

## r.R

Dmbewe

2021-05-23

```
setwd("C:/Users/DMbewe/OneDrive - WRHI/Desktop/UCI HAR Dataset")

x_train <- read.table("./train/X_train.txt")
y_train <- read.table("./train/Y_train.txt")
sub_train <- read.table("./train/subject_train.txt")

x_test <- read.table("./test/X_test.txt")
y_test <- read.table("./test/Y_test.txt")
sub_test <- read.table("./test/subject_test.txt")

features <- read.table("./features.txt")

activity_labels <- read.table("./activity_labels.txt")

x <- rbind(x_train, x_test)
y <- rbind(y_train, y_test)
xy <- rbind(sub_train, sub_test)

colnames(x) <- "features"
colnames(y) <- "activity"
colnames(xy) <- "subject"

all <- cbind(xy, y, x)

all$activity <- factor(all$activity, levels = activity_labels[,1], labels =
activity_labels[,2])
all$subject <- as.factor(all$subject)

write.table(all, file = "./tidydata.txt", row.names = FALSE, col.names =
TRUE)
all
```

| ##   | subject | activity | features                             | NA | NA |
|------|---------|----------|--------------------------------------|----|----|
| ## 1 | 1       | STANDING | 0.28858451 -0.0202941710 -0.13290514 |    |    |
| ## 2 | 1       | STANDING | 0.27841883 -0.0164105680 -0.12352019 |    |    |
| ## 3 | 1       | STANDING | 0.27965306 -0.0194671560 -0.11346169 |    |    |
| ## 4 | 1       | STANDING | 0.27917394 -0.0262006460 -0.12328257 |    |    |
| ## 5 | 1       | STANDING | 0.27662877 -0.0165696550 -0.11536185 |    |    |
| ## 6 | 1       | STANDING | 0.27719877 -0.0100978500 -0.10513725 |    |    |
| ## 7 | 1       | STANDING | 0.27945388 -0.0196407760 -0.11002215 |    |    |

|       |   |          |             |               |             |
|-------|---|----------|-------------|---------------|-------------|
| ## 8  | 1 | STANDING | 0.27743247  | -0.0304883030 | -0.12536043 |
| ## 9  | 1 | STANDING | 0.27729342  | -0.0217506980 | -0.12075082 |
| ## 10 | 1 | STANDING | 0.28058569  | -0.0099602983 | -0.10606516 |
| ## 11 | 1 | STANDING | 0.27688027  | -0.0127218050 | -0.10343832 |
| ## 12 | 1 | STANDING | 0.27622817  | -0.0214413020 | -0.10820234 |
| ## 13 | 1 | STANDING | 0.27845700  | -0.0204147610 | -0.11273172 |
| ## 14 | 1 | STANDING | 0.27717497  | -0.0147128020 | -0.10675647 |
| ## 15 | 1 | STANDING | 0.29794572  | 0.0270939080  | -0.06166812 |
| ## 16 | 1 | STANDING | 0.27920345  | -0.0230201430 | -0.12208028 |
| ## 17 | 1 | STANDING | 0.27903836  | -0.0148003780 | -0.11684896 |
| ## 18 | 1 | STANDING | 0.28013490  | -0.0139169510 | -0.10637048 |
| ## 19 | 1 | STANDING | 0.27773106  | -0.0182107180 | -0.10918803 |
| ## 20 | 1 | STANDING | 0.27556818  | -0.0169796980 | -0.11142918 |
| ## 21 | 1 | STANDING | 0.27756171  | -0.0143184870 | -0.10787724 |
| ## 22 | 1 | STANDING | 0.27715238  | -0.0179833280 | -0.10660117 |
| ## 23 | 1 | STANDING | 0.27567630  | -0.0212642340 | -0.11080122 |
| ## 24 | 1 | STANDING | 0.27920020  | -0.0177144270 | -0.10916135 |
| ## 25 | 1 | STANDING | 0.28171549  | -0.0119106780 | -0.10287513 |
| ## 26 | 1 | STANDING | 0.27899267  | -0.0145310290 | -0.10659617 |
| ## 27 | 1 | STANDING | 0.27573444  | -0.0180188400 | -0.10677578 |
| ## 28 | 1 | SITTING  | 0.14450396  | 0.1892632600  | 0.06276932  |
| ## 29 | 1 | SITTING  | 0.28725164  | -0.0374550640 | -0.14597431 |
| ## 30 | 1 | SITTING  | 0.27999760  | -0.0194840360 | -0.10572355 |
| ## 31 | 1 | SITTING  | 0.22184689  | 0.0341076750  | -0.12361242 |
| ## 32 | 1 | SITTING  | -0.04170131 | 0.1751024800  | 0.02555178  |
| ## 33 | 1 | SITTING  | 0.01390367  | 0.1532960800  | 0.01624295  |
| ## 34 | 1 | SITTING  | 0.30368927  | -0.0042428053 | -0.15085028 |
| ## 35 | 1 | SITTING  | 0.29075969  | -0.0240347600 | -0.11673889 |
| ## 36 | 1 | SITTING  | 0.27090823  | -0.0144129680 | -0.10652245 |
| ## 37 | 1 | SITTING  | 0.27955340  | -0.0170011470 | -0.11051668 |
| ## 38 | 1 | SITTING  | 0.27635864  | -0.0161380880 | -0.10803259 |
| ## 39 | 1 | SITTING  | 0.23715407  | 0.0078251224  | -0.12283791 |
| ## 40 | 1 | SITTING  | 0.27310840  | 0.0065181116  | -0.10947182 |
| ## 41 | 1 | SITTING  | 0.28150539  | -0.0184348590 | -0.11139287 |
| ## 42 | 1 | SITTING  | 0.27843225  | -0.0196543020 | -0.10797029 |
| ## 43 | 1 | SITTING  | 0.27337960  | -0.0099401064 | -0.10839283 |
| ## 44 | 1 | SITTING  | 0.27905615  | -0.0162609700 | -0.11281565 |
| ## 45 | 1 | SITTING  | 0.27859910  | -0.0199101420 | -0.11118060 |
| ## 46 | 1 | SITTING  | 0.27328142  | -0.0111272090 | -0.10634926 |
| ## 47 | 1 | SITTING  | 0.27853812  | -0.0161734320 | -0.10970656 |
| ## 48 | 1 | SITTING  | 0.27746121  | -0.0174910160 | -0.10635945 |
| ## 49 | 1 | SITTING  | 0.27394057  | -0.0131475840 | -0.10543517 |
| ## 50 | 1 | SITTING  | 0.27930326  | -0.0205213830 | -0.11323643 |
| ## 51 | 1 | SITTING  | 0.27908720  | -0.0190832420 | -0.10588882 |
| ## 52 | 1 | LAYING   | 0.40347433  | -0.0150744040 | -0.11816739 |
| ## 53 | 1 | LAYING   | 0.27837321  | -0.0205609640 | -0.09682457 |
| ## 54 | 1 | LAYING   | 0.27655526  | -0.0178685500 | -0.10762126 |
| ## 55 | 1 | LAYING   | 0.27957476  | -0.0172757220 | -0.10948053 |
| ## 56 | 1 | LAYING   | 0.27652699  | -0.0168191000 | -0.10798311 |
| ## 57 | 1 | LAYING   | 0.27812334  | -0.0171463030 | -0.10801374 |

|        |   |         |             |               |             |
|--------|---|---------|-------------|---------------|-------------|
| ## 58  | 1 | LAYING  | 0.27800654  | -0.0178031700 | -0.10896485 |
| ## 59  | 1 | LAYING  | 0.28020640  | -0.0183962600 | -0.10748863 |
| ## 60  | 1 | LAYING  | 0.28182774  | -0.0186264740 | -0.10527824 |
| ## 61  | 1 | LAYING  | 0.27672941  | -0.0172095480 | -0.10563797 |
| ## 62  | 1 | LAYING  | 0.27588359  | -0.0161503090 | -0.10882921 |
| ## 63  | 1 | LAYING  | 0.27783021  | -0.0176840540 | -0.10570350 |
| ## 64  | 1 | LAYING  | 0.27937115  | -0.0176449530 | -0.10818111 |
| ## 65  | 1 | LAYING  | 0.01901615  | -0.0070373566 | -0.02833336 |
| ## 66  | 1 | LAYING  | 0.34020850  | -0.0364529840 | -0.10625819 |
| ## 67  | 1 | LAYING  | -0.16642569 | -0.1193525100 | 0.13303497  |
| ## 68  | 1 | LAYING  | -0.23910256 | -0.0969043910 | 0.14803461  |
| ## 69  | 1 | LAYING  | 0.34696848  | 0.0694086470  | -0.20082552 |
| ## 70  | 1 | LAYING  | 0.30383319  | 0.1036482000  | -0.24533103 |
| ## 71  | 1 | LAYING  | -0.36120533 | -0.2681211100 | 0.17689637  |
| ## 72  | 1 | LAYING  | -0.27706634 | -0.6840965900 | 0.34665772  |
| ## 73  | 1 | LAYING  | 0.25747650  | -0.4138653400 | 0.01737419  |
| ## 74  | 1 | LAYING  | 0.27683965  | -0.0271476600 | -0.12317480 |
| ## 75  | 1 | LAYING  | 0.26865095  | 0.0164301540  | -0.10372571 |
| ## 76  | 1 | LAYING  | 0.28526329  | -0.0088888110 | -0.10374518 |
| ## 77  | 1 | LAYING  | 0.28347732  | -0.0075244582 | -0.10928717 |
| ## 78  | 1 | LAYING  | 0.27302712  | -0.0101967570 | -0.11115339 |
| ## 79  | 1 | WALKING | 0.28202157  | -0.0376962180 | -0.13489730 |
| ## 80  | 1 | WALKING | 0.25584075  | -0.0645500290 | -0.09518634 |
| ## 81  | 1 | WALKING | 0.25486723  | 0.0038147234  | -0.12365809 |
| ## 82  | 1 | WALKING | 0.34337048  | -0.0144462210 | -0.16737697 |
| ## 83  | 1 | WALKING | 0.27623973  | -0.0296384130 | -0.14261631 |
| ## 84  | 1 | WALKING | 0.25546822  | 0.0212190630  | -0.04894943 |
| ## 85  | 1 | WALKING | 0.32113983  | 0.0015817951  | -0.04355370 |
| ## 86  | 1 | WALKING | 0.23466590  | -0.0495477190 | -0.11175723 |
| ## 87  | 1 | WALKING | 0.31263404  | -0.0263677490 | -0.13095121 |
| ## 88  | 1 | WALKING | 0.27691540  | -0.0354862100 | -0.08056918 |
| ## 89  | 1 | WALKING | 0.20530739  | -0.0085082782 | -0.11964696 |
| ## 90  | 1 | WALKING | 0.30699599  | -0.0137869800 | -0.18016197 |
| ## 91  | 1 | WALKING | 0.28151325  | -0.0408008980 | -0.13467496 |
| ## 92  | 1 | WALKING | 0.30388542  | 0.0027680377  | -0.03861309 |
| ## 93  | 1 | WALKING | 0.35419290  | -0.0125609350 | -0.05868094 |
| ## 94  | 1 | WALKING | 0.22229785  | -0.0186596830 | -0.11718642 |
| ## 95  | 1 | WALKING | 0.21448125  | 0.0099387454  | -0.12307300 |
| ## 96  | 1 | WALKING | 0.32731657  | -0.0222558210 | -0.14914390 |
| ## 97  | 1 | WALKING | 0.34905910  | -0.0220037840 | -0.15005217 |
| ## 98  | 1 | WALKING | 0.26468173  | -0.0085919266 | -0.10297373 |
| ## 99  | 1 | WALKING | 0.28431748  | -0.0272058150 | -0.21230304 |
| ## 100 | 1 | WALKING | 0.22172674  | -0.0243769700 | -0.07507641 |
| ## 101 | 1 | WALKING | 0.29097148  | -0.0278104180 | -0.04298254 |
| ## 102 | 1 | WALKING | 0.26108077  | -0.0156356210 | -0.10258842 |
| ## 103 | 1 | WALKING | 0.25242505  | 0.0062773455  | -0.12518006 |
| ## 104 | 1 | WALKING | 0.35878664  | -0.0169545050 | -0.15477656 |
| ## 105 | 1 | WALKING | 0.25693500  | -0.0105774010 | -0.10544192 |
| ## 106 | 1 | WALKING | 0.29855414  | 0.0007944557  | -0.04069567 |
| ## 107 | 1 | WALKING | 0.30804575  | -0.0233004580 | -0.07970154 |

|        |   |                    |            |               |             |
|--------|---|--------------------|------------|---------------|-------------|
| ## 108 | 1 | WALKING            | 0.20356167 | -0.0305052300 | -0.13709513 |
| ## 109 | 1 | WALKING            | 0.28056095 | -0.0114246530 | -0.15619795 |
| ## 110 | 1 | WALKING            | 0.33216933 | -0.0345858280 | -0.15926922 |
| ## 111 | 1 | WALKING            | 0.28703017 | -0.0272399300 | -0.11750002 |
| ## 112 | 1 | WALKING            | 0.30159413 | -0.0446530020 | -0.08151395 |
| ## 113 | 1 | WALKING            | 0.24608919 | -0.0161754230 | -0.11188336 |
| ## 114 | 1 | WALKING            | 0.29272439 | -0.0021398385 | -0.14034852 |
| ## 115 | 1 | WALKING            | 0.33156003 | -0.0074950152 | -0.13173868 |
| ## 116 | 1 | WALKING            | 0.20201055 | -0.0090379452 | -0.07909586 |
| ## 117 | 1 | WALKING            | 0.30363491 | -0.0146567690 | -0.04261383 |
| ## 118 | 1 | WALKING            | 0.35919361 | -0.0180797180 | -0.07234686 |
| ## 119 | 1 | WALKING            | 0.22442754 | -0.0314643530 | -0.12726298 |
| ## 120 | 1 | WALKING            | 0.23995826 | -0.0097107196 | -0.12197022 |
| ## 121 | 1 | WALKING            | 0.28972747 | 0.0153427200  | -0.11667518 |
| ## 122 | 1 | WALKING            | 0.30830537 | -0.0198828450 | -0.16044667 |
| ## 123 | 1 | WALKING            | 0.32746543 | -0.0356669600 | -0.18182373 |
| ## 124 | 1 | WALKING            | 0.23841102 | -0.0231963890 | -0.11255181 |
| ## 125 | 1 | WALKING            | 0.18019430 | -0.0177968460 | -0.03934704 |
| ## 126 | 1 | WALKING_DOWNSTAIRS | 0.35845532 | 0.0179753850  | -0.08415912 |
| ## 127 | 1 | WALKING_DOWNSTAIRS | 0.30171512 | -0.0070493914 | -0.09368145 |
| ## 128 | 1 | WALKING_DOWNSTAIRS | 0.28155172 | -0.0161102890 | -0.14009252 |
| ## 129 | 1 | WALKING_DOWNSTAIRS | 0.27395574 | -0.0228992920 | -0.12725614 |
| ## 130 | 1 | WALKING_DOWNSTAIRS | 0.29995717 | 0.0140821230  | -0.08231040 |
| ## 131 | 1 | WALKING_DOWNSTAIRS | 0.26537379 | -0.0171562110 | -0.13877347 |
| ## 132 | 1 | WALKING_DOWNSTAIRS | 0.27763311 | -0.0372675800 | -0.10002093 |
| ## 133 | 1 | WALKING_DOWNSTAIRS | 0.26688016 | -0.0023073023 | -0.06372715 |
| ## 134 | 1 | WALKING_DOWNSTAIRS | 0.21070047 | -0.0059687620 | -0.10959150 |
| ## 135 | 1 | WALKING_DOWNSTAIRS | 0.28521305 | -0.0202024590 | -0.01102421 |
| ## 136 | 1 | WALKING_DOWNSTAIRS | 0.46994580 | -0.0336241090 | -0.14125420 |
| ## 137 | 1 | WALKING_DOWNSTAIRS | 0.23528441 | -0.0145704670 | -0.20841776 |
| ## 138 | 1 | WALKING_DOWNSTAIRS | 0.16691360 | -0.0337328800 | -0.13334869 |
| ## 139 | 1 | WALKING_DOWNSTAIRS | 0.44562097 | -0.0119027090 | -0.15116909 |
| ## 140 | 1 | WALKING_DOWNSTAIRS | 0.23179921 | -0.0075220252 | -0.05580101 |
| ## 141 | 1 | WALKING_DOWNSTAIRS | 0.28134949 | -0.0007098312 | -0.00869990 |
| ## 142 | 1 | WALKING_DOWNSTAIRS | 0.36248249 | -0.0035526939 | -0.18104462 |
| ## 143 | 1 | WALKING_DOWNSTAIRS | 0.43503687 | -0.0065917495 | -0.08290993 |
| ## 144 | 1 | WALKING_DOWNSTAIRS | 0.35119884 | 0.0218667280  | -0.14942620 |
| ## 145 | 1 | WALKING_DOWNSTAIRS | 0.13046118 | -0.0549969200 | -0.13178649 |
| ## 146 | 1 | WALKING_DOWNSTAIRS | 0.31277629 | -0.0504093730 | -0.04302864 |
| ## 147 | 1 | WALKING_DOWNSTAIRS | 0.42595606 | 0.0245600000  | -0.15095947 |
| ## 148 | 1 | WALKING_DOWNSTAIRS | 0.26749864 | -0.0183194790 | -0.16901282 |
| ## 149 | 1 | WALKING_DOWNSTAIRS | 0.15439416 | 0.0016045166  | -0.01054862 |
| ## 150 | 1 | WALKING_DOWNSTAIRS | 0.20535149 | -0.0038073578 | -0.03262883 |
| ## 151 | 1 | WALKING_UPSTAIRS   | 0.18360372 | -0.0765587290 | -0.04695610 |
| ## 152 | 1 | WALKING_UPSTAIRS   | 0.27918273 | -0.0369656770 | -0.13360426 |
| ## 153 | 1 | WALKING_UPSTAIRS   | 0.30116241 | -0.0017592965 | -0.10683037 |
| ## 154 | 1 | WALKING_UPSTAIRS   | 0.29341097 | -0.0187145180 | -0.06615908 |
| ## 155 | 1 | WALKING_UPSTAIRS   | 0.23030990 | 0.0021737117  | -0.04310313 |
| ## 156 | 1 | WALKING_UPSTAIRS   | 0.15851651 | 0.0042561454  | -0.01877921 |
| ## 157 | 1 | WALKING_UPSTAIRS   | 0.21524532 | -0.0326280020 | -0.11896558 |

|        |   |                  |              |               |               |
|--------|---|------------------|--------------|---------------|---------------|
| ## 158 | 1 | WALKING_UPSTAIRS | 0.27147742   | -0.0307460910 | -0.15623238   |
| ## 159 | 1 | WALKING_UPSTAIRS | 0.14085877   | -0.0682617290 | -0.07211572   |
| ## 160 | 1 | WALKING_UPSTAIRS | 0.23145946   | -0.0133403120 | -0.09236798   |
| ## 161 | 1 | WALKING_UPSTAIRS | 0.29569289   | -0.0172910000 | -0.09992782   |
| ## 162 | 1 | WALKING_UPSTAIRS | 0.34408292   | -0.0196651590 | -0.14195199   |
| ## 163 | 1 | WALKING_UPSTAIRS | 0.33299252   | -0.0303122760 | -0.11360054   |
| ## 164 | 1 | WALKING_UPSTAIRS | 0.31672153   | -0.0239082550 | -0.11075840   |
| ## 165 | 1 | WALKING_UPSTAIRS | 0.27425493   | -0.0289537510 | -0.15558324   |
| ## 166 | 1 | WALKING_UPSTAIRS | 0.26034404   | -0.0336706900 | -0.12730182   |
| ## 167 | 1 | WALKING_UPSTAIRS | 0.27771111   | -0.0089315038 | -0.08118135   |
| ## 168 | 1 | WALKING_UPSTAIRS | 0.22622757   | -0.0537189430 | -0.11252061   |
| ## 169 | 1 | WALKING_UPSTAIRS | 0.25960382   | -0.0180971610 | -0.11447381   |
| ## 170 | 1 | WALKING_UPSTAIRS | 0.34402821   | -0.0358751280 | -0.09423846   |
| ## 171 | 1 | WALKING_UPSTAIRS | 0.37052032   | -0.0088810520 | -0.15190137   |
| ## 172 | 1 | WALKING_UPSTAIRS | 0.27321360   | -0.0125466310 | -0.12786494   |
| ## 173 | 1 | WALKING_UPSTAIRS | 0.23124563   | -0.0072225043 | -0.03499555   |
| ## 174 | 1 | WALKING_UPSTAIRS | 0.25025528   | 0.0077234474  | -0.05846276   |
| ## 175 | 1 | WALKING_UPSTAIRS | 0.23033751   | -0.0218066970 | -0.11877561   |
| ## 176 | 1 | WALKING_UPSTAIRS | 0.22969556   | -0.0521657100 | -0.11179085   |
| ## 177 | 1 | STANDING         | 0.26076161   | -0.0353706960 | -0.13730782   |
| ##     |   | NA               | NA           | NA            | NA            |
| ## 1   |   | -0.99527860      | -0.983110610 | -0.913526450  | -0.9951120800 |
| ## 2   |   | -0.99824528      | -0.975300220 | -0.960321990  | -0.9988071900 |
| ## 3   |   | -0.99537956      | -0.967187010 | -0.978943960  | -0.9965199400 |
| ## 4   |   | -0.99609149      | -0.983402700 | -0.990675100  | -0.9970994700 |
| ## 5   |   | -0.99813862      | -0.980817270 | -0.990481630  | -0.9983211300 |
| ## 6   |   | -0.99733496      | -0.990486810 | -0.995420030  | -0.9976274000 |
| ## 7   |   | -0.99692104      | -0.967185930 | -0.983117830  | -0.9970026800 |
| ## 8   |   | -0.99655926      | -0.966728430 | -0.981585330  | -0.9964852500 |
| ## 9   |   | -0.99732847      | -0.961245320 | -0.983671560  | -0.9975957600 |
| ## 10  |   | -0.99480344      | -0.972758400 | -0.986243870  | -0.9954046200 |
| ## 11  |   | -0.99481511      | -0.973076920 | -0.985357020  | -0.9955092700 |
| ## 12  |   | -0.99824595      | -0.987213760 | -0.992726590  | -0.9982512700 |
| ## 13  |   | -0.99913488      | -0.984680040 | -0.996274240  | -0.9990765400 |
| ## 14  |   | -0.99918834      | -0.990526380 | -0.993365010  | -0.9992113500 |
| ## 15  |   | -0.98864079      | -0.816698600 | -0.901906530  | -0.9889579500 |
| ## 16  |   | -0.99683904      | -0.974848120 | -0.983385510  | -0.9970938900 |
| ## 17  |   | -0.99694116      | -0.981865620 | -0.982576530  | -0.9972199800 |
| ## 18  |   | -0.99769492      | -0.987515670 | -0.990407440  | -0.9980143200 |
| ## 19  |   | -0.99749074      | -0.993221970 | -0.996127950  | -0.9979030500 |
| ## 20  |   | -0.99781139      | -0.990522300 | -0.997621040  | -0.9982052200 |
| ## 21  |   | -0.99790424      | -0.994311290 | -0.995951660  | -0.9983651700 |
| ## 22  |   | -0.99776322      | -0.989957270 | -0.996585670  | -0.9982908200 |
| ## 23  |   | -0.99786211      | -0.990090760 | -0.994592570  | -0.9983334500 |
| ## 24  |   | -0.99838929      | -0.987307840 | -0.990831590  | -0.9988685200 |
| ## 25  |   | -0.99853388      | -0.988489010 | -0.993183670  | -0.9986743300 |
| ## 26  |   | -0.99805969      | -0.986069830 | -0.993424240  | -0.9980591600 |
| ## 27  |   | -0.99925496      | -0.993668880 | -0.994188800  | -0.9994065400 |
| ## 28  |   | -0.90429967      | -0.181936540 | -0.443150510  | -0.9011001900 |
| ## 29  |   | -0.98291504      | -0.891604890 | -0.941438110  | -0.9844178100 |

|       |             |              |              |               |              |
|-------|-------------|--------------|--------------|---------------|--------------|
| ## 30 | -0.99281839 | -0.940350410 | -0.981492660 | -0.9930923800 | -0.936927060 |
| ## 31 | -0.81470826 | -0.749418000 | -0.571898890 | -0.8786815200 | -0.776894630 |
| ## 32 | -0.75839283 | -0.586537350 | -0.439110190 | -0.7741181700 | -0.555350300 |
| ## 33 | -0.80863778 | -0.572746190 | -0.626415420 | -0.8062129700 | -0.533810700 |
| ## 34 | -0.95650333 | -0.838671550 | -0.943009530 | -0.9620059400 | -0.844820830 |
| ## 35 | -0.97737449 | -0.963840530 | -0.962505030 | -0.9776306000 | -0.959382050 |
| ## 36 | -0.99385604 | -0.993178700 | -0.993470300 | -0.9938780000 | -0.992130860 |
| ## 37 | -0.99607594 | -0.995781520 | -0.998221680 | -0.9962868700 | -0.996369950 |
| ## 38 | -0.99557733 | -0.994543850 | -0.994543720 | -0.9962383700 | -0.994201250 |
| ## 39 | -0.97995358 | -0.866193410 | -0.968290470 | -0.9801787800 | -0.882315870 |
| ## 40 | -0.99078294 | -0.935065150 | -0.990721560 | -0.9924978700 | -0.928562620 |
| ## 41 | -0.99546804 | -0.984330220 | -0.990995140 | -0.9959775100 | -0.982309370 |
| ## 42 | -0.99439029 | -0.984562780 | -0.991985780 | -0.9950502300 | -0.984521950 |
| ## 43 | -0.99550580 | -0.981767480 | -0.993473630 | -0.9957063900 | -0.980919070 |
| ## 44 | -0.99501877 | -0.970446310 | -0.989266120 | -0.9948176400 | -0.965149780 |
| ## 45 | -0.99474489 | -0.979495660 | -0.987961520 | -0.9944187000 | -0.977348990 |
| ## 46 | -0.99587640 | -0.989110700 | -0.993413220 | -0.9961413900 | -0.988049090 |
| ## 47 | -0.99664602 | -0.982974820 | -0.994797970 | -0.9969497800 | -0.981851780 |
| ## 48 | -0.99642843 | -0.984673120 | -0.990682660 | -0.9967377500 | -0.983150670 |
| ## 49 | -0.99588454 | -0.988012930 | -0.988425530 | -0.9965430300 | -0.986734080 |
| ## 50 | -0.99584854 | -0.980700750 | -0.993403810 | -0.9961011700 | -0.979568750 |
| ## 51 | -0.99572983 | -0.978967230 | -0.991394010 | -0.9961042500 | -0.976663000 |
| ## 52 | -0.91481115 | -0.895231120 | -0.891748110 | -0.9176958900 | -0.924623540 |
| ## 53 | -0.98488259 | -0.991118370 | -0.982111780 | -0.9879845400 | -0.990362280 |
| ## 54 | -0.99419460 | -0.996371660 | -0.995615140 | -0.9949011500 | -0.996359920 |
| ## 55 | -0.99613535 | -0.995811560 | -0.998689150 | -0.9963933300 | -0.995474490 |
| ## 56 | -0.99677544 | -0.997256360 | -0.995421640 | -0.9971668700 | -0.997107660 |
| ## 57 | -0.99492812 | -0.998359050 | -0.992011430 | -0.9955863600 | -0.998076620 |
| ## 58 | -0.99442540 | -0.994872630 | -0.994885820 | -0.9949387900 | -0.993994210 |
| ## 59 | -0.99647493 | -0.994068760 | -0.991861310 | -0.9972949100 | -0.994338380 |
| ## 60 | -0.99628711 | -0.992193940 | -0.990204480 | -0.9972546400 | -0.992927090 |
| ## 61 | -0.99478811 | -0.991031320 | -0.993187220 | -0.9958898600 | -0.990624880 |
| ## 62 | -0.99551063 | -0.995548040 | -0.994000800 | -0.9961503400 | -0.995344130 |
| ## 63 | -0.99614315 | -0.995968750 | -0.994888600 | -0.9963750200 | -0.995646340 |
| ## 64 | -0.99523683 | -0.995810090 | -0.994430450 | -0.9955146800 | -0.995338140 |
| ## 65 | -0.66129361 | -0.713352570 | -0.701155170 | -0.6939481300 | -0.706557510 |
| ## 66 | -0.95859648 | -0.908055820 | -0.984669480 | -0.9568549600 | -0.898493850 |
| ## 67 | -0.63313536 | -0.189775030 | -0.319336290 | -0.6238043000 | -0.199675260 |
| ## 68 | -0.63732529 | -0.127692220 | -0.258924030 | -0.6436421900 | -0.138550810 |
| ## 69 | -0.80390335 | -0.741742190 | -0.605382340 | -0.8268896900 | -0.745656360 |
| ## 70 | -0.75599409 | -0.642570640 | -0.695500700 | -0.7675366000 | -0.709977800 |
| ## 71 | -0.59939182 | 0.532505730  | 0.004324026  | -0.6641077700 | 0.502260250  |
| ## 72 | -0.59641047 | 0.024682958  | -0.160404490 | -0.6318195000 | -0.068856732 |
| ## 73 | -0.91966606 | 0.075259481  | -0.630715630 | -0.9379860900 | 0.176796470  |
| ## 74 | -0.97739515 | -0.587599880 | -0.970670280 | -0.9784380600 | -0.607459050 |
| ## 75 | -0.98569313 | -0.895905440 | -0.988195080 | -0.9873943800 | -0.887866750 |
| ## 76 | -0.99549458 | -0.979827840 | -0.995419070 | -0.9958019100 | -0.978672650 |
| ## 77 | -0.99458009 | -0.986763770 | -0.996093340 | -0.9952371600 | -0.986064880 |
| ## 78 | -0.99312530 | -0.990001000 | -0.995408210 | -0.9935888500 | -0.989887510 |
| ## 79 | -0.32828019 | -0.137153390 | -0.189085940 | -0.4048749500 | -0.176791410 |

|        |             |              |              |               |              |
|--------|-------------|--------------|--------------|---------------|--------------|
| ## 80  | -0.22920689 | 0.016506077  | -0.260310880 | -0.2767640800 | 0.009066466  |
| ## 81  | -0.27515786 | 0.013079871  | -0.284371310 | -0.3413410900 | -0.026013386 |
| ## 82  | -0.22992354 | 0.173910770  | -0.213387510 | -0.2828821400 | 0.144693100  |
| ## 83  | -0.22657692 | 0.164287920  | -0.122544960 | -0.2395259300 | 0.140286870  |
| ## 84  | -0.22453699 | 0.022312942  | -0.113196240 | -0.2506240700 | -0.021988287 |
| ## 85  | -0.23395567 | 0.034774517  | -0.161930470 | -0.2829590100 | 0.017454252  |
| ## 86  | -0.24708664 | 0.055164926  | -0.208563330 | -0.3046829900 | 0.042704090  |
| ## 87  | -0.35309860 | -0.017382150 | -0.127807600 | -0.3952737400 | -0.054388800 |
| ## 88  | -0.26294183 | 0.111277810  | -0.212700270 | -0.3098902400 | 0.089606796  |
| ## 89  | -0.26070490 | 0.027917204  | -0.226545700 | -0.3167757100 | -0.038486506 |
| ## 90  | -0.23902985 | 0.072865343  | -0.247204440 | -0.2825458900 | 0.008007804  |
| ## 91  | -0.20097415 | 0.132354110  | -0.220234230 | -0.2431469000 | 0.106020500  |
| ## 92  | -0.16865626 | 0.190335730  | -0.140472600 | -0.2051336600 | 0.101144140  |
| ## 93  | -0.20842457 | 0.234790710  | -0.159262870 | -0.2456039300 | 0.135868610  |
| ## 94  | -0.22054434 | 0.169816570  | -0.212305660 | -0.2723703800 | 0.127240580  |
| ## 95  | -0.20551618 | 0.106006200  | -0.210924430 | -0.2698898500 | 0.074272815  |
| ## 96  | -0.24864532 | 0.133229130  | -0.179546970 | -0.3069787200 | 0.113994260  |
| ## 97  | -0.30312548 | 0.152606810  | -0.174297780 | -0.3566175400 | 0.106512100  |
| ## 98  | -0.36323752 | 0.036867249  | -0.244158990 | -0.4256245500 | -0.055040698 |
| ## 99  | -0.18344442 | 0.141075880  | -0.225689410 | -0.2490801900 | 0.110614270  |
| ## 100 | -0.11171737 | 0.111130280  | -0.221832560 | -0.1588871100 | 0.074157967  |
| ## 101 | -0.13937030 | 0.038038012  | -0.266840560 | -0.1721507800 | 0.005201146  |
| ## 102 | -0.17123888 | 0.201236070  | -0.261588730 | -0.2175600500 | 0.131643400  |
| ## 103 | -0.23722530 | 0.223488380  | -0.229013430 | -0.2867850200 | 0.125792150  |
| ## 104 | -0.25146160 | 0.270054990  | -0.185019170 | -0.2850229800 | 0.203244760  |
| ## 105 | -0.23004356 | 0.187334550  | -0.164254910 | -0.2729924300 | 0.122931900  |
| ## 106 | -0.19810732 | -0.004637693 | -0.185038090 | -0.2466450100 | -0.062917298 |
| ## 107 | -0.19869979 | 0.134321990  | -0.177237230 | -0.2532674700 | 0.084887372  |
| ## 108 | -0.24696440 | 0.298557830  | -0.205753020 | -0.2995261500 | 0.265095340  |
| ## 109 | -0.27398450 | 0.258437880  | -0.225787540 | -0.3134400300 | 0.215057890  |
| ## 110 | -0.29396729 | 0.189680540  | -0.225274630 | -0.3350734100 | 0.171763840  |
| ## 111 | -0.31223717 | 0.127000960  | -0.252283100 | -0.3646878700 | 0.097290871  |
| ## 112 | -0.17845378 | 0.242833560  | -0.144868240 | -0.2505071800 | 0.177586190  |
| ## 113 | -0.22179285 | 0.067040367  | -0.301514260 | -0.2755572300 | 0.037551292  |
| ## 114 | -0.25253682 | 0.041978126  | -0.275238890 | -0.2905228400 | -0.001825484 |
| ## 115 | -0.24591692 | 0.102938160  | -0.233075590 | -0.2860120500 | 0.065638348  |
| ## 116 | -0.22076970 | 0.123136240  | -0.221638120 | -0.2715876800 | 0.072741887  |
| ## 117 | -0.21530926 | 0.120917310  | -0.218659400 | -0.2532279700 | 0.067138965  |
| ## 118 | -0.26279787 | 0.057066065  | -0.248016780 | -0.3079562800 | 0.027468701  |
| ## 119 | -0.39294444 | -0.020678437 | -0.263385580 | -0.4561860700 | -0.055806451 |
| ## 120 | -0.37078412 | -0.072025636 | -0.301673750 | -0.4386254300 | -0.140122280 |
| ## 121 | -0.36879989 | -0.083343414 | -0.263346660 | -0.4236500100 | -0.178758990 |
| ## 122 | -0.43900010 | 0.003312783  | -0.208537660 | -0.4859813800 | -0.063575034 |
| ## 123 | -0.36722034 | 0.034414774  | -0.194023350 | -0.4183853900 | 0.012209581  |
| ## 124 | -0.31993668 | 0.027333313  | -0.181980570 | -0.3692229300 | 0.012502610  |
| ## 125 | -0.37654341 | 0.023526725  | -0.247051580 | -0.4339499600 | -0.041913200 |
| ## 126 | -0.17198789 | -0.188332450 | -0.399555310 | -0.2184084500 | -0.246540690 |
| ## 127 | -0.04014287 | -0.141421270 | -0.325831320 | -0.0799181410 | -0.182830280 |
| ## 128 | -0.09466535 | -0.007347987 | -0.347491670 | -0.1510529900 | -0.142693160 |
| ## 129 | -0.13338240 | 0.132265210  | -0.336173700 | -0.2115938000 | -0.051626454 |

|        |              |               |              |               |              |
|--------|--------------|---------------|--------------|---------------|--------------|
| ## 130 | 0.06926842   | 0.057800324   | -0.235050280 | -0.0418055300 | -0.111044750 |
| ## 131 | 0.12036221   | 0.083343662   | -0.221983620 | 0.0320873530  | -0.048226393 |
| ## 132 | -0.02176042  | -0.032132086  | -0.196557910 | -0.0951717030 | -0.160153280 |
| ## 133 | -0.04996636  | -0.247403450  | -0.258588910 | -0.1042891500 | -0.341029860 |
| ## 134 | -0.06421528  | -0.202139040  | -0.327663820 | -0.1093601400 | -0.302248680 |
| ## 135 | 0.12298877   | 0.081945720   | 0.049997153  | 0.0507690970  | 0.012863203  |
| ## 136 | 0.11546276   | 0.019113399   | -0.034471360 | 0.0964744150  | -0.082700007 |
| ## 137 | 0.09908960   | 0.300734700   | -0.206496700 | 0.0519184250  | 0.068505255  |
| ## 138 | 0.05291009   | 0.265724520   | -0.212712620 | -0.0342287120 | 0.088087162  |
| ## 139 | 0.11820941   | -0.051036543  | -0.146922090 | 0.0724043040  | -0.112394770 |
| ## 140 | 0.06368904   | -0.017154892  | -0.230357820 | 0.0001983481  | -0.073383474 |
| ## 141 | 0.14664050   | -0.157608040  | -0.240120180 | 0.0611308470  | -0.185350360 |
| ## 142 | 0.24954917   | -0.211857110  | -0.169262290 | 0.1813237200  | -0.270562240 |
| ## 143 | 0.07845129   | -0.098710248  | -0.264045640 | 0.0463048800  | -0.135872760 |
| ## 144 | 0.07617469   | -0.100486840  | -0.298087420 | 0.0447809420  | -0.118499520 |
| ## 145 | -0.10749685  | 0.106557650   | -0.227501210 | -0.1930328600 | 0.031338172  |
| ## 146 | 0.02628482   | 0.168277860   | -0.186199530 | -0.0746345550 | 0.090838808  |
| ## 147 | 0.09923964   | -0.038196632  | -0.272499050 | -0.0061015318 | -0.083141371 |
| ## 148 | -0.04124829  | -0.134212510  | -0.310535480 | -0.1255060200 | -0.150170830 |
| ## 149 | -0.02364854  | -0.197488060  | -0.291800710 | -0.0808482990 | -0.198536090 |
| ## 150 | 0.01930472   | -0.229625310  | -0.307646050 | -0.0591499970 | -0.268221010 |
| ## 151 | -0.36751584  | -0.099160728  | 0.020546431  | -0.4127290700 | -0.107322870 |
| ## 152 | -0.35903189  | -0.124112250  | -0.102867760 | -0.3942299000 | -0.120456400 |
| ## 153 | -0.36266589  | 0.001220042   | -0.111537770 | -0.4008372200 | -0.001549374 |
| ## 154 | -0.36815735  | 0.095662930   | -0.019262368 | -0.4305790900 | 0.108432320  |
| ## 155 | -0.33525447  | -0.020443574  | 0.031209990  | -0.3989848200 | -0.039489432 |
| ## 156 | -0.40602178  | -0.083613613  | -0.012498101 | -0.4667634100 | -0.101566870 |
| ## 157 | -0.40674365  | -0.068915080  | 0.025753713  | -0.4562998500 | -0.053195878 |
| ## 158 | -0.34169859  | -0.152998560  | 0.021435303  | -0.3803102000 | -0.143961400 |
| ## 159 | -0.23449858  | -0.079448995  | -0.033663540 | -0.2973628500 | -0.067637282 |
| ## 160 | -0.31679100  | -0.114259960  | -0.071216960 | -0.3488660200 | -0.099204791 |
| ## 161 | -0.35712019  | 0.041165280   | -0.091122383 | -0.3685297900 | 0.026051281  |
| ## 162 | -0.36118484  | 0.019695865   | -0.100724840 | -0.3837373900 | 0.021786895  |
| ## 163 | -0.42752783  | -0.121213880  | -0.090093246 | -0.4673711700 | -0.086933890 |
| ## 164 | -0.42147434  | -0.005497985  | -0.017909026 | -0.4617745000 | 0.049677113  |
| ## 165 | -0.39644844  | -0.096768344  | -0.038192465 | -0.4478273900 | -0.073059471 |
| ## 166 | -0.43384531  | -0.237681500  | -0.073172704 | -0.4917180300 | -0.242244780 |
| ## 167 | -0.45755795  | -0.209564240  | 0.007230816  | -0.5092149900 | -0.196811250 |
| ## 168 | -0.35092567  | -0.009298234  | 0.007788298  | -0.3989858900 | 0.047077501  |
| ## 169 | -0.35222794  | 0.048864663   | -0.078109362 | -0.4087199600 | 0.066438692  |
| ## 170 | -0.39707126  | 0.167605700   | -0.045335084 | -0.4352063400 | 0.163309800  |
| ## 171 | -0.44266976  | 0.120901210   | 0.057691449  | -0.4813363600 | 0.115341900  |
| ## 172 | -0.44615460  | 0.009590231   | -0.031257360 | -0.4884530800 | 0.022077931  |
| ## 173 | -0.47091075  | 0.011840328   | -0.055521071 | -0.5327955500 | -0.010658694 |
| ## 174 | -0.38835593  | -0.029383066  | 0.054298832  | -0.4780865300 | -0.053467542 |
| ## 175 | -0.36143839  | -0.147811890  | -0.022630007 | -0.4441045600 | -0.129612070 |
| ## 176 | -0.34368292  | -0.170388440  | -0.051609335 | -0.4171838100 | -0.189246460 |
| ## 177 | -0.97372342  | -0.929149900  | -0.875000580 | -0.9737571400 | -0.920028550 |
| ##     | NA           | NA            | NA           | NA            | NA           |
| ## 1   | -0.923527020 | -0.9347237800 | -0.567378070 | -0.7444125300 | 0.852947380  |



