 0.764749 | 0.764749 | -0.633892 | 0.042396 | 0.042396 | 0.042396 | 0.042396 | 0.042396 | 0.042396 | 0.042396 | 0.042396 | 0.042396 | 0.042396 | 0.042396 | 0.042396 | 0.042396 | -1.434532 | -3.100285 | -0.871102 | -0.748530 |
| 0.10641 | 0.037622 | 3.201005 | 0.548728 | 1.693607 | 0.427732 | 0.427732 | 0.368214 | 0.368214 | 0.800118 | 0.800118 | -1.740750 | 1.225090 | 1.225090 | 1.225090 | 1.225090 | 1.225090 | 1.225090 | 1.225090 | 1.225090 | 1.225090 | 1.225090 | 1.225090 | 1.225090 | 1.225090 | -4.101834 | -4.101834 | -1.321131 | -1.321131 | -0.653039 | -0.653039 | 0.484271 | 0.484271 | -1.155790 | -1.155790 | 1.212799 | 1.212799 | 0.414096 | 0.414096 | -0.950824 | -0.950824 | -0.550808 | -0.550808 | -0.129056 | 1.007609 | 1.007609 | 1.007609 | 1.007609 | 1.007609 | 1.007609 | 1.007609 | 1.007609 | 1.007609 | 1.007609 | 1.007609 | 1.007609 | 1.007609 | -0.249106 | -2.760967 | 1.478979 | -1.833016 |
| 0.106405 | 0.03604 | 0.193001 | 1.051390 | 0.789295 | 1.197896 | 1.197896 | 0.610186 | 0.610186 | 0.819735 | 0.819735 | -1.784526 | 1.726947 | 1.726947 | 1.726947 | 1.726947 | 1.726947 | 1.726947 | 1.726947 | 1.726947 | 1.726947 | 1.726947 | 1.726947 | 1.726947 | 1.726947 | 2.398592 | 2.398592 | -0.953878 | -0.953878 | -0.794529 | -0.794529 | 1.764119 | 1.764119 | 1.089054 | 1.089054 | -0.333279 | -0.333279 | -0.308349 | -0.308349 | -1.664179 | -1.664179 | -2.116862 | -2.116862 | 0.691001 | 2.395700 | 2.395700 | 2.395700 | 2.395700 | 2.395700 | 2.395700 | 2.395700 | 2.395700 | 2.395700 | 2.395700 | 2.395700 | 2.395700 | 2.395700 | -2.281842 | -2.732615 | 1.262740 | -1.664216 |
| 0.1064 | 0.034458 | -0.249400 | 0.248504 | -1.657103 | 0.377031 | 0.377031 | 1.596779 | 1.596779 | 0.280224 | 0.280224 | -1.758321 | 1.278561 | 1.278561 | 1.278561 | 1.278561 | 1.278561 | 1.278561 | 1.278561 | 1.278561 | 1.278561 | 1.278561 | 1.278561 | 1.278561 | 1.278561 | 3.213403 | 3.213403 | -0.627699 | -0.627699 | 0.363783 | 0.363783 | 0.961336 | 0.961336 | 2.431662 | 2.431662 | -1.066276 | -1.066276 | -2.111991 | -2.111991 | -0.655181 | -0.655181 | -2.242667 | -2.242667 | 0.281167 | 2.392651 | 2.392651 | 2.392651 | 2.392651 | 2.392651 | 2.392651 | 2.392651 | 2.392651 | 2.392651 | 2.392651 | 2.392651 | 2.392651 | 2.392651 | -4.246713 | -0.278470 | 0.761465 | 1.578806 |
| 0.106395 | 0.032876 | -0.183357 | -1.621096 | -3.863886 | -2.078559 | -2.078559 | -0.061630 | -0.061630 | -0.691574 | -0.691574 | -2.586512 | 1.023694 | 1.023694 | 1.023694 | 1.023694 | 1.023694 | 1.023694 | 1.023694 | 1.023694 | 1.023694 | 1.023694 | 1.023694 | 1.023694 | 1.023694 | 3.072430 | 3.072430 | -0.282240 | -0.282240 | 1.539747 | 1.539747 | 1.098734 | 1.098734 | 2.089834 | 2.089834 | -0.274069 | -0.274069 | -2.030593 | -2.030593 | -0.310772 | -0.310772 | -1.908356 | -1.908356 | -1.469927 | 1.180306 | 1.180306 | 1.180306 | 1.180306 | 1.180306 | 1.180306 | 1.180306 | 1.180306 | 1.180306 | 1.180306 | 1.180306 | 1.180306 | 1.180306 | -2.693987 | 0.380485 | -0.199419 | -0.027468 |