|       |              |               |              |               |             |
|-------|--------------|---------------|--------------|---------------|-------------|
| ## 2  | -0.957686220 | -0.9430675100 | -0.557851260 | -0.8184086900 | 0.849307870 |
| ## 3  | -0.977468590 | -0.9386915500 | -0.557851260 | -0.8184086900 | 0.843608950 |
| ## 4  | -0.989302500 | -0.9386915500 | -0.576158890 | -0.8297114500 | 0.843608950 |
| ## 5  | -0.990441130 | -0.9424691200 | -0.569173850 | -0.8247052900 | 0.849095120 |
| ## 6  | -0.995548900 | -0.9424691200 | -0.565683890 | -0.8227661400 | 0.849095120 |
| ## 7  | -0.983116270 | -0.9409866300 | -0.565683890 | -0.8171890200 | 0.851040220 |
| ## 8  | -0.982981760 | -0.9409866300 | -0.572638240 | -0.8171890200 | 0.850327780 |
| ## 9  | -0.984379280 | -0.9405975800 | -0.564175050 | -0.8235269300 | 0.850327780 |
| ## 10 | -0.985641950 | -0.9400275100 | -0.554593690 | -0.8158503700 | 0.845442410 |
| ## 11 | -0.985172470 | -0.9400275100 | -0.554593690 | -0.8158503700 | 0.845442410 |
| ## 12 | -0.993181880 | -0.9439057800 | -0.571422140 | -0.8206949300 | 0.850532270 |
| ## 13 | -0.996410310 | -0.9439057800 | -0.569704190 | -0.8250336900 | 0.852068580 |
| ## 14 | -0.992167530 | -0.9433228600 | -0.569357470 | -0.8225147000 | 0.852034940 |
| ## 15 | -0.888014600 | -0.9259766900 | -0.448465740 | -0.7305788100 | 0.848666480 |
| ## 16 | -0.984065350 | -0.9417158000 | -0.570939160 | -0.8176345500 | 0.848666480 |
| ## 17 | -0.981336040 | -0.9417158000 | -0.563499580 | -0.8242149000 | 0.852573030 |
| ## 18 | -0.992190120 | -0.9420759800 | -0.563499580 | -0.8158917600 | 0.849851450 |
| ## 19 | -0.996491820 | -0.9448701200 | -0.575091030 | -0.8158917600 | 0.847154080 |
| ## 20 | -0.997193030 | -0.9456616300 | -0.573341830 | -0.8265822500 | 0.847154080 |
| ## 21 | -0.995594810 | -0.9414724200 | -0.572958160 | -0.8200225900 | 0.851612940 |
| ## 22 | -0.996700450 | -0.9414724200 | -0.572958160 | -0.8175196500 | 0.849686270 |
| ## 23 | -0.994484510 | -0.9445667200 | -0.575287830 | -0.8175196500 | 0.849686270 |
| ## 24 | -0.989637390 | -0.9436751900 | -0.567803370 | -0.8254370200 | 0.850015180 |
| ## 25 | -0.993287180 | -0.9425588300 | -0.563869220 | -0.8153987900 | 0.852528930 |
| ## 26 | -0.995017880 | -0.9425588300 | -0.563869220 | -0.8153987900 | 0.850440260 |
| ## 27 | -0.993582950 | -0.9428896100 | -0.575869110 | -0.8226647200 | 0.850440260 |
| ## 28 | -0.400599350 | -0.9318957800 | 0.042098681  | -0.3365258000 | 0.716476230 |
| ## 29 | -0.933360720 | -0.9318957800 | -0.499536810 | -0.8246997200 | 0.826365550 |
| ## 30 | -0.980669100 | -0.9353890000 | -0.565254760 | -0.8225317300 | 0.847724930 |
| ## 31 | -0.700709780 | -0.7371515500 | -0.318401870 | -0.4733339900 | 0.503460780 |
| ## 32 | -0.438735760 | -0.7371515500 | -0.212994260 | -0.4733339900 | 0.503460780 |
| ## 33 | -0.579393590 | -0.9160637600 | -0.212994260 | -0.4804685000 | 0.566315760 |
| ## 34 | -0.937194660 | -0.9160637600 | -0.438882930 | -0.8171954400 | 0.801035790 |
| ## 35 | -0.962253960 | -0.9168252700 | -0.571742320 | -0.8200979800 | 0.842807570 |
| ## 36 | -0.992788140 | -0.9416171000 | -0.571742320 | -0.8200979800 | 0.842807570 |
| ## 37 | -0.999036490 | -0.9416171000 | -0.570089420 | -0.8236984500 | 0.850614610 |
| ## 38 | -0.995407310 | -0.9383115100 | -0.570089420 | -0.8236984500 | 0.850257810 |
| ## 39 | -0.966096710 | -0.9396369300 | -0.519270860 | -0.8235697100 | 0.813490010 |
| ## 40 | -0.989584340 | -0.9396369300 | -0.519270860 | -0.8235697100 | 0.833143080 |
| ## 41 | -0.990283570 | -0.9397887700 | -0.568504610 | -0.8213577600 | 0.845300680 |
| ## 42 | -0.992617050 | -0.9397887700 | -0.564743100 | -0.8213577600 | 0.845300680 |
| ## 43 | -0.994863680 | -0.9401202200 | -0.564130640 | -0.8224441100 | 0.848331980 |
| ## 44 | -0.990246360 | -0.9417154100 | -0.564130640 | -0.8235512900 | 0.848331980 |
| ## 45 | -0.987604100 | -0.9417154100 | -0.570740220 | -0.8235512900 | 0.848529040 |
| ## 46 | -0.991539110 | -0.9420120000 | -0.566788550 | -0.8261857700 | 0.847329500 |
| ## 47 | -0.993457740 | -0.9432431000 | -0.566788550 | -0.8257327200 | 0.847329500 |
| ## 48 | -0.989338010 | -0.9385725700 | -0.569514770 | -0.8204324100 | 0.846667510 |
| ## 49 | -0.987736830 | -0.9385725700 | -0.569514770 | -0.8204324100 | 0.846667510 |
| ## 50 | -0.992913110 | -0.9406837300 | -0.570810470 | -0.8246120900 | 0.849829470 |
| ## 51 | -0.990588290 | -0.9406837300 | -0.566905440 | -0.8193624700 | 0.844072430 |

|        |              |               |              |               |             |
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| ## 52  | -0.905894780 | -0.7851039800 | -0.410291660 | -0.8004062900 | 0.841586140 |
| ## 53  | -0.982189340 | -0.9200511900 | -0.573826870 | -0.8004062900 | 0.841586140 |
| ## 54  | -0.996627960 | -0.9401639500 | -0.573826870 | -0.8201739400 | 0.844236910 |
| ## 55  | -0.999005930 | -0.9407731700 | -0.575937160 | -0.8259857700 | 0.850636120 |
| ## 56  | -0.995739290 | -0.9426726600 | -0.575937160 | -0.8192191300 | 0.847618060 |
| ## 57  | -0.992590500 | -0.9389740700 | -0.577415620 | -0.8138633200 | 0.847618060 |
| ## 58  | -0.995450350 | -0.9389740700 | -0.577030730 | -0.8138633200 | 0.846921770 |
| ## 59  | -0.993439600 | -0.9394526400 | -0.574285500 | -0.8078055100 | 0.846921770 |
| ## 60  | -0.990996030 | -0.9384491400 | -0.573645970 | -0.8078055100 | 0.845595680 |
| ## 61  | -0.992794740 | -0.9334585100 | -0.573645970 | -0.8183335500 | 0.845595680 |
| ## 62  | -0.993878990 | -0.9334585100 | -0.574599090 | -0.8183335500 | 0.846621610 |
| ## 63  | -0.993973740 | -0.9398813900 | -0.575722000 | -0.8224322900 | 0.850248230 |
| ## 64  | -0.993719970 | -0.9392213100 | -0.576552800 | -0.8246384000 | 0.849828640 |
| ## 65  | -0.755421840 | -0.8912835600 | -0.373852040 | -0.4512786700 | 0.251271490 |
| ## 66  | -0.987138760 | -0.8912835600 | -0.556878860 | -0.7970235100 | 0.840566450 |
| ## 67  | -0.281088290 | -0.9252079800 | -0.241482210 | -0.1209846700 | 0.263374020 |
| ## 68  | -0.239633710 | -0.8781488500 | -0.241482210 | -0.1209846700 | 0.263374020 |
| ## 69  | -0.602669170 | -0.8305606600 | -0.332202620 | -0.5283689700 | 0.598463850 |
| ## 70  | -0.730463830 | -0.7170811100 | -0.182863750 | -0.5603330800 | 0.574444060 |
| ## 71  | 0.048471827  | -0.7170811100 | -0.182863750 | 0.3154529700  | 0.022281712 |
| ## 72  | -0.235159590 | -0.8662961700 | -0.249046540 | 0.3154529700  | 0.022281712 |
| ## 73  | -0.613510330 | -0.8662961700 | -0.507343670 | -0.4358277400 | 0.666418970 |
| ## 74  | -0.967884490 | -0.9204858500 | -0.489785360 | -0.8154626100 | 0.826782390 |
| ## 75  | -0.988504870 | -0.9299429300 | -0.489785360 | -0.8131266500 | 0.826782390 |
| ## 76  | -0.995500680 | -0.9377540600 | -0.559911090 | -0.8131266500 | 0.849950730 |
| ## 77  | -0.996124180 | -0.9377540600 | -0.561409280 | -0.8226049000 | 0.847850970 |
| ## 78  | -0.994164880 | -0.9365102200 | -0.563324030 | -0.8275369300 | 0.844619640 |
| ## 79  | -0.199473780 | -0.1547310000 | -0.203759020 | -0.1307524100 | 0.112070170 |
| ## 80  | -0.287366860 | -0.1547310000 | -0.173983070 | -0.1566268600 | 0.112070170 |
| ## 81  | -0.320272030 | -0.1755590400 | -0.156809270 | -0.1566268600 | 0.213171060 |
| ## 82  | -0.237987500 | -0.1527728200 | -0.057800295 | -0.2653815200 | 0.200085300 |
| ## 83  | -0.148616890 | -0.1527728200 | -0.057800295 | -0.1174760000 | 0.200085300 |
| ## 84  | -0.099186333 | -0.0734760940 | -0.118225030 | -0.0539080690 | 0.255051240 |
| ## 85  | -0.140619330 | -0.0734760940 | -0.102133540 | -0.0539080690 | 0.135622070 |
| ## 86  | -0.204493450 | -0.2092908900 | -0.102133540 | -0.1769860900 | 0.094155299 |
| ## 87  | -0.095763059 | -0.2903971600 | -0.145546450 | -0.1931565700 | 0.280536250 |
| ## 88  | -0.233325980 | -0.0685826050 | -0.173888530 | -0.1266541200 | 0.280536250 |
| ## 89  | -0.251813910 | -0.0685826050 | -0.175343790 | -0.1266541200 | 0.193931500 |
| ## 90  | -0.261673890 | -0.0912851760 | -0.175343790 | -0.2648770800 | 0.193931500 |
| ## 91  | -0.241255640 | -0.0912851760 | -0.176214660 | -0.2433105900 | 0.208489930 |
| ## 92  | -0.120572420 | -0.0008184209 | -0.131933780 | -0.1427280300 | 0.208489930 |
| ## 93  | -0.128342800 | -0.0008184209 | -0.110456750 | -0.1427280300 | 0.210525780 |
| ## 94  | -0.196417170 | -0.0749923020 | 0.043212402  | -0.2524118600 | 0.159917060 |
| ## 95  | -0.193725710 | -0.0749923020 | 0.043212402  | -0.2951200100 | 0.092366377 |
| ## 96  | -0.159711890 | -0.1149533900 | -0.161677630 | -0.2951200100 | 0.092366377 |
| ## 97  | -0.141309140 | -0.1780667800 | 0.022505371  | -0.3439625100 | 0.207532850 |
| ## 98  | -0.243230000 | -0.2783284200 | 0.022505371  | -0.1508064500 | 0.207532850 |
| ## 99  | -0.221008680 | 0.0325220480  | -0.066869228 | -0.2734258900 | 0.090544446 |
| ## 100 | -0.212427900 | 0.0325220480  | -0.174265910 | -0.2340191700 | 0.090544446 |
| ## 101 | -0.259048850 | 0.0227368690  | -0.174265910 | -0.2340191700 | 0.092534401 |

|        |              |               |              |               |              |
|--------|--------------|---------------|--------------|---------------|--------------|
| ## 102 | -0.287320210 | 0.0227368690  | -0.104127740 | -0.1677339800 | 0.153241700  |
| ## 103 | -0.257275910 | -0.0663636860 | -0.104127740 | -0.1677339800 | 0.153241700  |
| ## 104 | -0.202139300 | -0.1585172600 | 0.172254240  | -0.1773319000 | 0.161462270  |
| ## 105 | -0.164820370 | -0.1100105800 | 0.172254240  | -0.1773319000 | 0.161462270  |
| ## 106 | -0.139328360 | -0.0191534760 | -0.137662100 | -0.3133307900 | 0.247951170  |
| ## 107 | -0.164884920 | -0.0191534760 | -0.145096290 | -0.1473044300 | 0.165534010  |
| ## 108 | -0.245873370 | -0.0859145260 | -0.092162279 | -0.1473044300 | 0.165534010  |
| ## 109 | -0.239659800 | -0.2130472200 | -0.080235853 | -0.2374846400 | 0.251780350  |
| ## 110 | -0.231292200 | -0.1988421800 | -0.080235853 | -0.2679153700 | 0.251780350  |
| ## 111 | -0.259277380 | -0.1988421800 | -0.101380760 | -0.2679153700 | 0.309447810  |
| ## 112 | -0.147375440 | 0.1478701200  | 0.083004068  | -0.1796726900 | -0.014497572 |
| ## 113 | -0.314204230 | 0.0323522400  | -0.056035069 | -0.2952291300 | 0.218593940  |
| ## 114 | -0.282408270 | 0.0323522400  | -0.113900900 | -0.3396125100 | 0.268900780  |
| ## 115 | -0.254474310 | -0.0037115193 | -0.113900900 | -0.2625206500 | 0.272937160  |
| ## 116 | -0.210426570 | -0.1194853700 | -0.104988760 | -0.2381415600 | 0.237812840  |
| ## 117 | -0.178174740 | -0.1194853700 | -0.100184450 | -0.2221737600 | 0.120059240  |
| ## 118 | -0.240457000 | -0.1608592200 | -0.100184450 | -0.1623453500 | 0.120059240  |
| ## 119 | -0.298589620 | -0.2524977000 | -0.176628930 | -0.1623453500 | 0.177313240  |
| ## 120 | -0.311927960 | -0.1930890900 | -0.169514280 | -0.2371132900 | 0.094598858  |
| ## 121 | -0.277213280 | -0.1930890900 | 0.084097764  | -0.0998753580 | 0.094598858  |
| ## 122 | -0.223715270 | -0.1809480800 | 0.084097764  | -0.0998753580 | 0.325593050  |
| ## 123 | -0.196416420 | -0.0501307170 | 0.003359421  | -0.1679128000 | 0.324958490  |
| ## 124 | -0.190036230 | -0.0501307170 | 0.003359421  | -0.1679128000 | 0.263273250  |
| ## 125 | -0.242823650 | -0.2291594700 | -0.118677530 | -0.2268948400 | 0.109909370  |
| ## 126 | -0.363534790 | 0.2442249400  | -0.077151742 | -0.5013617700 | 0.225643140  |
| ## 127 | -0.281561800 | 0.1996760100  | -0.121837960 | -0.5158285600 | 0.212703980  |
| ## 128 | -0.315866430 | 0.1996760100  | -0.034023846 | -0.5158285600 | 0.212703980  |
| ## 129 | -0.318214360 | 0.3363504900  | -0.034023846 | -0.3725180600 | 0.210398270  |
| ## 130 | -0.209609220 | 0.5314906300  | 0.103553510  | -0.2715937600 | 0.153315970  |
| ## 131 | -0.186744950 | 0.5314906300  | 0.103553510  | -0.2715937600 | 0.153315970  |
| ## 132 | -0.150903880 | 0.4288109700  | -0.204003930 | -0.4038229300 | 0.322584310  |
| ## 133 | -0.240102340 | 0.4288109700  | -0.167198700 | -0.4038229300 | 0.067419025  |
| ## 134 | -0.325643420 | 0.1586783400  | -0.167198700 | -0.3708848500 | 0.067419025  |
| ## 135 | -0.014688400 | 0.5445119800  | -0.131463990 | -0.1267080400 | 0.060543611  |
| ## 136 | -0.048396212 | 0.5445119800  | -0.034346562 | -0.2250395800 | 0.072793049  |
| ## 137 | -0.186606190 | 0.3996593800  | -0.004119991 | -0.2126197400 | 0.072793049  |
| ## 138 | -0.165376500 | 0.4121196700  | -0.004119991 | -0.2126197400 | 0.113783620  |
| ## 139 | -0.066237734 | 0.4603322600  | -0.141348800 | -0.3255981900 | 0.113783620  |
| ## 140 | -0.182779150 | 0.4603322600  | -0.045989902 | -0.3255981900 | -0.042975331 |
| ## 141 | -0.230891200 | 0.6364078900  | -0.045989902 | -0.2618154600 | -0.042975331 |
| ## 142 | -0.144910920 | 0.6364078900  | -0.082590017 | -0.2618154600 | -0.186297470 |
| ## 143 | -0.236600480 | 0.1248593300  | -0.159407170 | -0.4009151300 | -0.080068708 |
| ## 144 | -0.262092080 | 0.3456974600  | -0.159407170 | -0.4009151300 | -0.047336394 |
| ## 145 | -0.239703890 | 0.3456974600  | -0.177330140 | -0.0003026163 | -0.047336394 |
| ## 146 | -0.161996270 | 0.3432398600  | 0.008622833  | -0.0003026163 | -0.002160725 |
| ## 147 | -0.219161720 | 0.3432398600  | 0.008622833  | -0.3213664200 | -0.083023253 |
| ## 148 | -0.276276370 | 0.1843531700  | -0.075418581 | -0.2770793200 | -0.083023253 |
| ## 149 | -0.261083670 | 0.1548170400  | -0.179786360 | -0.2770793200 | -0.145450480 |
| ## 150 | -0.256730550 | 0.1597298200  | -0.179786360 | -0.3849030100 | -0.145450480 |
| ## 151 | 0.087381154  | -0.2209385000 | -0.156306180 | -0.1734842900 | 0.145239960  |

|        |              |               |              |               |              |            |
|--------|--------------|---------------|--------------|---------------|--------------|------------|
| ## 152 | -0.027792432 | -0.3191361300 | -0.156306180 | -0.2850892500 | 0.145239960  |            |
| ## 153 | -0.028194046 | -0.2695178100 | -0.186506440 | -0.2907416500 | 0.237048120  |            |
| ## 154 | 0.027044075  | -0.1698481800 | -0.046241968 | -0.1123823100 | 0.288252910  |            |
| ## 155 | 0.097693296  | -0.1698481800 | -0.046241968 | -0.1123823100 | 0.183689080  |            |
| ## 156 | 0.094817271  | -0.2329470900 | -0.172488350 | -0.1748224500 | 0.183689080  |            |
| ## 157 | 0.089389785  | -0.2329470900 | -0.155299250 | -0.1012032800 | 0.074915972  |            |
| ## 158 | 0.051974091  | -0.1609324100 | -0.155299250 | -0.1012032800 | 0.074915972  |            |
| ## 159 | -0.003288865 | -0.0843499270 | -0.140584060 | -0.1489671300 | 0.068893691  |            |
| ## 160 | -0.019111858 | -0.0843499270 | -0.140584060 | -0.2494309300 | 0.183545320  |            |
| ## 161 | -0.046491370 | -0.2501009600 | -0.103696640 | -0.2637468100 | 0.299718360  |            |
| ## 162 | -0.066112412 | -0.2151169500 | -0.103696640 | -0.2188592200 | 0.336163850  |            |
| ## 163 | -0.034332956 | -0.2151169500 | -0.119477710 | -0.2188592200 | 0.263159030  |            |
| ## 164 | 0.065574401  | -0.1978664300 | -0.119477710 | -0.2413949200 | 0.263159030  |            |
| ## 165 | 0.010030572  | -0.1978664300 | -0.211335560 | -0.2413949200 | 0.292039230  |            |
| ## 166 | -0.051791478 | -0.2742241900 | -0.215837290 | -0.1997045100 | 0.292039230  |            |
| ## 167 | 0.068844658  | -0.4092425900 | -0.215837290 | -0.1997045100 | 0.311494540  |            |
| ## 168 | 0.023588898  | -0.0611878210 | -0.092216233 | -0.0572545590 | 0.258156120  |            |
| ## 169 | -0.034318676 | -0.0611878210 | -0.092216233 | -0.2034331000 | 0.258156120  |            |
| ## 170 | -0.013183113 | -0.1143630700 | -0.080474276 | -0.1553401500 | 0.336579930  |            |
| ## 171 | 0.096208498  | -0.2494750700 | -0.010268523 | -0.1553401500 | 0.392471290  |            |
| ## 172 | 0.017644308  | -0.2494750700 | -0.010268523 | -0.2247580000 | 0.291196440  |            |
| ## 173 | 0.008757936  | -0.1330914700 | -0.018965860 | -0.0696922770 | 0.291196440  |            |
| ## 174 | 0.101209930  | -0.0819144360 | -0.018965860 | -0.0696922770 | 0.212277060  |            |
| ## 175 | -0.001755883 | -0.0075010747 | -0.247433040 | -0.0826108350 | 0.212277060  |            |
| ## 176 | 0.005103513  | 0.0807192740  | -0.248092770 | -0.2628381600 | 0.216132190  |            |
| ## 177 | -0.885369010 | -0.9371733900 | -0.555058400 | -0.7171582000 | 0.821181900  |            |
| ##     | NA           | NA            | NA           | NA            | NA           | NA         |
| ## 1   | 0.68584458   | 0.81426278    | -0.965522790 | -0.9999446    | -0.999863030 | -0.9946122 |
| ## 2   | 0.68584458   | 0.82263681    | -0.981930110 | -0.9999913    | -0.999788380 | -0.9984054 |
| ## 3   | 0.68240094   | 0.83934417    | -0.983477770 | -0.9999691    | -0.999659870 | -0.9994695 |
| ## 4   | 0.68240094   | 0.83786929    | -0.986093280 | -0.9999755    | -0.999736000 | -0.9995037 |
| ## 5   | 0.68324978   | 0.83786929    | -0.992653110 | -0.9999906    | -0.999855880 | -0.9997566 |
| ## 6   | 0.69558572   | 0.84592156    | -0.993927700 | -0.9999855    | -0.999856990 | -0.9999174 |
| ## 7   | 0.67434716   | 0.83359122    | -0.986836710 | -0.9999818    | -0.999658340 | -0.9996339 |
| ## 8   | 0.67041013   | 0.83238324    | -0.976851420 | -0.9999798    | -0.999341070 | -0.9991636 |
| ## 9   | 0.67041013   | 0.83238324    | -0.983295070 | -0.9999854    | -0.999527830 | -0.9994260 |
| ## 10  | 0.68475694   | 0.83845531    | -0.986540740 | -0.9999628    | -0.999661710 | -0.9997179 |
| ## 11  | 0.68475694   | 0.83845531    | -0.987882600 | -0.9999647    | -0.999723880 | -0.9996665 |
| ## 12  | 0.68652760   | 0.84601343    | -0.994623600 | -0.9999911    | -0.999886490 | -0.9998790 |
| ## 13  | 0.68652760   | 0.84601343    | -0.995116080 | -0.9999963    | -0.999877260 | -0.9999189 |
| ## 14  | 0.69264730   | 0.84634960    | -0.996564090 | -0.9999967    | -0.999935980 | -0.9998887 |
| ## 15  | 0.68064999   | 0.83820463    | -0.903805530 | -0.9998037    | -0.989399810 | -0.9911975 |
| ## 16  | 0.68064999   | 0.83820463    | -0.984401950 | -0.9999814    | -0.999720990 | -0.9993663 |
| ## 17  | 0.68889470   | 0.83839767    | -0.989296070 | -0.9999822    | -0.999858070 | -0.9995147 |
| ## 18  | 0.69387601   | 0.83839767    | -0.994906530 | -0.9999866    | -0.999903770 | -0.9998227 |
| ## 19  | 0.69259112   | 0.84722607    | -0.998142860 | -0.9999866    | -0.999963180 | -0.9999440 |
| ## 20  | 0.69259112   | 0.84750921    | -0.997418060 | -0.9999879    | -0.999946500 | -0.9999566 |
| ## 21  | 0.69476646   | 0.84750921    | -0.998101070 | -0.9999893    | -0.999957700 | -0.9999417 |
| ## 22  | 0.68945922   | 0.84986038    | -0.997651210 | -0.9999884    | -0.999941000 | -0.9999489 |
| ## 23  | 0.68945922   | 0.84137235    | -0.995625270 | -0.9999883    | -0.999912630 | -0.9999074 |

|       |             |            |              |            |              |            |
|-------|-------------|------------|--------------|------------|--------------|------------|
| ## 24 | 0.69190301  | 0.84137235 | -0.995125550 | -0.9999918 | -0.999920070 | -0.9998368 |
| ## 25 | 0.69354066  | 0.84726168 | -0.994401500 | -0.9999897 | -0.999881400 | -0.9998450 |
| ## 26 | 0.69188515  | 0.84156459 | -0.995654540 | -0.9999899 | -0.999897410 | -0.9998891 |
| ## 27 | 0.69127318  | 0.84156459 | -0.998241990 | -0.9999964 | -0.999966690 | -0.9999052 |
| ## 28 | 0.65581306  | 0.80898559 | -0.536972890 | -0.9914736 | -0.793222920 | -0.8142862 |
| ## 29 | 0.65581306  | 0.80898559 | -0.932711740 | -0.9997627 | -0.996611660 | -0.9955748 |
| ## 30 | 0.66274101  | 0.83760928 | -0.976273490 | -0.9999427 | -0.999086000 | -0.9995797 |
| ## 31 | 0.66074284  | 0.56843660 | -0.806564850 | -0.9815261 | -0.982399810 | -0.9139550 |
| ## 32 | 0.66074284  | 0.56843660 | -0.456423630 | -0.9494491 | -0.899421390 | -0.8290030 |
| ## 33 | 0.68182878  | 0.80528959 | -0.578948430 | -0.9669935 | -0.911417130 | -0.9111721 |
| ## 34 | 0.67680924  | 0.80528959 | -0.911972110 | -0.9987354 | -0.994145050 | -0.9950998 |
| ## 35 | 0.67680924  | 0.81998135 | -0.970097120 | -0.9996133 | -0.999527320 | -0.9987467 |
| ## 36 | 0.69495193  | 0.84887263 | -0.994365200 | -0.9999463 | -0.999951600 | -0.9998897 |
| ## 37 | 0.69495193  | 0.84887263 | -0.998606430 | -0.9999751 | -0.999980410 | -0.9999736 |
| ## 38 | 0.69609189  | 0.84248372 | -0.997548970 | -0.9999714 | -0.999971610 | -0.9999155 |
| ## 39 | 0.61497281  | 0.82462455 | -0.929803510 | -0.9993852 | -0.994967950 | -0.9987982 |
| ## 40 | 0.69578249  | 0.84388289 | -0.972195390 | -0.9999144 | -0.997942600 | -0.9998334 |
| ## 41 | 0.68978423  | 0.84388289 | -0.992114390 | -0.9999676 | -0.999890170 | -0.9998275 |
| ## 42 | 0.68819188  | 0.83996554 | -0.992597950 | -0.9999605 | -0.999884060 | -0.9998632 |
| ## 43 | 0.68819188  | 0.83996554 | -0.990729040 | -0.9999675 | -0.999773530 | -0.9998944 |
| ## 44 | 0.68743749  | 0.83576201 | -0.986971800 | -0.9999662 | -0.999719340 | -0.9997716 |
| ## 45 | 0.68743749  | 0.83576201 | -0.989036070 | -0.9999639 | -0.999827590 | -0.9997575 |
| ## 46 | 0.69343071  | 0.84604695 | -0.992144270 | -0.9999706 | -0.999870580 | -0.9998875 |
| ## 47 | 0.68862147  | 0.84630959 | -0.993628140 | -0.9999803 | -0.999877900 | -0.9999176 |
| ## 48 | 0.68862147  | 0.84630959 | -0.993017500 | -0.9999788 | -0.999896310 | -0.9998289 |
| ## 49 | 0.69277077  | 0.84349892 | -0.991802410 | -0.9999717 | -0.999897990 | -0.9997690 |
| ## 50 | 0.68652617  | 0.84349892 | -0.991304280 | -0.9999734 | -0.999834550 | -0.9998572 |
| ## 51 | 0.68652617  | 0.84576881 | -0.990811060 | -0.9999726 | -0.999828420 | -0.9998418 |
| ## 52 | 0.64041374  | 0.75883118 | -0.904895490 | -0.9928372 | -0.997508100 | -0.9932045 |
| ## 53 | 0.69019753  | 0.84273468 | -0.986603760 | -0.9998215 | -0.999929810 | -0.9994139 |
| ## 54 | 0.69242714  | 0.84273468 | -0.997546780 | -0.9999585 | -0.999982630 | -0.9999351 |
| ## 55 | 0.69248940  | 0.84496832 | -0.998675720 | -0.9999756 | -0.999980570 | -0.9999862 |
| ## 56 | 0.69485529  | 0.84496832 | -0.998741240 | -0.9999812 | -0.999987880 | -0.9999321 |
| ## 57 | 0.69248521  | 0.84642265 | -0.997291590 | -0.9999658 | -0.999993220 | -0.9998638 |
| ## 58 | 0.69146754  | 0.84642265 | -0.996636850 | -0.9999609 | -0.999974540 | -0.9999215 |
| ## 59 | 0.68809863  | 0.84568916 | -0.997101980 | -0.9999777 | -0.999967700 | -0.9998597 |
| ## 60 | 0.68809863  | 0.84568916 | -0.995754000 | -0.9999740 | -0.999954470 | -0.9998101 |
| ## 61 | 0.69064738  | 0.84568719 | -0.995338490 | -0.9999644 | -0.999950280 | -0.9998781 |
| ## 62 | 0.69403351  | 0.84568719 | -0.997111900 | -0.9999705 | -0.999977400 | -0.9999046 |
| ## 63 | 0.69403351  | 0.84748043 | -0.997367340 | -0.9999765 | -0.999980920 | -0.9999122 |
| ## 64 | 0.69480408  | 0.84827034 | -0.996767080 | -0.9999680 | -0.999980130 | -0.9999134 |
| ## 65 | 0.62851296  | 0.82389085 | -0.716353580 | -0.9281152 | -0.983134580 | -0.9474955 |
| ## 66 | 0.64503959  | 0.83286288 | -0.943011510 | -0.9981802 | -0.997371380 | -0.9996763 |
| ## 67 | 0.09490725  | 0.65067851 | -0.467347200 | -0.8919004 | -0.853596740 | -0.7033182 |
| ## 68 | 0.09490725  | 0.65067851 | -0.301045490 | -0.8793803 | -0.840912330 | -0.6541897 |
| ## 69 | 0.60982627  | 0.68917794 | -0.640409750 | -0.9790891 | -0.972867060 | -0.9141120 |
| ## 70 | 0.50463775  | 0.63477766 | -0.596274090 | -0.9692435 | -0.948120300 | -0.9276806 |
| ## 71 | -0.51352667 | 0.46493267 | 0.009812189  | -0.8364375 | -0.435339890 | -0.4280870 |
| ## 72 | -0.51352667 | 0.46493267 | 0.274770380  | -0.8554493 | 0.004366233  | -0.3769169 |
| ## 73 | 0.01556461  | 0.82678325 | -0.431068890 | -0.9963669 | -0.493116230 | -0.9122025 |

|        |             |            |              |            |              |            |
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| ## 74  | 0.43482983  | 0.82678325 | -0.876054380 | -0.9996488 | -0.965986980 | -0.9988813 |
| ## 75  | 0.69347377  | 0.83982133 | -0.957095450 | -0.9998209 | -0.995515120 | -0.9997445 |
| ## 76  | 0.69347377  | 0.84833835 | -0.989544160 | -0.9999591 | -0.999722680 | -0.9999015 |
| ## 77  | 0.69762776  | 0.84539717 | -0.990374430 | -0.9999555 | -0.999749400 | -0.9999431 |
| ## 78  | 0.69269801  | 0.84539717 | -0.991160620 | -0.9999432 | -0.999855820 | -0.9999200 |
| ## 79  | 0.15669144  | 0.41137698 | -0.215440880 | -0.7730649 | -0.854761990 | -0.7020233 |
| ## 80  | 0.12274328  | 0.41137698 | -0.122735700 | -0.7015888 | -0.796130450 | -0.7517358 |
| ## 81  | 0.12274328  | 0.44828835 | -0.161977710 | -0.7359010 | -0.800720650 | -0.7671751 |
| ## 82  | 0.07358484  | 0.38456178 | -0.063473349 | -0.7013638 | -0.734191260 | -0.7151081 |
| ## 83  | 0.05239311  | 0.36207499 | -0.020750206 | -0.6996558 | -0.738225830 | -0.6516491 |
| ## 84  | 0.05239311  | 0.36207499 | -0.049866654 | -0.6979802 | -0.795262460 | -0.6409019 |
| ## 85  | 0.15348790  | 0.41833620 | -0.077454350 | -0.7049459 | -0.792373400 | -0.6770720 |
| ## 86  | 0.10959213  | 0.36118826 | -0.101384630 | -0.7149169 | -0.782954360 | -0.7168641 |
| ## 87  | -0.02305703 | 0.39875442 | -0.148595910 | -0.7891772 | -0.813001520 | -0.6566977 |
| ## 88  | -0.02305703 | 0.47103177 | -0.106408810 | -0.7270851 | -0.760975650 | -0.7186393 |
| ## 89  | 0.06192051  | 0.44933141 | -0.133331540 | -0.7243844 | -0.795578690 | -0.7291554 |
| ## 90  | 0.07793456  | 0.38524718 | -0.104773030 | -0.7090227 | -0.777616640 | -0.7357045 |
| ## 91  | 0.04994565  | 0.38524718 | -0.063314299 | -0.6795539 | -0.751526730 | -0.7239774 |
| ## 92  | -0.26602514 | 0.41204260 | -0.001055331 | -0.6531175 | -0.726064680 | -0.6599858 |
| ## 93  | -0.26602514 | 0.41204260 | -0.022468802 | -0.6842913 | -0.706129370 | -0.6776426 |
| ## 94  | 0.01085331  | 0.40025118 | -0.053494999 | -0.6943638 | -0.736035220 | -0.7193823 |
| ## 95  | 0.07643325  | 0.40025118 | -0.056379852 | -0.6823687 | -0.762497790 | -0.7182126 |
| ## 96  | 0.07643325  | 0.42173551 | -0.068276892 | -0.7159603 | -0.752109000 | -0.6937207 |
| ## 97  | -0.03123712 | 0.42173551 | -0.095751198 | -0.7548387 | -0.743640880 | -0.6897870 |
| ## 98  | -0.03123712 | 0.42478312 | -0.202498030 | -0.7958969 | -0.792043090 | -0.7412388 |
| ## 99  | -0.02955400 | 0.29244527 | -0.044668533 | -0.6654109 | -0.748559850 | -0.7128115 |
| ## 100 | -0.02955400 | 0.43593574 | -0.011597699 | -0.6037691 | -0.761550450 | -0.7244772 |
| ## 101 | 0.05328024  | 0.43974894 | -0.056920865 | -0.6284922 | -0.791504400 | -0.7499626 |
| ## 102 | -0.32877705 | 0.43974894 | -0.049153661 | -0.6553419 | -0.721789900 | -0.7527790 |
| ## 103 | -0.32877705 | 0.46632037 | -0.070727463 | -0.7076966 | -0.710490730 | -0.7306137 |
| ## 104 | -0.18790104 | 0.36563093 | -0.043306159 | -0.7172401 | -0.689283880 | -0.6969557 |
| ## 105 | -0.18790104 | 0.36563093 | -0.045108240 | -0.7022418 | -0.728065470 | -0.6849633 |
| ## 106 | 0.10262708  | 0.39489952 | -0.075059617 | -0.6771773 | -0.807747180 | -0.6934129 |
| ## 107 | 0.02419919  | 0.39489952 | -0.054231809 | -0.6775532 | -0.751613720 | -0.6932936 |
| ## 108 | -0.16290617 | 0.40683418 | -0.042613154 | -0.7140928 | -0.674971390 | -0.7136866 |
| ## 109 | -0.16290617 | 0.43603360 | -0.060869031 | -0.7351527 | -0.694839040 | -0.7254435 |
| ## 110 | -0.01070852 | 0.44651917 | -0.089186604 | -0.7488488 | -0.726528290 | -0.7246439 |
| ## 111 | -0.01070852 | 0.45319139 | -0.136891450 | -0.7621528 | -0.754665310 | -0.7465708 |
| ## 112 | -0.11356479 | 0.36811424 | -0.023573535 | -0.6612234 | -0.700994190 | -0.6694212 |
| ## 113 | -0.08873174 | 0.46296125 | -0.112216950 | -0.6957504 | -0.780020940 | -0.7782646 |
| ## 114 | 0.12318129  | 0.43468713 | -0.118343390 | -0.7193249 | -0.789735330 | -0.7601723 |
| ## 115 | 0.08322802  | 0.43468713 | -0.093483447 | -0.7138206 | -0.764947770 | -0.7329919 |
| ## 116 | -0.04471410 | 0.42944109 | -0.068212129 | -0.6940048 | -0.756394580 | -0.7247132 |
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| ## 118 | 0.04733612  | 0.44194523 | -0.121883830 | -0.7256381 | -0.784076300 | -0.7419523 |
| ## 119 | 0.13697205  | 0.37431264 | -0.235433940 | -0.8138358 | -0.814024080 | -0.7534728 |
| ## 120 | 0.14484587  | 0.37431264 | -0.247832040 | -0.8004216 | -0.833060150 | -0.7781071 |
| ## 121 | 0.02558510  | 0.46636993 | -0.235228100 | -0.7994264 | -0.835260790 | -0.7538739 |
| ## 122 | 0.02558510  | 0.43328785 | -0.232781210 | -0.8411229 | -0.805269540 | -0.7128553 |
| ## 123 | 0.09768447  | 0.36231623 | -0.169823080 | -0.7979570 | -0.792528740 | -0.6986302 |