| 0.10639 | 0.031293 | -0.921778 | -3.343058 | -3.032519 | -3.280058 | -3.280058 | -1.350007 | -1.350007 | -0.612297 | -0.612297 | -1.505429 | 1.059969 | 1.059969 | 1.059969 | 1.059969 | 1.059969 | 1.059969 | 1.059969 | 1.059969 | 1.059969 | 1.059969 | 1.059969 | 1.059969 | 1.059969 | 2.506349 | 2.506349 | 1.193848 | 1.193848 | 0.561344 | 0.561344 | -0.804790 | -0.804790 | 2.140816 | 2.140816 | 0.262165 | 0.262165 | 0.579464 | 0.579464 | -0.084717 | -0.084717 | 1.931145 | 1.931145 | -3.973544 | 0.094483 | 0.094483 | 0.094483 | 0.094483 | 0.094483 | 0.094483 | 0.094483 | 0.094483 | 0.094483 | 0.094483 | 0.094483 | 0.094483 | 0.094483 | -0.505341 | 0.969243 | -1.639825 | 0.560388 |
| 0.106385 | 0.029711 | -1.026607 | -1.682492 | -1.752824 | -1.714657 | -1.714657 | -3.428123 | -3.428123 | -0.835329 | -0.835329 | -1.687813 | 0.297691 | 0.297691 | 0.297691 | 0.297691 | 0.297691 | 0.297691 | 0.297691 | 0.297691 | 0.297691 | 0.297691 | 0.297691 | 0.297691 | 0.297691 | 1.388825 | 1.388825 | 1.373587 | 1.373587 | 0.545826 | 0.545826 | -0.938050 | -0.938050 | 1.942452 | 1.942452 | -0.234885 | -0.234885 | 0.118582 | 0.118582 | -1.245665 | -1.245665 | 1.159685 | 1.159685 | -2.580641 | 0.677959 | 0.677959 | 0.677959 | 0.677959 | 0.677959 | 0.677959 | 0.677959 | 0.677959 | 0.677959 | 0.677959 | 0.677959 | 0.677959 | 0.677959 | 1.413951 | 0.540916 | -0.005437 | 4.546994 |
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| 0.106375 | 0.026547 | 5.051677 | -0.819866 | -0.258169 | 0.828945 | 0.828945 | -1.417778 | -1.417778 | 2.275974 | 2.275974 | 3.386388 | 3.198942 | 3.198942 | 3.198942 | 3.198942 | 3.198942 | 3.198942 | 3.198942 | 3.198942 | 3.198942 | 3.198942 | 3.198942 | 3.198942 | 3.198942 | 0.909211 | 0.909211 | 0.843156 | 0.843156 | -0.857384 | -0.857384 | -0.149363 | -0.149363 | 1.257428 | 1.257428 | -1.381217 | -1.381217 | -2.291006 | -2.291006 | -0.178016 | -0.178016 | -0.748922 | -0.748922 | -0.626064 | -1.959566 | -1.959566 | -1.959566 | -1.959566 | -1.959566 | -1.959566 | -1.959566 | -1.959566 | -1.959566 | -1.959566 | -1.959566 | -1.959566 | -1.959566 | 1.555848 | 2.417641 | -0.573229 | 0.597635 |
| 0.10637 | 0.024965 | 1.652782 | 5.304425 | -1.575544 | 0.016777 | 0.016777 | -1.688758 | -1.688758 | 1.797175 | 1.797175 | 4.098478 | 1.044034 | 1.044034 | 1.044034 | 1.044034 | 1.044034 | 1.044034 | 1.044034 | 1.044034 | 1.044034 | 1.044034 | 1.044034 | 1.044034 | 1.044034 | 0.610612 | 0.610612 | -3.024684 | -3.024684 | -0.962592 | -0.962592 | -1.197152 | -1.197152 | 1.538670 | 1.538670 | -1.306998 | -1.306998 | -2.453426 | -2.453426 | 0.926680 | 0.926680 | -0.047692 | -0.047692 | -1.559575 | 0.088716 | 0.088716 | 0.088716 | 0.088716 | 0.088716 | 0.088716 | 0.088716 | 0.088716 | 0.088716 | 0.088716 | 0.088716 | 0.088716 | 0.088716 | 1.094533 | 3.315274 | 0.973781 | 0.685827 |