|        |             |            |              |            |              |            |
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| ## 124 | 0.10678975  | 0.36231623 | -0.138650380 | -0.7671242 | -0.795876510 | -0.6979173 |
| ## 125 | 0.08081697  | 0.41996436 | -0.206838260 | -0.8024042 | -0.797436640 | -0.7362033 |
| ## 126 | 0.14336935  | 0.54248885 | -0.174733100 | -0.6546991 | -0.869747710 | -0.8340692 |
| ## 127 | 0.12997272  | 0.42536788 | -0.058272515 | -0.5382940 | -0.856749360 | -0.7927951 |
| ## 128 | -0.19373284 | 0.42536788 | -0.095511401 | -0.5891349 | -0.809356590 | -0.8043962 |
| ## 129 | -0.22828834 | 0.46726714 | -0.105280690 | -0.6233648 | -0.752514130 | -0.7987318 |
| ## 130 | -0.22828834 | 0.30548818 | 0.009638008  | -0.4276110 | -0.782024760 | -0.7341452 |
| ## 131 | -0.23469758 | 0.30548818 | 0.071396474  | -0.3719150 | -0.773312880 | -0.7248411 |
| ## 132 | -0.23469758 | 0.28458405 | -0.024781276 | -0.5206432 | -0.817936440 | -0.7083035 |
| ## 133 | 0.04991037  | 0.28458405 | -0.094949244 | -0.5477459 | -0.889319250 | -0.7479284 |
| ## 134 | 0.04991037  | 0.34677635 | -0.108239830 | -0.5602714 | -0.876010490 | -0.7942046 |
| ## 135 | -0.04399357 | 0.06836439 | 0.154693670  | -0.3689963 | -0.773875250 | -0.4927203 |
| ## 136 | -0.04399357 | 0.06836439 | 0.115735180  | -0.3699548 | -0.798673990 | -0.5801221 |
| ## 137 | -0.59110576 | 0.28058569 | 0.125728710  | -0.3951181 | -0.674200210 | -0.7006542 |
| ## 138 | -0.59110576 | 0.41835549 | 0.085981120  | -0.4425532 | -0.690886500 | -0.7188578 |
| ## 139 | -0.03675092 | 0.31721199 | 0.106225010  | -0.3686619 | -0.825560140 | -0.6693221 |
| ## 140 | -0.03675092 | 0.31721199 | 0.052314383  | -0.4332227 | -0.812902830 | -0.7278861 |
| ## 141 | 0.12064436  | 0.32660596 | 0.045678036  | -0.3422508 | -0.861729050 | -0.7239383 |
| ## 142 | -0.03123002 | 0.17253731 | 0.106409990  | -0.2179277 | -0.878862390 | -0.6808656 |
| ## 143 | 0.13961058  | 0.44911368 | 0.043607949  | -0.4128887 | -0.842316720 | -0.7534826 |
| ## 144 | 0.15397543  | 0.44911368 | 0.037151093  | -0.4192342 | -0.840389800 | -0.7736598 |
| ## 145 | -0.14532402 | 0.43608380 | -0.037886698 | -0.5962901 | -0.761003080 | -0.7291866 |
| ## 146 | -0.14532402 | 0.43608380 | 0.048410661  | -0.4723697 | -0.734733250 | -0.6947072 |
| ## 147 | 0.05741544  | 0.42841653 | 0.021180007  | -0.3908814 | -0.817776230 | -0.7572385 |
| ## 148 | 0.05741544  | 0.42841653 | -0.069972254 | -0.5394486 | -0.854545660 | -0.7784103 |
| ## 149 | 0.16428642  | 0.44211554 | -0.038386541 | -0.5194290 | -0.874173270 | -0.7581262 |
| ## 150 | 0.16428642  | 0.45603991 | -0.050518629 | -0.4786884 | -0.884193470 | -0.7736259 |
| ## 151 | 0.11676394  | 0.37135921 | -0.124637570 | -0.7968672 | -0.836312140 | -0.5279935 |
| ## 152 | 0.24376706  | 0.49275083 | -0.143300280 | -0.7932437 | -0.850465810 | -0.6370141 |
| ## 153 | 0.09134202  | 0.49329446 | -0.111983060 | -0.7954543 | -0.805660460 | -0.6447931 |
| ## 154 | 0.09134202  | 0.38349808 | -0.093361317 | -0.7990000 | -0.768171480 | -0.5660472 |
| ## 155 | 0.14049287  | 0.38349808 | -0.095180321 | -0.7772771 | -0.813633830 | -0.5176327 |
| ## 156 | 0.21346028  | 0.51661759 | -0.139942100 | -0.8194054 | -0.836431730 | -0.5509770 |
| ## 157 | 0.20070781  | 0.38520671 | -0.125675550 | -0.8219056 | -0.831618940 | -0.5286799 |
| ## 158 | 0.20070781  | 0.38520671 | -0.114645420 | -0.7819803 | -0.860387480 | -0.5293569 |
| ## 159 | 0.24392763  | 0.41117757 | -0.065918940 | -0.7019802 | -0.831081480 | -0.5791028 |
| ## 160 | 0.26539705  | 0.41117757 | -0.113205700 | -0.7648621 | -0.847819450 | -0.6120642 |
| ## 161 | 0.04193614  | 0.38584412 | -0.096237377 | -0.7919513 | -0.790464700 | -0.6284856 |
| ## 162 | 0.04193614  | 0.38584412 | -0.104586920 | -0.7937310 | -0.798924700 | -0.6345883 |
| ## 163 | 0.27341933  | 0.54210912 | -0.178751200 | -0.8341889 | -0.849885980 | -0.6277213 |
| ## 164 | 0.21188424  | 0.44099563 | -0.110682580 | -0.8310131 | -0.808571800 | -0.5674862 |
| ## 165 | 0.21188424  | 0.44099563 | -0.145693330 | -0.8165235 | -0.841593730 | -0.5815910 |
| ## 166 | 0.35248359  | 0.45933642 | -0.238334280 | -0.8383462 | -0.886393310 | -0.6135089 |
| ## 167 | 0.30127391  | 0.48506667 | -0.206716980 | -0.8515603 | -0.878378480 | -0.5443597 |
| ## 168 | 0.20866908  | 0.46029854 | -0.088307992 | -0.7874863 | -0.807688740 | -0.5449233 |
| ## 169 | 0.01471095  | 0.49486833 | -0.103032950 | -0.7887962 | -0.787382460 | -0.6180138 |
| ## 170 | 0.01471095  | 0.48308101 | -0.094280583 | -0.8160125 | -0.736395250 | -0.5906338 |
| ## 171 | 0.08351172  | 0.39160844 | -0.085301987 | -0.8416273 | -0.757349480 | -0.4967290 |
| ## 172 | 0.14915890  | 0.39160844 | -0.141958610 | -0.8453003 | -0.802825240 | -0.5784163 |
| ## 173 | 0.16869689  | 0.58928617 | -0.189900160 | -0.8582898 | -0.801815070 | -0.5915369 |

|        |             |               |              |              |              |            |
|--------|-------------|---------------|--------------|--------------|--------------|------------|
| ## 174 | 0.16869689  | 0.47515276    | -0.137478170 | -0.8114579   | -0.816531960 | -0.4990239 |
| ## 175 | 0.20617590  | 0.47515276    | -0.163468630 | -0.7943342   | -0.858990900 | -0.5714132 |
| ## 176 | 0.10447987  | 0.39451851    | -0.169908030 | -0.7828300   | -0.864105650 | -0.5961763 |
| ## 177 | 0.65114657  | 0.80024157    | -0.925233590 | -0.9994869   | -0.998176830 | -0.9901697 |
| ##     | NA          | NA            | NA           | NA           | NA           | NA         |
| ## 1   | -0.99423081 | -0.9876139200 | -0.943219990 | -0.407747070 | -0.67933751  |            |
| ## 2   | -0.99915036 | -0.9778655000 | -0.948224780 | -0.714891660 | -0.50093000  |            |
| ## 3   | -0.99713008 | -0.9648098900 | -0.974675000 | -0.592235140 | -0.48582066  |            |
| ## 4   | -0.99718043 | -0.9837991200 | -0.986006790 | -0.627446260 | -0.85093004  |            |
| ## 5   | -0.99800428 | -0.9812318600 | -0.991324650 | -0.786552530 | -0.55947687  |            |
| ## 6   | -0.99758385 | -0.9918468100 | -0.995413570 | -0.751869080 | -0.45477250  |            |
| ## 7   | -0.99686258 | -0.9724023600 | -0.982863830 | -0.637184960 | -0.51475133  |            |
| ## 8   | -0.99576798 | -0.9758468700 | -0.986828570 | -0.633239420 | -0.74387744  |            |
| ## 9   | -0.99735109 | -0.9572119300 | -0.985840640 | -0.683117240 | -0.52481198  |            |
| ## 10  | -0.99616279 | -0.9798092300 | -0.982810720 | -0.550721320 | -0.29455303  |            |
| ## 11  | -0.99586811 | -0.9802646400 | -0.982755160 | -0.628997330 | -0.39674770  |            |
| ## 12  | -0.99747424 | -0.9848678000 | -0.992936290 | -0.838021920 | -0.77507130  |            |
| ## 13  | -0.99838369 | -0.9806247800 | -0.995275600 | -0.849672190 | -0.67399747  |            |
| ## 14  | -0.99808164 | -0.9928902900 | -0.990088370 | -0.888214740 | -0.55377311  |            |
| ## 15  | -0.98937379 | -0.7695368300 | -0.869028710 | -0.163202860 | 0.05464478   |            |
| ## 16  | -0.99668414 | -0.9750486400 | -0.983843720 | -0.627970940 | -0.66763441  |            |
| ## 17  | -0.99667618 | -0.9835947600 | -0.977652920 | -0.645632950 | -0.48190674  |            |
| ## 18  | -0.99790967 | -0.9901020300 | -0.993708160 | -0.642111680 | -0.49609317  |            |
| ## 19  | -0.99748035 | -0.9938378500 | -0.995221860 | -0.701819180 | -0.75322464  |            |
| ## 20  | -0.99843035 | -0.9903538100 | -0.994458050 | -0.805919610 | -0.66103907  |            |
| ## 21  | -0.99822682 | -0.9930609200 | -0.993999100 | -0.742251030 | -0.60838995  |            |
| ## 22  | -0.99823553 | -0.9903690500 | -0.995307400 | -0.742251030 | -0.73493716  |            |
| ## 23  | -0.99824944 | -0.9907111700 | -0.994559360 | -0.796050840 | -0.81314755  |            |
| ## 24  | -0.99928724 | -0.9869605300 | -0.987914960 | -0.728911850 | -0.62171508  |            |
| ## 25  | -0.99844717 | -0.9906838400 | -0.993550360 | -0.640677550 | -0.45340072  |            |
| ## 26  | -0.99728846 | -0.9861393900 | -0.997367870 | -0.667770640 | -0.51727554  |            |
| ## 27  | -0.99912839 | -0.9937126100 | -0.992245890 | -0.826873100 | -0.75315631  |            |
| ## 28  | -0.89712813 | -0.1586247100 | -0.401964070 | -0.484722270 | 0.55583606   |            |
| ## 29  | -0.98674576 | -0.9085151800 | -0.920034970 | -0.238788550 | -0.48263791  |            |
| ## 30  | -0.99233797 | -0.9549199000 | -0.980902710 | -0.496178520 | -0.39770723  |            |
| ## 31  | -0.99272564 | -0.9421593900 | -0.966505160 | -0.453268710 | 0.13570009   |            |
| ## 32  | -0.79149227 | -0.5493111000 | -0.517773070 | -0.514607260 | 0.67312385   |            |
| ## 33  | -0.79951264 | -0.5302394900 | -0.556589280 | -0.366055220 | 0.72545068   |            |
| ## 34  | -0.97072907 | -0.9108420800 | -0.932381890 | 0.073575726  | -0.21818565  |            |
| ## 35  | -0.98013024 | -0.9614380300 | -0.962324150 | -0.213254610 | -0.62233741  |            |
| ## 36  | -0.99291320 | -0.9918392300 | -0.992170400 | -0.688861400 | -0.57831391  |            |
| ## 37  | -0.99617470 | -0.9966613500 | -0.999311610 | -0.627894910 | -0.72337814  |            |
| ## 38  | -0.99648186 | -0.9940441400 | -0.994741910 | -0.690415600 | -0.66445583  |            |
| ## 39  | -0.98122406 | -0.9321343900 | -0.964292640 | -0.791228330 | 0.08287955   |            |
| ## 40  | -0.99420750 | -0.9433963800 | -0.987561540 | -0.627446260 | 0.01436901   |            |
| ## 41  | -0.99620975 | -0.9812344000 | -0.989586250 | -0.555017150 | -0.61174758  |            |
| ## 42  | -0.99449186 | -0.9855708300 | -0.993678520 | -0.584878270 | -0.66021127  |            |
| ## 43  | -0.99597520 | -0.9800857800 | -0.997818110 | -0.725621050 | -0.37377648  |            |
| ## 44  | -0.99359831 | -0.9659149300 | -0.989972550 | -0.591934660 | -0.45169492  |            |
| ## 45  | -0.99281538 | -0.9779629000 | -0.985006900 | -0.570772550 | -0.61318133  |            |



|       |             |               |              |              |             |
|-------|-------------|---------------|--------------|--------------|-------------|
| ## 46 | -0.99582312 | -0.9875016900 | -0.985386140 | -0.702793240 | -0.45550397 |
| ## 47 | -0.99697219 | -0.9793413100 | -0.988903610 | -0.667770640 | -0.54961143 |
| ## 48 | -0.99674188 | -0.9841429500 | -0.987147090 | -0.675878980 | -0.62023971 |
| ## 49 | -0.99691383 | -0.9871586400 | -0.986182570 | -0.733786590 | -0.51639401 |
| ## 50 | -0.99620323 | -0.9816437800 | -0.993828670 | -0.615318100 | -0.64253876 |
| ## 51 | -0.99617222 | -0.9773868800 | -0.989003440 | -0.607805080 | -0.57518399 |
| ## 52 | -0.92019919 | -0.9729584600 | -0.954596390 | 0.583721850  | -0.40393562 |
| ## 53 | -0.99110849 | -0.9895981200 | -0.981874250 | -0.445464390 | -0.79809120 |
| ## 54 | -0.99512477 | -0.9961562500 | -0.996809810 | -0.616394250 | -0.78410799 |
| ## 55 | -0.99600159 | -0.9951915500 | -0.996705630 | -0.604512570 | -0.77437048 |
| ## 56 | -0.99696253 | -0.9966034300 | -0.994295670 | -0.714891660 | -0.77437048 |
| ## 57 | -0.99624960 | -0.9972086500 | -0.991896090 | -0.616394250 | -0.79877241 |
| ## 58 | -0.99554629 | -0.9928160400 | -0.995109730 | -0.611174350 | -0.76878471 |
| ## 59 | -0.99793501 | -0.9937788800 | -0.993413980 | -0.622899960 | -0.77748596 |
| ## 60 | -0.99761679 | -0.9935592500 | -0.989723690 | -0.567846940 | -0.78192551 |
| ## 61 | -0.99679960 | -0.9911294100 | -0.988586210 | -0.624357260 | -0.67236287 |
| ## 62 | -0.99625439 | -0.9943962700 | -0.993335670 | -0.649984480 | -0.67668474 |
| ## 63 | -0.99591133 | -0.9960694400 | -0.991374760 | -0.627970940 | -0.78614445 |
| ## 64 | -0.99560128 | -0.9952810800 | -0.991652950 | -0.577257850 | -0.77437048 |
| ## 65 | -0.75922954 | -0.7802864900 | -0.907667290 | 0.030495821  | -0.16670018 |
| ## 66 | -0.95160020 | -0.9077704800 | -0.988497560 | 0.241292310  | -0.51040234 |
| ## 67 | -0.65549242 | -0.4613556600 | -0.214138710 | -0.564789290 | -0.17171626 |
| ## 68 | -0.64749960 | -0.2810607100 | -0.087491445 | -0.295051710 | 0.04512077  |
| ## 69 | -0.89942304 | -0.8303006400 | -0.725723830 | 0.554659710  | 0.42107625  |
| ## 70 | -0.81183653 | -0.8324965900 | -0.800535240 | 0.503502540  | 0.62055374  |
| ## 71 | -0.75472288 | 0.0632644140  | 0.012373240  | -0.465699320 | 0.03428017  |
| ## 72 | -0.67833686 | -0.3248009100 | -0.320818760 | -0.393086310 | -0.95624852 |
| ## 73 | -0.97069784 | 0.2044971500  | -0.629301610 | -0.006705565 | -0.57308512 |
| ## 74 | -0.97902185 | -0.7850371200 | -0.966586230 | -0.272660360 | 0.10707749  |
| ## 75 | -0.98817875 | -0.8820409100 | -0.988077260 | -0.551420800 | 0.11030984  |
| ## 76 | -0.99553290 | -0.9798405400 | -0.994794810 | -0.477550060 | -0.32158971 |
| ## 77 | -0.99556790 | -0.9886543700 | -0.995488860 | -0.500495710 | -0.35621467 |
| ## 78 | -0.99403820 | -0.9897574000 | -0.990271080 | -0.656383130 | -0.45118231 |
| ## 79 | -0.54527636 | -0.4915179200 | -0.341296890 | 0.423705880  | 0.28635107  |
| ## 80 | -0.27767761 | -0.2125918100 | -0.386869960 | 0.345317360  | 0.26495523  |
| ## 81 | -0.43453613 | -0.3974883300 | -0.528744930 | 0.308493850  | 0.48325410  |
| ## 82 | -0.35526547 | -0.2723163400 | -0.483873100 | 0.447831070  | 0.42468923  |
| ## 83 | -0.28293314 | -0.1740794100 | -0.314610960 | 0.397098660  | 0.39536522  |
| ## 84 | -0.28357535 | -0.3716844500 | -0.004629248 | 0.356123700  | 0.48573092  |
| ## 85 | -0.39200046 | -0.2643995100 | -0.058662513 | 0.370128680  | 0.41582094  |
| ## 86 | -0.38763499 | -0.1489891300 | -0.200404370 | 0.330104930  | 0.25655498  |
| ## 87 | -0.46625697 | -0.3544908400 | -0.076900473 | 0.363369090  | 0.38204084  |
| ## 88 | -0.29764436 | -0.1708154400 | -0.369228440 | 0.336503580  | 0.40761230  |
| ## 89 | -0.36000131 | -0.3506569600 | -0.394175730 | 0.281977450  | 0.40393269  |
| ## 90 | -0.35622399 | -0.3714799400 | -0.485423090 | 0.429938650  | 0.44071518  |
| ## 91 | -0.30603274 | -0.2271455700 | -0.381958890 | 0.431275220  | 0.37753839  |
| ## 92 | -0.22616169 | -0.3230490100 | -0.005093158 | 0.399281970  | 0.51925191  |
| ## 93 | -0.27199844 | -0.2626198000 | 0.018179973  | 0.517487880  | 0.49287166  |
| ## 94 | -0.39629127 | -0.1647681700 | -0.144772600 | 0.350932730  | 0.41025759  |
| ## 95 | -0.38984835 | -0.3150491400 | -0.132556470 | 0.400553530  | 0.47671299  |

|        |             |               |              |             |            |
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| ## 96  | -0.38306925 | -0.2796432600 | -0.096385115 | 0.471568880 | 0.40857812 |
| ## 97  | -0.40965361 | -0.1995802000 | -0.056776265 | 0.429785030 | 0.42362731 |
| ## 98  | -0.50384930 | -0.4159871900 | -0.209101620 | 0.360953960 | 0.45187411 |
| ## 99  | -0.36271559 | -0.1636839500 | -0.229219800 | 0.409664140 | 0.42145870 |
| ## 100 | -0.21947512 | -0.2556960000 | -0.213168260 | 0.398138400 | 0.46242807 |
| ## 101 | -0.21474300 | -0.3181338300 | -0.274014920 | 0.491053230 | 0.35408097 |
| ## 102 | -0.26230788 | -0.2319103300 | -0.461255730 | 0.385341100 | 0.43844100 |
| ## 103 | -0.40954905 | -0.3160903700 | -0.437954790 | 0.354555310 | 0.50452885 |
| ## 104 | -0.36536591 | -0.3034065700 | -0.338537450 | 0.429938650 | 0.42746130 |
| ## 105 | -0.33536337 | -0.3042891300 | -0.110096690 | 0.247740750 | 0.44686067 |
| ## 106 | -0.30931735 | -0.4585518000 | 0.010603724  | 0.318389480 | 0.47501350 |
| ## 107 | -0.33998624 | -0.3127312200 | -0.006492470 | 0.389324620 | 0.47501350 |
| ## 108 | -0.37498611 | -0.1328346800 | -0.372071620 | 0.297189870 | 0.41558288 |
| ## 109 | -0.32657958 | -0.1131935500 | -0.315921990 | 0.454130740 | 0.39906969 |
| ## 110 | -0.35970459 | -0.2160754900 | -0.285541560 | 0.466928040 | 0.41998743 |
| ## 111 | -0.48881652 | -0.2283680900 | -0.402597770 | 0.308493850 | 0.44466118 |
| ## 112 | -0.41769726 | -0.1832299700 | -0.182997460 | 0.387756230 | 0.32258277 |
| ## 113 | -0.39691527 | -0.2748367400 | -0.418877780 | 0.209348850 | 0.36932975 |
| ## 114 | -0.38423546 | -0.3429665000 | -0.366497720 | 0.345317360 | 0.44141242 |
| ## 115 | -0.38133441 | -0.3398889600 | -0.352038220 | 0.421124870 | 0.44676279 |
| ## 116 | -0.33496221 | -0.3500113000 | -0.106612920 | 0.222146150 | 0.45706325 |
| ## 117 | -0.27451614 | -0.3542493700 | -0.060935457 | 0.367352610 | 0.43230608 |
| ## 118 | -0.40854691 | -0.2484770900 | -0.118421810 | 0.447732090 | 0.41982622 |
| ## 119 | -0.56690291 | -0.2526008000 | -0.402061690 | 0.206933720 | 0.39008629 |
| ## 120 | -0.53743946 | -0.5295776000 | -0.356425070 | 0.235671390 | 0.46513035 |
| ## 121 | -0.50198755 | -0.5338465200 | -0.343366770 | 0.487063030 | 0.55465083 |
| ## 122 | -0.54632953 | -0.4234245300 | -0.345404100 | 0.528430330 | 0.43749521 |
| ## 123 | -0.52596181 | -0.2129023800 | -0.211614310 | 0.377902720 | 0.35178419 |
| ## 124 | -0.50920134 | -0.3248566500 | -0.174129470 | 0.314405960 | 0.37483750 |
| ## 125 | -0.53372235 | -0.3962859600 | -0.184808770 | 0.303588520 | 0.46693409 |
| ## 126 | -0.34035644 | -0.4593600600 | -0.314060560 | 0.350571790 | 0.35255745 |
| ## 127 | -0.17173650 | -0.4088450900 | -0.233499730 | 0.232528320 | 0.20892813 |
| ## 128 | -0.33847831 | -0.4480790100 | -0.267648590 | 0.148147080 | 0.28562890 |
| ## 129 | -0.45856694 | -0.5040468300 | -0.311711580 | 0.041264651 | 0.34777810 |
| ## 130 | -0.41805877 | -0.4593998400 | -0.159690110 | 0.064051608 | 0.47977839 |
| ## 131 | -0.31910878 | -0.3785245400 | -0.118431680 | 0.022408159 | 0.37460868 |
| ## 132 | -0.30289020 | -0.4580034800 | -0.096735238 | 0.098459982 | 0.30611561 |
| ## 133 | -0.21821831 | -0.5948519300 | -0.198808690 | 0.123107910 | 0.39065002 |
| ## 134 | -0.23030376 | -0.5747093700 | -0.330279400 | 0.098013803 | 0.33825446 |
| ## 135 | -0.09182886 | -0.4144979900 | -0.124048200 | 0.173130630 | 0.41256235 |
| ## 136 | 0.04715731  | -0.5160730500 | -0.020420545 | 0.333601900 | 0.32411717 |
| ## 137 | -0.13650256 | -0.4252218600 | -0.141360530 | 0.135905210 | 0.45655582 |
| ## 138 | -0.27822398 | -0.3266200600 | -0.170778770 | 0.135905210 | 0.47958899 |
| ## 139 | 0.01128835  | -0.4058237100 | -0.054803304 | 0.406952180 | 0.48627756 |
| ## 140 | -0.16241486 | -0.2607558600 | -0.104361740 | 0.296230310 | 0.43263578 |
| ## 141 | -0.17888416 | -0.3955887600 | -0.206551900 | 0.333601900 | 0.34226897 |
| ## 142 | 0.10777722  | -0.4733117600 | -0.168216010 | 0.370911950 | 0.35030030 |
| ## 143 | -0.07592030 | -0.3609062300 | -0.191331350 | 0.597842960 | 0.39273158 |
| ## 144 | -0.08556861 | -0.2819233400 | -0.189454520 | 0.327203250 | 0.36847375 |
| ## 145 | -0.36545717 | -0.2824336400 | -0.289392470 | 0.141748430 | 0.24294618 |

|        |               |               |              |              |              |
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| ## 146 | -0.31823875   | -0.2273337700 | -0.223166670 | 0.362098170  | 0.16895801   |
| ## 147 | -0.29126799   | -0.3700819500 | -0.210079350 | 0.290791230  | 0.34241874   |
| ## 148 | -0.29528437   | -0.3519844500 | -0.208965940 | 0.260366370  | 0.31866893   |
| ## 149 | -0.19502547   | -0.3172981800 | -0.320863920 | 0.342902230  | 0.45205337   |
| ## 150 | -0.26132380   | -0.4460255800 | -0.190347500 | 0.359196500  | 0.36552765   |
| ## 151 | -0.49610412   | -0.3202596300 | 0.045699248  | 0.436503180  | 0.15016008   |
| ## 152 | -0.45589802   | -0.2955678800 | 0.067126613  | 0.506997990  | 0.27355114   |
| ## 153 | -0.45474937   | -0.2582979300 | 0.111541200  | 0.558604320  | 0.42345884   |
| ## 154 | -0.49178827   | -0.0566921490 | -0.049627250 | 0.511649510  | 0.39314750   |
| ## 155 | -0.54068387   | -0.3107702900 | 0.049531730  | 0.437448910  | 0.40867320   |
| ## 156 | -0.60216277   | -0.3766249300 | 0.229974130  | 0.240501650  | 0.43775432   |
| ## 157 | -0.55522241   | -0.2735287100 | 0.103245320  | 0.332520060  | 0.28016993   |
| ## 158 | -0.49019940   | -0.3298157100 | -0.019151011 | 0.561019450  | 0.28111573   |
| ## 159 | -0.35360888   | -0.2519376200 | 0.064958717  | 0.304510340  | 0.16572748   |
| ## 160 | -0.41538442   | -0.3105502000 | 0.077363849  | 0.550637290  | 0.31543503   |
| ## 161 | -0.41239356   | -0.2662524600 | 0.108678380  | 0.647113550  | 0.35699414   |
| ## 162 | -0.43291422   | -0.0793423880 | -0.053430929 | 0.651392630  | 0.33819620   |
| ## 163 | -0.57219401   | -0.1837781700 | -0.098844948 | 0.601476270  | 0.30574344   |
| ## 164 | -0.56107834   | -0.0709801500 | 0.131555370  | 0.558604320  | 0.36334551   |
| ## 165 | -0.54742158   | -0.1866018800 | 0.017211579  | 0.455107570  | 0.19822373   |
| ## 166 | -0.62414424   | -0.4343128800 | -0.026607326 | 0.469854980  | 0.10251750   |
| ## 167 | -0.57334681   | -0.3780246200 | 0.205820670  | 0.492202710  | 0.22907828   |
| ## 168 | -0.47865828   | 0.0003086425  | 0.016855061  | 0.538764750  | 0.17091661   |
| ## 169 | -0.51678046   | -0.0853701180 | -0.109298000 | 0.519616550  | 0.34846479   |
| ## 170 | -0.51142984   | -0.1150975100 | -0.153314310 | 0.475840800  | 0.38890416   |
| ## 171 | -0.57427108   | -0.1707687600 | 0.170103500  | 0.506258970  | 0.41867725   |
| ## 172 | -0.57935277   | -0.1770358400 | 0.105957330  | 0.469435470  | 0.30675626   |
| ## 173 | -0.64018163   | -0.2644476300 | 0.037494402  | 0.337774490  | 0.38293855   |
| ## 174 | -0.61209828   | -0.2814436000 | -0.038751081 | 0.287416530  | 0.42468923   |
| ## 175 | -0.55616082   | -0.2940824500 | -0.008681401 | 0.272204100  | 0.28404111   |
| ## 176 | -0.51392864   | -0.3577785100 | 0.093680558  | 0.246000680  | 0.23797018   |
| ## 177 | -0.97828984   | -0.9277396500 | -0.918530900 | -0.458626270 | -0.60368037  |
| ##     | NA            | NA            | NA           | NA           | NA           |
| ## 1   | -0.6021218700 | 0.929293510   | -0.853011140 | 0.359909760  | -0.058526382 |
| ## 2   | -0.5709790600 | 0.611627160   | -0.329548620 | 0.284213210  | 0.284594540  |
| ## 3   | -0.5709790600 | 0.273024840   | -0.086308698 | 0.337201510  | -0.164738700 |
| ## 4   | -0.9118715700 | 0.061435711   | 0.074839555  | 0.198204030  | -0.264307330 |
| ## 5   | -0.7614338400 | 0.313275530   | -0.131207730 | 0.191160850  | 0.086903625  |
| ## 6   | -0.5508815400 | 0.390052110   | -0.182272380 | 0.158751500  | 0.187312560  |
| ## 7   | -0.5365527600 | 0.360460180   | -0.233335090 | 0.226456710  | 0.069525313  |
| ## 8   | -0.8224081200 | 0.363063950   | -0.300719100 | 0.346866580  | -0.063693617 |
| ## 9   | -0.7585241200 | 0.358267710   | -0.253308620 | 0.266929210  | -0.124250260 |
| ## 10  | -0.4797107700 | 0.192862600   | -0.021212436 | 0.037914663  | 0.190540170  |
| ## 11  | -0.4239002100 | 0.345507600   | -0.173995630 | 0.178122810  | 0.169443890  |
| ## 12  | -0.6025762100 | 0.342965930   | -0.323938110 | 0.371005910  | -0.107567610 |
| ## 13  | -0.7546591900 | 0.157461990   | -0.046057965 | 0.048849273  | 0.004906740  |
| ## 14  | -0.5508815400 | 0.412097030   | -0.128236910 | 0.265079770  | 0.067705297  |
| ## 15  | 0.0730028600  | 0.157862840   | -0.160336380 | 0.190318760  | -0.321830340 |
| ## 16  | -0.7616251100 | 0.291043700   | -0.160034290 | 0.144970720  | 0.067883442  |
| ## 17  | -0.6769158400 | 0.193144860   | -0.040289908 | 0.109504970  | -0.046524407 |

|       |               |              |              |              |              |
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| ## 18 | -0.5445591600 | 0.335716020  | -0.136045540 | 0.205666820  | -0.047574216 |
| ## 19 | -0.6698117500 | 0.322572020  | -0.135412570 | -0.018095622 | 0.364225470  |
| ## 20 | -0.7291389200 | 0.284945380  | -0.121780530 | -0.074247996 | 0.536003280  |
| ## 21 | -0.6252615300 | 0.405067990  | -0.217908430 | 0.176361910  | 0.255021920  |
| ## 22 | -0.6046132200 | 0.445365150  | -0.249919670 | 0.282190170  | -0.114231300 |
| ## 23 | -0.6925983500 | 0.322554000  | -0.126927060 | 0.121102910  | 0.089860259  |
| ## 24 | -0.6092054700 | 0.295756720  | -0.075732760 | -0.027520221 | 0.238771700  |
| ## 25 | -0.4727479100 | 0.176466720  | -0.011826038 | -0.029310417 | 0.205731450  |
| ## 26 | -0.5546308900 | 0.300732380  | -0.138537240 | 0.288761400  | -0.089848413 |
| ## 27 | -0.5725111400 | 0.504025500  | -0.195202460 | 0.266260620  | -0.098672529 |
| ## 28 | 0.1738077000  | -0.041077609 | 0.013076571  | 0.073864994  | -0.318717240 |
| ## 29 | -0.6928231100 | 0.092021479  | -0.094523029 | 0.043629598  | -0.163651590 |
| ## 30 | -0.4734231900 | 0.323712230  | -0.275756360 | 0.143518800  | -0.148109330 |
| ## 31 | -0.2202206700 | -0.343954990 | 0.212233630  | -0.045386022 | -0.033376283 |
| ## 32 | 0.4934333400  | -0.390833480 | 0.270712140  | -0.030774429 | -0.172074320 |
| ## 33 | 0.2610604000  | -0.185872800 | 0.166933740  | 0.017569638  | -0.359703950 |
| ## 34 | -0.7228462000 | -0.070904087 | -0.040270944 | -0.054590187 | 0.097401421  |
| ## 35 | -0.5211628700 | 0.189093260  | -0.086808630 | -0.103538640 | -0.138056050 |
| ## 36 | -0.5710668900 | 0.199256600  | -0.148482760 | -0.076110358 | 0.033457894  |
| ## 37 | -0.7257973300 | 0.292179620  | -0.239373220 | 0.288675030  | -0.360761420 |
| ## 38 | -0.6079623900 | 0.200566830  | -0.160644950 | 0.255441040  | -0.265838970 |
| ## 39 | -0.6466394100 | 0.017079776  | 0.029881469  | -0.001446967 | -0.293755040 |
| ## 40 | -0.6032063000 | -0.022325008 | 0.062825176  | 0.086942735  | -0.310534020 |
| ## 41 | -0.6344021900 | 0.029612674  | 0.037375697  | -0.040398082 | 0.218167510  |
| ## 42 | -0.5762437400 | 0.057191441  | 0.089458701  | -0.245310350 | 0.417355880  |
| ## 43 | -0.6116637100 | 0.148767900  | -0.024023285 | -0.159301940 | 0.372665790  |
| ## 44 | -0.6746952600 | 0.191700270  | -0.094974188 | -0.178918110 | 0.311769880  |
| ## 45 | -0.6193924600 | 0.225848040  | -0.090667000 | -0.111683430 | 0.163934320  |
| ## 46 | -0.5618116300 | 0.182799630  | 0.016764152  | -0.069466124 | 0.097918287  |
| ## 47 | -0.6324921500 | 0.222439520  | 0.073739020  | -0.159330040 | 0.265688630  |
| ## 48 | -0.5225168000 | 0.204487100  | 0.055450248  | -0.089250166 | 0.102674800  |
| ## 49 | -0.5078488400 | 0.245613210  | -0.112750520 | 0.254890820  | -0.292521780 |
| ## 50 | -0.7294754900 | 0.295985110  | -0.193780100 | 0.228139980  | -0.126825700 |
| ## 51 | -0.5162352600 | 0.298592390  | -0.139160890 | 0.135872690  | 0.013412649  |
| ## 52 | -0.2687902600 | -0.363920440 | 0.317029510  | -0.251313730 | 0.043180800  |
| ## 53 | -0.2995051500 | 0.002718461  | -0.052910795 | 0.019408991  | -0.044117436 |
| ## 54 | -0.6136930600 | 0.109425620  | -0.049453623 | -0.187832830 | 0.388618600  |
| ## 55 | -0.6987927500 | 0.192407560  | -0.050628914 | -0.031237388 | 0.401260570  |
| ## 56 | -0.6380496300 | 0.286518250  | -0.135153280 | 0.057308621  | 0.392755650  |
| ## 57 | -0.6076725400 | 0.204485470  | -0.031294075 | -0.071679080 | 0.489052250  |
| ## 58 | -0.6630663100 | 0.145169960  | 0.004176386  | -0.108410230 | 0.495194800  |
| ## 59 | -0.5893517300 | 0.189229750  | -0.055480743 | 0.024945515  | 0.271965090  |
| ## 60 | -0.5193342700 | 0.150169880  | -0.024122557 | -0.051364175 | 0.312012330  |
| ## 61 | -0.5499224800 | 0.192201970  | -0.012556749 | -0.117735730 | 0.548150430  |
| ## 62 | -0.6190153600 | 0.287750100  | -0.064772433 | -0.063304191 | 0.588991820  |
| ## 63 | -0.5533773300 | 0.392567920  | -0.185940770 | 0.217984280  | 0.364975680  |
| ## 64 | -0.6137056000 | 0.370626610  | -0.153877340 | 0.156934520  | 0.285926940  |
| ## 65 | 0.0959806810  | -0.036349402 | -0.117841300 | 0.060712407  | 0.027187625  |
| ## 66 | -0.4970811200 | -0.185692640 | 0.174121460  | -0.279583460 | 0.132654040  |
| ## 67 | 0.3564189000  | -0.481224240 | 0.324892090  | -0.206791490 | 0.120194550  |

|        |               |              |              |              |              |
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| ## 68  | 0.5761387700  | -0.466783130 | 0.310922480  | -0.211029070 | 0.137501630  |
| ## 69  | -0.3887821000 | -0.413736630 | 0.325654640  | -0.307366600 | 0.165425580  |
| ## 70  | -0.6325677000 | -0.278009750 | 0.380699770  | -0.546169280 | 0.249501470  |
| ## 71  | 0.3897210300  | -0.254435340 | 0.236801110  | -0.184037950 | -0.034750647 |
| ## 72  | 0.9133893400  | -0.268960010 | 0.205321380  | -0.066560942 | -0.127284020 |
| ## 73  | 0.1852226500  | -0.396414960 | 0.384982000  | -0.125533900 | -0.021215416 |
| ## 74  | -0.6369990900 | 0.067963238  | -0.018980373 | 0.140465460  | -0.338375920 |
| ## 75  | -0.4598929800 | 0.129928850  | 0.003840868  | 0.130168820  | -0.237697540 |
| ## 76  | -0.5192258000 | 0.184712730  | -0.081654752 | -0.002233010 | 0.118187040  |
| ## 77  | -0.6498549200 | 0.181507390  | -0.094858756 | 0.127913310  | -0.025653212 |
| ## 78  | -0.6733648100 | 0.188611880  | 0.009761330  | -0.050900430 | 0.251905980  |
| ## 79  | -0.0320073930 | -0.591173970 | 0.683983800  | -0.557770190 | 0.348688700  |
| ## 80  | 0.1012768100  | -0.540624480 | 0.569795300  | -0.369516240 | 0.171044700  |
| ## 81  | -0.0359126260 | -0.358261000 | 0.377803610  | -0.288019180 | 0.236873040  |
| ## 82  | -0.0275614640 | -0.516604710 | 0.601612760  | -0.563007550 | 0.391750950  |
| ## 83  | 0.0022025540  | -0.623747140 | 0.728816530  | -0.761506100 | 0.536872780  |
| ## 84  | 0.0757575350  | -0.484377460 | 0.523175500  | -0.575652300 | 0.531365950  |
| ## 85  | 0.2164453500  | -0.568698140 | 0.672865970  | -0.628274320 | 0.436001800  |
| ## 86  | 0.0911921860  | -0.593228300 | 0.722126770  | -0.595063330 | 0.312589850  |
| ## 87  | 0.0182221240  | -0.354359420 | 0.195413300  | 0.183952890  | -0.112109160 |
| ## 88  | 0.0339949690  | -0.309839060 | 0.235180590  | -0.018028955 | 0.050807906  |
| ## 89  | -0.1061597700 | -0.367341470 | 0.381181210  | -0.286606910 | 0.239761360  |
| ## 90  | -0.1519668200 | -0.476275940 | 0.565515280  | -0.528986600 | 0.381785720  |
| ## 91  | 0.0136448460  | -0.540021220 | 0.605052780  | -0.595133720 | 0.467729780  |
| ## 92  | 0.1995130100  | -0.477016560 | 0.463486770  | -0.365671050 | 0.324426210  |
| ## 93  | 0.1550421100  | -0.249389840 | 0.180936340  | 0.025768637  | 0.035541806  |
| ## 94  | 0.0341850470  | -0.272955580 | 0.207026260  | 0.145677280  | -0.212714290 |
| ## 95  | 0.0134919850  | -0.433940240 | 0.442077920  | -0.151952620 | -0.025964285 |
| ## 96  | -0.0031555232 | -0.519559750 | 0.559812550  | -0.307260110 | 0.091938147  |
| ## 97  | -0.0210265720 | -0.347411990 | 0.313735690  | 0.069717608  | -0.187205940 |
| ## 98  | 0.0784970170  | -0.265973090 | 0.252183110  | 0.059798120  | -0.098621961 |
| ## 99  | -0.0740343860 | -0.262225430 | 0.199957920  | 0.023418298  | 0.033717385  |
| ## 100 | 0.1820406000  | -0.099962929 | -0.000296568 | 0.212866810  | -0.018902183 |
| ## 101 | 0.1821851100  | -0.199466390 | 0.118289100  | 0.094814216  | 0.026381769  |
| ## 102 | -0.0095968208 | -0.128394990 | 0.067622570  | 0.130313470  | -0.033672441 |
| ## 103 | -0.0546093560 | -0.284371320 | 0.289925560  | -0.181360040 | 0.118996050  |
| ## 104 | -0.0036477533 | -0.490218190 | 0.570008210  | -0.515714040 | 0.342494800  |
| ## 105 | 0.1034204400  | -0.450627230 | 0.473563480  | -0.370034450 | 0.266231140  |
| ## 106 | 0.1833086300  | -0.441665450 | 0.437818150  | -0.321074250 | 0.247230360  |
| ## 107 | 0.0488814900  | -0.299850350 | 0.316926400  | -0.208392160 | 0.231341040  |
| ## 108 | -0.0261546350 | -0.135302340 | 0.096031586  | 0.102478070  | -0.019376659 |
| ## 109 | -0.0520209620 | -0.108210660 | 0.020622529  | 0.211630930  | -0.094788605 |
| ## 110 | -0.0501206760 | -0.113138890 | 0.059871689  | 0.159722870  | -0.040398044 |
| ## 111 | 0.0790804640  | -0.148221090 | 0.127997570  | 0.074237982  | 0.013975387  |
| ## 112 | 0.0646412740  | -0.274395050 | 0.287745760  | -0.296471720 | 0.393096860  |
| ## 113 | -0.0418132290 | -0.190552140 | 0.200520400  | -0.134714380 | 0.211183110  |
| ## 114 | -0.0928738100 | -0.311794870 | 0.359476980  | -0.309509360 | 0.275257700  |
| ## 115 | -0.0488003130 | -0.522390360 | 0.588291390  | -0.533950440 | 0.388874860  |
| ## 116 | 0.0747478180  | -0.449174590 | 0.472036340  | -0.358672410 | 0.243533800  |
| ## 117 | 0.2061698100  | -0.441834490 | 0.484235600  | -0.361462890 | 0.240303390  |

|        |               |              |             |              |              |
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| ## 118 | 0.1016019400  | -0.488369640 | 0.581030290 | -0.478360470 | 0.310306240  |
| ## 119 | -0.1379733700 | -0.309385510 | 0.319794090 | -0.167899090 | 0.115317500  |
| ## 120 | -0.0845238080 | -0.438267680 | 0.450063750 | -0.179890060 | 0.045067124  |
| ## 121 | -0.0448950800 | -0.294024920 | 0.288959110 | -0.037652155 | 0.029502472  |
| ## 122 | -0.0539735790 | -0.133616160 | 0.108636570 | 0.068942181  | 0.025369425  |
| ## 123 | -0.0663228970 | -0.316763940 | 0.341109390 | -0.099724507 | 0.074865080  |
| ## 124 | 0.0446844390  | -0.418403090 | 0.419060180 | -0.179617730 | 0.096209503  |
| ## 125 | 0.0988821870  | -0.411298410 | 0.458348230 | -0.304195430 | 0.160889570  |
| ## 126 | 0.2194424500  | -0.293143250 | 0.229463380 | -0.114496880 | 0.105618190  |
| ## 127 | 0.1846420900  | -0.444154780 | 0.432128590 | -0.378887780 | 0.285895970  |
| ## 128 | 0.1153448800  | -0.455941940 | 0.498215320 | -0.520628360 | 0.393765810  |
| ## 129 | 0.1001139500  | -0.593795200 | 0.647288590 | -0.612513460 | 0.389275180  |
| ## 130 | 0.1728482900  | -0.412399190 | 0.383345810 | -0.374085280 | 0.377599820  |
| ## 131 | 0.1620754900  | -0.421978570 | 0.446205350 | -0.508139770 | 0.475390120  |
| ## 132 | 0.2608363300  | -0.482684980 | 0.591050980 | -0.789742910 | 0.697456820  |
| ## 133 | 0.3237573600  | -0.391228020 | 0.409579520 | -0.578256420 | 0.621914430  |
| ## 134 | 0.1950677000  | -0.585966580 | 0.630218840 | -0.669075950 | 0.518975390  |
| ## 135 | 0.4877274000  | -0.097506372 | 0.061074712 | -0.105104280 | 0.255578760  |
| ## 136 | 0.1825891800  | -0.410432700 | 0.387774570 | -0.331766860 | 0.285901620  |
| ## 137 | -0.0344534320 | -0.350085150 | 0.292700300 | -0.107002070 | 0.055744237  |
| ## 138 | -0.0009498576 | -0.134710840 | 0.055728804 | -0.035137256 | 0.217298400  |
| ## 139 | -0.0123743430 | -0.308909010 | 0.240359600 | -0.300679380 | 0.444082980  |
| ## 140 | 0.2064360800  | -0.818455760 | 0.916678850 | -0.895520810 | 0.545080110  |
| ## 141 | 0.3092265300  | -0.413866820 | 0.365163780 | -0.264482290 | 0.241515010  |
| ## 142 | 0.0521021390  | -0.343882660 | 0.244160470 | -0.206885550 | 0.324315440  |
| ## 143 | 0.3048596500  | -0.504317760 | 0.391953620 | -0.128738400 | 0.041415955  |
| ## 144 | 0.2027336600  | -0.547478530 | 0.543217230 | -0.471579980 | 0.324462560  |
| ## 145 | 0.0375585570  | -0.487637500 | 0.529644120 | -0.397568460 | 0.156998320  |
| ## 146 | 0.1680204400  | -0.374674260 | 0.360484380 | -0.311340260 | 0.302404300  |
| ## 147 | 0.0965528770  | -0.219740960 | 0.078076163 | -0.064348505 | 0.325747650  |
| ## 148 | 0.0840663040  | -0.225823750 | 0.090883749 | 0.156515790  | -0.119747380 |
| ## 149 | 0.3535869900  | -0.231744200 | 0.156970920 | -0.047146681 | 0.069141442  |
| ## 150 | 0.3139735300  | -0.439111820 | 0.413408380 | -0.418311160 | 0.384174520  |
| ## 151 | 0.1271431400  | -0.239109050 | 0.011042400 | 0.322400720  | -0.196053380 |
| ## 152 | -0.0921892250 | -0.409604790 | 0.196007360 | 0.127804580  | -0.064948177 |
| ## 153 | -0.0152623160 | -0.532527870 | 0.314020740 | 0.003113331  | 0.025224810  |
| ## 154 | -0.0120416680 | -0.597718620 | 0.429118060 | -0.127129610 | 0.046959369  |
| ## 155 | -0.0236134790 | -0.681925190 | 0.639045950 | -0.429372190 | 0.186087950  |
| ## 156 | 0.1368050800  | -0.650261300 | 0.630620180 | -0.460570190 | 0.235254890  |
| ## 157 | 0.0009848169  | -0.407681670 | 0.307785270 | -0.068017371 | 0.008084339  |
| ## 158 | -0.1142156700 | -0.270585570 | 0.103740500 | 0.194482200  | -0.174735140 |
| ## 159 | 0.1692938700  | -0.489026340 | 0.385898960 | -0.128208540 | 0.027407828  |
| ## 160 | 0.0125566280  | -0.682644720 | 0.649145320 | -0.491076010 | 0.283134850  |
| ## 161 | 0.0034781290  | -0.523938160 | 0.384887970 | -0.128153110 | 0.094952254  |
| ## 162 | -0.0365011660 | -0.490941160 | 0.386307950 | -0.170955630 | 0.140485550  |
| ## 163 | -0.0936023070 | -0.498781980 | 0.421714290 | -0.230499390 | 0.130583380  |
| ## 164 | -0.0960944580 | -0.386907270 | 0.297268010 | -0.100517110 | 0.051122023  |
| ## 165 | -0.0242020180 | -0.438680990 | 0.340330670 | -0.165758490 | 0.131280110  |
| ## 166 | 0.0233953890  | -0.608429720 | 0.474863450 | -0.259557110 | 0.191215290  |
| ## 167 | 0.0138246600  | -0.898101920 | 0.853048770 | -0.631418900 | 0.313082780  |

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| ## 168 | -0.0567048630 | -0.613807990  | 0.515689500  | -0.297360490 | 0.152320470  |
| ## 169 | -0.0727641950 | -0.635166530  | 0.667339340  | -0.654072740 | 0.437746540  |
| ## 170 | -0.0319636780 | -0.589611910  | 0.633658780  | -0.729616430 | 0.597021770  |
| ## 171 | -0.1146203100 | -0.558701580  | 0.450593390  | -0.225689050 | 0.125340070  |
| ## 172 | -0.0924236970 | -0.579889500  | 0.535804280  | -0.331519990 | 0.109244040  |
| ## 173 | -0.0209813690 | -0.631871230  | 0.651930250  | -0.547877660 | 0.273993330  |
| ## 174 | 0.0081106992  | -0.703640170  | 0.744597700  | -0.700904200 | 0.441379710  |
| ## 175 | -0.0624176640 | -0.470634960  | 0.382185200  | -0.241799390 | 0.191889440  |
| ## 176 | 0.0110962410  | -0.144525200  | -0.101993230 | 0.536670670  | -0.416208410 |
| ## 177 | -0.5139643600 | 0.380895630   | -0.480753200 | 0.370982360  | -0.272128960 |
| ##     | NA            | NA            | NA           | NA           | NA           |
| ## 1   | 0.256891540   | -0.2248476300 | 0.264105720  | -0.095245630 | 0.278851430  |
| ## 2   | 0.115705420   | -0.0909625290 | 0.294310410  | -0.281210570 | 0.085988430  |
| ## 3   | 0.017150129   | -0.0745069330 | 0.342256310  | -0.332564480 | 0.239280530  |
| ## 4   | 0.072545240   | -0.1553198300 | 0.323153950  | -0.170812960 | 0.294938390  |
| ## 5   | 0.257615350   | -0.2725046600 | 0.434727760  | -0.315375070 | 0.439744370  |
| ## 6   | 0.259951040   | -0.2432295800 | 0.421736150  | -0.418460050 | 0.558461370  |
| ## 7   | 0.064297470   | -0.0764385420 | 0.138057290  | -0.036769477 | 0.231400820  |
| ## 8   | 0.144124230   | -0.1323485200 | 0.083232381  | 0.041631384  | 0.137191760  |
| ## 9   | 0.215323920   | -0.1833617400 | 0.171744820  | -0.068957077 | 0.241830690  |
| ## 10  | 0.039721557   | 0.0542831630  | 0.037268005  | 0.081551086  | 0.172339930  |
| ## 11  | -0.020162546  | 0.1360335500  | -0.114405550 | 0.243374640  | 0.300912390  |
| ## 12  | 0.235922600   | -0.1293530200 | 0.019638015  | 0.118295860  | 0.538257010  |
| ## 13  | 0.296516220   | -0.1794091400 | 0.137175900  | -0.132036790 | 0.270602020  |
| ## 14  | 0.289136320   | -0.2406154500 | 0.315222780  | -0.152404110 | 0.180577600  |
| ## 15  | -0.315401540  | 0.2793659000  | -0.307210570 | 0.342621200  | -0.082974088 |
| ## 16  | 0.145616030   | -0.1928500100 | 0.055579133  | 0.249270420  | 0.337573550  |
| ## 17  | 0.339750700   | -0.4080555000 | 0.428692340  | -0.094966866 | 0.273914970  |
| ## 18  | 0.203594900   | -0.2265879500 | 0.379312610  | -0.213396000 | 0.101400720  |
| ## 19  | 0.201387330   | -0.1142847700 | 0.279528990  | -0.092519141 | 0.461361840  |
| ## 20  | 0.211987610   | -0.2041487800 | 0.415982240  | -0.271716740 | 0.542898470  |
| ## 21  | 0.294129430   | -0.2519759000 | 0.356811300  | -0.080195620 | 0.405044320  |
| ## 22  | 0.398447520   | -0.1764248200 | 0.091882618  | 0.180639090  | 0.467338930  |
| ## 23  | 0.340898190   | -0.1410933000 | 0.146087330  | 0.045064128  | 0.490784270  |
| ## 24  | 0.246238890   | -0.1153847400 | 0.231171920  | -0.086456111 | 0.351227630  |
| ## 25  | 0.213469490   | -0.0983188850 | 0.087367711  | -0.024368358 | 0.420898360  |
| ## 26  | 0.302416390   | -0.1819083400 | 0.235430960  | -0.197368130 | 0.424560540  |
| ## 27  | 0.491563350   | -0.2709413200 | 0.390317470  | -0.136461800 | 0.469383000  |
| ## 28  | -0.278188480  | -0.1041512100 | 0.460328950  | -0.113998240 | -0.199215080 |
| ## 29  | 0.011063994   | -0.1891503900 | 0.140096300  | 0.263917250  | 0.346852340  |
| ## 30  | 0.071376294   | -0.0987947740 | 0.121245860  | -0.066884481 | 0.325286230  |
| ## 31  | -0.330124390  | 0.1908590100  | 0.197532240  | -0.272524840 | -0.514783580 |
| ## 32  | -0.395643240  | 0.2474132900  | 0.129830950  | -0.266952550 | -0.562262560 |
| ## 33  | -0.382767480  | 0.2675858800  | 0.007159938  | -0.121738890 | -0.526427430 |
| ## 34  | -0.079986244  | -0.0810142350 | 0.252911740  | -0.115908860 | -0.046817772 |
| ## 35  | 0.227396010   | -0.1164919900 | 0.020521702  | -0.082812933 | 0.138924960  |
| ## 36  | 0.409985330   | -0.2477613700 | 0.187653690  | -0.105722200 | 0.247351690  |
| ## 37  | 0.548167910   | -0.2600207800 | 0.335884780  | -0.005254272 | 0.254746100  |
| ## 38  | 0.370014280   | -0.1341372000 | 0.204989030  | 0.202021960  | 0.158442520  |
| ## 39  | -0.005336678  | -0.1414161600 | 0.205519290  | 0.036843872  | 0.230766310  |

|       |              |               |              |              |              |
|-------|--------------|---------------|--------------|--------------|--------------|
| ## 40 | 0.187278850  | -0.1363554400 | -0.043027660 | 0.148135700  | 0.387736390  |
| ## 41 | 0.133611040  | -0.0090804460 | -0.088710679 | 0.087291085  | 0.542863900  |
| ## 42 | 0.174122500  | -0.0626187900 | 0.142431740  | -0.288364180 | 0.402224860  |
| ## 43 | 0.085742459  | -0.0104302020 | 0.104622020  | -0.270504640 | 0.442195370  |
| ## 44 | 0.126279480  | -0.0984208730 | 0.200836130  | -0.275738380 | 0.429979080  |
| ## 45 | 0.160953200  | -0.1262682200 | 0.173531050  | -0.149182190 | 0.279916780  |
| ## 46 | 0.088536874  | -0.0192859120 | -0.029191587 | 0.060362799  | 0.279593410  |
| ## 47 | 0.158289630  | -0.0800336960 | 0.160691440  | -0.235479410 | 0.419951170  |
| ## 48 | 0.152621390  | -0.0777623110 | 0.210891920  | -0.283849480 | 0.331691160  |
| ## 49 | 0.031403406  | 0.0450463650  | -0.008690351 | -0.061957306 | 0.129767920  |
| ## 50 | 0.128943470  | -0.0374806950 | 0.068094598  | -0.184350100 | 0.120957390  |
| ## 51 | 0.285717630  | -0.2161437100 | 0.352186590  | -0.492946660 | 0.574831790  |
| ## 52 | -0.100244130 | 0.2072715900  | -0.066508561 | 0.123356070  | -0.033834846 |
| ## 53 | 0.252844480  | -0.1953368500 | 0.337589760  | -0.142774740 | 0.179027880  |
| ## 54 | 0.450364780  | -0.1163839600 | 0.212953820  | 0.331626540  | 0.503316370  |
| ## 55 | 0.426478440  | -0.1957671300 | 0.121385070  | 0.138669190  | 0.697890960  |
| ## 56 | 0.521486740  | -0.2398845600 | 0.162534190  | 0.095447434  | 0.361396060  |
| ## 57 | 0.551478380  | -0.1572222600 | 0.238561230  | 0.194335090  | 0.319016370  |
| ## 58 | 0.371025210  | -0.1708357600 | 0.335132840  | -0.085124294 | 0.592081260  |
| ## 59 | 0.331136810  | -0.1835558100 | 0.306873820  | -0.071205754 | 0.478564050  |
| ## 60 | 0.400116850  | -0.1755523400 | 0.200165900  | 0.141784490  | 0.316482390  |
| ## 61 | 0.375964030  | -0.1247687900 | 0.152171650  | 0.150972650  | 0.528204130  |
| ## 62 | 0.294713640  | -0.0865432510 | 0.128665020  | 0.048109777  | 0.529869360  |
| ## 63 | 0.251510560  | -0.0830417910 | 0.103853950  | 0.179160260  | 0.474851370  |
| ## 64 | 0.316038130  | -0.1595443100 | 0.229183560  | 0.108421510  | 0.406346870  |
| ## 65 | 0.268714420  | -0.1550531100 | 0.207974200  | -0.395867810 | 0.130175100  |
| ## 66 | 0.018214905  | -0.0535710050 | 0.096326304  | -0.060786251 | 0.493676410  |
| ## 67 | -0.439595110 | 0.1979092600  | 0.174966540  | -0.050118166 | -0.401426430 |
| ## 68 | -0.452208960 | 0.2177996900  | 0.149630160  | -0.041662706 | -0.392480650 |
| ## 69 | -0.582091400 | 0.4916594100  | -0.223571500 | 0.049749659  | -0.234779890 |
| ## 70 | -0.182293670 | 0.1027110100  | 0.121860770  | -0.165107700 | -0.239063190 |
| ## 71 | 0.124739470  | -0.2590739200 | 0.190372940  | 0.281312320  | 0.226219930  |
| ## 72 | 0.112903100  | -0.2689744300 | 0.164318720  | 0.322219910  | 0.241217830  |
| ## 73 | -0.243696740 | -0.0171006660 | 0.105608870  | 0.269794930  | 0.138795910  |
| ## 74 | -0.344951990 | 0.1849106000  | -0.197277650 | 0.459644100  | 0.104451920  |
| ## 75 | 0.019988252  | -0.0428410350 | 0.023039236  | 0.046529021  | 0.190998770  |
| ## 76 | 0.273450410  | -0.2266677100 | 0.248239970  | -0.246495880 | 0.223657050  |
| ## 77 | 0.176448590  | -0.2009530100 | 0.284066430  | -0.221300730 | 0.590226190  |
| ## 78 | 0.163669370  | -0.1382942500 | 0.216841280  | -0.139590440 | 0.561776640  |
| ## 79 | -0.332824170 | 0.3472535900  | 0.021748796  | -0.037175619 | -0.359137740 |
| ## 80 | -0.272079630 | 0.3151566900  | -0.018700378 | 0.085267569  | -0.296888420 |
| ## 81 | -0.227291630 | 0.2941444800  | -0.056331793 | 0.170810090  | -0.140111230 |
| ## 82 | -0.284317090 | 0.2524097300  | 0.107313620  | -0.030951290 | -0.255217840 |
| ## 83 | -0.110085530 | 0.1033205300  | 0.182838030  | 0.051521508  | -0.294830640 |
| ## 84 | -0.038607873 | 0.0203432580  | 0.331436720  | -0.130172010 | -0.145139290 |
| ## 85 | -0.339112930 | 0.3054055500  | 0.107101820  | -0.087435648 | -0.280386160 |
| ## 86 | -0.294387020 | 0.3202738700  | 0.003213260  | 0.082661190  | -0.046723433 |
| ## 87 | -0.257976630 | 0.3126983000  | -0.060445461 | 0.157674160  | -0.378853520 |
| ## 88 | -0.247183120 | 0.2970966800  | -0.015439454 | 0.082144030  | -0.319519210 |
| ## 89 | -0.287710580 | 0.3109580400  | -0.035570442 | 0.127943860  | 0.015840810  |



|        |              |               |              |              |              |
|--------|--------------|---------------|--------------|--------------|--------------|
| ## 90  | -0.203726680 | 0.1972008000  | 0.117503040  | 0.039183592  | 0.019868157  |
| ## 91  | -0.105545340 | 0.1440038800  | 0.086517927  | 0.209293900  | -0.343595330 |
| ## 92  | -0.145109510 | 0.1850365900  | 0.101290150  | 0.077128123  | -0.459848330 |
| ## 93  | -0.163633770 | 0.1845414100  | 0.172140700  | -0.082594026 | -0.027307394 |
| ## 94  | -0.180753120 | 0.1795860900  | 0.169752360  | -0.051157113 | 0.180353080  |
| ## 95  | -0.174978090 | 0.1172829100  | 0.292726930  | -0.128605170 | -0.045890031 |
| ## 96  | -0.165293660 | 0.1003057000  | 0.265526830  | -0.060027178 | -0.097022697 |
| ## 97  | -0.258083620 | 0.2531429200  | 0.112156740  | -0.036864631 | -0.154819090 |
| ## 98  | -0.015831158 | 0.0293320320  | 0.373938080  | -0.237065150 | -0.260421360 |
| ## 99  | -0.121299950 | 0.0980179450  | 0.266272480  | -0.077554408 | -0.066816063 |
| ## 100 | -0.177667140 | 0.1825870300  | 0.126185560  | 0.029409435  | 0.171717960  |
| ## 101 | -0.087401519 | 0.1198354700  | 0.150945500  | 0.040829324  | 0.029152114  |
| ## 102 | 0.006717813  | 0.0609450000  | 0.232754770  | -0.036036531 | -0.145995630 |
| ## 103 | -0.132175980 | 0.2354126700  | 0.012072938  | 0.116996600  | -0.289368580 |
| ## 104 | -0.246038000 | 0.3486361100  | -0.104422270 | 0.202573410  | -0.423242080 |
| ## 105 | -0.181556770 | 0.2100914800  | 0.130293040  | -0.023674632 | -0.326679980 |
| ## 106 | -0.295012320 | 0.3454584400  | -0.076575015 | 0.136605810  | -0.092106155 |
| ## 107 | -0.450456640 | 0.5449600800  | -0.305119030 | 0.288358230  | -0.256007550 |
| ## 108 | -0.154433600 | 0.1384084700  | 0.251757590  | -0.146312780 | -0.191695400 |
| ## 109 | -0.098627211 | 0.1069889000  | 0.238732190  | -0.111796570 | -0.110312710 |
| ## 110 | -0.213215770 | 0.2542038400  | 0.007768695  | 0.104255760  | -0.011388186 |
| ## 111 | -0.217110450 | 0.2564765200  | 0.020288262  | 0.080936992  | -0.027525798 |
| ## 112 | 0.025663163  | -0.0004257475 | 0.349915180  | -0.135533450 | 0.067880681  |
| ## 113 | -0.110245860 | 0.10272229300 | 0.258088000  | -0.110743130 | 0.301428220  |
| ## 114 | -0.240059600 | 0.2873076100  | -0.071521409 | 0.214622270  | 0.028365527  |
| ## 115 | -0.339057010 | 0.3506357600  | -0.059986020 | 0.128113350  | 0.036100119  |
| ## 116 | -0.425973300 | 0.4337252700  | -0.057460742 | 0.004456846  | -0.101499690 |
| ## 117 | -0.518035780 | 0.5823158400  | -0.278740350 | 0.152091180  | -0.501352630 |
| ## 118 | -0.140911580 | 0.1483045900  | 0.209372710  | -0.081490291 | -0.403291080 |
| ## 119 | 0.078179964  | -0.1076578600 | 0.498984530  | -0.209047090 | -0.350903850 |
| ## 120 | 0.022051555  | -0.0696932010 | 0.442516860  | -0.176214210 | -0.639707930 |
| ## 121 | -0.163741650 | 0.1889557800  | 0.118791660  | 0.040714600  | -0.598906830 |
| ## 122 | 0.280944450  | -0.2670904200 | 0.588937910  | -0.125077140 | -0.364450990 |
| ## 123 | 0.259370060  | -0.2735552200 | 0.643523440  | -0.187981280 | -0.434683500 |
| ## 124 | -0.255967990 | 0.2346311000  | 0.184395140  | -0.119715050 | -0.455061280 |
| ## 125 | -0.400068310 | 0.3933364600  | -0.001928335 | -0.059729438 | -0.219760900 |
| ## 126 | -0.184432830 | 0.2944643500  | -0.182178970 | 0.291649180  | -0.137140010 |
| ## 127 | -0.116886560 | 0.2026681600  | -0.041671669 | 0.152385560  | 0.073648543  |
| ## 128 | -0.187675540 | 0.2192000700  | 0.035220798  | 0.087195767  | 0.120496670  |
| ## 129 | -0.280602430 | 0.3511408900  | -0.191763710 | 0.342699680  | 0.117884730  |
| ## 130 | -0.220700580 | 0.3066213800  | -0.167624550 | 0.337959730  | 0.036617940  |
| ## 131 | -0.226891480 | 0.2893104900  | -0.048568110 | 0.124824410  | -0.185206640 |
| ## 132 | -0.116922280 | 0.1521410500  | 0.171923750  | -0.102328330 | -0.081664014 |
| ## 133 | 0.045983262  | -0.0132058510 | 0.457431460  | -0.372765620 | 0.272004620  |
| ## 134 | -0.066195022 | 0.0622798030  | 0.386481850  | -0.304945120 | 0.450696940  |
| ## 135 | -0.043594722 | 0.1237666100  | -0.043619384 | 0.337744320  | 0.282544220  |
| ## 136 | -0.075891847 | 0.1495233900  | 0.028593659  | 0.141032670  | -0.019663977 |
| ## 137 | -0.212919020 | 0.1757138900  | 0.195642300  | -0.131103370 | 0.214289150  |
| ## 138 | -0.318122800 | 0.2610644900  | 0.156473790  | -0.159882200 | -0.146363820 |
| ## 139 | -0.420374040 | 0.5399345900  | -0.517418420 | 0.567294120  | -0.283577930 |

|        |               |               |               |               |               |
|--------|---------------|---------------|---------------|---------------|---------------|
| ## 140 | -0.373329900  | 0.4866995700  | -0.396968630  | 0.464013130   | -0.109756390  |
| ## 141 | -0.032483386  | 0.1600979200  | -0.028353331  | 0.207001780   | 0.157719210   |
| ## 142 | 0.057359241   | 0.0494426280  | -0.001642887  | 0.185688650   | 0.175611290   |
| ## 143 | -0.136862130  | 0.1834983800  | 0.108167490   | -0.027739660  | -0.085464475  |
| ## 144 | -0.031529052  | 0.0401418040  | 0.281400580   | -0.187341700  | -0.001120027  |
| ## 145 | -0.123501890  | 0.0613505580  | 0.373007200   | -0.295364220  | -0.341143780  |
| ## 146 | -0.177954950  | 0.2041519500  | 0.104951110   | -0.052918842  | -0.288053200  |
| ## 147 | -0.030179831  | -0.0131843460 | 0.294516980   | -0.063430192  | -0.209266620  |
| ## 148 | -0.257712810  | 0.2209989000  | 0.036561326   | 0.072770942   | -0.003707074  |
| ## 149 | -0.042191173  | 0.0457569200  | 0.196741560   | -0.064067725  | 0.204858880   |
| ## 150 | 0.002861036   | 0.0718496940  | 0.253604490   | -0.185173360  | 0.154597260   |
| ## 151 | -0.115746230  | -0.0301626490 | 0.184199060   | 0.151481780   | -0.791639360  |
| ## 152 | 0.061950317   | -0.2260980500 | 0.273869420   | 0.277957020   | -0.804012470  |
| ## 153 | -0.286479650  | 0.1534930700  | 0.080078707   | 0.099290902   | -0.562488060  |
| ## 154 | -0.267184850  | 0.1561435100  | 0.098751183   | 0.038994057   | -0.445146080  |
| ## 155 | -0.338030260  | 0.2373290700  | 0.110238880   | -0.086384109  | -0.667968010  |
| ## 156 | -0.539302140  | 0.4628698600  | -0.125150540  | 0.025775308   | -0.717082360  |
| ## 157 | -0.509471880  | 0.4508486900  | -0.219260070  | 0.207681570   | -0.206249370  |
| ## 158 | -0.271213490  | 0.2439986000  | -0.077232648  | 0.204334740   | -0.227643020  |
| ## 159 | -0.367799060  | 0.2588590900  | -0.016059795  | 0.102088770   | -0.235240040  |
| ## 160 | -0.351012950  | 0.2755848600  | -0.123506650  | 0.250969590   | -0.612169940  |
| ## 161 | -0.242620320  | 0.0928894200  | 0.221633400   | -0.082850261  | -0.801762220  |
| ## 162 | -0.205943120  | 0.0241771740  | 0.313948120   | -0.137282770  | -0.533335950  |
| ## 163 | -0.453325310  | 0.3811530400  | -0.134686050  | 0.098215626   | -0.300581250  |
| ## 164 | -0.232781630  | 0.1113115500  | 0.195538450   | -0.121291290  | -0.552492770  |
| ## 165 | -0.199136580  | 0.0700295010  | 0.245271520   | -0.151138170  | -0.705009390  |
| ## 166 | -0.430080310  | 0.3185192000  | -0.019404992  | 0.018831169   | -0.539807290  |
| ## 167 | -0.283015450  | 0.1072774400  | 0.229423680   | -0.096823173  | -0.342062680  |
| ## 168 | -0.408156660  | 0.3836150300  | -0.311423180  | 0.391219810   | -0.369402630  |
| ## 169 | -0.399492750  | 0.4045768600  | -0.285487000  | 0.337467710   | -0.386248640  |
| ## 170 | -0.420701520  | 0.3907066900  | -0.225654950  | 0.266525740   | -0.235485820  |
| ## 171 | -0.443625820  | 0.2973949800  | 0.046925047   | 0.001476705   | -0.254219820  |
| ## 172 | -0.498057340  | 0.4239923700  | -0.077111727  | -0.028484519  | -0.376683240  |
| ## 173 | -0.513960430  | 0.4558338000  | -0.115380450  | -0.028878566  | -0.426075060  |
| ## 174 | -0.478823680  | 0.3746423900  | 0.034431714   | -0.109842560  | -0.234426680  |
| ## 175 | -0.429142440  | 0.3062293000  | 0.111168950   | -0.153023670  | -0.161968030  |
| ## 176 | -0.233625800  | 0.1411219100  | 0.285041700   | -0.329475070  | -0.412206980  |
| ## 177 | 0.263649570   | -0.4028759900 | 0.581176130   | -0.414252660  | 0.287904090   |
| ##     | NA            | NA            | NA            | NA            | NA            |
| ## 1   | -0.4650845700 | 0.4919359600  | -0.1908835600 | 3.763139e-01  | 0.4351291900  |
| ## 2   | -0.0221526940 | -0.0166565350 | -0.2206435000 | -1.342866e-02 | -0.0726918900 |
| ## 3   | -0.1362035900 | 0.1738631800  | -0.2994927800 | -1.246984e-01 | -0.1811047900 |
| ## 4   | -0.3060809900 | 0.4821478300  | -0.4701287100 | -3.056930e-01 | -0.3626540500 |
| ## 5   | -0.2690689500 | 0.1794141900  | -0.0889519540 | -1.558043e-01 | -0.1897627100 |
| ## 6   | -0.2183436400 | 0.1651380700  | 0.0809201640  | -2.099792e-01 | -0.1510636500 |
| ## 7   | -0.1145772800 | 0.3192043600  | -0.4877686300 | -9.585211e-02 | -0.1357287500 |
| ## 8   | -0.0922898500 | 0.3723690900  | -0.7209128200 | -1.616342e-01 | -0.0171201530 |
| ## 9   | -0.1944194700 | 0.2167579800  | -0.3380264600 | -1.647907e-01 | -0.0337674930 |
| ## 10  | 0.0359950780  | -0.1849299800 | 0.3511563100  | -1.762412e-01 | -0.4476509200 |
| ## 11  | -0.0764445390 | 0.0819571560  | 0.1526787400  | 8.503662e-03  | -0.3559162100 |

|       |               |               |               |               |               |
|-------|---------------|---------------|---------------|---------------|---------------|
| ## 12 | -0.2084456500 | 0.3559463900  | -0.1304113100 | -2.672387e-01 | -0.1189710900 |
| ## 13 | 0.0343579120  | -0.0704393430 | 0.0992572330  | -3.523584e-02 | -0.1563049500 |
| ## 14 | 0.0503658580  | -0.0398358070 | -0.0099919957 | 4.361884e-02  | -0.1438525800 |
| ## 15 | 0.0273442900  | -0.0464711720 | -0.0865416920 | 8.218719e-01  | 0.7376562400  |
| ## 16 | -0.2611671200 | 0.1767284200  | -0.2222396200 | 3.295932e-01  | 0.2379994400  |
| ## 17 | -0.2299320000 | 0.0757292870  | 0.0059085062  | 2.804974e-01  | 0.1271124200  |
| ## 18 | -0.0072708945 | 0.0764150620  | -0.1536606100 | 1.533626e-01  | -0.0975735370 |
| ## 19 | -0.2424503500 | 0.4173039100  | -0.1549636600 | 1.908747e-01  | -0.0450073060 |
| ## 20 | -0.3334753000 | 0.4021775900  | -0.0091204808 | 1.109392e-01  | 0.0744527590  |
| ## 21 | -0.0904448590 | 0.0351363290  | 0.1328816000  | 6.714224e-02  | -0.0393856530 |
| ## 22 | -0.0741434560 | 0.0376235250  | 0.0379021180  | 1.161994e-01  | 0.1088122700  |
| ## 23 | -0.2044076100 | 0.2276470000  | -0.1967579900 | -9.775865e-02 | 0.0844064520  |
| ## 24 | -0.1605728800 | 0.1230979100  | -0.0108207830 | -4.120247e-02 | -0.0394245740 |
| ## 25 | -0.1373397900 | -0.0726038540 | -0.0086808411 | -2.237021e-01 | -0.0466234400 |
| ## 26 | -0.0825305880 | -0.1097924300 | 0.0540301000  | 1.319459e-01  | 0.2785706400  |
| ## 27 | -0.1145901900 | 0.0496297950  | 0.0068977860  | 1.426626e-01  | 0.0793481940  |
| ## 28 | -0.0983379910 | 0.0522281560  | 0.2625271500  | -9.908432e-01 | -0.9503355000 |
| ## 29 | -0.3109658100 | 0.2099489200  | -0.2601296800 | -9.293134e-01 | -0.2998083800 |
| ## 30 | -0.2249110300 | 0.1842237800  | -0.1718655100 | -8.382442e-01 | -0.7140091900 |
| ## 31 | 0.2779876200  | -0.2609884700 | 0.3172446400  | -2.631720e-02 | -0.8579878700 |
| ## 32 | 0.3356559200  | -0.3271514200 | 0.3160262600  | -4.892716e-01 | -0.9089087700 |
| ## 33 | 0.3777123300  | -0.4860664900 | 0.3861566400  | -9.611652e-01 | -0.9416896300 |
| ## 34 | -0.0362247140 | -0.0321262270 | 0.0118890680  | -9.105816e-01 | -0.7060142100 |
| ## 35 | -0.2137495900 | 0.2455276100  | -0.2235954900 | -9.451948e-01 | -0.9112514000 |
| ## 36 | -0.0809433900 | -0.0519341930 | 0.0334616650  | -5.623617e-01 | -0.4679289900 |
| ## 37 | 0.0417224020  | -0.1674697000 | 0.0557440600  | -4.251698e-01 | -0.2564186800 |
| ## 38 | 0.0209145010  | -0.0839147440 | -0.0045875060 | -3.349185e-01 | -0.5646424600 |
| ## 39 | -0.1766165500 | 0.1062915400  | -0.1298770600 | 9.110737e-02  | 0.5857231800  |
| ## 40 | -0.2012507300 | 0.2772433400  | -0.1681964300 | -6.881026e-01 | -0.0222095940 |
| ## 41 | -0.3659120000 | 0.4879536100  | -0.1930705600 | -6.803092e-02 | -0.2792003400 |
| ## 42 | -0.1936941100 | 0.3537402800  | -0.2504119000 | -2.315565e-01 | -0.3338132900 |
| ## 43 | -0.1640573300 | 0.1855428400  | -0.1078811500 | -2.289923e-01 | 0.1080880400  |
| ## 44 | -0.2747942800 | 0.2391392800  | -0.1466137700 | -5.385251e-01 | 0.1242124000  |
| ## 45 | -0.2054861500 | 0.2775709800  | -0.3087187800 | -5.766916e-01 | -0.2441089900 |
| ## 46 | -0.2128244200 | 0.3921244600  | -0.4336237300 | -3.622969e-01 | -0.1043611500 |
| ## 47 | -0.2752608900 | 0.3677397700  | -0.2733398000 | -2.837671e-01 | 0.1016747400  |
| ## 48 | -0.1853089300 | 0.1027103300  | 0.0060812922  | -1.916099e-01 | -0.2662754100 |
| ## 49 | -0.0076323155 | -0.1013955100 | 0.2084324800  | -2.892202e-01 | -0.2060593800 |
| ## 50 | 0.0019993688  | -0.0159953090 | -0.0153526560 | -5.236563e-01 | -0.2633436800 |
| ## 51 | -0.3625181400 | 0.4163129600  | -0.5402690100 | -4.481583e-01 | -0.3518577300 |
| ## 52 | -0.0317707730 | -0.0287789280 | 0.0128146290  | 4.925994e-01  | -0.5933367600 |
| ## 53 | -0.0696168360 | -0.0330752700 | -0.0935487080 | -3.881451e-01 | 0.5962099400  |
| ## 54 | -0.1907860500 | 0.1591167500  | 0.2422421300  | -1.994605e-01 | 0.0250798850  |
| ## 55 | -0.3570996500 | 0.3261610000  | -0.0387592710 | -3.877175e-01 | 0.1967152600  |
| ## 56 | -0.1018538400 | 0.0162145500  | 0.0156270060  | -2.767338e-01 | -0.0395383950 |
| ## 57 | -0.0693687910 | 0.0745028220  | -0.0808127140 | -5.694415e-04 | -0.1881217000 |
| ## 58 | -0.2644133100 | 0.2103004200  | 0.0668922700  | -3.353533e-02 | -0.2156226000 |
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| ## 61 | -0.2627504900 | 0.1678713400  | -0.0339976270 | -3.658637e-01 | 0.0241406570  |