| 0.106365 | 0.023382 | 2.139370 | 2.396050 | -2.683950 | -1.009241 | -1.009241 | -0.697455 | -0.697455 | -1.050289 | -1.050289 | -1.621248 | 0.592931 | 0.592931 | 0.592931 | 0.592931 | 0.592931 | 0.592931 | 0.592931 | 0.592931 | 0.592931 | 0.592931 | 0.592931 | 0.592931 | 0.592931 | -0.255656 | -0.255656 | -0.784981 | -0.784981 | -0.839146 | -0.839146 | -1.115175 | -1.115175 | 0.956104 | 0.956104 | -0.579137 | -0.579137 | -2.303461 | -2.303461 | 0.275953 | 0.275953 | 0.740630 | 0.740630 | -1.485580 | 1.022788 | 1.022788 | 1.022788 | 1.022788 | 1.022788 | 1.022788 | 1.022788 | 1.022788 | 1.022788 | 1.022788 | 1.022788 | 1.022788 | 1.022788 | -0.163663 | 2.277797 | -1.196424 | 0.265099 |
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| 0.10635 | 0.018636 | 0.063072 | 4.954048 | 0.232622 | 0.248455 | 0.248455 | 1.864342 | 1.864342 | 1.713320 | 1.713320 | 1.255311 | -0.461992 | -0.461992 | -0.461992 | -0.461992 | -0.461992 | -0.461992 | -0.461992 | -0.461992 | -0.461992 | -0.461992 | -0.461992 | -0.461992 | -0.461992 | -0.400579 | -0.400579 | -4.353809 | -4.353809 | 0.290440 | 0.290440 | 1.054722 | 1.054722 | -3.909684 | -3.909684 | -4.158774 | -4.158774 | 0.076861 | 0.076861 | -0.228420 | -0.228420 | -0.618715 | -0.618715 | 1.707286 | -1.824756 | -1.824756 | -1.824756 | -1.824756 | -1.824756 | -1.824756 | -1.824756 | -1.824756 | -1.824756 | -1.824756 | -1.824756 | -1.824756 | -1.824756 | -6.495655 | -0.489092 | -0.185578 | -0.807107 |
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| 0.096964 | 0.013954 | 0.152450 | -2.443171 | 0.860036 | 0.476617 | 0.476617 | 0.486847 | 0.486847 | -0.267157 | -0.267157 | -1.449010 | 0.377371 | 0.377371 | 0.377371 | 0.377371 | 0.377371 | 0.377371 | 0.377371 | 0.377371 | 0.377371 | 0.377371 | 0.377371 | 0.377371 | 0.377371 | -1.205448 | -1.205448 | -0.807331 | -0.807331 | 2.312041 | 2.312041 | 4.865455 | 4.865455 | 0.862341 | 0.862341 | 4.197396 | 4.197396 | 1.941532 | 1.941532 | -0.579311 | -0.579311 | 1.420903 | 1.420903 | 0.599353 | 2.821582 | 2.821582 | 2.821582 | 2.821582 | 2.821582 | 2.821582 | 2.821582 | 2.821582 | 2.821582 | 2.821582 | 2.821582 | 2.821582 | 2.821582 | 1.725563 | 3.311313 | 1.968473 | 2.804969 |
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| 0.09539 | 0.022064 | -1.257129 | 0.604860 | 0.090740 | -0.712931 | -0.712931 | 0.003978 | 0.003978 | -1.304383 | -1.304383 | -2.355040 | 0.987058 | 0.987058 | 0.987058 | 0.987058 | 0.987058 | 0.987058 | 0.987058 | 0.987058 | 0.987058 | 0.987058 | 0.987058 | 0.987058 | 0.987058 | 0.878788 | 0.878788 | -2.203641 | -2.203641 | -2.424855 | -2.424855 | -2.846469 | -2.846469 | -2.348166 | -2.348166 | -1.693154 | -1.693154 | -0.674796 | -0.674796 | -1.346459 | -1.346459 | -2.237388 | -2.237388 | -3.074055 | 1.954056 | 1.954056 | 1.954056 | 1.954056 | 1.954056 | 1.954056 | 1.954056 | 1.954056 | 1.954056 | 1.954056 | 1.954056 | 1.954056 | 1.954056 | 1.214448 | 2.677299 | 1.311800 | 0.884000 |
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| 0.092225 | 0.022064 | 0.832930 | 1.735939 | 2.638271 | 0.256041 | 0.256041 | -0.071636 | -0.071636 | -0.236778 | -0.236778 | -0.831816 | 2.361888 | 2.361888 | 2.361888 | 2.361888 | 2.361888 | 2.361888 | 2.361888 | 2.361888 | 2.361888 | 2.361888 | 2.361888 | 2.361888 | 2.361888 | 0.672926 | 0.672926 | 2.116162 | 2.116162 | 1.397539 | 1.397539 | -0.830093 | -0.830093 | -0.084137 | -0.084137 | -2.558519 | -2.558519 | -1.023310 | -1.023310 | 0.883827 | 0.883827 | 1.165769 | 1.165769 | 2.848029 | -0.127989 | -0.127989 | -0.127989 | -0.127989 | -0.127989 | -0.127989 | -0.127989 | -0.127989 | -0.127989 | -0.127989 | -0.127989 | -0.127989 | -0.127989 | 0.504747 | 0.050359 | 0.438444 | -1.682463 |
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| 0.088724 | 0.02331 | 3.319895 | -1.242874 | 1.320443 | 0.024452 | 0.024452 | 1.325565 | 1.325565 | 0.396540 | 0.396540 | 0.240671 | 1.243015 | 1.243015 | 1.243015 | 1.243015 | 1.243015 | 1.243015 | 1.243015 | 1.243015 | 1.243015 | 1.243015 | 1.243015 | 1.243015 | 1.243015 | -0.262568 | -0.262568 | 4.439218 | 4.439218 | 1.418952 | 1.418952 | -0.442188 | -0.442188 | 1.912116 | 1.912116 | 1.001189 | 1.001189 | -0.483946 | -0.483946 | -0.357194 | -0.357194 | 0.892357 | 0.892357 | 3.308141 | 5.945343 | 5.945343 | 5.945343 | 5.945343 | 5.945343 | 5.945343 | 5.945343 | 5.945343 | 5.945343 | 5.945343 | 5.945343 | 5.945343 | 5.945343 | -3.668296 | 1.204198 | 0.355041 | 0.637477 |
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| 0.088724 | 0.029638 | 0.104751 | 2.690173 | 1.338288 | 2.243971 | 2.243971 | 0.539191 | 0.539191 | 0.158147 | 0.158147 | 1.397944 | -2.591993 | -2.591993 | -2.591993 | -2.591993 | -2.591993 | -2.591993 | -2.591993 | -2.591993 | -2.591993 | -2.591993 | -2.591993 | -2.591993 | -2.591993 | -3.736293 | -3.736293 | -3.261570 | -3.261570 | -3.566486 | -3.566486 | 0.055828 | 0.055828 | -2.584693 | -2.584693 | -0.051907 | -0.051907 | 3.276196 | 3.276196 | 2.515274 | 2.515274 | 2.129604 | 2.129604 | 0.386619 | 4.814654 | 4.814654 | 4.814654 | 4.814654 | 4.814654 | 4.814654 | 4.814654 | 4.814654 | 4.814654 | 4.814654 | 4.814654 | 4.814654 | 4.814654 | 1.043324 | 2.567217 | 1.680865 | 0.272721 |
| 0.088724 | 0.031221 | 0.215897 | 2.052615 | 1.322023 | 1.037077 | 1.037077 | 1.742114 | 1.742114 | -0.218172 | -0.218172 | 3.904358 | -2.769622 | -2.769622 | -2.769622 | -2.769622 | -2.769622 | -2.769622 | -2.769622 | -2.769622 | -2.769622 | -2.769622 | -2.769622 | -2.769622 | -2.769622 | -2.655321 | -2.655321 | -4.302734 | -4.302734 | -0.140109 | -0.140109 | -1.317271 | -1.317271 | -0.857694 | -0.857694 | 0.654187 | 0.654187 | 0.549038 | 0.549038 | -1.130690 | -1.130690 | 4.427269 | 4.427269 | -0.070439 | 1.313164 | 1.313164 | 1.313164 | 1.313164 | 1.313164 | 1.313164 | 1.313164 | 1.313164 | 1.313164 | 1.313164 | 1.313164 | 1.313164 | 1.313164 | -1.034059 | 1.014838 | 1.130515 | 0.229877 |