|        |               |               |               |               |               |
|--------|---------------|---------------|---------------|---------------|---------------|
| ## 62  | -0.2397901300 | 0.1770855900  | 0.0144263590  | -2.719595e-01 | 0.0269060960  |
| ## 63  | -0.1712985500 | 0.1198520700  | 0.0037223769  | -2.070442e-01 | 0.1487609600  |
| ## 64  | -0.1168215900 | 0.1344284200  | -0.1509985600 | -2.744124e-01 | -0.0482352410 |
| ## 65  | -0.1995546600 | 0.1824384000  | -0.1560980000 | -8.649975e-01 | -0.8984320900 |
| ## 66  | -0.1442340900 | 0.0831693480  | -0.0304638580 | -8.359855e-01 | 0.0295945210  |
| ## 67  | 0.3453962500  | -0.7042606300 | 0.6669891000  | 7.966513e-01  | -0.7210751300 |
| ## 68  | 0.3261378600  | -0.6809566900 | 0.6648192900  | 8.357193e-01  | -0.7336288200 |
| ## 69  | 0.0421106840  | -0.2161692500 | 0.3981980900  | 7.864741e-01  | -0.9356094000 |
| ## 70  | 0.1385018600  | -0.1017970400 | 0.0011950869  | -2.549271e-01 | -0.7239503500 |
| ## 71  | -0.5449354000 | 0.6713644400  | -0.0603801020 | 6.580470e-01  | -0.5159215700 |
| ## 72  | -0.5641856200 | 0.6807938600  | -0.0687677270 | 2.399444e-01  | -0.3606972800 |
| ## 73  | -0.1697146000 | 0.0809009070  | -0.0914833480 | 3.300118e-01  | -0.5381249000 |
| ## 74  | -0.1089153000 | 0.2341724000  | -0.3718035000 | -7.455521e-01 | -0.4760578400 |
| ## 75  | -0.1419442700 | 0.4113344700  | -0.4960309800 | -4.057715e-01 | -0.0631068440 |
| ## 76  | -0.0689450390 | 0.1097676300  | 0.0033595921  | 1.395107e-02  | -0.1592971300 |
| ## 77  | -0.2107159900 | 0.3013578800  | 0.0222558070  | 2.427848e-01  | 0.0072197632  |
| ## 78  | -0.2438362800 | 0.3187082700  | -0.1143007500 | 1.611274e-02  | -0.0512715210 |
| ## 79  | 0.2969900000  | -0.1576192900 | -0.0746068730 | -1.248457e-01 | -0.0092711975 |
| ## 80  | 0.3202996200  | -0.2042059300 | -0.0823224150 | -2.121580e-01 | -0.0600914350 |
| ## 81  | 0.1423576300  | 0.0376951070  | -0.2759246900 | -1.877042e-01 | -0.0799682800 |
| ## 82  | 0.2795879000  | -0.2120235000 | -0.0317331370 | -1.957822e-01 | -0.1583939700 |
| ## 83  | 0.3113916000  | -0.2297358500 | -0.0092529195 | -2.249659e-01 | -0.1841479000 |
| ## 84  | 0.1705442900  | -0.1038877300 | -0.0732325830 | -1.517764e-01 | -0.0490540000 |
| ## 85  | 0.3376504100  | -0.3865694700 | 0.1522166200  | -4.230655e-02 | 0.0252521420  |
| ## 86  | 0.0957258450  | -0.0009630676 | -0.1766156900 | -4.756858e-02 | -0.0696981330 |
| ## 87  | 0.2887892800  | -0.0650766730 | -0.1957878300 | -2.038029e-01 | -0.0330518080 |
| ## 88  | 0.3816976100  | -0.3255126200 | -0.0225411370 | -2.104071e-01 | -0.0674707490 |
| ## 89  | 0.0363202360  | 0.0648191620  | -0.2339910400 | -2.024814e-01 | -0.0612493110 |
| ## 90  | 0.0049017780  | 0.1395022500  | -0.3087620200 | -1.955245e-01 | -0.1614084700 |
| ## 91  | 0.4158694200  | -0.3691926500 | 0.0001826986  | -2.539221e-01 | -0.2604583400 |
| ## 92  | 0.5263249100  | -0.4780653800 | 0.0295739430  | -2.397798e-01 | -0.1092546800 |
| ## 93  | 0.0881346380  | 0.0434915880  | -0.2708236900 | -1.448785e-01 | -0.0656227310 |
| ## 94  | -0.1632129900 | 0.3696232900  | -0.4168269900 | -1.211412e-01 | -0.1515387900 |
| ## 95  | -0.0009332269 | 0.3627513900  | -0.5266380000 | -1.282992e-01 | -0.1807586400 |
| ## 96  | 0.0667015530  | 0.1312837800  | -0.2271152000 | -1.194589e-01 | -0.1798802500 |
| ## 97  | 0.1187552900  | 0.0793781760  | -0.2269273000 | -9.337665e-02 | -0.1896241300 |
| ## 98  | 0.3376085400  | -0.3465425000 | 0.0681288830  | -3.242290e-02 | -0.1216794800 |
| ## 99  | 0.0660974830  | 0.0681246290  | -0.1848185900 | -1.287626e-01 | -0.1187349000 |
| ## 100 | -0.1504359700 | 0.2415308000  | -0.2485343300 | -2.196403e-01 | -0.2083377700 |
| ## 101 | 0.0019719244  | 0.0773905880  | -0.2038505700 | -2.790335e-01 | -0.1681998700 |
| ## 102 | 0.2243709000  | -0.1140440900 | -0.1642301400 | -3.515681e-01 | -0.1529819600 |
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| ## 104 | 0.4473442100  | -0.3045292300 | -0.0909549910 | -2.257563e-01 | -0.2195934000 |
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| ## 106 | 0.0699016080  | -0.0747419570 | 0.0161344070  | -1.625452e-01 | -0.0655205790 |
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| ## 109 | 0.0857172650  | 0.1716284100  | -0.3559197500 | -9.515534e-02 | -0.1668995900 |
| ## 110 | 0.0025366473  | 0.1690989200  | -0.2848542700 | -1.086301e-01 | -0.1655157200 |
| ## 111 | -0.0285421060 | 0.2331187100  | -0.2898922600 | -9.795726e-02 | -0.1229533900 |

|        |               |               |               |               |               |
|--------|---------------|---------------|---------------|---------------|---------------|
| ## 112 | 0.0249368910  | 0.0830339640  | -0.2322868700 | 5.006771e-05  | 0.0200129540  |
| ## 113 | -0.2983603600 | 0.5172938900  | -0.4946185200 | -1.706633e-01 | -0.1411361300 |
| ## 114 | 0.0496699390  | -0.0524966390 | -0.0955234370 | -2.054664e-01 | -0.1420662700 |
| ## 115 | 0.0158957710  | -0.0380736800 | -0.0233619180 | -3.005895e-01 | -0.1468962200 |
| ## 116 | 0.1120752300  | 0.0051628872  | -0.1785690200 | -2.878529e-01 | -0.2219912000 |
| ## 117 | 0.5654004200  | -0.5878516600 | 0.1525981500  | -1.252213e-01 | -0.1109243700 |
| ## 118 | 0.4524769100  | -0.5212030100 | 0.2385484700  | -8.552456e-02 | -0.0092789012 |
| ## 119 | 0.3926830700  | -0.4726183800 | 0.2439408600  | -1.206398e-01 | -0.0928198750 |
| ## 120 | 0.6935114500  | -0.7725431300 | 0.3400122700  | -2.223586e-01 | -0.1326753600 |
| ## 121 | 0.6176235100  | -0.6530555800 | 0.3071236800  | -1.374920e-01 | -0.1123680000 |
| ## 122 | 0.3978868700  | -0.5328418400 | 0.3430759200  | -3.712748e-02 | -0.1108601800 |
| ## 123 | 0.4525502700  | -0.4328987300 | 0.0939083820  | -7.622737e-02 | -0.1858889600 |
| ## 124 | 0.4128586800  | -0.2371259600 | -0.0630533340 | -8.712714e-02 | -0.1924057100 |
| ## 125 | 0.1669533100  | -0.0031563144 | -0.1275783800 | -1.265371e-01 | -0.1133089000 |
| ## 126 | 0.2134513000  | -0.0174529920 | -0.3993340100 | -5.871938e-01 | -0.2691976300 |
| ## 127 | 0.1258533800  | -0.2220307000 | -0.0538405820 | -6.596103e-01 | -0.1535011800 |
| ## 128 | 0.1320681600  | -0.1871316400 | -0.0385648930 | -5.753611e-01 | -0.1041986400 |
| ## 129 | 0.1374156600  | -0.1782515300 | -0.0910097570 | -4.923729e-01 | -0.2614545900 |
| ## 130 | 0.1959418500  | -0.2149386700 | -0.0191101170 | -3.377426e-01 | -0.1969422100 |
| ## 131 | 0.3791193900  | -0.2360264200 | -0.1122121600 | -2.651824e-01 | -0.2678067000 |
| ## 132 | 0.2848450500  | -0.1495702400 | -0.2307625000 | -3.612827e-01 | -0.3545122700 |
| ## 133 | -0.0972052890 | 0.3475180800  | -0.5080114800 | -3.336542e-01 | -0.0830835860 |
| ## 134 | -0.1716386500 | 0.3118637600  | -0.3841874900 | -3.953582e-01 | -0.0405647990 |
| ## 135 | -0.1143704100 | 0.3026597700  | -0.3317991900 | -6.094743e-01 | -0.2593937000 |
| ## 136 | 0.1489371900  | 0.0536147230  | -0.2171496500 | -3.820610e-01 | -0.1592693500 |
| ## 137 | -0.0282579430 | 0.2760362100  | -0.4243693500 | -3.724306e-01 | -0.1634404100 |
| ## 138 | 0.3422565200  | -0.3518843300 | 0.0066161681  | -4.865320e-01 | -0.0624772830 |
| ## 139 | 0.4549318500  | -0.5591216100 | 0.2166410300  | -4.783699e-01 | -0.0786091990 |
| ## 140 | 0.1937679200  | 0.0201547800  | -0.3244115100 | -4.367121e-01 | -0.1582265900 |
| ## 141 | 0.0385445310  | 0.1458362200  | -0.3213856600 | -4.280787e-01 | -0.1666911100 |
| ## 142 | 0.0249746670  | 0.1180420000  | -0.2455756100 | -5.220044e-01 | -0.1576972000 |
| ## 143 | 0.1897842500  | -0.1060551700 | -0.2190495700 | -6.762635e-01 | -0.3523453600 |
| ## 144 | 0.1196990900  | -0.0108645610 | -0.2968996800 | -6.200635e-01 | -0.1697550300 |
| ## 145 | 0.4178201700  | -0.1645274300 | -0.2511849300 | -4.855151e-01 | -0.0353774010 |
| ## 146 | 0.3515502600  | -0.1307255000 | -0.2059653400 | -4.099663e-01 | 0.1556703400  |
| ## 147 | 0.2747174400  | -0.1178965700 | -0.2246371100 | -3.733151e-01 | 0.0995227460  |
| ## 148 | 0.1079727800  | 0.0976901300  | -0.4067888800 | -4.819404e-01 | -0.3182052400 |
| ## 149 | -0.0678631230 | 0.3236749900  | -0.5670279400 | -5.570271e-01 | -0.1561753800 |
| ## 150 | -0.0524024260 | 0.3752422600  | -0.6058914100 | -4.733197e-01 | 0.0049905294  |
| ## 151 | 0.6938141800  | -0.4964436300 | 0.0002531773  | -3.359355e-01 | -0.2625037600 |
| ## 152 | 0.6685706900  | -0.4552497800 | 0.0340995950  | -3.240915e-01 | -0.2406694300 |
| ## 153 | 0.3642503300  | -0.2081744000 | 0.0710996500  | -1.982296e-01 | -0.2302770200 |
| ## 154 | 0.3474768600  | -0.4542314800 | 0.3476278000  | -3.287347e-01 | -0.2200770600 |
| ## 155 | 0.6023791100  | -0.5664682600 | 0.1837341500  | -3.642974e-01 | -0.0970454190 |
| ## 156 | 0.6235328500  | -0.5245986900 | 0.1212132400  | -2.579861e-01 | 0.1153262300  |
| ## 157 | 0.0078347186  | 0.1628089300  | -0.1095510000 | -3.052085e-01 | 0.0146259940  |
| ## 158 | 0.0286060340  | 0.1484822700  | -0.0978122300 | -2.624055e-01 | -0.1184024100 |
| ## 159 | 0.0655124200  | 0.0660600740  | -0.0644211610 | -4.141810e-01 | -0.2820551200 |
| ## 160 | 0.4375746400  | -0.2082051700 | -0.0415364860 | -5.370451e-01 | -0.3022801800 |
| ## 161 | 0.7373444600  | -0.6629277700 | 0.1900764600  | -2.916280e-01 | -0.1349240800 |

|        |               |               |               |               |               |
|--------|---------------|---------------|---------------|---------------|---------------|
| ## 162 | 0.4432709300  | -0.3872781400 | 0.1189593500  | -2.549968e-01 | -0.0590951140 |
| ## 163 | 0.1141510800  | -0.0478693860 | 0.0688108540  | -3.683786e-01 | -0.1209229900 |
| ## 164 | 0.3655813300  | -0.2220653200 | 0.0533876020  | -3.404903e-01 | -0.1740523100 |
| ## 165 | 0.5665475800  | -0.5582636600 | 0.3124497500  | -4.582023e-01 | -0.2369811000 |
| ## 166 | 0.3535893000  | -0.2665289000 | 0.1520805200  | -4.795939e-01 | -0.2697363900 |
| ## 167 | 0.1367191700  | -0.0397797130 | 0.0562613880  | -5.030460e-01 | -0.1877710300 |
| ## 168 | 0.0571998980  | 0.2540648200  | -0.1564583200 | -3.493923e-01 | -0.2034586800 |
| ## 169 | 0.1964214800  | -0.0463825880 | -0.0064542750 | -3.951242e-01 | -0.2843702600 |
| ## 170 | 0.0940144090  | -0.0824709350 | 0.0925669680  | -3.025821e-01 | -0.0523579470 |
| ## 171 | 0.0564540520  | 0.0494732690  | -0.0021022500 | -2.911580e-01 | -0.0690125940 |
| ## 172 | 0.2078236100  | -0.1109792400 | 0.0445997120  | -3.970664e-01 | -0.2196671900 |
| ## 173 | 0.2699612900  | -0.2462209700 | 0.1762448100  | -3.177100e-01 | -0.1666055300 |
| ## 174 | -0.0029246991 | 0.1212560000  | 0.0196167960  | -2.993451e-01 | -0.1516071700 |
| ## 175 | -0.0881849380 | 0.1570079200  | 0.0822624100  | -3.921217e-01 | -0.1675507700 |
| ## 176 | 0.3075624400  | -0.3796028800 | 0.2657120700  | -4.929229e-01 | -0.1580665000 |
| ## 177 | -0.3961197300 | 0.3778852700  | -0.2034921100 | 7.751888e-01  | -0.8093484700 |
| ##     | NA            | NA            | NA            | NA            | NA            |
| NA     |               |               |               |               |               |
| ## 1   | 0.660790330   | 0.96339614    | -0.14083968   | 0.115374940   | -0.9852497 -  |
|        | 0.98170843    |               |               |               |               |
| ## 2   | 0.579381690   | 0.96656113    | -0.14155127   | 0.109378810   | -0.9974113 -  |
|        | 0.98944741    |               |               |               |               |
| ## 3   | 0.608900140   | 0.96687810    | -0.14200984   | 0.101883920   | -0.9995740 -  |
|        | 0.99286582    |               |               |               |               |
| ## 4   | 0.507458870   | 0.96761519    | -0.14397645   | 0.099850143   | -0.9966456 -  |
|        | 0.98139281    |               |               |               |               |
| ## 5   | 0.599212960   | 0.96822440    | -0.14875022   | 0.094485896   | -0.9984293 -  |
|        | 0.98809824    |               |               |               |               |
| ## 6   | 0.180424440   | 0.96794820    | -0.14820997   | 0.091909715   | -0.9989793 -  |
|        | 0.98675389    |               |               |               |               |
| ## 7   | 0.610845430   | 0.96792950    | -0.14428214   | 0.093144628   | -0.9993325 -  |
|        | 0.98857468    |               |               |               |               |
| ## 8   | 0.561421070   | 0.96849148    | -0.14670536   | 0.091708159   | -0.9981183 -  |
|        | 0.97295996    |               |               |               |               |
| ## 9   | 0.724234330   | 0.96848115    | -0.15437401   | 0.085118255   | -0.9977894 -  |
|        | 0.97564510    |               |               |               |               |
| ## 10  | 0.391866580   | 0.96841804    | -0.15630201   | 0.080874470   | -0.9973622 -  |
|        | 0.99050162    |               |               |               |               |
| ## 11  | 0.227308620   | 0.96920266    | -0.15236144   | 0.081258077   | -0.9972646 -  |
|        | 0.98648794    |               |               |               |               |
| ## 12  | 0.165559700   | 0.96925328    | -0.15006376   | 0.082931213   | -0.9981272 -  |
|        | 0.99482045    |               |               |               |               |
| ## 13  | 0.113964530   | 0.96899630    | -0.15236210   | 0.083150803   | -0.9991516 -  |
|        | 0.98730738    |               |               |               |               |
| ## 14  | 0.097965304   | 0.96904398    | -0.15414125   | 0.081819604   | -0.9995776 -  |
|        | 0.99425118    |               |               |               |               |
| ## 15  | 0.945344720   | 0.94489486    | -0.29262334   | -0.021435523  | -0.9640453 -  |
|        | 0.81461226    |               |               |               |               |
| ## 16  | 0.538730940   | 0.95201342    | -0.26311695   | -0.003576163  | -0.9950938 -  |
|        | 0.97591253    |               |               |               |               |

|       |              |            |             |              |            |             |
|-------|--------------|------------|-------------|--------------|------------|-------------|
| ## 17 | 0.538345120  | 0.95272437 | -0.26509148 | -0.007708992 | -0.9992805 | -0.99197906 |
| ## 18 | 0.128379300  | 0.95306401 | -0.26471825 | -0.011556695 | -0.9986322 | -0.99238313 |
| ## 19 | 0.030811416  | 0.95360569 | -0.26305774 | -0.011094388 | -0.9987754 | -0.99697129 |
| ## 20 | 0.255497580  | 0.95359464 | -0.26348997 | -0.011425851 | -0.9987486 | -0.99585747 |
| ## 21 | 0.205717490  | 0.95313551 | -0.26343690 | -0.012458678 | -0.9990282 | -0.99464403 |
| ## 22 | 0.119597260  | 0.95318325 | -0.26189643 | -0.012015606 | -0.9990405 | -0.99499448 |
| ## 23 | 0.107562320  | 0.95309294 | -0.26245862 | -0.011512171 | -0.9983326 | -0.99198868 |
| ## 24 | 0.436502030  | 0.95273161 | -0.26500697 | -0.012703514 | -0.9984994 | -0.99227999 |
| ## 25 | 0.265221870  | 0.95321880 | -0.26504320 | -0.013126421 | -0.9974938 | -0.99145541 |
| ## 26 | 0.281048870  | 0.95419361 | -0.26194319 | -0.011180786 | -0.9979682 | -0.98848774 |
| ## 27 | 0.256807040  | 0.95458893 | -0.26049928 | -0.009959401 | -0.9990051 | -0.99730066 |
| ## 28 | 0.985945370  | 0.87409866 | 0.04247915  | 0.333094490  | -0.8141894 | -0.25461649 |
| ## 29 | 0.438984800  | 0.83566368 | 0.16067501  | 0.399821730  | -0.9603877 | -0.89611252 |
| ## 30 | 0.735455530  | 0.83695957 | 0.15187734  | 0.386467650  | -0.9826391 | -0.94642426 |
| ## 31 | -0.362711770 | 0.83878762 | 0.15070183  | 0.383451810  | -0.9920382 | -0.96233892 |
| ## 32 | 0.325029660  | 0.81080506 | 0.19559534  | 0.387131970  | -0.8047433 | -0.73280728 |
| ## 33 | 0.887389320  | 0.70308608 | 0.31406786  | 0.439774030  | -0.5963284 | -0.53455402 |
| ## 34 | 0.373015880  | 0.61825810 | 0.40950272  | 0.481298500  | -0.9054497 | -0.85046281 |
| ## 35 | 0.814631890  | 0.62206550 | 0.41986657  | 0.468627990  | -0.9519610 | -0.96299035 |
| ## 36 | 0.308468120  | 0.62745102 | 0.41503721  | 0.464231030  | -0.9869493 | -0.99214128 |
| ## 37 | 0.267577420  | 0.62532313 | 0.41648854  | 0.464947740  | -0.9950577 | -0.99652110 |
| ## 38 | 0.120851880  | 0.62577398 | 0.41685730  | 0.464395730  | -0.9961608 | -0.99837049 |
| ## 39 | 0.049251575  | 0.89093772 | 0.11359108  | 0.330322140  | -0.9388229 | -0.87952195 |
| ## 40 | 0.147510370  | 0.87653997 | 0.12558056  | 0.325205860  | -0.9767786 | -0.91534904 |
| ## 41 | -0.101087750 | 0.87482213 | 0.14006721  | 0.324410570  | -0.9940478 | -0.98811386 |

|       |              |             |            |             |            |   |
|-------|--------------|-------------|------------|-------------|------------|---|
| ## 42 | 0.103092620  | 0.87646180  | 0.13923610 | 0.323579560 | -0.9972549 | - |
|       | 0.98846264   |             |            |             |            |   |
| ## 43 | 0.088823542  | 0.87645385  | 0.13843401 | 0.323398800 | -0.9976094 | - |
|       | 0.98843377   |             |            |             |            |   |
| ## 44 | 0.206697500  | 0.87538094  | 0.14222283 | 0.323512710 | -0.9966802 | - |
|       | 0.98347532   |             |            |             |            |   |
| ## 45 | 0.359774940  | 0.87579788  | 0.14258451 | 0.321947710 | -0.9951444 | - |
|       | 0.98746407   |             |            |             |            |   |
| ## 46 | 0.007964409  | 0.87599536  | 0.14162959 | 0.320476100 | -0.9958218 | - |
|       | 0.99035562   |             |            |             |            |   |
| ## 47 | -0.052470967 | 0.87478155  | 0.14485798 | 0.320539350 | -0.9977143 | - |
|       | 0.98795319   |             |            |             |            |   |
| ## 48 | 0.204900100  | 0.87474639  | 0.14560336 | 0.320387080 | -0.9984551 | - |
|       | 0.99311540   |             |            |             |            |   |
| ## 49 | -0.173582140 | 0.87423160  | 0.14572717 | 0.321629610 | -0.9956679 | - |
|       | 0.99051998   |             |            |             |            |   |
| ## 50 | 0.078122989  | 0.87324201  | 0.14758583 | 0.322335760 | -0.9969555 | - |
|       | 0.99150766   |             |            |             |            |   |
| ## 51 | 0.633790140  | 0.87410872  | 0.14567730 | 0.320873340 | -0.9950862 | - |
|       | 0.98598512   |             |            |             |            |   |
| ## 52 | -0.618319770 | -0.25504375 | 0.77465873 | 0.589776550 | -0.7837423 | - |
|       | 0.98892557   |             |            |             |            |   |
| ## 53 | -0.476377820 | -0.21014776 | 0.77390470 | 0.585119780 | -0.9603428 | - |
|       | 0.98897778   |             |            |             |            |   |
| ## 54 | -0.233307950 | -0.20876483 | 0.77171208 | 0.589947270 | -0.9887928 | - |
|       | 0.99756896   |             |            |             |            |   |
| ## 55 | -0.428179090 | -0.20956406 | 0.77109662 | 0.590104670 | -0.9959341 | - |
|       | 0.99846505   |             |            |             |            |   |
| ## 56 | -0.276611570 | -0.20874807 | 0.77103706 | 0.589413970 | -0.9994640 | - |
|       | 0.99862466   |             |            |             |            |   |
| ## 57 | -0.075398299 | -0.20871697 | 0.77129107 | 0.589334710 | -0.9996283 | - |
|       | 0.99920964   |             |            |             |            |   |
| ## 58 | -0.251328290 | -0.20863346 | 0.77135108 | 0.589634870 | -0.9992131 | - |
|       | 0.99941854   |             |            |             |            |   |
| ## 59 | -0.283274690 | -0.20856027 | 0.77074870 | 0.590017040 | -0.9983419 | - |
|       | 0.99632270   |             |            |             |            |   |
| ## 60 | -0.096512059 | -0.20760682 | 0.76992271 | 0.590450400 | -0.9957312 | - |
|       | 0.99797044   |             |            |             |            |   |
| ## 61 | -0.206230140 | -0.20636268 | 0.76929590 | 0.591305860 | -0.9981733 | - |
|       | 0.99728100   |             |            |             |            |   |
| ## 62 | -0.260664140 | -0.20649916 | 0.76915180 | 0.592143220 | -0.9976890 | - |
|       | 0.99731442   |             |            |             |            |   |
| ## 63 | -0.247479800 | -0.20702615 | 0.76962832 | 0.592192320 | -0.9988680 | - |
|       | 0.99778162   |             |            |             |            |   |
| ## 64 | -0.177281500 | -0.20699211 | 0.76946735 | 0.592916550 | -0.9992740 | - |
|       | 0.99791058   |             |            |             |            |   |
| ## 65 | 0.691729760  | 0.04474389  | 0.75845367 | 0.504936070 | -0.3121336 | - |
|       | 0.77139191   |             |            |             |            |   |
| ## 66 | -0.041688365 | -0.04772783 | 0.76866913 | 0.540988150 | -0.9064059 | - |
|       | 0.91499999   |             |            |             |            |   |



## 67 -0.461665340 -0.04169984 0.75554154 0.547425350 -0.8556327 -  
0.96354752  
## 68 -0.532594680 -0.18770377 0.70262213 0.637227850 -0.3369456 -  
0.68559820  
## 69 -0.914462910 -0.35145953 0.65518574 0.731109760 -0.7064025 -  
0.83510249  
## 70 0.094941460 -0.33939193 0.69709740 0.702091160 -0.7865452 -  
0.78429151  
## 71 -0.260423970 -0.36048000 0.71643717 0.662979600 -0.5721728 -  
0.72466654  
## 72 0.314430860 -0.57349604 0.52510468 0.779763280 -0.2424105  
0.06945978  
## 73 -0.825469120 -0.74182101 0.16014065 0.949543310 -0.8332242  
0.13696674  
## 74 0.332536210 -0.75672502 -0.05899586 0.999349900 -0.9738034 -  
0.69035884  
## 75 -0.259137660 -0.75607738 -0.06842049 0.994296730 -0.9834978 -  
0.87756222  
## 76 0.078549045 -0.75875146 -0.04599824 0.995772900 -0.9941360 -  
0.97831578  
## 77 0.157062240 -0.75643925 -0.04004269 0.997321920 -0.9919405 -  
0.97934351  
## 78 -0.162162880 -0.75507694 -0.03458935 0.996835350 -0.9972049 -  
0.98764316  
## 79 0.247024760 0.94530277 -0.24594143 -0.032164781 -0.9840476 -  
0.92892805  
## 80 0.239350960 0.94111300 -0.25203524 -0.032883452 -0.9839625 -  
0.91749933  
## 81 0.280470320 0.94636390 -0.26427810 -0.025575066 -0.9628101 -  
0.95613091  
## 82 0.446540470 0.95244515 -0.25983791 -0.026131065 -0.9811001 -  
0.96439894  
## 83 0.503659760 0.94712514 -0.25710034 -0.028422611 -0.9769275 -  
0.98859597  
## 84 0.465737800 0.94574875 -0.25477781 -0.026521446 -0.9853150 -  
0.98019454  
## 85 0.334366090 0.95021213 -0.24482976 -0.023627905 -0.9899452 -  
0.95439711  
## 86 0.259616370 0.94913033 -0.23690505 -0.022201127 -0.9803215 -  
0.98391850  
## 87 0.347224970 0.94691727 -0.26205559 -0.020235796 -0.9850642 -  
0.94652431  
## 88 0.424385690 0.94686993 -0.25580058 -0.035627962 -0.9908289 -  
0.98245209  
## 89 0.358005120 0.94541890 -0.25466811 -0.032057504 -0.9889889 -  
0.99000079  
## 90 0.396404620 0.94193674 -0.25575938 -0.026832917 -0.9878370 -  
0.99383300  
## 91 0.452535810 0.93746757 -0.25840003 -0.034867064 -0.9840391 -  
0.97922640

|        |             |            |             |              |            |   |
|--------|-------------|------------|-------------|--------------|------------|---|
| ## 92  | 0.434800920 | 0.93719527 | -0.26621211 | -0.034423250 | -0.9822816 | - |
|        | 0.97078768  |            |             |              |            |   |
| ## 93  | 0.389819050 | 0.94782306 | -0.26539900 | -0.030585939 | -0.9586719 | - |
|        | 0.96268320  |            |             |              |            |   |
| ## 94  | 0.317656120 | 0.95736507 | -0.25851158 | -0.030633221 | -0.9807135 | - |
|        | 0.97632552  |            |             |              |            |   |
| ## 95  | 0.252580010 | 0.95473147 | -0.25421267 | -0.027618421 | -0.9775431 | - |
|        | 0.97978106  |            |             |              |            |   |
| ## 96  | 0.336067170 | 0.94502756 | -0.25147834 | -0.024245992 | -0.9732221 | - |
|        | 0.98866929  |            |             |              |            |   |
| ## 97  | 0.365513520 | 0.94334390 | -0.24400324 | -0.020724365 | -0.9806463 | - |
|        | 0.95426823  |            |             |              |            |   |
| ## 98  | 0.324977520 | 0.94864827 | -0.23438221 | -0.018602576 | -0.9887960 | - |
|        | 0.97559339  |            |             |              |            |   |
| ## 99  | 0.379440700 | 0.95641810 | -0.26000305 | -0.014160474 | -0.9843450 | - |
|        | 0.98581160  |            |             |              |            |   |
| ## 100 | 0.395027210 | 0.95149993 | -0.26356251 | -0.039357122 | -0.9601321 | - |
|        | 0.97861400  |            |             |              |            |   |
| ## 101 | 0.345712350 | 0.93851389 | -0.26841916 | -0.036339041 | -0.9554587 | - |
|        | 0.97999716  |            |             |              |            |   |
| ## 102 | 0.386319410 | 0.93447152 | -0.26936496 | -0.030656862 | -0.9811307 | - |
|        | 0.98894779  |            |             |              |            |   |
| ## 103 | 0.444574460 | 0.93776033 | -0.26882859 | -0.029314983 | -0.9808154 | - |
|        | 0.99280021  |            |             |              |            |   |
| ## 104 | 0.545241750 | 0.93861575 | -0.26828456 | -0.026783007 | -0.9814576 | - |
|        | 0.98200461  |            |             |              |            |   |
| ## 105 | 0.546922750 | 0.94075878 | -0.25886389 | -0.022928327 | -0.9796220 | - |
|        | 0.95156888  |            |             |              |            |   |
| ## 106 | 0.413462940 | 0.95022231 | -0.24907103 | -0.018489407 | -0.9594804 | - |
|        | 0.98406972  |            |             |              |            |   |
| ## 107 | 0.385749290 | 0.95683540 | -0.24566304 | -0.019715884 | -0.9903853 | - |
|        | 0.98497605  |            |             |              |            |   |
| ## 108 | 0.390250260 | 0.95367537 | -0.24255418 | -0.023026076 | -0.9889260 | - |
|        | 0.97937972  |            |             |              |            |   |
| ## 109 | 0.370870810 | 0.95226274 | -0.25175686 | -0.027116144 | -0.9889067 | - |
|        | 0.94058126  |            |             |              |            |   |
| ## 110 | 0.424762080 | 0.94715881 | -0.26440906 | -0.035544763 | -0.9733357 | - |
|        | 0.98034353  |            |             |              |            |   |
| ## 111 | 0.472902730 | 0.94365045 | -0.26163413 | -0.037628000 | -0.9850143 | - |
|        | 0.96833214  |            |             |              |            |   |
| ## 112 | 0.499493490 | 0.94214757 | -0.26420665 | -0.037871942 | -0.9262345 | - |
|        | 0.96044242  |            |             |              |            |   |
| ## 113 | 0.307210210 | 0.93159584 | -0.26943482 | -0.042872935 | -0.9699187 | - |
|        | 0.98357181  |            |             |              |            |   |
| ## 114 | 0.388260950 | 0.94120320 | -0.26925779 | -0.034422365 | -0.9741355 | - |
|        | 0.99192517  |            |             |              |            |   |
| ## 115 | 0.437574850 | 0.94630634 | -0.26574318 | -0.028554153 | -0.9891130 | - |
|        | 0.97095515  |            |             |              |            |   |
| ## 116 | 0.389925890 | 0.94588224 | -0.25529462 | -0.022558174 | -0.9896079 | - |
|        | 0.96304916  |            |             |              |            |   |

|        |              |            |             |              |            |             |
|--------|--------------|------------|-------------|--------------|------------|-------------|
| ## 117 | 0.373280620  | 0.94257515 | -0.25166426 | -0.018301776 | -0.9851838 | -0.98449420 |
| ## 118 | 0.298070140  | 0.94245852 | -0.24934122 | -0.016543639 | -0.9831646 | -0.97002206 |
| ## 119 | 0.248143450  | 0.94799378 | -0.24400902 | -0.015916994 | -0.9808739 | -0.98222762 |
| ## 120 | 0.275796590  | 0.95185590 | -0.24777784 | -0.017583652 | -0.9933037 | -0.97523911 |
| ## 121 | 0.237502190  | 0.95268931 | -0.24891956 | -0.014215047 | -0.9912135 | -0.97557178 |
| ## 122 | 0.312852590  | 0.95074425 | -0.24149087 | -0.014232674 | -0.9870756 | -0.96948759 |
| ## 123 | 0.381762720  | 0.94991264 | -0.23802568 | -0.023208265 | -0.9880026 | -0.98395277 |
| ## 124 | 0.364609070  | 0.95276814 | -0.24024162 | -0.033980221 | -0.9862233 | -0.97476554 |
| ## 125 | 0.387301680  | 0.95142625 | -0.24835088 | -0.038483845 | -0.9832895 | -0.95824054 |
| ## 126 | 0.120421110  | 0.93118552 | -0.25003777 | -0.026669006 | -0.9366332 | -0.91397002 |
| ## 127 | 0.041603719  | 0.94706198 | -0.23048890 | -0.015551600 | -0.9471599 | -0.95272005 |
| ## 128 | 0.071074551  | 0.95929939 | -0.22041560 | -0.014579347 | -0.9785118 | -0.95484817 |
| ## 129 | 0.195361170  | 0.95898314 | -0.21665616 | -0.031045351 | -0.9676842 | -0.95994870 |
| ## 130 | 0.137684220  | 0.94946250 | -0.21744640 | -0.036024083 | -0.9635954 | -0.97040129 |
| ## 131 | 0.183162710  | 0.95466327 | -0.20692497 | -0.027482422 | -0.9487934 | -0.93986119 |
| ## 132 | 0.182668000  | 0.95827116 | -0.20727327 | -0.036413327 | -0.9616209 | -0.93799153 |
| ## 133 | 0.096413638  | 0.94976646 | -0.21600426 | -0.031406912 | -0.9796801 | -0.97145637 |
| ## 134 | 0.142835600  | 0.95162211 | -0.21071237 | -0.013487900 | -0.9798854 | -0.97360748 |
| ## 135 | 0.277342390  | 0.92083549 | -0.26701193 | -0.051933496 | -0.9591147 | -0.90075178 |
| ## 136 | 0.133450560  | 0.92721895 | -0.25752830 | -0.011311073 | -0.9624321 | -0.96161030 |
| ## 137 | 0.081019280  | 0.93801097 | -0.26552471 | -0.015999014 | -0.9372166 | -0.96250323 |
| ## 138 | -0.020962886 | 0.94298012 | -0.27697935 | -0.035236286 | -0.9295431 | -0.93761467 |
| ## 139 | -0.020648704 | 0.93458522 | -0.27671301 | -0.029104678 | -0.9458572 | -0.94321497 |
| ## 140 | -0.050985504 | 0.93800984 | -0.26721322 | -0.042852110 | -0.9473033 | -0.97576691 |
| ## 141 | -0.057222989 | 0.93926427 | -0.26240716 | -0.043152518 | -0.9497375 | -0.94888385 |

## 142 0.064195925 0.93532883 -0.24875006 -0.018502531 -0.9678132 -  
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## 144 0.049455720 0.93348850 -0.26237699 -0.019666744 -0.9663403 -  
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## 145 0.025268676 0.94520270 -0.25496927 -0.023947567 -0.9636784 -  
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## 146 0.171408010 0.92813939 -0.26799814 -0.026685084 -0.8785750 -  
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## 147 0.151538060 0.90796935 -0.26554180 -0.006803997 -0.9265299 -  
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## 148 0.096656078 0.93019322 -0.24940844 -0.026064489 -0.9026325 -  
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## 156 0.053885783 0.91447109 -0.31989706 -0.032413446 -0.9543291 -  
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## 159 0.109609180 0.93206988 -0.31920065 -0.063759757 -0.8644789 -  
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## 165 0.255294000 0.89996176 -0.34767434 -0.048123723 -0.9779851 -  
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## 166 0.148876350 0.89560464 -0.35903232 -0.063491643 -0.9659016 -  
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## 167 0.141583590 0.89102832 -0.36713357 -0.068768534 -0.9822345 -  
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## 168 0.128253490 0.92556435 -0.32223589 -0.055344152 -0.8909106 -  
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| ##    | NA         | NA         | NA          | NA         | NA         | NA          |
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| ## 1  | -0.8776250 | -0.9850014 | -0.98441622 | -0.8946774 | 0.89205451 | -0.16126549 |
| ## 2  | -0.9316387 | -0.9978836 | -0.98961366 | -0.9332404 | 0.89206031 | -0.16134256 |
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| ## 5  | -0.9787449 | -0.9984112 | -0.98865390 | -0.9789355 | 0.89381715 | -0.16678620 |
| ## 6  | -0.9973064 | -0.9990540 | -0.98658395 | -0.9974188 | 0.89368344 | -0.16697042 |
| ## 7  | -0.9920159 | -0.9993531 | -0.98892160 | -0.9916701 | 0.89336965 | -0.16557052 |
| ## 8  | -0.9765688 | -0.9980319 | -0.97316420 | -0.9774092 | 0.89420478 | -0.16557052 |
| ## 9  | -0.9689613 | -0.9977448 | -0.97608723 | -0.9685698 | 0.89420478 | -0.16788110 |
| ## 10 | -0.9967423 | -0.9974103 | -0.99063400 | -0.9977465 | 0.89477777 | -0.17596367 |
| ## 11 | -0.9946927 | -0.9973858 | -0.98585056 | -0.9947444 | 0.89494092 | -0.17248553 |
| ## 12 | -0.9923011 | -0.9981043 | -0.99494978 | -0.9922891 | 0.89494092 | -0.17248553 |
| ## 13 | -0.9936129 | -0.9991870 | -0.98674895 | -0.9936141 | 0.89436796 | -0.17260590 |
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| ## 15 | -0.8678738 | -0.9649788 | -0.81020875 | -0.8613914 | 0.87758813 | -0.27775430 |
| ## 16 | -0.9711946 | -0.9959044 | -0.97876537 | -0.9738571 | 0.87815990 | -0.27775430 |
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| ## 28 | -0.3424433 | -0.8070290 | -0.24906181 | -0.3549577 | 0.86053314  | 0.15158093  |
| ## 29 | -0.9108816 | -0.9662215 | -0.90545900 | -0.9083802 | 0.79063055  | 0.15158093  |
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| ## 31 | -0.9623296 | -0.9925898 | -0.96697260 | -0.9714350 | 0.76878451  | 0.14121255  |
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| ## 33 | -0.6429910 | -0.5821263 | -0.52328313 | -0.6281372 | 0.76859123  | 0.39183539  |
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| ## 36 | -0.9884872 | -0.9861994 | -0.99189720 | -0.9879712 | 0.55810315  | 0.37855379  |
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| ## 38 | -0.9954126 | -0.9960857 | -0.99843319 | -0.9953390 | 0.55365758  | 0.37906927  |
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| ## 40 | -0.9916416 | -0.9796389 | -0.91606771 | -0.9937261 | 0.81832977  | 0.11045559  |
| ## 41 | -0.9961098 | -0.9939807 | -0.99017454 | -0.9959886 | 0.80223406  | 0.11069293  |
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| ## 61 | -0.9933964 | -0.9981769 | -0.99721976 | -0.9931961 | -0.27528116 | 0.72195521  |
| ## 62 | -0.9965967 | -0.9975811 | -0.99729412 | -0.9965500 | -0.27528116 | 0.72215517  |
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| ## 78  | -0.9960833 | -0.9972554 | -0.98833037 | -0.9958561 | -0.82113745 | -0.05754990 |
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| ## 81  | -0.9719092 | -0.9630463 | -0.95550839 | -0.9740660 | 0.88473147  | -0.27006233 |
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| ## 96  | -0.9739678 | -0.9709738 | -0.99016108 | -0.9745560 | 0.88010356  | -0.26817522 |
| ## 97  | -0.9614655 | -0.9791910 | -0.95258657 | -0.9643194 | 0.87458005  | -0.25028837 |
| ## 98  | -0.9677170 | -0.9901340 | -0.97807457 | -0.9681611 | 0.87816668  | -0.25028837 |
| ## 99  | -0.8278583 | -0.9865829 | -0.98709706 | -0.8279639 | 0.88664463  | -0.27561477 |
| ## 100 | -0.9450995 | -0.9624718 | -0.97989128 | -0.9516853 | 0.88545050  | -0.27945590 |
| ## 101 | -0.9482406 | -0.9556560 | -0.98116711 | -0.9526254 | 0.88316066  | -0.28078848 |
| ## 102 | -0.9771160 | -0.9809819 | -0.98960618 | -0.9777125 | 0.86635680  | -0.28655943 |
| ## 103 | -0.9765402 | -0.9810480 | -0.99434940 | -0.9769933 | 0.86989396  | -0.28658282 |
| ## 104 | -0.9733533 | -0.9828515 | -0.98484244 | -0.9741249 | 0.86989396  | -0.27842743 |
| ## 105 | -0.9627157 | -0.9817354 | -0.95010451 | -0.9646511 | 0.88003559  | -0.26691190 |
| ## 106 | -0.9646843 | -0.9572755 | -0.98641169 | -0.9658217 | 0.88649664  | -0.26691190 |
| ## 107 | -0.9677330 | -0.9914962 | -0.98547467 | -0.9708897 | 0.88649664  | -0.26023389 |
| ## 108 | -0.9769005 | -0.9899890 | -0.97989691 | -0.9768821 | 0.88304560  | -0.25765371 |
| ## 109 | -0.9599631 | -0.9899727 | -0.93726268 | -0.9619633 | 0.88192907  | -0.25765371 |
| ## 110 | -0.9534891 | -0.9718849 | -0.98270185 | -0.9563858 | 0.88192907  | -0.27423586 |
| ## 111 | -0.9536512 | -0.9862648 | -0.96775974 | -0.9562875 | 0.87501694  | -0.27087232 |
| ## 112 | -0.9339864 | -0.9201434 | -0.95869297 | -0.9300542 | 0.88880570  | -0.27450605 |
| ## 113 | -0.9657571 | -0.9707412 | -0.98416902 | -0.9687329 | 0.86740799  | -0.28172208 |
| ## 114 | -0.9599043 | -0.9754735 | -0.99197930 | -0.9609811 | 0.87494868  | -0.28707714 |
| ## 115 | -0.9685259 | -0.9903001 | -0.97290746 | -0.9707441 | 0.87494868  | -0.27223115 |
| ## 116 | -0.9536348 | -0.9904693 | -0.96123405 | -0.9563447 | 0.87444833  | -0.26764716 |
| ## 117 | -0.9730631 | -0.9856214 | -0.98505566 | -0.9732698 | 0.87372448  | -0.26764716 |
| ## 118 | -0.9675878 | -0.9855547 | -0.97077551 | -0.9691922 | 0.87610052  | -0.26019008 |
| ## 119 | -0.9654091 | -0.9806823 | -0.98198317 | -0.9660454 | 0.87770547  | -0.26019008 |
| ## 120 | -0.9720661 | -0.9936926 | -0.97391806 | -0.9733163 | 0.87967040  | -0.26026651 |
| ## 121 | -0.9692397 | -0.9917804 | -0.97672467 | -0.9701710 | 0.88150210  | -0.25878406 |
| ## 122 | -0.9538519 | -0.9876906 | -0.97069110 | -0.9533395 | 0.88150210  | -0.25582598 |
| ## 123 | -0.9420806 | -0.9889337 | -0.98384881 | -0.9542371 | 0.88006761  | -0.25442954 |
| ## 124 | -0.9536163 | -0.9872036 | -0.97562728 | -0.9532280 | 0.88227103  | -0.25442954 |
| ## 125 | -0.9563340 | -0.9839801 | -0.95906358 | -0.9579043 | 0.88227103  | -0.25447335 |
| ## 126 | -0.9243229 | -0.9363511 | -0.90955760 | -0.9275042 | 0.87762900  | -0.24563032 |
| ## 127 | -0.9576926 | -0.9501464 | -0.96075859 | -0.9613339 | 0.88533288  | -0.24239658 |

|        |            |            |             |            |            |             |
|--------|------------|------------|-------------|------------|------------|-------------|
| ## 128 | -0.9379008 | -0.9787076 | -0.95654129 | -0.9417943 | 0.89149757 | -0.22692770 |
| ## 129 | -0.8877400 | -0.9694957 | -0.96075280 | -0.8955854 | 0.89149757 | -0.22692770 |
| ## 130 | -0.9231824 | -0.9659178 | -0.97006138 | -0.9298336 | 0.89041087 | -0.23018371 |
| ## 131 | -0.9265631 | -0.9468116 | -0.93970358 | -0.9282202 | 0.89911060 | -0.21335217 |
| ## 132 | -0.9020917 | -0.9644133 | -0.93672362 | -0.9042207 | 0.89911060 | -0.21335217 |
| ## 133 | -0.8968745 | -0.9814308 | -0.97090315 | -0.8893506 | 0.88381909 | -0.22561488 |
| ## 134 | -0.9541306 | -0.9804641 | -0.97710971 | -0.9624668 | 0.88529275 | -0.22736706 |
| ## 135 | -0.8046598 | -0.9591158 | -0.90260051 | -0.7981927 | 0.86122098 | -0.26775483 |
| ## 136 | -0.8733863 | -0.9663829 | -0.96043347 | -0.8835338 | 0.86193314 | -0.26775483 |
| ## 137 | -0.8453429 | -0.9427734 | -0.96940866 | -0.8510353 | 0.89573844 | -0.27425888 |
| ## 138 | -0.8866828 | -0.9276175 | -0.93583588 | -0.8815521 | 0.89573844 | -0.27803545 |
| ## 139 | -0.9001673 | -0.9507211 | -0.94053423 | -0.9015043 | 0.89471726 | -0.27970303 |
| ## 140 | -0.8586344 | -0.9444960 | -0.97589741 | -0.8472010 | 0.88382428 | -0.27967171 |
| ## 141 | -0.8540047 | -0.9479281 | -0.95123739 | -0.8463569 | 0.88382428 | -0.26187200 |
| ## 142 | -0.9309032 | -0.9663582 | -0.94102842 | -0.9455538 | 0.87229250 | -0.25779844 |
| ## 143 | -0.9081459 | -0.9634241 | -0.95051935 | -0.9093625 | 0.86509399 | -0.28334968 |
| ## 144 | -0.9119875 | -0.9703318 | -0.96272825 | -0.9113935 | 0.86907565 | -0.27441265 |
| ## 145 | -0.8794782 | -0.9655898 | -0.96447870 | -0.8741596 | 0.88566643 | -0.26297790 |
| ## 146 | -0.8637939 | -0.8749914 | -0.90849912 | -0.8613479 | 0.88566643 | -0.26297790 |
| ## 147 | -0.8905265 | -0.9254110 | -0.89959722 | -0.8958176 | 0.86823587 | -0.25422571 |
| ## 148 | -0.8068552 | -0.8988002 | -0.94057255 | -0.7942401 | 0.87884277 | -0.25422571 |
| ## 149 | -0.9116543 | -0.9615243 | -0.94599371 | -0.9128009 | 0.87884277 | -0.25432613 |
| ## 150 | -0.8497507 | -0.9772517 | -0.94349905 | -0.8494498 | 0.87233970 | -0.25926055 |
| ## 151 | -0.8159506 | -0.8795637 | -0.86285283 | -0.8104719 | 0.90079381 | -0.26524516 |
| ## 152 | -0.9477867 | -0.9438424 | -0.91879986 | -0.9516422 | 0.85772789 | -0.30609790 |
| ## 153 | -0.9422135 | -0.9739663 | -0.98030469 | -0.9419928 | 0.83980952 | -0.34053938 |
| ## 154 | -0.9235535 | -0.9561587 | -0.97152084 | -0.9281716 | 0.85578691 | -0.33498294 |
| ## 155 | -0.8740531 | -0.9552706 | -0.97834965 | -0.8818617 | 0.85874440 | -0.33498294 |
| ## 156 | -0.9069198 | -0.9574852 | -0.96565882 | -0.9105711 | 0.85874440 | -0.32447691 |
| ## 157 | -0.9006000 | -0.9715476 | -0.96334430 | -0.9031788 | 0.85018603 | -0.32447691 |
| ## 158 | -0.8443183 | -0.9687665 | -0.94730955 | -0.8592964 | 0.85018603 | -0.32829126 |
| ## 159 | -0.8845049 | -0.8627256 | -0.79911975 | -0.8880344 | 0.90450272 | -0.27441919 |
| ## 160 | -0.9449536 | -0.9738348 | -0.97381295 | -0.9501129 | 0.85140038 | -0.35104229 |
| ## 161 | -0.9339169 | -0.9580409 | -0.97531355 | -0.9356815 | 0.83457614 | -0.36845172 |
| ## 162 | -0.9403388 | -0.9674005 | -0.97236555 | -0.9391509 | 0.83068058 | -0.36739010 |
| ## 163 | -0.9326014 | -0.9747787 | -0.98385244 | -0.9305905 | 0.83408007 | -0.36506228 |
| ## 164 | -0.9109204 | -0.9777273 | -0.97675249 | -0.9127088 | 0.83408007 | -0.35897921 |
| ## 165 | -0.9214327 | -0.9812248 | -0.96660902 | -0.9229699 | 0.83363914 | -0.35897921 |
| ## 166 | -0.9015606 | -0.9671021 | -0.94988374 | -0.9084903 | 0.83363914 | -0.35901861 |
| ## 167 | -0.9143448 | -0.9842908 | -0.98432912 | -0.9181932 | 0.82193230 | -0.37906566 |
| ## 168 | -0.9000224 | -0.8939026 | -0.86329753 | -0.9108653 | 0.89189045 | -0.29667249 |
| ## 169 | -0.9333011 | -0.9747395 | -0.97865030 | -0.9370900 | 0.84791417 | -0.35023616 |
| ## 170 | -0.8964131 | -0.9630843 | -0.96894848 | -0.9005420 | 0.83457602 | -0.35949153 |
| ## 171 | -0.8949603 | -0.9673889 | -0.97316497 | -0.9016426 | 0.83457602 | -0.35894558 |
| ## 172 | -0.8984024 | -0.9736226 | -0.95435213 | -0.9017826 | 0.83562655 | -0.34974295 |
| ## 173 | -0.9056410 | -0.9665123 | -0.98501391 | -0.9169679 | 0.83562655 | -0.34974295 |
| ## 174 | -0.8909574 | -0.9707464 | -0.98123248 | -0.8937157 | 0.82917445 | -0.35453055 |
| ## 175 | -0.9296949 | -0.9751292 | -0.98917212 | -0.9322659 | 0.83302655 | -0.36125164 |
| ## 176 | -0.8972809 | -0.9802907 | -0.98610197 | -0.9013528 | 0.83302655 | -0.36007293 |
| ## 177 | -0.8609530 | -0.9421767 | -0.93420554 | -0.8770154 | 0.87990029 | -0.33799141 |



| ##    | NA            | NA         | NA          | NA          | NA           |
|-------|---------------|------------|-------------|-------------|--------------|
| NA    |               |            |             |             |              |
| ## 1  | 0.1246597700  | 0.97743631 | -0.12321341 | 0.05648273  | -0.375425960 |
|       | 0.8994686     |            |             |             |              |
| ## 2  | 0.1225857300  | 0.98452014 | -0.11489334 | 0.10276411  | -0.383429550 |
|       | 0.9078289     |            |             |             |              |
| ## 3  | 0.0945658430  | 0.98677010 | -0.11489334 | 0.10276411  | -0.401601600 |
|       | 0.9086678     |            |             |             |              |
| ## 4  | 0.0934246740  | 0.98682105 | -0.12133575 | 0.09575265  | -0.400278090 |
|       | 0.9106207     |            |             |             |              |
| ## 5  | 0.0916823890  | 0.98743352 | -0.12183357 | 0.09405935  | -0.400476520 |
|       | 0.9122347     |            |             |             |              |
| ## 6  | 0.0833471210  | 0.98772183 | -0.12183357 | 0.09405935  | -0.409358500 |
|       | 0.9115026     |            |             |             |              |
| ## 7  | 0.0852057250  | 0.98772183 | -0.12009236 | 0.09408513  | -0.416761170 |
|       | 0.9114530     |            |             |             |              |
| ## 8  | 0.0852057250  | 0.98792586 | -0.12855866 | 0.08589826  | -0.412938330 |
|       | 0.9129427     |            |             |             |              |
| ## 9  | 0.0844736590  | 0.98775397 | -0.12976410 | 0.08320776  | -0.409741760 |
|       | 0.9129154     |            |             |             |              |
| ## 10 | 0.0734881970  | 0.98775397 | -0.12976410 | 0.08304755  | -0.415967090 |
|       | 0.9127482     |            |             |             |              |
| ## 11 | 0.0735985160  | 0.98782618 | -0.12692295 | 0.08304755  | -0.424134380 |
|       | 0.9148287     |            |             |             |              |
| ## 12 | 0.0746622150  | 0.98861347 | -0.12340878 | 0.08312911  | -0.425805890 |
|       | 0.9149627     |            |             |             |              |
| ## 13 | 0.0746622150  | 0.98861347 | -0.12646746 | 0.08377174  | -0.419471890 |
|       | 0.9142811     |            |             |             |              |
| ## 14 | 0.0740879000  | 0.98889992 | -0.12646746 | 0.08355774  | -0.418105800 |
|       | 0.9144075     |            |             |             |              |
| ## 15 | -0.0073619503 | 0.94674897 | -0.31953731 | -0.04733557 | -0.219787170 |
|       | 0.8509581     |            |             |             |              |
| ## 16 | -0.0073619503 | 0.96863457 | -0.24813963 | -0.01484361 | -0.333948070 |
|       | 0.8695097     |            |             |             |              |
| ## 17 | -0.0084768639 | 0.97277627 | -0.23590783 | -0.01077803 | -0.316175690 |
|       | 0.8713723     |            |             |             |              |
| ## 18 | -0.0167097920 | 0.97297016 | -0.23590783 | -0.01077803 | -0.306254790 |
|       | 0.8722630     |            |             |             |              |
| ## 19 | -0.0192574400 | 0.97325777 | -0.23427394 | -0.01058620 | -0.310957810 |
|       | 0.8736839     |            |             |             |              |
| ## 20 | -0.0192574400 | 0.97336429 | -0.23399273 | -0.01039970 | -0.308919580 |
|       | 0.8736549     |            |             |             |              |
| ## 21 | -0.0200732030 | 0.97318829 | -0.23399273 | -0.01041187 | -0.307186790 |
|       | 0.8724505     |            |             |             |              |
| ## 22 | -0.0197855860 | 0.97318829 | -0.23351308 | -0.01041187 | -0.312462240 |
|       | 0.8725757     |            |             |             |              |
| ## 23 | -0.0197855860 | 0.97269154 | -0.23493193 | -0.01014215 | -0.312454430 |
|       | 0.8723389     |            |             |             |              |
| ## 24 | -0.0197913840 | 0.97263986 | -0.23580584 | -0.01141315 | -0.303045530 |
|       | 0.8713914     |            |             |             |              |

|       |               |            |             |             |              |
|-------|---------------|------------|-------------|-------------|--------------|
| ## 25 | -0.0199391930 | 0.97263986 | -0.23580584 | -0.01141315 | -0.300880270 |
|       | 0.8726692     |            |             |             |              |
| ## 26 | -0.0182799050 | 0.97384493 | -0.23540523 | -0.01116071 | -0.312623080 |
|       | 0.8752269     |            |             |             |              |
| ## 27 | -0.0182088790 | 0.97436858 | -0.23064937 | -0.00831573 | -0.319047640 |
|       | 0.8762644     |            |             |             |              |
| ## 28 | 0.4068831600  | 0.84957326 | -0.19754314 | 0.11301998  | 0.081578730  |
|       | 0.6724476     |            |             |             |              |
| ## 29 | 0.4068831600  | 0.84957326 | 0.12128980  | 0.38425838  | 0.291067140  |
|       | 0.5770921     |            |             |             |              |
| ## 30 | 0.3914289800  | 0.85049913 | 0.16770112  | 0.38425838  | 0.233984890  |
|       | 0.5801554     |            |             |             |              |
| ## 31 | 0.3761470800  | 0.85834757 | 0.16770112  | 0.36469057  | 0.226249370  |
|       | 0.5845521     |            |             |             |              |
| ## 32 | 0.4400583000  | 0.71629126 | 0.17443494  | 0.36126111  | 0.304187750  |
|       | 0.5194724     |            |             |             |              |
| ## 33 | 0.4854609600  | 0.62498772 | 0.19868948  | 0.36126111  | 0.559439660  |
|       | 0.2813885     |            |             |             |              |
| ## 34 | 0.4854609600  | 0.62498772 | 0.34623514  | 0.45720250  | 0.766441230  |
|       | 0.0975391     |            |             |             |              |
| ## 35 | 0.4787752700  | 0.62614858 | 0.43370891  | 0.46379792  | 0.768050350  |
|       | 0.1048971     |            |             |             |              |
| ## 36 | 0.4534725600  | 0.65132063 | 0.43370891  | 0.46379792  | 0.753542700  |
|       | 0.1156769     |            |             |             |              |
| ## 37 | 0.4534725600  | 0.65132063 | 0.43508944  | 0.46583901  | 0.755307270  |
|       | 0.1113663     |            |             |             |              |
| ## 38 | 0.4529781600  | 0.65179327 | 0.43715959  | 0.46583901  | 0.755700590  |
|       | 0.1122771     |            |             |             |              |
| ## 39 | 0.3287717600  | 0.89503171 | 0.11467318  | 0.32643081  | 0.083786145  |
|       | 0.7130412     |            |             |             |              |
| ## 40 | 0.3181697800  | 0.89495487 | 0.11750282  | 0.32643081  | 0.074987893  |
|       | 0.6769695     |            |             |             |              |
| ## 41 | 0.3137014900  | 0.89495487 | 0.15705003  | 0.32602192  | 0.108899690  |
|       | 0.6726854     |            |             |             |              |
| ## 42 | 0.3133852700  | 0.89682418 | 0.16094201  | 0.32550439  | 0.107575190  |
|       | 0.6767512     |            |             |             |              |
| ## 43 | 0.3122672100  | 0.89708448 | 0.16094201  | 0.32550439  | 0.104898750  |
|       | 0.6767314     |            |             |             |              |
| ## 44 | 0.3122672100  | 0.89639725 | 0.16114168  | 0.32537929  | 0.113428940  |
|       | 0.6740698     |            |             |             |              |
| ## 45 | 0.3122656000  | 0.89639725 | 0.16424515  | 0.32168640  | 0.111031090  |
|       | 0.6751046     |            |             |             |              |
| ## 46 | 0.3112591100  | 0.89651331 | 0.16424515  | 0.32168640  | 0.104885390  |
|       | 0.6755942     |            |             |             |              |
| ## 47 | 0.3095069700  | 0.89631390 | 0.16504084  | 0.32193868  | 0.111487380  |
|       | 0.6725834     |            |             |             |              |
| ## 48 | 0.3104782100  | 0.89631390 | 0.16844061  | 0.32197110  | 0.113037040  |
|       | 0.6724961     |            |             |             |              |
| ## 49 | 0.3119598000  | 0.89443607 | 0.16844061  | 0.32197110  | 0.115703490  |
|       | 0.6712211     |            |             |             |              |

|       |              |             |             |            |              |            |
|-------|--------------|-------------|-------------|------------|--------------|------------|
| ## 50 | 0.3119598000 | 0.89441143  | 0.16910986  | 0.32277681 | 0.120734860  | 0.6687695  |
| ## 51 | 0.3110137500 | 0.89441143  | 0.16737981  | 0.32198032 | 0.113311000  | 0.6709169  |
| ## 52 | 0.6191207200 | -0.28910234 | 0.78650142  | 0.57843842 | 0.368618560  | -0.9535798 |
| ## 53 | 0.5765647100 | -0.19419584 | 0.78712383  | 0.57843842 | 0.440459930  | -0.9356506 |
| ## 54 | 0.5767372100 | -0.16510276 | 0.78665169  | 0.58983598 | 0.450064320  | -0.9350424 |
| ## 55 | 0.5767372100 | -0.16510276 | 0.78619681  | 0.59186563 | 0.447276670  | -0.9354373 |
| ## 56 | 0.5765698400 | -0.16347696 | 0.78619681  | 0.59097868 | 0.446838440  | -0.9350401 |
| ## 57 | 0.5763689500 | -0.16308855 | 0.78638623  | 0.59097868 | 0.447376250  | -0.9350249 |
| ## 58 | 0.5763689500 | -0.16325144 | 0.78655448  | 0.59155497 | 0.448501840  | -0.9349840 |
| ## 59 | 0.5773375900 | -0.16325144 | 0.78504206  | 0.59170357 | 0.448027960  | -0.9349481 |
| ## 60 | 0.5773375900 | -0.16324532 | 0.78503566  | 0.59236945 | 0.448776250  | -0.9344805 |
| ## 61 | 0.5792444600 | -0.16163737 | 0.78402049  | 0.59239306 | 0.451752340  | -0.9338694 |
| ## 62 | 0.5792444600 | -0.16166286 | 0.78402049  | 0.59331901 | 0.453336070  | -0.9339365 |
| ## 63 | 0.5798202300 | -0.16166323 | 0.78418985  | 0.59385090 | 0.453747940  | -0.9341961 |
| ## 64 | 0.5801874900 | -0.16166323 | 0.78468248  | 0.59385436 | 0.455311460  | -0.9341794 |
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| ## 78 | -0.350607430 | 0.303475580  | -0.298647880 | 0.31272694  | -0.051659786 |
| ## 79 | -0.099754742 | 0.129245620  | -0.223488660 | 0.34239367  | -0.606712110 |
| ## 80 | -0.068161568 | 0.113535600  | -0.226374290 | 0.36396983  | -0.492684780 |
| ## 81 | -0.118568010 | 0.144400020  | -0.232804180 | 0.34475926  | -0.329476750 |

|        |              |              |              |             |              |
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| ## 82  | -0.106952400 | 0.153137890  | -0.263108120 | 0.39569255  | -0.380618660 |
| ## 83  | 0.047689646  | 0.028930751  | -0.176860540 | 0.34588348  | -0.378532500 |
| ## 84  | -0.046807442 | 0.131256960  | -0.284854140 | 0.46079219  | -0.286379910 |
| ## 85  | -0.041294148 | 0.122920470  | -0.275167940 | 0.45125373  | -0.196378910 |
| ## 86  | 0.057596692  | 0.018359118  | -0.169733370 | 0.34602164  | -0.212726510 |
| ## 87  | -0.232992740 | 0.248712940  | -0.318730910 | 0.40964336  | -0.687341680 |
| ## 88  | 0.038672294  | 0.020473143  | -0.151332040 | 0.30552225  | -0.590711950 |
| ## 89  | 0.082676450  | -0.010890732 | -0.133331220 | 0.29867665  | -0.453531020 |
| ## 90  | 0.191663630  | -0.130978680 | -0.008113428 | 0.17061121  | -0.468941590 |
| ## 91  | 0.056898401  | 0.031283414  | -0.194174910 | 0.38028323  | -0.328284740 |
| ## 92  | 0.066346150  | 0.011601381  | -0.164395770 | 0.34097754  | -0.173692890 |
| ## 93  | 0.040677083  | 0.029603085  | -0.174811330 | 0.34563261  | -0.069104361 |
| ## 94  | 0.019268084  | 0.051523262  | -0.195928250 | 0.36549046  | -0.117631080 |
| ## 95  | -0.008634217 | 0.070779344  | -0.202519510 | 0.35723299  | -0.179457720 |
| ## 96  | -0.047982991 | 0.100615250  | -0.219619910 | 0.36079441  | -0.258654190 |
| ## 97  | -0.078947975 | 0.159265960  | -0.307564810 | 0.47874628  | -0.347740870 |
| ## 98  | 0.053353790  | 0.020551892  | -0.170924830 | 0.34763526  | -0.307421080 |
| ## 99  | 0.087965479  | -0.026423634 | -0.109138230 | 0.26805240  | -0.615837730 |
| ## 100 | 0.036057375  | 0.042628683  | -0.194944860 | 0.37105876  | -0.576484920 |
| ## 101 | 0.021924036  | 0.046105738  | -0.186409030 | 0.35061240  | -0.445075170 |
| ## 102 | 0.315564410  | -0.254688450 | 0.108726010  | 0.06207405  | -0.102513960 |
| ## 103 | 0.461632640  | -0.416612720 | 0.283110620  | -0.12633581 | -0.100278190 |
| ## 104 | 0.151848070  | -0.081305520 | -0.070218144 | 0.24869322  | -0.209490240 |
| ## 105 | 0.105184800  | -0.023129792 | -0.139317320 | 0.32919298  | -0.312038090 |
| ## 106 | 0.002143357  | 0.069924373  | -0.212377770 | 0.37732983  | -0.436273250 |
| ## 107 | 0.223262160  | -0.149179100 | -0.007058513 | 0.18805830  | -0.290295850 |
| ## 108 | 0.026574291  | 0.035516382  | -0.171066670 | 0.33201456  | -0.301419900 |
| ## 109 | -0.044242162 | 0.101364340  | -0.227132840 | 0.37686275  | -0.295551900 |
| ## 110 | -0.002453801 | 0.065772307  | -0.198759090 | 0.35442966  | -0.350112840 |
| ## 111 | 0.006303383  | 0.053256821  | -0.183539150 | 0.33751013  | -0.450447980 |
| ## 112 | 0.008839420  | 0.038701805  | -0.158557190 | 0.30460422  | -0.330617380 |
| ## 113 | -0.028187781 | 0.087414329  | -0.216093360 | 0.36868764  | -0.474762880 |
| ## 114 | 0.098810188  | -0.043192637 | -0.085027304 | 0.23516800  | -0.396928360 |
| ## 115 | -0.117287060 | 0.184314770  | -0.315127890 | 0.46729285  | -0.358182110 |
| ## 116 | -0.026230655 | 0.092896102  | -0.229496040 | 0.38980803  | -0.384262170 |
| ## 117 | 0.093353524  | -0.042780514 | -0.081838560 | 0.23050332  | -0.313060750 |
| ## 118 | 0.054313332  | 0.001472635  | -0.130767200 | 0.28482365  | -0.358832620 |
| ## 119 | 0.014168497  | 0.051578740  | -0.189532380 | 0.35184135  | -0.355720290 |
| ## 120 | -0.016158582 | 0.071039062  | -0.194085410 | 0.33956825  | -0.360476390 |
| ## 121 | 0.004049538  | 0.067381677  | -0.211282790 | 0.37978048  | -0.432463430 |
| ## 122 | 0.062633726  | 0.002303114  | -0.143747020 | 0.31190275  | -0.523320830 |
| ## 123 | 0.064485903  | -0.002643077 | -0.134032530 | 0.29588387  | -0.529365850 |
| ## 124 | -0.018115955 | 0.077219865  | -0.206718420 | 0.36066776  | -0.416740200 |
| ## 125 | -0.055949142 | 0.109888850  | -0.231115910 | 0.37568530  | -0.554374750 |
| ## 126 | -0.239431420 | 0.252144460  | -0.318367270 | 0.40520519  | -0.428667270 |
| ## 127 | -0.241560110 | 0.247717160  | -0.306522580 | 0.38569402  | 0.175934300  |
| ## 128 | -0.177332430 | 0.185051360  | -0.249192070 | 0.33463838  | -0.130982920 |
| ## 129 | -0.190714880 | 0.215902380  | -0.298063020 | 0.40123905  | -0.139526090 |
| ## 130 | -0.132669220 | 0.185587930  | -0.301243710 | 0.43900665  | -0.044616092 |
| ## 131 | -0.123046980 | 0.131700460  | -0.200712440 | 0.29261960  | 0.034258273  |



|        |              |              |              |             |              |
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| ## 132 | -0.116312890 | 0.109293220  | -0.162375010 | 0.23908412  | 0.093149074  |
| ## 133 | 0.052097774  | -0.050635040 | -0.023399090 | 0.12579405  | 0.042772249  |
| ## 134 | 0.100348170  | -0.087986796 | 0.000424771  | 0.11519548  | 0.065077598  |
| ## 135 | -0.252398140 | 0.293727750  | -0.389846090 | 0.50609966  | -0.253795890 |
| ## 136 | -0.098365136 | 0.149467970  | -0.265746380 | 0.40528316  | -0.277572790 |
| ## 137 | -0.208108640 | 0.216393840  | -0.279282960 | 0.36290976  | -0.117815560 |
| ## 138 | -0.219652060 | 0.223576460  | -0.281024230 | 0.35896475  | -0.098600452 |
| ## 139 | -0.344726220 | 0.406524600  | -0.517414640 | 0.64494451  | -0.258659260 |
| ## 140 | -0.215138440 | 0.258673210  | -0.358172060 | 0.47720802  | -0.310501680 |
| ## 141 | -0.170697310 | 0.174565190  | -0.235850880 | 0.31948747  | -0.211134260 |
| ## 142 | -0.331851690 | 0.358675120  | -0.433563610 | 0.52635679  | -0.246142380 |
| ## 143 | -0.107886730 | 0.159722110  | -0.276344050 | 0.41617972  | -0.491137950 |
| ## 144 | -0.063413715 | 0.107095180  | -0.216146530 | 0.34774784  | -0.461048850 |
| ## 145 | -0.269236530 | 0.264203640  | -0.309005480 | 0.37341923  | -0.105659110 |
| ## 146 | -0.186713110 | 0.170621550  | -0.209425980 | 0.27033994  | -0.297103480 |
| ## 147 | -0.333020320 | 0.341825930  | -0.397261370 | 0.47066592  | -0.439999330 |
| ## 148 | -0.404590630 | 0.410926810  | -0.458836430 | 0.52285831  | -0.317468760 |
| ## 149 | -0.359451860 | 0.369963230  | -0.425467700 | 0.49827599  | -0.348755470 |
| ## 150 | -0.017718450 | 0.030087636  | -0.110719170 | 0.21744334  | -0.284768590 |
| ## 151 | -0.675263230 | 0.695023900  | -0.738623760 | 0.79086252  | -0.747379540 |
| ## 152 | -0.653510640 | 0.695237350  | -0.763810620 | 0.84134660  | -0.607567520 |
| ## 153 | -0.525950800 | 0.539059640  | -0.584278230 | 0.64065122  | -0.585009400 |
| ## 154 | -0.483135180 | 0.497218550  | -0.546627480 | 0.60853797  | -0.738409440 |
| ## 155 | -0.403206140 | 0.419332580  | -0.476012430 | 0.54689832  | -0.710298550 |
| ## 156 | -0.533047210 | 0.545892380  | -0.590870990 | 0.64735761  | -0.792386000 |
| ## 157 | -0.525518750 | 0.554254810  | -0.617456790 | 0.69291780  | -0.747801050 |
| ## 158 | -0.455740000 | 0.504439030  | -0.593696740 | 0.69677013  | -0.750576900 |
| ## 159 | -0.674239410 | 0.686755180  | -0.722821900 | 0.76778397  | -0.739902760 |
| ## 160 | -0.639490050 | 0.684405090  | -0.757229210 | 0.83923108  | -0.650495130 |
| ## 161 | -0.496573400 | 0.513107610  | -0.563931240 | 0.62657990  | -0.605945900 |
| ## 162 | -0.548078650 | 0.563487090  | -0.609977030 | 0.66734220  | -0.614542430 |
| ## 163 | -0.477202130 | 0.478616980  | -0.514356870 | 0.56235920  | -0.681659030 |
| ## 164 | -0.456337560 | 0.470627970  | -0.521222540 | 0.58413879  | -0.710690210 |
| ## 165 | -0.577843260 | 0.615866150  | -0.685090150 | 0.76474586  | -0.818643290 |
| ## 166 | -0.633427220 | 0.666494550  | -0.726824500 | 0.79638158  | -0.823510440 |
| ## 167 | -0.525991140 | 0.548281460  | -0.603181980 | 0.66899591  | -0.712496360 |
| ## 168 | -0.680887250 | 0.703767930  | -0.750338170 | 0.80538208  | -0.783673880 |
| ## 169 | -0.493417480 | 0.532944210  | -0.609394920 | 0.69833662  | -0.694970760 |
| ## 170 | -0.400648430 | 0.412985810  | -0.465091670 | 0.53080213  | -0.794528820 |
| ## 171 | -0.540357640 | 0.562191680  | -0.616037790 | 0.68084709  | -0.782401720 |
| ## 172 | -0.444868560 | 0.461486600  | -0.516306780 | 0.58469836  | -0.740308280 |
| ## 173 | -0.327843230 | 0.331439730  | -0.378604860 | 0.44081543  | -0.838665140 |
| ## 174 | -0.188826480 | 0.195864490  | -0.254203380 | 0.32917246  | -0.805874290 |
| ## 175 | -0.292753650 | 0.304753830  | -0.363575470 | 0.43855257  | -0.716840380 |
| ## 176 | -0.195520760 | 0.188603880  | -0.233526390 | 0.29706475  | -0.748958660 |
| ## 177 | -0.911654730 | 0.919289360  | -0.933570130 | 0.95017889  | -0.915596860 |
| ##     | NA           | NA           | NA           | NA          | NA           |
| ## 1   | 0.995674910  | -0.995667590 | 0.9916526800 | 0.57022164  | 0.439027350  |
| ## 2   | 0.834271100  | -0.834184380 | 0.8304639000 | -0.83128389 | -0.865711080 |
| ## 3   | 0.714392000  | -0.723298850 | 0.7287554200 | -0.18108991 | 0.337935870  |

|       |              |              |              |             |              |
|-------|--------------|--------------|--------------|-------------|--------------|
| ## 4  | 0.386372720  | -0.387119880 | 0.3852630600 | -0.99130869 | -0.968821390 |
| ## 5  | 0.239267970  | -0.241012110 | 0.2405685100 | -0.40833042 | -0.184840070 |
| ## 6  | 0.175374770  | -0.192767980 | 0.2079647400 | -0.56395092 | 0.466470700  |
| ## 7  | 0.137692160  | -0.146926820 | 0.1534755700 | 0.72642714  | 0.939338110  |
| ## 8  | 0.139172630  | -0.135434780 | 0.1296487800 | -0.93336652 | -0.859225700 |
| ## 9  | 0.503643180  | -0.501648760 | 0.4967645400 | 0.34379322  | 0.552759260  |
| ## 10 | 0.484212970  | -0.501090170 | 0.5149291700 | 0.64495215  | -0.029064172 |
| ## 11 | 0.218620190  | -0.270372270 | 0.3202432100 | 0.72373488  | 0.215376830  |
| ## 12 | -0.001330397 | -0.018672222 | 0.0370087210 | -0.35521247 | -0.911459530 |
| ## 13 | 0.011595614  | -0.029685494 | 0.0461286670 | -0.52808146 | -0.222183700 |
| ## 14 | 0.133064460  | -0.160370660 | 0.1858735000 | 0.39554996  | 0.960944310  |
| ## 15 | 0.957372130  | -0.962738430 | 0.9642205500 | 0.98203830  | 0.920221580  |
| ## 16 | 0.952431630  | -0.963825770 | 0.9714000900 | 0.58269297  | 0.640566720  |
| ## 17 | 0.647699600  | -0.655915240 | 0.6610358300 | -0.58100374 | -0.410601570 |
| ## 18 | 0.300862110  | -0.299503650 | 0.2956171300 | 0.95408754  | 0.427760150  |
| ## 19 | 0.198061610  | -0.212952260 | 0.2256588800 | 0.89428322  | 0.919807630  |
| ## 20 | 0.195086090  | -0.228459250 | 0.2598830000 | 0.95136401  | 0.995251970  |
| ## 21 | 0.157221090  | -0.191608250 | 0.2241376000 | -0.35804548 | 0.877964080  |
| ## 22 | 0.073367805  | -0.124665370 | 0.1743890600 | 0.79214304  | 0.957080720  |
| ## 23 | 0.225558840  | -0.260831410 | 0.2940952200 | 0.97753979  | 0.775922980  |
| ## 24 | 0.342540240  | -0.368328600 | 0.3916236100 | 0.36635015  | 0.150877600  |
| ## 25 | 0.413357490  | -0.438679290 | 0.4615166700 | 0.69162658  | 0.570248940  |
| ## 26 | 0.219069060  | -0.230046320 | 0.2387873800 | 0.89179034  | 0.959901960  |
| ## 27 | 0.010519388  | -0.016319652 | 0.0199127150 | 0.62263572  | 0.258733200  |
| ## 28 | 0.999175350  | -0.999206610 | 0.9952252400 | -0.98517456 | -0.945233300 |
| ## 29 | 0.964683370  | -0.972761390 | 0.9769686900 | -0.95834322 | -0.278069980 |
| ## 30 | 0.688682950  | -0.685776250 | 0.6795219400 | -0.99885647 | -0.936168000 |
| ## 31 | 0.889991130  | -0.910690350 | 0.9277793600 | 0.02585089  | -0.728764920 |
| ## 32 | 0.917271440  | -0.923119170 | 0.9251761100 | -0.96909418 | -0.866791920 |
| ## 33 | 0.871945870  | -0.870981160 | 0.8662498100 | -0.99852677 | -0.996976970 |
| ## 34 | 0.984725700  | -0.985315760 | 0.9819241300 | -0.89581954 | -0.671243120 |
| ## 35 | 0.868714960  | -0.867524820 | 0.8626137700 | -0.97138089 | -0.990379070 |
| ## 36 | 0.788711090  | -0.799348890 | 0.8063054500 | -0.86852325 | -0.944639600 |
| ## 37 | 0.087409964  | -0.088387918 | 0.0869538170 | -0.53069350 | -0.767875990 |
| ## 38 | 0.174520780  | -0.180013280 | 0.1831680500 | -0.94810473 | -0.952270690 |
| ## 39 | 0.790717570  | -0.800250910 | 0.8063196500 | -0.30719120 | 0.799268600  |
| ## 40 | 0.451366990  | -0.452747410 | 0.4512724100 | -0.89131478 | 0.918474940  |
| ## 41 | 0.224183710  | -0.244435100 | 0.2621744000 | 0.61938879  | -0.760497080 |
| ## 42 | 0.207723600  | -0.228229380 | 0.2460318600 | -0.76603311 | -0.946097870 |
| ## 43 | 0.141139310  | -0.171557230 | 0.1984566200 | -0.90959587 | -0.791576230 |
| ## 44 | 0.500719930  | -0.547100760 | 0.5900254500 | -0.97755058 | -0.311321020 |
| ## 45 | 0.487015640  | -0.492218710 | 0.4943685200 | -0.99001829 | -0.904479640 |
| ## 46 | 0.446600500  | -0.448742530 | 0.4479316900 | -0.92829374 | -0.377198760 |
| ## 47 | 0.416847700  | -0.435317050 | 0.4510280600 | -0.93743229 | -0.677298440 |
| ## 48 | 0.376358590  | -0.390435820 | 0.4019131800 | -0.87399669 | -0.554137560 |
| ## 49 | 0.369608370  | -0.378707420 | 0.3850626600 | -0.95427973 | -0.835273220 |
| ## 50 | 0.421752860  | -0.433298640 | 0.4420568200 | -0.98835405 | -0.264882550 |
| ## 51 | 0.147497000  | -0.148001090 | 0.1461728500 | -0.99700436 | -0.861551320 |
| ## 52 | 0.831068260  | -0.829360330 | 0.8240084300 | 0.71344010  | -0.833204750 |
| ## 53 | 0.812373780  | -0.815582320 | 0.8151159500 | -0.62610554 | 0.679239450  |