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| 0.088724 | 0.037549 | 0.816150 | 0.761198 | 0.504074 | 2.379140 | 2.379140 | -1.804672 | -1.804672 | -1.217324 | -1.217324 | -0.528226 | -3.327169 | -3.327169 | -3.327169 | -3.327169 | -3.327169 | -3.327169 | -3.327169 | -3.327169 | -3.327169 | -3.327169 | -3.327169 | -3.327169 | -3.327169 | -1.769287 | -1.769287 | -1.793055 | -1.793055 | -1.578047 | -1.578047 | 0.024706 | 0.024706 | -0.059998 | -0.059998 | 0.564502 | 0.564502 | 2.357116 | 2.357116 | 5.013475 | 5.013475 | 3.161371 | 3.161371 | 2.190022 | 1.031477 | 1.031477 | 1.031477 | 1.031477 | 1.031477 | 1.031477 | 1.031477 | 1.031477 | 1.031477 | 1.031477 | 1.031477 | 1.031477 | 1.031477 | -0.205598 | 2.690947 | -0.018590 | 0.516352 |
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| 0.088724 | 0.047043 | 0.262155 | -1.373014 | 0.918520 | 1.459251 | 1.459251 | -0.575013 | -0.575013 | -1.207570 | -1.207570 | -1.826113 | 1.026782 | 1.026782 | 1.026782 | 1.026782 | 1.026782 | 1.026782 | 1.026782 | 1.026782 | 1.026782 | 1.026782 | 1.026782 | 1.026782 | 1.026782 | 0.776199 | 0.776199 | -2.636457 | -2.636457 | -0.717138 | -0.717138 | 0.220312 | 0.220312 | -1.090378 | -1.090378 | 0.795344 | 0.795344 | 2.036158 | 2.036158 | -0.074841 | -0.074841 | 0.140615 | 0.140615 | 0.511818 | -2.246154 | -2.246154 | -2.246154 | -2.246154 | -2.246154 | -2.246154 | -2.246154 | -2.246154 | -2.246154 | -2.246154 | -2.246154 | -2.246154 | -2.246154 | -0.507198 | -0.341770 | -1.582233 | 1.470025 |
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| 0.088724 | 0.054954 | 0.636697 | 1.608721 | 0.148478 | 1.110007 | 1.110007 | -0.310070 | -0.310070 | -1.998278 | -1.998278 | -1.541859 | 0.280061 | 0.280061 | 0.280061 | 0.280061 | 0.280061 | 0.280061 | 0.280061 | 0.280061 | 0.280061 | 0.280061 | 0.280061 | 0.280061 | 0.280061 | 0.137203 | 0.137203 | 0.914053 | 0.914053 | -1.522386 | -1.522386 | -1.576802 | -1.576802 | 0.183887 | 0.183887 | -0.428603 | -0.428603 | -2.808186 | -2.808186 | -0.474161 | -0.474161 | -0.277695 | -0.277695 | -2.191402 | -2.615916 | -2.615916 | -2.615916 | -2.615916 | -2.615916 | -2.615916 | -2.615916 | -2.615916 | -2.615916 | -2.615916 | -2.615916 | -2.615916 | -2.615916 | -0.056557 | -0.232341 | 3.261649 | 2.214147 |
| 0.088724 | 0.056536 | 0.854339 | 0.442600 | -0.331307 | 0.479487 | 0.479487 | -4.616200 | -4.616200 | 0.907790 | 0.907790 | -0.793276 | 0.298605 | 0.298605 | 0.298605 | 0.298605 | 0.298605 | 0.298605 | 0.298605 | 0.298605 | 0.298605 | 0.298605 | 0.298605 | 0.298605 | 0.298605 | 1.929189 | 1.929189 | 2.124199 | 2.124199 | 0.337041 | 0.337041 | 0.488773 | 0.488773 | 1.200646 | 1.200646 | -0.360056 | -0.360056 | -1.843277 | -1.843277 | -1.201064 | -1.201064 | -0.946640 | -0.946640 | -0.863670 | 0.764943 | 0.764943 | 0.764943 | 0.764943 | 0.764943 | 0.764943 | 0.764943 | 0.764943 | 0.764943 | 0.764943 | 0.764943 | 0.764943 | 0.764943 | 2.203572 | 1.185381 | 3.618490 | 0.804745 |
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