|        |             |              |              |             |              |
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| ## 54  | 0.596652930 | -0.613329700 | 0.6268542300 | 0.91064228  | -0.914827150 |
| ## 55  | 0.197272460 | -0.253829690 | 0.3080469100 | -0.97220071 | -0.695651880 |
| ## 56  | 0.295550510 | -0.319717660 | 0.3411414200 | -0.35166469 | 0.092731035  |
| ## 57  | 0.226133220 | -0.244962900 | 0.2610549900 | 0.27118998  | 0.377904520  |
| ## 58  | 0.163357160 | -0.187325510 | 0.2087644300 | 0.29181903  | -0.555117510 |
| ## 59  | 0.379471320 | -0.408234240 | 0.4337825500 | -0.48241492 | 0.414333670  |
| ## 60  | 0.389767000 | -0.407229220 | 0.4215248100 | -0.64717130 | 0.051824751  |
| ## 61  | 0.264468310 | -0.275233880 | 0.2834177500 | -0.47441130 | 0.629329100  |
| ## 62  | 0.304816590 | -0.328216120 | 0.3492503300 | -0.69568082 | 0.310742600  |
| ## 63  | 0.200948920 | -0.230231640 | 0.2575152500 | -0.92878609 | 0.873693690  |
| ## 64  | 0.034896525 | -0.045917474 | 0.0549754570 | -0.70337247 | 0.819300640  |
| ## 65  | 0.922525040 | -0.921796880 | 0.9172301700 | -0.96295314 | -0.993694420 |
| ## 66  | 0.795276590 | -0.836111260 | 0.8734130600 | -0.88146847 | -0.836711230 |
| ## 67  | 0.885410200 | -0.895682390 | 0.9022435700 | 0.51011115  | -0.967858160 |
| ## 68  | 0.883813320 | -0.885667480 | 0.8837750000 | 0.98876634  | -0.997552910 |
| ## 69  | 0.966452210 | -0.966020610 | 0.9616457300 | 0.71191550  | -0.970028810 |
| ## 70  | 0.821186720 | -0.828452470 | 0.8321978500 | 0.99127114  | -0.993942020 |
| ## 71  | 0.721670240 | -0.730132850 | 0.7352435700 | 0.89506685  | -0.728421370 |
| ## 72  | 0.718537400 | -0.723689000 | 0.7255284800 | 0.94547065  | -0.962165970 |
| ## 73  | 0.672932780 | -0.668780380 | 0.6613662000 | 0.75185900  | -0.926334000 |
| ## 74  | 0.944639830 | -0.955078670 | 0.9616988900 | -0.93818175 | -0.361188150 |
| ## 75  | 0.405888090 | -0.402799530 | 0.3969500200 | -0.97701425 | 0.113494580  |
| ## 76  | 0.297196390 | -0.308424340 | 0.3173553600 | 0.08318704  | 0.235487630  |
| ## 77  | 0.066588285 | -0.111901860 | 0.1554537100 | 0.97611743  | 0.494528610  |
| ## 78  | 0.090316481 | -0.128986390 | 0.1655723000 | -0.20880065 | 0.281598180  |
| ## 79  | 0.622532570 | -0.637410590 | 0.6484640600 | -0.87349292 | 0.239456570  |
| ## 80  | 0.523359330 | -0.552376140 | 0.5769215500 | 0.44531729  | -0.600650870 |
| ## 81  | 0.353549930 | -0.375452750 | 0.3926931800 | 0.41248045  | 0.320266980  |
| ## 82  | 0.410371510 | -0.438228360 | 0.4615731700 | 0.66525584  | 0.255814490  |
| ## 83  | 0.408581420 | -0.436513360 | 0.4597097400 | 0.31343582  | -0.057588718 |
| ## 84  | 0.313574730 | -0.338306470 | 0.3581308000 | 0.66276173  | 0.023355027  |
| ## 85  | 0.221719880 | -0.244104770 | 0.2612491000 | 0.73906445  | 0.116705590  |
| ## 86  | 0.236869720 | -0.258241770 | 0.2745430800 | 0.43451894  | 0.171703860  |
| ## 87  | 0.699412040 | -0.710891760 | 0.7188364300 | 0.71172858  | 0.727250570  |
| ## 88  | 0.621435120 | -0.651822260 | 0.6789276800 | 0.32183430  | 0.033600534  |
| ## 89  | 0.479009740 | -0.503153730 | 0.5232626900 | 0.44108521  | -0.863327770 |
| ## 90  | 0.493811040 | -0.517253810 | 0.5365476600 | 0.17348556  | 0.289327590  |
| ## 91  | 0.354566650 | -0.378828500 | 0.3985654000 | 0.69239516  | 0.297806810  |
| ## 92  | 0.200315390 | -0.224235230 | 0.2431990300 | -0.67805898 | 0.435077410  |
| ## 93  | 0.097009331 | -0.121154500 | 0.1394392400 | 0.83920104  | -0.004006592 |
| ## 94  | 0.142179830 | -0.163425810 | 0.1792176900 | 0.88510266  | 0.062120950  |
| ## 95  | 0.203614540 | -0.225199570 | 0.2419723200 | -0.55384003 | -0.495752520 |
| ## 96  | 0.285879260 | -0.310771040 | 0.3309361600 | 0.04022618  | -0.130761620 |
| ## 97  | 0.377825130 | -0.405520390 | 0.4282589300 | 0.93883707  | 0.604117640  |
| ## 98  | 0.332752830 | -0.355764380 | 0.3739956300 | 0.80691160  | -0.298653240 |
| ## 99  | 0.639045540 | -0.661636520 | 0.6806838700 | -0.84847859 | -0.525171250 |
| ## 100 | 0.600471680 | -0.623768430 | 0.6434869900 | 0.89779553  | -0.151142620 |
| ## 101 | 0.471328320 | -0.495864500 | 0.5159817900 | 0.90084112  | -0.927033950 |
| ## 102 | 0.129675480 | -0.153653180 | 0.1723037600 | 0.59841340  | 0.080005908  |
| ## 103 | 0.125489930 | -0.147644430 | 0.1646196700 | -0.45287074 | -0.161664620 |

|        |              |              |               |             |              |
|--------|--------------|--------------|---------------|-------------|--------------|
| ## 104 | 0.241799230  | -0.270851420 | 0.2942812800  | -0.53239076 | -0.480918580 |
| ## 105 | 0.340206120  | -0.365763610 | 0.3862122900  | 0.35216295  | 0.512658810  |
| ## 106 | 0.458281860  | -0.478536450 | 0.4943892200  | 0.75683291  | 0.606897730  |
| ## 107 | 0.319601980  | -0.346186740 | 0.3675805300  | -0.73264336 | 0.520436380  |
| ## 108 | 0.336046630  | -0.368014660 | 0.3947950500  | -0.72015327 | -0.199947980 |
| ## 109 | 0.322975940  | -0.348205680 | 0.3687827900  | -0.09442878 | -0.127943620 |
| ## 110 | 0.374755040  | -0.397356880 | 0.4153870600  | 0.72059285  | 0.659739100  |
| ## 111 | 0.473441050  | -0.494779050 | 0.5117767000  | 0.83727363  | 0.635741710  |
| ## 112 | 0.366039030  | -0.399772260 | 0.4292457700  | 0.87494398  | 0.902083700  |
| ## 113 | 0.504596260  | -0.532905590 | 0.5569133300  | 0.75452628  | 0.620291710  |
| ## 114 | 0.423096740  | -0.447578010 | 0.4677548900  | -0.38226714 | 0.721941400  |
| ## 115 | 0.386163640  | -0.411755950 | 0.4323838300  | -0.14600036 | -0.465935210 |
| ## 116 | 0.408815090  | -0.431418620 | 0.4494892900  | -0.42798921 | -0.705118080 |
| ## 117 | 0.340738020  | -0.366107650 | 0.3866819300  | 0.68729290  | -0.399465090 |
| ## 118 | 0.388129390  | -0.415033160 | 0.4369640300  | 0.84484609  | -0.075888355 |
| ## 119 | 0.378647930  | -0.399538270 | 0.4158725500  | 0.56627034  | -0.517643810 |
| ## 120 | 0.382774870  | -0.403194380 | 0.4192135500  | -0.44440783 | -0.370949200 |
| ## 121 | 0.459023120  | -0.483846940 | 0.5042659300  | 0.54330432  | -0.205541080 |
| ## 122 | 0.552047150  | -0.579394210 | 0.6025320800  | -0.17878686 | 0.428122070  |
| ## 123 | 0.556836560  | -0.582841040 | 0.6045343600  | 0.49664501  | -0.142182270 |
| ## 124 | 0.440611700  | -0.462875130 | 0.4808997300  | 0.44906327  | -0.259309540 |
| ## 125 | 0.580970180  | -0.606709800 | 0.6287190600  | 0.88543089  | -0.352648320 |
| ## 126 | 0.443319770  | -0.456962040 | 0.4670266500  | 0.71524040  | -0.091057486 |
| ## 127 | -0.163759170 | 0.154714730  | -0.1503460400 | 0.87050378  | 0.187198350  |
| ## 128 | 0.148854710  | -0.165080020 | 0.1775832700  | 0.39342479  | -0.186650520 |
| ## 129 | 0.155075740  | -0.169673290 | 0.1812426600  | 0.42504082  | 0.629553250  |
| ## 130 | 0.063631082  | -0.081530003 | 0.0963706790  | 0.55000463  | -0.188316560 |
| ## 131 | -0.013638855 | -0.005635923 | 0.0217528000  | 0.94437565  | -0.047818796 |
| ## 132 | -0.079275363 | 0.066341130  | -0.0560056730 | 0.91198261  | 0.202728440  |
| ## 133 | -0.028934846 | 0.016402542  | -0.0069305298 | 0.53169324  | -0.604102660 |
| ## 134 | -0.039585949 | 0.017099742  | 0.0005580002  | 0.81986039  | 0.411259660  |
| ## 135 | 0.278787530  | -0.303333860 | 0.3251063200  | -0.03677365 | 0.336244410  |
| ## 136 | 0.299676590  | -0.320642960 | 0.3381734300  | -0.23882202 | 0.849711940  |
| ## 137 | 0.136060400  | -0.153267330 | 0.1673980900  | -0.68978444 | -0.770697170 |
| ## 138 | 0.109674810  | -0.119870190 | 0.1272198200  | -0.32629363 | -0.928492690 |
| ## 139 | 0.273793330  | -0.287847140 | 0.2985497500  | -0.65797078 | -0.897171080 |
| ## 140 | 0.331896350  | -0.352831050 | 0.3709028600  | -0.38613342 | -0.922121840 |
| ## 141 | 0.239470160  | -0.267664120 | 0.2934450200  | -0.78373962 | -0.918658850 |
| ## 142 | 0.274117050  | -0.300988540 | 0.3244371500  | 0.24988127  | -0.191714220 |
| ## 143 | 0.514621630  | -0.537463080 | 0.5569256100  | 0.22725026  | 0.714952030  |
| ## 144 | 0.484346610  | -0.506763450 | 0.5256260400  | 0.87173358  | 0.837799090  |
| ## 145 | 0.123771100  | -0.140616960 | 0.1541618300  | -0.07839806 | -0.942720700 |
| ## 146 | 0.319270570  | -0.341029010 | 0.3600236500  | 0.64025948  | -0.885901970 |
| ## 147 | 0.458115650  | -0.475356430 | 0.4891963800  | 0.31579481  | -0.705501730 |
| ## 148 | 0.336138470  | -0.354449210 | 0.3700180400  | 0.24110468  | -0.912397980 |
| ## 149 | 0.372810560  | -0.396527180 | 0.4174181300  | 0.15866611  | -0.547409670 |
| ## 150 | 0.303655040  | -0.321820780 | 0.3369271700  | 0.11076980  | 0.084307029  |
| ## 151 | 0.758377300  | -0.768719430 | 0.7753169900  | 0.98651233  | -0.862856940 |
| ## 152 | 0.629121000  | -0.649276050 | 0.6650901600  | 0.93183045  | 0.354264290  |
| ## 153 | 0.596472430  | -0.606724480 | 0.6129403600  | 0.43183190  | -0.713109960 |

|        |              |              |               |               |              |
|--------|--------------|--------------|---------------|---------------|--------------|
| ## 154 | 0.749239100  | -0.759332080 | 0.7656135200  | 0.89569747    | 0.124088250  |
| ## 155 | 0.723114840  | -0.735118950 | 0.7432700100  | 0.84115587    | -0.041473117 |
| ## 156 | 0.804854500  | -0.816661560 | 0.8246365800  | 0.06010632    | -0.658902840 |
| ## 157 | 0.761888770  | -0.775255140 | 0.7848079100  | 0.26464963    | 0.086925372  |
| ## 158 | 0.765626900  | -0.779992490 | 0.7905554400  | 0.70677488    | 0.530102670  |
| ## 159 | 0.753497510  | -0.766319990 | 0.7752719100  | 0.99209148    | -0.901002160 |
| ## 160 | 0.667315350  | -0.683074190 | 0.6947971700  | 0.84790318    | -0.384687140 |
| ## 161 | 0.622374980  | -0.637560820 | 0.6486052500  | 0.80064701    | -0.842538160 |
| ## 162 | 0.629120390  | -0.642500220 | 0.6517838500  | 0.90625510    | -0.407668600 |
| ## 163 | 0.695156190  | -0.707593120 | 0.7159662000  | 0.61816113    | -0.524591540 |
| ## 164 | 0.723892700  | -0.736135420 | 0.7443694700  | 0.44915050    | -0.531252010 |
| ## 165 | 0.833893560  | -0.848512370 | 0.8592572600  | 0.60537139    | 0.056029641  |
| ## 166 | 0.835762060  | -0.847399400 | 0.8551929300  | 0.90642551    | 0.349217640  |
| ## 167 | 0.723309070  | -0.733234880 | 0.7392402100  | 0.68870615    | -0.443331740 |
| ## 168 | 0.797803170  | -0.811248760 | 0.8208357200  | 0.98684675    | -0.768665820 |
| ## 169 | 0.710344420  | -0.724745060 | 0.7351338300  | 0.83130464    | -0.352632930 |
| ## 170 | 0.810154990  | -0.825099100 | 0.8361552700  | 0.86715669    | -0.953762220 |
| ## 171 | 0.797821360  | -0.812505720 | 0.8232727400  | 0.76504049    | -0.402676860 |
| ## 172 | 0.752327780  | -0.763554160 | 0.7709008200  | 0.01354760    | 0.131007640  |
| ## 173 | 0.850564300  | -0.861947090 | 0.8695660500  | 0.51487177    | -0.362473390 |
| ## 174 | 0.818561020  | -0.830638270 | 0.8389079900  | -0.35165731   | -0.349386420 |
| ## 175 | 0.730506590  | -0.743232840 | 0.7519571300  | -0.05925671   | -0.841905640 |
| ## 176 | 0.760235280  | -0.770698650 | 0.7772508800  | 0.67969938    | -0.463183230 |
| ## 177 | 0.937703380  | -0.959486460 | 0.9776346300  | 0.80565264    | -0.672227670 |
| ##     | NA           | NA           | NA            | NA            | NA           |
| ## 1   | 0.986913120  | 0.077996345  | 0.0050008031  | -0.0678308080 | -0.993519060 |
| ## 2   | 0.974385620  | 0.074006709  | 0.0057711041  | 0.0293766330  | -0.995548140 |
| ## 3   | 0.643416990  | 0.073635962  | 0.0031040366  | -0.0090456308 | -0.990742810 |
| ## 4   | 0.984255520  | 0.077320614  | 0.0200576420  | -0.0098647722 | -0.992697370 |
| ## 5   | 0.964796510  | 0.073444363  | 0.0191215740  | 0.0167799790  | -0.996420170 |
| ## 6   | 0.443097110  | 0.077932436  | 0.0186840460  | 0.0093444336  | -0.994813600 |
| ## 7   | 0.879101780  | 0.082170765  | -0.0170146700 | -0.0157981660 | -0.995205610 |
| ## 8   | 0.982184820  | 0.072364228  | 0.0087478559  | -0.0044681354 | -0.995272810 |
| ## 9   | 0.968300300  | 0.075284365  | 0.0307627040  | 0.0112119500  | -0.996478920 |
| ## 10  | -0.536138930 | 0.076369318  | 0.0125189060  | 0.0030843751  | -0.991155610 |
| ## 11  | 0.821874820  | 0.071396860  | 0.0168424410  | 0.0010303821  | -0.991233560 |
| ## 12  | 0.245477790  | 0.076084514  | -0.0023115579 | -0.0076736296 | -0.998179330 |
| ## 13  | 0.882135060  | 0.077102002  | 0.0170271670  | -0.0009852394 | -0.999191610 |
| ## 14  | 0.384975110  | 0.077612380  | 0.0194892230  | 0.0152076830  | -0.996985350 |
| ## 15  | 0.974533900  | 0.066656163  | -0.0683670840 | -0.0336076010 | -0.990271120 |
| ## 16  | 0.961074840  | 0.074659313  | -0.0012810862 | -0.0266366720 | -0.995055280 |
| ## 17  | 0.830744770  | 0.076711586  | 0.0122518650  | 0.0100573250  | -0.994814890 |
| ## 18  | 0.167302200  | 0.075254470  | 0.0154195350  | 0.0166259460  | -0.994978810 |
| ## 19  | 0.990297720  | 0.075021356  | 0.0042103143  | -0.0051048322 | -0.995768510 |
| ## 20  | 0.962633710  | 0.076113384  | 0.0184277100  | -0.0060482131 | -0.996673670 |
| ## 21  | 0.102623770  | 0.075342269  | 0.0180557180  | -0.0049718288 | -0.996116980 |
| ## 22  | 0.852433970  | 0.073413536  | 0.0045245992  | -0.0058944060 | -0.995506170 |
| ## 23  | 0.681226220  | 0.076943687  | 0.0054829780  | 0.0016020823  | -0.995691600 |
| ## 24  | 0.968837730  | 0.078642693  | 0.0165033420  | -0.0000485152 | -0.996716670 |
| ## 25  | 0.973541910  | 0.074924981  | 0.0099539071  | 0.0006878857  | -0.996835710 |

|       |              |              |               |               |              |
|-------|--------------|--------------|---------------|---------------|--------------|
| ## 26 | 0.979830540  | 0.074219489  | 0.0044872377  | 0.0069293456  | -0.996053380 |
| ## 27 | 0.466436050  | 0.073460968  | 0.0183722900  | 0.0014363240  | -0.996564060 |
| ## 28 | 0.987133020  | 0.138057620  | -0.3477709900 | -0.3352723300 | -0.981223570 |
| ## 29 | 0.540735820  | 0.089548399  | -0.0343179740 | 0.0030597368  | -0.992434530 |
| ## 30 | 0.950806810  | 0.071215441  | 0.0442441190  | 0.0203581570  | -0.994612200 |
| ## 31 | -0.639333980 | -0.013591322 | 0.1206858500  | 0.2287041500  | -0.883830410 |
| ## 32 | 0.717182600  | 0.050456562  | 0.0908303650  | 0.0053317431  | -0.858030370 |
| ## 33 | 0.990836480  | 0.178438080  | -0.1196644300 | -0.2591403400 | -0.922428320 |
| ## 34 | 0.271506460  | 0.098998778  | -0.0746125650 | -0.0073366086 | -0.989699990 |
| ## 35 | 0.929377380  | 0.062975489  | 0.0341588900  | 0.0331706110  | -0.993580120 |
| ## 36 | 0.666802380  | 0.075591498  | 0.0116948920  | -0.0072211967 | -0.997407150 |
| ## 37 | -0.128923090 | 0.072773826  | 0.0035293806  | -0.0006003336 | -0.996468410 |
| ## 38 | 0.973579370  | 0.076218027  | 0.0094053857  | -0.0080907158 | -0.994884130 |
| ## 39 | 0.268684510  | 0.075301588  | 0.0826503270  | -0.0089599647 | -0.984343970 |
| ## 40 | -0.646515620 | 0.084520112  | -0.0189467350 | 0.0076682065  | -0.990514610 |
| ## 41 | -0.024223901 | 0.082081964  | -0.0058534975 | 0.0032024153  | -0.994473930 |
| ## 42 | 0.812565330  | 0.072683070  | 0.0197391120  | 0.0040143460  | -0.992640490 |
| ## 43 | 0.874763930  | 0.072130253  | 0.0199205290  | -0.0014860567 | -0.993879160 |
| ## 44 | 0.242171380  | 0.076807626  | -0.0042927307 | -0.0069884353 | -0.995206100 |
| ## 45 | 0.945952940  | 0.077934405  | 0.0148880200  | 0.0120860990  | -0.993581830 |
| ## 46 | 0.569817180  | 0.071543556  | 0.0196472980  | -0.0037668634 | -0.992373120 |
| ## 47 | 0.392944760  | 0.074515662  | 0.0092694454  | -0.0102917220 | -0.992774130 |
| ## 48 | 0.086551571  | 0.078187780  | 0.0090189325  | 0.0128729720  | -0.992763620 |
| ## 49 | 0.654329420  | 0.078228258  | 0.0054201733  | 0.0013550663  | -0.992651140 |
| ## 50 | 0.153320440  | 0.073647802  | 0.0083841697  | -0.0050818355 | -0.993966930 |
| ## 51 | 0.877167310  | 0.068868220  | 0.0202240210  | 0.0069050846  | -0.993094440 |
| ## 52 | -0.898543550 | 0.023446864  | 0.0008133385  | 0.0528113250  | -0.947453380 |
| ## 53 | -0.996068180 | 0.067178002  | 0.0156378930  | -0.0161861860 | -0.992880800 |
| ## 54 | -0.955034480 | 0.082498475  | 0.0083569472  | 0.0002341825  | -0.994888470 |
| ## 55 | 0.775027790  | 0.073995503  | 0.0137821200  | -0.0073714967 | -0.994390370 |
| ## 56 | -0.746061530 | 0.077122435  | 0.0113804070  | 0.0034761282  | -0.994839380 |
| ## 57 | -0.180067970 | 0.075608951  | 0.0123352010  | 0.0013993239  | -0.992366820 |
| ## 58 | -0.721079260 | 0.075657984  | 0.0050748365  | -0.0012262263 | -0.991940150 |
| ## 59 | -0.988800920 | 0.073531787  | 0.0108241420  | -0.0019587455 | -0.994697720 |
| ## 60 | -0.648336420 | 0.073964485  | 0.0149245390  | -0.0019185204 | -0.994359080 |
| ## 61 | -0.970849660 | 0.078027424  | 0.0085359751  | -0.0052980182 | -0.992207760 |
| ## 62 | -0.897687630 | 0.079217587  | 0.0138712920  | 0.0020966176  | -0.992520960 |
| ## 63 | -0.720809110 | 0.074492793  | 0.0154218820  | 0.0049166674  | -0.993315350 |
| ## 64 | -0.936930860 | 0.072594696  | 0.0102755190  | -0.0026395340 | -0.991304410 |
| ## 65 | 0.981097850  | 0.334817790  | -0.0873422420 | -0.2407832200 | -0.919918000 |
| ## 66 | 0.906745080  | 0.071098045  | 0.0268274720  | 0.0401078460  | -0.982586510 |
| ## 67 | -0.548424810 | -0.043507411 | -0.0537663920 | 0.1950341900  | -0.877628090 |
| ## 68 | -0.994614660 | 0.113142680  | 0.0748063110  | -0.1038263700 | -0.872571160 |
| ## 69 | -0.859921620 | 0.208875360  | 0.1137279700  | -0.2230381700 | -0.964188900 |
| ## 70 | -0.996457210 | -0.048777316 | 0.1454851700  | 0.1047531500  | -0.838929220 |
| ## 71 | -0.943775260 | 0.020624221  | -0.2687057200 | 0.2369391400  | -0.648242810 |
| ## 72 | -0.994245840 | 0.170611230  | -0.3848919000 | -0.0286405250 | -0.673699350 |
| ## 73 | -0.939956150 | 0.111612640  | 0.3056408000  | -0.2212343400 | -0.905100280 |
| ## 74 | 0.048449226  | 0.067194990  | 0.2242566400  | -0.0003273832 | -0.974636590 |
| ## 75 | -0.310577430 | 0.077417432  | -0.0373598080 | 0.0074256146  | -0.975668680 |

|        |              |              |               |               |              |
|--------|--------------|--------------|---------------|---------------|--------------|
| ## 76  | 0.904180110  | 0.080899203  | -0.0004153396 | -0.0171794540 | -0.992719750 |
| ## 77  | 0.312249470  | 0.067279115  | 0.0083881751  | 0.0005915270  | -0.991557230 |
| ## 78  | -0.941668150 | 0.071901676  | 0.0187174500  | 0.0076429677  | -0.987959580 |
| ## 79  | -0.534151790 | -0.156485650 | -0.1428529600 | -0.1130786900 | -0.183759390 |
| ## 80  | -0.627843410 | -0.207554100 | 0.3578428400  | -0.4524009300 | -0.108350280 |
| ## 81  | 0.252241800  | 0.201604470  | 0.4170822900  | 0.1390781700  | -0.177694590 |
| ## 82  | -0.133809850 | 0.336084530  | -0.4641435800 | -0.0050257445 | -0.120486230 |
| ## 83  | 0.645216400  | -0.235623390 | -0.1117772300 | 0.1726546000  | -0.192433450 |
| ## 84  | 0.382390370  | 0.115929910  | 0.2346673100  | 0.3615051800  | -0.245777010 |
| ## 85  | 0.509550280  | 0.304833180  | -0.0949930430 | -0.3623950100 | -0.101732920 |
| ## 86  | 0.351213560  | -0.209168400 | 0.1750054800  | -0.4204220700 | -0.015193506 |
| ## 87  | 0.645322810  | -0.094394668 | 0.0130173540  | -0.3057948900 | -0.306508850 |
| ## 88  | -0.054385473 | -0.174053690 | -0.0443091430 | -0.3165089400 | -0.203232890 |
| ## 89  | -0.574076020 | 0.314329000  | -0.0372607860 | -0.1085885700 | -0.172193860 |
| ## 90  | -0.045858428 | 0.467070360  | -0.3792151900 | -0.1268068900 | -0.100570230 |
| ## 91  | 0.256652900  | -0.233325630 | 0.0265853330  | 0.3406615700  | -0.155911050 |
| ## 92  | -0.851399720 | 0.019032962  | 0.0742491220  | 0.2957863500  | -0.166518850 |
| ## 93  | -0.191256020 | 0.165116690  | -0.2504743500 | -0.2625337800 | -0.116757960 |
| ## 94  | 0.082660132  | -0.241610750 | 0.4464715300  | -0.0948297600 | -0.043791913 |
| ## 95  | 0.602097130  | 0.407987300  | 0.3678247900  | -0.1230161700 | 0.006994980  |
| ## 96  | 0.275045700  | 0.398623910  | -0.3450005200 | -0.1626956300 | -0.052666233 |
| ## 97  | 0.696189220  | -0.168554860 | 0.0119773580  | 0.0863083980  | -0.080002637 |
| ## 98  | 0.161180140  | -0.343985330 | 0.1807708000  | 0.3183324700  | -0.165296320 |
| ## 99  | 0.481707640  | -0.190761150 | -0.1583020400 | 0.2725886000  | -0.067573384 |
| ## 100 | -0.361134430 | 0.339357550  | 0.4257825400  | 0.6341734700  | 0.015954634  |
| ## 101 | -0.778051520 | 0.211715740  | -0.2848952700 | -0.1670799700 | -0.028529194 |
| ## 102 | 0.113480380  | -0.190437770 | -0.1273733200 | -0.4591333100 | -0.029343053 |
| ## 103 | -0.086856164 | 0.188408430  | -0.0879396530 | -0.3554996400 | -0.138967400 |
| ## 104 | 0.491346450  | -0.084283367 | 0.1847861400  | 0.1706285300  | -0.132180330 |
| ## 105 | 0.663215600  | 0.010782856  | 0.4406822900  | 0.4735210900  | -0.154281980 |
| ## 106 | 0.644840960  | 0.417746730  | -0.3286508400 | 0.0480783450  | -0.154156990 |
| ## 107 | -0.601808030 | -0.003779975 | -0.1876454800 | -0.2286138700 | -0.048773463 |
| ## 108 | 0.168341230  | -0.075184253 | 0.2401121600  | -0.2585320000 | -0.081203975 |
| ## 109 | 0.804548380  | 0.214735190  | 0.0021294310  | -0.1875924800 | -0.149044530 |
| ## 110 | 0.752382030  | 0.258650270  | 0.1510203900  | 0.1489838700  | -0.134061310 |
| ## 111 | 0.641621310  | -0.052428623 | 0.1236930500  | 0.4027455800  | -0.132332080 |
| ## 112 | 0.712506880  | 0.118254500  | -0.0594443710 | -0.2554362700 | -0.099484175 |
| ## 113 | 0.405014100  | -0.016628142 | 0.5689210800  | 0.1096554600  | -0.077463994 |
| ## 114 | -0.142386980 | 0.548094300  | -0.3875254600 | -0.2793576300 | -0.107695090 |
| ## 115 | 0.596167480  | -0.219411530 | 0.0067696189  | 0.3014996000  | -0.161299810 |
| ## 116 | 0.805479120  | -0.137826910 | 0.4212174900  | 0.5068525800  | -0.136236910 |
| ## 117 | 0.055347045  | 0.103059910  | -0.0848261910 | -0.1039181400 | -0.050928555 |
| ## 118 | 0.310775340  | -0.107255220 | -0.1873341500 | -0.1942098500 | -0.075799301 |
| ## 119 | 0.092635442  | 0.214080770  | 0.3603799200  | -0.0535014130 | -0.279295880 |
| ## 120 | 0.226054650  | 0.217744060  | 0.2127059300  | -0.0285857280 | -0.206294530 |
| ## 121 | 0.453672010  | 0.209887130  | -0.1347085800 | -0.2499206800 | -0.194930900 |
| ## 122 | -0.201568730 | 0.286666310  | -0.3148356000 | -0.1748524100 | -0.298516860 |
| ## 123 | 0.545848530  | -0.122078530 | -0.0434879800 | 0.1870542800  | -0.165196810 |
| ## 124 | 0.596735810  | -0.211966890 | 0.4013102700  | 0.3730073200  | -0.175027750 |
| ## 125 | -0.005902113 | 0.363110680  | 0.1096555800  | 0.2532334300  | -0.224437300 |

|        |              |              |               |               |              |
|--------|--------------|--------------|---------------|---------------|--------------|
| ## 126 | 0.547209130  | 0.235245310  | -0.0872843120 | -0.2325005900 | -0.200001900 |
| ## 127 | -0.044879171 | 0.064722433  | 0.0191436880  | -0.0376538540 | -0.102357440 |
| ## 128 | -0.894905430 | -0.050868561 | 0.1660133700  | 0.0862155460  | -0.108034870 |
| ## 129 | -0.176293750 | 0.050938870  | -0.1113879200 | -0.0045744093 | -0.146832720 |
| ## 130 | 0.548787320  | 0.040674030  | 0.1021472600  | -0.0359838610 | -0.020238208 |
| ## 131 | 0.011255252  | 0.080449991  | 0.0184962280  | -0.0373983150 | 0.076303518  |
| ## 132 | 0.363778400  | 0.061859802  | -0.2050451900 | 0.0576146700  | -0.018679711 |
| ## 133 | 0.077000456  | 0.095443820  | 0.1689441200  | -0.0010016119 | -0.158220380 |
| ## 134 | 0.433582350  | 0.151735920  | 0.1446437700  | 0.0303200370  | -0.150928110 |
| ## 135 | 0.906917770  | 0.687953240  | -0.4419585300 | -0.5896136700 | 0.143107700  |
| ## 136 | -0.423227280 | -0.256898380 | 0.5372408400  | -0.0714068540 | 0.099840220  |
| ## 137 | 0.545577710  | -0.559407300 | 0.4256903500  | 0.5381009000  | 0.118392000  |
| ## 138 | 0.387152240  | 0.980744870  | -0.2800604600 | 0.0131591090  | 0.028711668  |
| ## 139 | 0.527258700  | -0.034196065 | 0.0597933390  | -0.2308162200 | 0.006773371  |
| ## 140 | 0.052119243  | -0.704677250 | 0.0864354670  | 0.1433560800  | -0.032614521 |
| ## 141 | 0.780254940  | 0.428841110  | -0.1376142400 | 0.1692343900  | 0.089649652  |
| ## 142 | 0.834842200  | 0.118043190  | 0.1139529100  | -0.3050968000 | 0.067093081  |
| ## 143 | 0.659360170  | 0.089117723  | -0.0845591730 | -0.2150997600 | -0.038407463 |
| ## 144 | 0.847371130  | -0.362161060 | 0.3708422100  | 0.2295983000  | -0.024438340 |
| ## 145 | 0.089188313  | 0.685996950  | 0.2129494100  | 0.4817403800  | -0.020320637 |
| ## 146 | -0.313314120 | 0.015294316  | -0.0498282800 | 0.1198283400  | 0.034117539  |
| ## 147 | 0.407317270  | -0.590869370 | -0.3249653700 | -0.1579199300 | -0.066281915 |
| ## 148 | 0.136803510  | -0.044109007 | -0.0635900920 | 0.1629078500  | -0.078617141 |
| ## 149 | 0.667920020  | 0.357621140  | 0.0197793620  | -0.2232394100 | -0.064489453 |
| ## 150 | 0.966676110  | 0.403938740  | -0.1718263000 | -0.3988958200 | -0.117084990 |
| ## 151 | -0.906091640 | 0.258792030  | 0.1193859600  | -0.2051499200 | -0.445288550 |
| ## 152 | 0.415180250  | 0.148659380  | 0.0586346650  | -0.1544199200 | -0.477078070 |
| ## 153 | -0.710356770 | 0.089970801  | -0.2916739600 | -0.1479336700 | -0.538209660 |
| ## 154 | -0.048501791 | 0.176722150  | -0.3540711200 | -0.2084566700 | -0.537405680 |
| ## 155 | -0.278620680 | 0.044047372  | 0.0344983470  | 0.0775574880  | -0.441187420 |
| ## 156 | 0.259165960  | 0.086751502  | 0.5604675500  | 0.0915130980  | -0.464719770 |
| ## 157 | 0.506763160  | 0.194654920  | 0.2603176700  | -0.0287421350 | -0.441904390 |
| ## 158 | 0.906318440  | 0.070654620  | 0.0705395350  | -0.0064084210 | -0.409538290 |
| ## 159 | -0.911449270 | 0.267437420  | -0.0705667480 | 0.0759125570  | -0.313530450 |
| ## 160 | -0.057737008 | 0.086863388  | -0.0267594190 | 0.0999811450  | -0.434754270 |
| ## 161 | -0.701384190 | 0.008066030  | 0.1379564000  | -0.0633075700 | -0.463561400 |
| ## 162 | -0.456865870 | 0.039049000  | 0.0284653910  | -0.0362518220 | -0.427609330 |
| ## 163 | -0.359810660 | 0.274269550  | -0.1399973400 | -0.2442736300 | -0.493825960 |
| ## 164 | 0.220448990  | 0.325674940  | -0.1275652100 | -0.3141268800 | -0.467301110 |
| ## 165 | 0.594359980  | 0.110696690  | 0.0317080250  | -0.0341938690 | -0.473883900 |
| ## 166 | 0.624397820  | 0.101271960  | 0.0457763380  | 0.0126269120  | -0.581873170 |
| ## 167 | -0.247222870 | 0.052027741  | -0.1042386200 | -0.0909498880 | -0.617957660 |
| ## 168 | -0.768951830 | 0.010085806  | 0.1191370700  | -0.0111471950 | -0.500078590 |
| ## 169 | -0.233242460 | 0.016190236  | -0.0161323150 | 0.0782427890  | -0.448210670 |
| ## 170 | -0.852560540 | 0.108216930  | 0.0416162090  | -0.1501772800 | -0.494364750 |
| ## 171 | -0.108168090 | 0.147267310  | -0.1237184300 | -0.2547978100 | -0.545926780 |
| ## 172 | -0.680209530 | 0.229583240  | -0.1810039400 | -0.2078768100 | -0.519578220 |
| ## 173 | -0.743767540 | 0.574636930  | 0.0801532080  | -0.2826905500 | -0.541822780 |
| ## 174 | -0.655597380 | 0.488786420  | -0.0399668480 | -0.2226502800 | -0.472035930 |
| ## 175 | -0.208683570 | -0.160199340 | 0.0569312770  | 0.0339323830  | -0.475631460 |



|        |              |              |              |               |              |
|--------|--------------|--------------|--------------|---------------|--------------|
| ## 176 | -0.472478830 | -0.425138080 | 0.2854096400 | 0.1578803100  | -0.380841480 |
| ## 177 | -0.105152830 | 0.091262612  | 0.0324653990 | -0.0673580840 | -0.994961900 |
| ##     | NA           | NA           | NA           | NA            | NA           |
| NA     |              |              |              |               |              |
| ## 1   | -0.988359990 | -0.99357497  | -0.994487630 | -0.986206640  | -0.9928183 - |
|        | 0.98518010   |              |              |               |              |
| ## 2   | -0.981063630 | -0.99184570  | -0.995632010 | -0.978938010  | -0.9912766 - |
|        | 0.99454467   |              |              |               |              |
| ## 3   | -0.980955610 | -0.98968664  | -0.990932910 | -0.979300230  | -0.9872381 - |
|        | 0.98707696   |              |              |               |              |
| ## 4   | -0.987552750 | -0.99349757  | -0.994265990 | -0.985717040  | -0.9914832 - |
|        | 0.98707696   |              |              |               |              |
| ## 5   | -0.988358710 | -0.99245490  | -0.996597350 | -0.986536990  | -0.9906864 - |
|        | 0.99699333   |              |              |               |              |
| ## 6   | -0.988714460 | -0.99226635  | -0.995241850 | -0.986846750  | -0.9910667 - |
|        | 0.99410538   |              |              |               |              |
| ## 7   | -0.984830790 | -0.98842507  | -0.995813340 | -0.982681080  | -0.9890392 - |
|        | 0.99410538   |              |              |               |              |
| ## 8   | -0.981291220 | -0.99033964  | -0.994898670 | -0.978238620  | -0.9921423 - |
|        | 0.99592693   |              |              |               |              |
| ## 9   | -0.980051270 | -0.99666607  | -0.996198130 | -0.977607080  | -0.9972827 - |
|        | 0.99624001   |              |              |               |              |
| ## 10  | -0.969200300 | -0.98861504  | -0.991767830 | -0.965863980  | -0.9897454 - |
|        | 0.98597618   |              |              |               |              |
| ## 11  | -0.973264340 | -0.98501751  | -0.991621520 | -0.972164390  | -0.9833564 - |
|        | 0.98597618   |              |              |               |              |
| ## 12  | -0.989788340 | -0.98953173  | -0.998262250 | -0.988061460  | -0.9866765 - |
|        | 0.99852895   |              |              |               |              |
| ## 13  | -0.990138390 | -0.99282486  | -0.999504750 | -0.988476800  | -0.9905351 - |
|        | 0.99923672   |              |              |               |              |
| ## 14  | -0.992369560 | -0.99303630  | -0.997119630 | -0.991140270  | -0.9920527 - |
|        | 0.99749900   |              |              |               |              |
| ## 15  | -0.984291370 | -0.99104766  | -0.990696350 | -0.984265140  | -0.9916588 - |
|        | 0.99062812   |              |              |               |              |
| ## 16  | -0.995274560 | -0.99513244  | -0.995218180 | -0.993546800  | -0.9939791 - |
|        | 0.99700681   |              |              |               |              |
| ## 17  | -0.992430020 | -0.99605297  | -0.994166340 | -0.990707000  | -0.9951498 - |
|        | 0.99515424   |              |              |               |              |
| ## 18  | -0.991455080 | -0.99562514  | -0.994772090 | -0.990169370  | -0.9957341 - |
|        | 0.99515424   |              |              |               |              |
| ## 19  | -0.992451390 | -0.99513475  | -0.995752520 | -0.990875480  | -0.9937237 - |
|        | 0.99595150   |              |              |               |              |
| ## 20  | -0.992759960 | -0.99654064  | -0.997025640 | -0.991220920  | -0.9943137 - |
|        | 0.99574132   |              |              |               |              |
| ## 21  | -0.993432650 | -0.99397220  | -0.996078400 | -0.992271780  | -0.9921394 - |
|        | 0.99574132   |              |              |               |              |
| ## 22  | -0.986806620 | -0.99249984  | -0.995108390 | -0.986438510  | -0.9909111 - |
|        | 0.99618842   |              |              |               |              |
| ## 23  | -0.982921260 | -0.99269663  | -0.995384950 | -0.981648650  | -0.9915791 - |
|        | 0.99654598   |              |              |               |              |

## 24 -0.985917240 -0.99281698 -0.996893860 -0.983301900 -0.9919086 -  
0.99654598  
## 25 -0.986723190 -0.99262375 -0.997165240 -0.983652920 -0.9920911 -  
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## 26 -0.986718160 -0.99156012 -0.995611660 -0.984208310 -0.9903089 -  
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## 27 -0.989278050 -0.99108795 -0.996426660 -0.987922070 -0.9898596 -  
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## 28 -0.966142280 -0.98349118 -0.984479970 -0.964888940 -0.9798738 -  
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## 29 -0.988256470 -0.99383772 -0.992234200 -0.986365880 -0.9923553 -  
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## 30 -0.992919650 -0.99189025 -0.995024940 -0.991945740 -0.9903775 -  
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## 31 -0.854606770 -0.91135086 -0.915010570 -0.890018190 -0.9258826 -  
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## 32 -0.840024830 -0.89622040 -0.858601540 -0.844970700 -0.8957187 -  
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## 33 -0.936468880 -0.95518789 -0.935239300 -0.937649230 -0.9605942 -  
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## 34 -0.981159620 -0.99574605 -0.988909530 -0.978540760 -0.9965631 -  
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## 35 -0.991023010 -0.99890280 -0.993496170 -0.991060790 -0.9989160 -  
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## 36 -0.992114490 -0.99739047 -0.997983060 -0.990702780 -0.9974220 -  
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## 37 -0.991192520 -0.99673754 -0.997027120 -0.988084560 -0.9970939 -  
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## 38 -0.990503540 -0.99724301 -0.995505310 -0.988194610 -0.9968794 -  
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## 39 -0.971826610 -0.98618311 -0.985628930 -0.971620010 -0.9855704 -  
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## 40 -0.990763450 -0.99205386 -0.991993220 -0.989459320 -0.9907162 -  
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## 41 -0.992275590 -0.99127045 -0.994524140 -0.990021030 -0.9897306 -  
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## 42 -0.990641980 -0.99159452 -0.993058150 -0.988808600 -0.9904440 -  
0.99586930  
## 43 -0.990245100 -0.99233342 -0.994537510 -0.988538410 -0.9916062 -  
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## 44 -0.990595580 -0.99252449 -0.996152090 -0.988637560 -0.9915250 -  
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## 45 -0.990723860 -0.99559271 -0.993941700 -0.989928320 -0.9951304 -  
0.99338939  
## 46 -0.993282680 -0.99748080 -0.991837970 -0.993061620 -0.9966788 -  
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## 47 -0.990433650 -0.99643207 -0.992091420 -0.989484290 -0.9951338 -  
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## 48 -0.989421000 -0.99458711 -0.992979030 -0.988253990 -0.9934146 -  
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## 49 -0.993655240 -0.99346867 -0.993299360 -0.992327800 -0.9940206 -  
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## 50 -0.991964580 -0.99592536 -0.994017680 -0.990282480 -0.9958651 -  
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## 51 -0.990784420 -0.99439585 -0.993186000 -0.988619620 -0.9927711 -  
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## 52 -0.897225970 -0.97816837 -0.962701190 -0.930825130 -0.9786286 -  
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## 53 -0.989433830 -0.99164836 -0.992300990 -0.988141450 -0.9914639 -  
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## 54 -0.991402080 -0.99377178 -0.994836790 -0.990255760 -0.9940901 -  
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## 55 -0.993177630 -0.99618103 -0.994058710 -0.992352430 -0.9960705 -  
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## 56 -0.993519150 -0.99515973 -0.994996010 -0.992629490 -0.9946978 -  
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| ## 21 | -0.9999660 | -0.9999151 | -0.9998929 | -0.9943085300 | -0.991920150 | -0.9886658 |
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| ## 55 | -0.9999461 | -0.9999111 | -0.9999363 | -0.9928449200 | -0.992911990 | -0.9944774 |
| ## 56 | -0.9999515 | -0.9999167 | -0.9999168 | -0.9943485700 | -0.993679060 | -0.9923653 |
| ## 57 | -0.9999189 | -0.9999035 | -0.9998418 | -0.9950379600 | -0.992838550 | -0.9875071 |
| ## 58 | -0.9999127 | -0.9998648 | -0.9998640 | -0.9947393400 | -0.988352000 | -0.9905412 |
| ## 59 | -0.9999498 | -0.9998828 | -0.9998815 | -0.9972870900 | -0.988286660 | -0.9925122 |
| ## 60 | -0.9999457 | -0.9998089 | -0.9998716 | -0.9954296800 | -0.983184390 | -0.9915236 |
| ## 61 | -0.9999166 | -0.9997740 | -0.9998658 | -0.9925729600 | -0.980032280 | -0.9883479 |
| ## 62 | -0.9999211 | -0.9999010 | -0.9998680 | -0.9889072700 | -0.988493860 | -0.9897101 |
| ## 63 | -0.9999322 | -0.9999313 | -0.9998676 | -0.9882919000 | -0.992941340 | -0.9868493 |
| ## 64 | -0.9999031 | -0.9999231 | -0.9998695 | -0.9903489800 | -0.990325510 | -0.9906311 |
| ## 65 | -0.9960550 | -0.9899858 | -0.9963899 | -0.9292073900 | -0.955559550 | -0.9501303 |
| ## 66 | -0.9997306 | -0.9997329 | -0.9995327 | -0.9809745800 | -0.982547960 | -0.9810842 |
| ## 67 | -0.9916948 | -0.9361853 | -0.9848683 | -0.9566193300 | -0.919442030 | -0.9622691 |
| ## 68 | -0.9910761 | -0.9332772 | -0.9835979 | -0.9059791000 | -0.848481110 | -0.8927498 |
| ## 69 | -0.9990618 | -0.9955768 | -0.9982666 | -0.9569483600 | -0.912656020 | -0.9456895 |
| ## 70 | -0.9859894 | -0.9773284 | -0.9913942 | -0.9071561600 | -0.849415280 | -0.9120258 |
| ## 71 | -0.9362585 | -0.7142397 | -0.9202614 | -0.6996074700 | -0.553859800 | -0.6981088 |
| ## 72 | -0.9449684 | -0.7284963 | -0.9233630 | -0.8152614400 | -0.752793570 | -0.7933370 |
| ## 73 | -0.9948834 | -0.9922008 | -0.9947617 | -0.9612468200 | -0.944791500 | -0.9631345 |
| ## 74 | -0.9995075 | -0.9989307 | -0.9997928 | -0.9779508900 | -0.957311620 | -0.9789426 |
| ## 75 | -0.9995402 | -0.9996036 | -0.9998638 | -0.9821972200 | -0.976272630 | -0.9903151 |
| ## 76 | -0.9999239 | -0.9998525 | -0.9999308 | -0.9904596900 | -0.986348650 | -0.9962864 |
| ## 77 | -0.9999067 | -0.9998979 | -0.9998598 | -0.9901890500 | -0.988818390 | -0.9915344 |
| ## 78 | -0.9998458 | -0.9998407 | -0.9998497 | -0.9851124600 | -0.988617290 | -0.9891963 |
| ## 79 | -0.6640259 | -0.6511818 | -0.9208134 | -0.3122830800 | -0.320830340 | -0.6220923 |
| ## 80 | -0.5995911 | -0.5133363 | -0.8921929 | 0.0524683560  | -0.024443752 | -0.4881153 |
| ## 81 | -0.6591837 | -0.5238466 | -0.9066578 | -0.0392742240 | -0.120219730 | -0.5325208 |
| ## 82 | -0.6103688 | -0.4654289 | -0.8801226 | -0.0282946110 | -0.014748012 | -0.4172572 |
| ## 83 | -0.6709258 | -0.4397159 | -0.8533894 | -0.2168830900 | -0.081383682 | -0.4429625 |
| ## 84 | -0.7128942 | -0.5153885 | -0.8514190 | -0.1688998700 | -0.156374540 | -0.5281909 |
| ## 85 | -0.5937663 | -0.5472105 | -0.8685769 | -0.1424716700 | -0.147678240 | -0.4513831 |



|        |            |            |            |               |              |            |
|--------|------------|------------|------------|---------------|--------------|------------|
| ## 86  | -0.5123116 | -0.4899641 | -0.8662773 | -0.2233019100 | -0.013872485 | -0.4652255 |
| ## 87  | -0.7567976 | -0.5617780 | -0.9175564 | -0.1967048100 | -0.330953670 | -0.5089988 |
| ## 88  | -0.6796998 | -0.4213795 | -0.8697099 | 0.0197156880  | -0.077154229 | -0.5178260 |
| ## 89  | -0.6545133 | -0.5611777 | -0.8730582 | -0.0775482680 | -0.208945410 | -0.4540741 |
| ## 90  | -0.5923939 | -0.5279788 | -0.8908119 | -0.0916345500 | -0.208494400 | -0.4036016 |
| ## 91  | -0.6407827 | -0.4348945 | -0.8664655 | -0.0162128910 | -0.017397354 | -0.3896883 |
| ## 92  | -0.6499768 | -0.3108488 | -0.8370169 | 0.0722799670  | 0.029653189  | -0.4541257 |
| ## 93  | -0.6072810 | -0.2464939 | -0.8385123 | 0.1703051000  | 0.005671277  | -0.4629586 |
| ## 94  | -0.5399561 | -0.3900517 | -0.8601031 | 0.1692642400  | 0.105656260  | -0.4072933 |
| ## 95  | -0.4901602 | -0.4920299 | -0.8622736 | 0.0002663345  | -0.004367996 | -0.3569925 |
| ## 96  | -0.5483782 | -0.5063007 | -0.8668144 | -0.0336471450 | -0.077313042 | -0.4023619 |
| ## 97  | -0.5740106 | -0.4110640 | -0.8775384 | -0.0088470562 | -0.082205803 | -0.4508332 |
| ## 98  | -0.6483927 | -0.4204964 | -0.8773987 | -0.0918411550 | -0.055785998 | -0.4807557 |
| ## 99  | -0.5624769 | -0.4266451 | -0.8739859 | -0.0206773840 | 0.035557437  | -0.4425090 |
| ## 100 | -0.4812491 | -0.4734926 | -0.8839295 | 0.1533154900  | -0.071740361 | -0.5260149 |
| ## 101 | -0.5255380 | -0.5049358 | -0.9002663 | 0.0421234680  | -0.122708270 | -0.6087183 |
| ## 102 | -0.5261558 | -0.2063765 | -0.8602732 | -0.0257164150 | -0.071306372 | -0.5319047 |
| ## 103 | -0.6266182 | -0.1713952 | -0.8643584 | -0.1262235700 | -0.123797470 | -0.4431641 |
| ## 104 | -0.6207137 | -0.1583936 | -0.8649863 | -0.0446351140 | -0.058420561 | -0.4226178 |
| ## 105 | -0.6397055 | -0.3184928 | -0.8871436 | -0.1209848800 | -0.160396170 | -0.5387630 |
| ## 106 | -0.6392320 | -0.5549909 | -0.9100058 | -0.1400622800 | -0.205782610 | -0.5895159 |
| ## 107 | -0.5450080 | -0.3939621 | -0.8732712 | 0.0187394680  | -0.184694580 | -0.5671598 |
| ## 108 | -0.5752342 | -0.2228228 | -0.8651902 | -0.0008565236 | -0.042996424 | -0.4013749 |
| ## 109 | -0.6352161 | -0.2452679 | -0.8786648 | -0.0547163810 | -0.052686408 | -0.3580983 |
| ## 110 | -0.6223175 | -0.3356234 | -0.8869036 | 0.0729893560  | -0.190702900 | -0.3886434 |
| ## 111 | -0.6208753 | -0.4241043 | -0.9086439 | 0.0439757920  | -0.151331390 | -0.4607205 |
| ## 112 | -0.5919114 | -0.1855012 | -0.7980257 | 0.0438466040  | 0.172181350  | -0.3991189 |
| ## 113 | -0.5718420 | -0.4976818 | -0.8979298 | 0.1140676200  | 0.014293502  | -0.5140662 |
| ## 114 | -0.5985414 | -0.5528068 | -0.8932581 | -0.0886255930 | -0.127363820 | -0.5371728 |
| ## 115 | -0.6453416 | -0.5167987 | -0.8860771 | -0.0929876070 | -0.191732600 | -0.5020693 |
| ## 116 | -0.6241576 | -0.4510740 | -0.8913930 | -0.0895612970 | -0.220784640 | -0.4836714 |
| ## 117 | -0.5470708 | -0.4222040 | -0.8923771 | -0.0668733940 | -0.227147700 | -0.4976626 |
| ## 118 | -0.5702253 | -0.4682307 | -0.9039398 | -0.0246573170 | -0.113859350 | -0.5055295 |
| ## 119 | -0.7375694 | -0.5380007 | -0.9103566 | -0.1227824400 | -0.187573110 | -0.5333772 |
| ## 120 | -0.6822724 | -0.6217914 | -0.9225757 | -0.0945472600 | -0.336531820 | -0.6274123 |
| ## 121 | -0.6731971 | -0.6078088 | -0.9179143 | -0.0186124350 | -0.366870560 | -0.6416287 |
| ## 122 | -0.7511668 | -0.4715987 | -0.9085114 | -0.0787577880 | -0.126090260 | -0.5551234 |
| ## 123 | -0.6487573 | -0.4416140 | -0.9034355 | 0.0578163260  | 0.038020501  | -0.4868077 |
| ## 124 | -0.6567693 | -0.5177419 | -0.8935107 | -0.0268988860 | -0.150862340 | -0.4190914 |
| ## 125 | -0.6963040 | -0.5464857 | -0.9076795 | -0.1826793900 | -0.306642550 | -0.5003610 |
| ## 126 | -0.6772416 | -0.6894888 | -0.9142967 | -0.3642814100 | -0.285428520 | -0.6008290 |
| ## 127 | -0.5944972 | -0.6596325 | -0.8608790 | -0.0920467860 | -0.077254159 | -0.5905126 |
| ## 128 | -0.5995199 | -0.5756259 | -0.8143935 | -0.1928000600 | -0.147726120 | -0.4690620 |
| ## 129 | -0.6333938 | -0.4762186 | -0.8057128 | -0.1016847200 | -0.122279450 | -0.4094265 |
| ## 130 | -0.5175194 | -0.5152559 | -0.7488684 | 0.1455141000  | -0.307738010 | -0.3152496 |
| ## 131 | -0.4184813 | -0.4568991 | -0.7117763 | 0.0705903050  | -0.321957320 | -0.1116007 |
| ## 132 | -0.5159973 | -0.5338081 | -0.7011986 | -0.4049878300 | -0.302690690 | -0.1489574 |
| ## 133 | -0.6430390 | -0.6466285 | -0.7577836 | -0.4703652900 | -0.276595670 | -0.3368729 |
| ## 134 | -0.6368603 | -0.6535148 | -0.7625730 | -0.3897745200 | -0.263129920 | -0.3705685 |
| ## 135 | -0.3433153 | -0.5068710 | -0.5432430 | 0.1934304300  | -0.331329040 | -0.3032914 |

|        |             |              |               |               |              |            |
|--------|-------------|--------------|---------------|---------------|--------------|------------|
| ## 136 | -0.3925728  | -0.5240111   | -0.6321686    | 0.3098687900  | -0.340578510 | -0.3361808 |
| ## 137 | -0.3710934  | -0.3305590   | -0.7020764    | 0.1547760800  | -0.132944580 | -0.3556450 |
| ## 138 | -0.4657870  | -0.3833672   | -0.7608540    | 0.0760015550  | -0.306487420 | -0.3475695 |
| ## 139 | -0.4907036  | -0.6773609   | -0.7684731    | 0.1279943900  | -0.427911220 | -0.3220186 |
| ## 140 | -0.5275631  | -0.6043471   | -0.8121687    | -0.0872904230 | -0.316791670 | -0.3682194 |
| ## 141 | -0.4036559  | -0.6210398   | -0.7226796    | 0.1534733400  | -0.250392370 | -0.2137464 |
| ## 142 | -0.4283232  | -0.7163046   | -0.6889384    | 0.2852518100  | -0.370257240 | -0.1894109 |
| ## 143 | -0.5351296  | -0.6012164   | -0.8638649    | 0.3291868500  | -0.208212650 | -0.3575760 |
| ## 144 | -0.5209962  | -0.6255418   | -0.8645160    | 0.1377696600  | -0.145107950 | -0.4278202 |
| ## 145 | -0.5163885  | -0.4439392   | -0.7929512    | 0.1923806800  | -0.087139099 | -0.4497149 |
| ## 146 | -0.4628845  | -0.3743581   | -0.7880315    | 0.2398771200  | 0.043712284  | -0.4140038 |
| ## 147 | -0.5600544  | -0.6545071   | -0.8672019    | -0.0017541881 | -0.179111440 | -0.4667454 |
| ## 148 | -0.5728847  | -0.7667534   | -0.8479315    | 0.2375788400  | -0.386766940 | -0.5171033 |
| ## 149 | -0.5595735  | -0.7441305   | -0.8035195    | 0.2263514500  | -0.235500730 | -0.4173987 |
| ## 150 | -0.6072441  | -0.6520079   | -0.8129427    | 0.0077704512  | -0.224423960 | -0.3945074 |
| ## 151 | -0.8435885  | -0.8608988   | -0.9352463    | -0.2540570100 | -0.483789280 | -0.6448909 |
| ## 152 | -0.8608771  | -0.8740704   | -0.9497907    | -0.2395781500 | -0.506050090 | -0.6559480 |
| ## 153 | -0.8911475  | -0.8316041   | -0.9665204    | -0.4386672900 | -0.499375470 | -0.6645073 |
| ## 154 | -0.8907411  | -0.7604947   | -0.9558212    | -0.4563066800 | -0.328525190 | -0.6329542 |
| ## 155 | -0.8414030  | -0.7601795   | -0.9370962    | -0.3227081100 | -0.360741620 | -0.6110065 |
| ## 156 | -0.8543278  | -0.8241384   | -0.9505701    | -0.4727307200 | -0.534904620 | -0.6348508 |
| ## 157 | -0.8417620  | -0.8336961   | -0.9415476    | -0.3909154500 | -0.495476970 | -0.6136761 |
| ## 158 | -0.8231618  | -0.8145036   | -0.9357353    | -0.3629763400 | -0.525076750 | -0.5851409 |
| ## 159 | -0.7616228  | -0.8543817   | -0.9478411    | -0.1786224200 | -0.327050870 | -0.6174600 |
| ## 160 | -0.8377779  | -0.8681928   | -0.9507278    | -0.3527551100 | -0.404466070 | -0.6426826 |
| ## 161 | -0.8536899  | -0.7990126   | -0.9461017    | -0.4681397600 | -0.381684920 | -0.6929946 |
| ## 162 | -0.8336963  | -0.8205038   | -0.9497561    | -0.3008614200 | -0.425901200 | -0.6644474 |
| ## 163 | -0.8694227  | -0.8725272   | -0.9702063    | -0.3864003600 | -0.539020640 | -0.7250324 |
| ## 164 | -0.8555084  | -0.8105821   | -0.9695834    | -0.4430497600 | -0.592305640 | -0.7121474 |
| ## 165 | -0.8592078  | -0.8390319   | -0.9682073    | -0.4190036200 | -0.596099060 | -0.6885775 |
| ## 166 | -0.9104871  | -0.9044057   | -0.9695374    | -0.4534642500 | -0.572945750 | -0.6953860 |
| ## 167 | -0.9250449  | -0.8985265   | -0.9646536    | -0.4628706600 | -0.488237540 | -0.7153209 |
| ## 168 | -0.8726978  | -0.8373572   | -0.9596562    | -0.3896719600 | -0.456798280 | -0.6711167 |
| ## 169 | -0.8453087  | -0.7363377   | -0.9590669    | -0.3979309500 | -0.354902910 | -0.6898739 |
| ## 170 | -0.8698217  | -0.7116213   | -0.9574257    | -0.4578523200 | -0.279508650 | -0.6800016 |
| ## 171 | -0.8946874  | -0.7857348   | -0.9553351    | -0.4404772900 | -0.465241550 | -0.7118531 |
| ## 172 | -0.8822429  | -0.7700073   | -0.9587938    | -0.4108384000 | -0.466000890 | -0.6872936 |
| ## 173 | -0.8920081  | -0.7660214   | -0.9635346    | -0.5672108200 | -0.421829200 | -0.6651396 |
| ## 174 | -0.8576769  | -0.7652670   | -0.9550630    | -0.4865897500 | -0.373253960 | -0.6231283 |
| ## 175 | -0.8599517  | -0.8248775   | -0.9631944    | -0.3593693500 | -0.445202240 | -0.7041059 |
| ## 176 | -0.8049416  | -0.7858246   | -0.9661240    | -0.5011878100 | -0.540495280 | -0.7261402 |
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| ##     | NA          | NA           | NA            | NA            | NA           | NA         |
| ## 1   | -0.81994925 | -0.793046450 | -8.888529e-01 | 1.000000000   | -0.220747030 |            |
| ## 2   | -0.87509640 | -0.655362100 | -7.673809e-01 | 0.48966215    | 0.070997076  |            |
| ## 3   | -0.75362867 | -0.673273630 | -7.471068e-01 | 0.26522482    | 0.188394740  |            |
| ## 4   | -0.82080419 | -0.754968190 | -8.252786e-01 | 0.12289300    | 0.276418810  |            |
| ## 5   | -0.85074390 | -0.746257780 | -7.969596e-01 | 0.24090421    | 0.134911520  |            |
| ## 6   | -0.77871779 | -0.754968190 | -7.908859e-01 | 0.28068582    | 0.100449720  |            |
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|       |             |              |               |             |              |
|-------|-------------|--------------|---------------|-------------|--------------|
| ## 8  | -0.80735107 | -0.671549710 | -7.779456e-01 | 0.38761715  | -0.017295796 |
| ## 9  | -0.87509640 | -0.660921410 | -8.680572e-01 | 0.37568929  | 0.077238687  |
| ## 10 | -0.75395906 | -0.529134930 | -7.672079e-01 | 0.13656340  | 0.121551860  |
| ## 11 | -0.75395906 | -0.576344100 | -6.614924e-01 | 0.25135646  | -0.011399238 |
| ## 12 | -0.93067589 | -0.806635980 | -7.349045e-01 | 0.40660511  | -0.105320690 |
| ## 13 | -0.93067589 | -0.797235060 | -7.837896e-01 | 0.18494272  | 0.250791390  |
| ## 14 | -0.87509640 | -0.826455640 | -7.901516e-01 | 0.28605309  | 0.192590410  |
| ## 15 | -0.73942203 | -0.900225450 | -8.042210e-01 | 0.32987626  | 0.141028980  |
| ## 16 | -0.85074390 | -0.982791790 | -7.983270e-01 | 0.27269113  | 0.125584620  |
| ## 17 | -0.83927424 | -0.858955890 | -8.247193e-01 | 0.20843697  | 0.185921950  |
| ## 18 | -0.80735107 | -0.836902840 | -8.581997e-01 | 0.32960071  | 0.142957870  |
| ## 19 | -0.82823515 | -0.870601650 | -8.178386e-01 | 0.22243176  | 0.146688950  |
| ## 20 | -0.86267325 | -0.858955890 | -8.202944e-01 | 0.11503435  | 0.128064650  |
| ## 21 | -0.83927424 | -0.870601650 | -7.603533e-01 | 0.29231577  | 0.033009318  |
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| ## 23 | -0.86267325 | -0.704918580 | -8.138585e-01 | 0.29263203  | 0.201671120  |
| ## 24 | -0.86267325 | -0.713080210 | -7.489599e-01 | 0.22207718  | 0.250442850  |
| ## 25 | -0.83927424 | -0.732818060 | -7.305823e-01 | 0.16728476  | 0.256291640  |
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| ## 28 | -0.50173008 | -0.872837650 | -9.531813e-01 | 0.13984431  | 0.220942860  |
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| ## 30 | -0.83183196 | -0.847730010 | -7.704034e-01 | 0.45378160  | 0.086481100  |
| ## 31 | -0.40869810 | -0.279221960 | -1.911947e-01 | -0.22693323 | 0.270137750  |
| ## 32 | 0.05852908  | -0.043095302 | -9.454345e-02 | -0.24475288 | 0.301776750  |
| ## 33 | -0.12590409 | -0.460453240 | -5.978266e-01 | -0.01166749 | 0.168512780  |
| ## 34 | -0.66445600 | -0.803439760 | -8.856721e-01 | 0.04783362  | 0.033933030  |
| ## 35 | -0.87509640 | -0.847730010 | -8.855542e-01 | 0.32676143  | 0.370193020  |
| ## 36 | -0.91577638 | -0.836902840 | -8.486859e-01 | 0.23080426  | 0.271096250  |
| ## 37 | -0.87509640 | -0.816371680 | -8.322179e-01 | 0.42181304  | 0.047356788  |
| ## 38 | -0.81760141 | -0.847730010 | -8.486859e-01 | 0.24027601  | 0.067697725  |
| ## 39 | -0.64881272 | -0.522597540 | -7.049338e-01 | 0.16409700  | 0.369907980  |
| ## 40 | -0.73336629 | -0.849017480 | -7.461393e-01 | 0.14291566  | 0.261702970  |
| ## 41 | -0.76982813 | -0.882691350 | -7.412171e-01 | -0.03942129 | 0.241313470  |
| ## 42 | -0.78792545 | -0.816371680 | -7.570015e-01 | -0.01555493 | 0.348859090  |
| ## 43 | -0.81760141 | -0.797235060 | -7.653496e-01 | 0.09166863  | 0.209577120  |
| ## 44 | -0.83927424 | -0.826455640 | -7.687061e-01 | 0.18900936  | 0.198603560  |
| ## 45 | -0.80735107 | -0.849017480 | -8.138585e-01 | 0.23274162  | 0.228807720  |
| ## 46 | -0.75741954 | -0.849017480 | -8.581997e-01 | 0.20247320  | 0.243115530  |
| ## 47 | -0.74826155 | -0.788156700 | -8.306457e-01 | 0.18416223  | 0.318656600  |
| ## 48 | -0.75741954 | -0.770924250 | -8.068076e-01 | 0.20606245  | 0.363009360  |
| ## 49 | -0.74826155 | -0.836902840 | -8.541157e-01 | 0.35371245  | 0.202914090  |
| ## 50 | -0.79746479 | -0.836902840 | -8.760955e-01 | 0.34234855  | 0.129256410  |
| ## 51 | -0.82823515 | -0.806635980 | -8.138585e-01 | 0.36005328  | 0.083654036  |
| ## 52 | -0.50158699 | -0.433233580 | -5.431313e-01 | -0.25032767 | 0.370212550  |
| ## 53 | -0.72975660 | -0.811554720 | -7.859931e-01 | 0.09843280  | 0.117311280  |
| ## 54 | -0.78792545 | -0.836979770 | -7.978693e-01 | 0.02706632  | 0.247886520  |
| ## 55 | -0.81760141 | -0.858955890 | -8.856721e-01 | 0.07322028  | 0.124921470  |
| ## 56 | -0.81760141 | -0.836902840 | -8.306457e-01 | 0.11374099  | 0.078508991  |
| ## 57 | -0.79746479 | -0.825386470 | -7.507977e-01 | 0.05782089  | 0.090396116  |

|        |             |              |               |             |              |
|--------|-------------|--------------|---------------|-------------|--------------|
| ## 58  | -0.76982813 | -0.849017480 | -8.220998e-01 | -0.02657310 | 0.154298710  |
| ## 59  | -0.80735107 | -0.847730010 | -8.220998e-01 | 0.07919528  | 0.156917990  |
| ## 60  | -0.81760141 | -0.748236010 | -8.059139e-01 | 0.06411437  | 0.210498400  |
| ## 61  | -0.75362867 | -0.721327180 | -7.901516e-01 | -0.03226922 | 0.326172230  |
| ## 62  | -0.70802088 | -0.858955890 | -7.939587e-01 | 0.04505224  | 0.185197190  |
| ## 63  | -0.75295471 | -0.858955890 | -7.746855e-01 | 0.18853161  | 0.043464264  |
| ## 64  | -0.71423735 | -0.806635980 | -7.852296e-01 | 0.23004034  | 0.119058930  |
| ## 65  | -0.04873947 | -0.263092220 | -3.700052e-01 | 0.13561675  | -0.155729830 |
| ## 66  | -0.57438326 | -0.691235470 | -5.982315e-01 | -0.11409845 | 0.380900770  |
| ## 67  | -0.23270115 | 0.040662221  | -1.427880e-01 | -0.36947082 | 0.240297740  |
| ## 68  | 0.03754299  | 0.288804040  | -9.706434e-02 | -0.35889114 | 0.218148480  |
| ## 69  | -0.22885871 | -0.104688830 | -4.640838e-01 | -0.25310342 | 0.154686070  |
| ## 70  | -0.03037977 | 0.170213400  | 1.045365e-05  | -0.12830808 | 0.437278580  |
| ## 71  | 0.37065781  | 0.450001590  | 3.356324e-01  | -0.12336882 | 0.302167400  |
| ## 72  | 0.35508381  | 0.336770660  | 5.635064e-02  | -0.12517206 | 0.246153600  |
| ## 73  | -0.17393158 | 0.007538485  | -4.542578e-01 | -0.33327761 | 0.278939490  |
| ## 74  | -0.52742279 | -0.302419140 | -6.428556e-01 | 0.23009544  | 0.237816350  |
| ## 75  | -0.55021616 | -0.704918580 | -7.054469e-01 | 0.20967179  | 0.331003090  |
| ## 76  | -0.74826155 | -0.806635980 | -8.613194e-01 | 0.17574389  | 0.227232540  |
| ## 77  | -0.73721977 | -0.847730010 | -7.491888e-01 | 0.13417627  | 0.137973240  |
| ## 78  | -0.65005204 | -0.793046450 | -7.408407e-01 | 0.12382956  | 0.235455450  |
| ## 79  | 0.59459227  | 0.649670630  | 5.906189e-01  | -0.62136295 | 0.649783760  |
| ## 80  | 0.71457854  | 0.674097860  | 5.153513e-01  | -0.50795355 | 0.456202560  |
| ## 81  | 0.71300832  | 0.695782110  | 5.624351e-01  | -0.34473334 | 0.304562510  |
| ## 82  | 0.63148382  | 0.682742910  | 6.532389e-01  | -0.51251799 | 0.526725070  |
| ## 83  | 0.50554816  | 0.807173390  | 5.787783e-01  | -0.62054184 | 0.624369110  |
| ## 84  | 0.68266575  | 0.756441700  | 6.037296e-01  | -0.48902245 | 0.353173610  |
| ## 85  | 0.75325446  | 0.681835550  | 5.393220e-01  | -0.54821462 | 0.485626530  |
| ## 86  | 0.66779251  | 0.751961540  | 5.571775e-01  | -0.58769764 | 0.631509410  |
| ## 87  | 0.72431662  | 0.650908470  | 4.161386e-01  | -0.32362457 | 0.071082293  |
| ## 88  | 0.69615574  | 0.692546650  | 4.763583e-01  | -0.28509558 | 0.141596670  |
| ## 89  | 0.61015806  | 0.622570150  | 4.991540e-01  | -0.37880684 | 0.363031890  |
| ## 90  | 0.62471008  | 0.608536230  | 6.151628e-01  | -0.54778622 | 0.638663520  |
| ## 91  | 0.61362785  | 0.743371410  | 6.635034e-01  | -0.60420969 | 0.651602420  |
| ## 92  | 0.61333629  | 0.681577030  | 6.273094e-01  | -0.47074031 | 0.299070750  |
| ## 93  | 0.67297340  | 0.724454390  | 6.250113e-01  | -0.22833927 | 0.043950072  |
| ## 94  | 0.67942592  | 0.743568370  | 5.423647e-01  | -0.21098856 | 0.075372491  |
| ## 95  | 0.72371922  | 0.689985810  | 4.616875e-01  | -0.39605372 | 0.338151110  |
| ## 96  | 0.72861307  | 0.628630870  | 5.148171e-01  | -0.49409218 | 0.431677750  |
| ## 97  | 0.64415754  | 0.601863080  | 5.275982e-01  | -0.29870833 | 0.165743230  |
| ## 98  | 0.56484580  | 0.563322730  | 5.679797e-01  | -0.24919919 | 0.152509370  |
| ## 99  | 0.57298668  | 0.616076330  | 5.815472e-01  | -0.20375479 | 0.024970876  |
| ## 100 | 0.64088325  | 0.668502460  | 6.342197e-01  | -0.08915598 | -0.091949777 |
| ## 101 | 0.67129156  | 0.526427870  | 5.242484e-01  | -0.18713538 | 0.015597376  |
| ## 102 | 0.69013268  | 0.565686100  | 4.835649e-01  | -0.09728192 | 0.031054843  |
| ## 103 | 0.71082888  | 0.632365070  | 5.242185e-01  | -0.20637510 | 0.127467400  |
| ## 104 | 0.69652707  | 0.705091600  | 6.274968e-01  | -0.47215709 | 0.466600540  |
| ## 105 | 0.65066355  | 0.784981320  | 5.894134e-01  | -0.44087889 | 0.389450820  |
| ## 106 | 0.67884693  | 0.617093160  | 5.221107e-01  | -0.44283780 | 0.397090920  |
| ## 107 | 0.57249015  | 0.631385610  | 4.644280e-01  | -0.32394049 | 0.251961560  |

|        |            |             |              |             |              |
|--------|------------|-------------|--------------|-------------|--------------|
| ## 108 | 0.68790823 | 0.722563290 | 5.899528e-01 | -0.11975438 | 0.039015076  |
| ## 109 | 0.77819576 | 0.660901880 | 5.461915e-01 | -0.07640778 | -0.009333354 |
| ## 110 | 0.59711934 | 0.631503630 | 4.880578e-01 | -0.07532157 | 0.061817361  |
| ## 111 | 0.52348459 | 0.570630430 | 5.071446e-01 | -0.14477973 | 0.097104805  |
| ## 112 | 0.59980105 | 0.722557400 | 5.814457e-01 | -0.32608125 | 0.249148650  |
| ## 113 | 0.69716766 | 0.726608550 | 5.092426e-01 | -0.21029984 | 0.198444900  |
| ## 114 | 0.78936224 | 0.523760500 | 4.456432e-01 | -0.34218042 | 0.359143800  |
| ## 115 | 0.66918240 | 0.601757890 | 6.016505e-01 | -0.55118787 | 0.560942910  |
| ## 116 | 0.65477239 | 0.595596200 | 6.475300e-01 | -0.43133747 | 0.376344240  |
| ## 117 | 0.68041002 | 0.489221250 | 5.213729e-01 | -0.46164112 | 0.407457240  |
| ## 118 | 0.62320311 | 0.534978910 | 5.821679e-01 | -0.51132504 | 0.570582720  |
| ## 119 | 0.65154717 | 0.629776900 | 5.564185e-01 | -0.27183881 | 0.300297140  |
| ## 120 | 0.77850595 | 0.690257720 | 4.025710e-01 | -0.41966327 | 0.414501140  |
| ## 121 | 0.77556431 | 0.522706070 | 4.101839e-01 | -0.29594115 | 0.280937290  |
| ## 122 | 0.65970928 | 0.514061030 | 4.491521e-01 | -0.14566771 | 0.069032621  |
| ## 123 | 0.54601796 | 0.534096690 | 5.370359e-01 | -0.32415563 | 0.278855050  |
| ## 124 | 0.49191531 | 0.613002290 | 6.032760e-01 | -0.40297926 | 0.332508640  |
| ## 125 | 0.61441106 | 0.660889040 | 5.516153e-01 | -0.40271571 | 0.385802520  |
| ## 126 | 0.73465619 | 0.671800090 | 3.550257e-01 | -0.23863861 | 0.140648540  |
| ## 127 | 0.73418881 | 0.736304800 | 4.622767e-01 | -0.35851586 | 0.242696980  |
| ## 128 | 0.61221692 | 0.713973170 | 5.547449e-01 | -0.40169522 | 0.362721250  |
| ## 129 | 0.52640654 | 0.666729760 | 5.797943e-01 | -0.54821488 | 0.460447030  |
| ## 130 | 0.61930400 | 0.651755050 | 5.772930e-01 | -0.38340509 | 0.220993120  |
| ## 131 | 0.56176682 | 0.565279430 | 6.093182e-01 | -0.40057327 | 0.324345360  |
| ## 132 | 0.63330662 | 0.538178950 | 6.284645e-01 | -0.53389214 | 0.629911130  |
| ## 133 | 0.67178164 | 0.643103360 | 5.428212e-01 | -0.45247932 | 0.435049760  |
| ## 134 | 0.59990916 | 0.678518610 | 5.508718e-01 | -0.56719725 | 0.493128490  |
| ## 135 | 0.65747119 | 0.404650770 | 6.301387e-01 | -0.06889370 | 0.061288855  |
| ## 136 | 0.57834783 | 0.502190300 | 6.267654e-01 | -0.40302138 | 0.275888350  |
| ## 137 | 0.54116473 | 0.641539100 | 6.692261e-01 | -0.30298379 | 0.176200990  |
| ## 138 | 0.76579616 | 0.600273460 | 5.781816e-01 | -0.13144956 | 0.003908885  |
| ## 139 | 0.61467429 | 0.558033910 | 5.128936e-01 | -0.37434482 | 0.167947730  |
| ## 140 | 0.42866287 | 0.624035490 | 4.932375e-01 | -0.79616432 | 0.696934260  |
| ## 141 | 0.48957578 | 0.620679060 | 6.799215e-01 | -0.38132035 | 0.241065240  |
| ## 142 | 0.44353611 | 0.597153310 | 6.612818e-01 | -0.32253406 | 0.082809180  |
| ## 143 | 0.49738373 | 0.588529590 | 4.860247e-01 | -0.42135381 | 0.105236730  |
| ## 144 | 0.52993711 | 0.658873670 | 5.769638e-01 | -0.47760026 | 0.339036780  |
| ## 145 | 0.69195549 | 0.624220700 | 7.036563e-01 | -0.44864539 | 0.414509140  |
| ## 146 | 0.70271988 | 0.616076330 | 5.820084e-01 | -0.36824573 | 0.307254180  |
| ## 147 | 0.53847287 | 0.586160180 | 5.198917e-01 | -0.26649480 | 0.032093250  |
| ## 148 | 0.59614301 | 0.588014210 | 6.168740e-01 | -0.14785331 | -0.011490829 |
| ## 149 | 0.70599001 | 0.437758340 | 5.668453e-01 | -0.16229753 | 0.100444900  |
| ## 150 | 0.59033389 | 0.562244980 | 4.556012e-01 | -0.40413522 | 0.299139210  |
| ## 151 | 0.62996883 | 0.487276010 | 3.398308e-01 | -0.15380550 | -0.117654600 |
| ## 152 | 0.62903251 | 0.564110780 | 3.804603e-01 | -0.34559168 | 0.005666779  |
| ## 153 | 0.52879658 | 0.550712300 | 3.406199e-01 | -0.47020895 | 0.049068803  |
| ## 154 | 0.60200709 | 0.526834540 | 3.697083e-01 | -0.51954915 | 0.202578150  |
| ## 155 | 0.74308448 | 0.530526760 | 4.243278e-01 | -0.59394920 | 0.347862830  |
| ## 156 | 0.65285338 | 0.566666360 | 4.393421e-01 | -0.61718983 | 0.453379540  |
| ## 157 | 0.59527944 | 0.560017360 | 5.641219e-01 | -0.35036635 | 0.142937640  |

|        |               |               |               |              |              |
|--------|---------------|---------------|---------------|--------------|--------------|
| ## 158 | 0.69905145    | 0.644340430   | 5.631876e-01  | -0.17124085  | -0.040781127 |
| ## 159 | 0.73070800    | 0.518295800   | 4.324225e-01  | -0.39656574  | 0.105040670  |
| ## 160 | 0.60749531    | 0.507716550   | 4.733523e-01  | -0.61710694  | 0.387968050  |
| ## 161 | 0.40073920    | 0.557157430   | 2.654301e-01  | -0.49064545  | 0.212389380  |
| ## 162 | 0.47336611    | 0.516234310   | 2.569230e-01  | -0.48147272  | 0.258104100  |
| ## 163 | 0.53663058    | 0.475818930   | 2.750294e-01  | -0.43615920  | 0.236371810  |
| ## 164 | 0.56324693    | 0.562645650   | 2.720873e-01  | -0.32099066  | 0.194309940  |
| ## 165 | 0.50701206    | 0.520620720   | 3.081204e-01  | -0.38289081  | 0.185543300  |
| ## 166 | 0.42757251    | 0.495638680   | 3.004786e-01  | -0.54318830  | 0.170086240  |
| ## 167 | 0.38847335    | 0.463920660   | 3.124378e-01  | -0.80853637  | 0.465843570  |
| ## 168 | 0.53462552    | 0.676882380   | 2.813342e-01  | -0.52445816  | 0.219970170  |
| ## 169 | 0.54042158    | 0.627835340   | 3.794873e-01  | -0.58901508  | 0.509112120  |
| ## 170 | 0.56912045    | 0.545851050   | 3.064594e-01  | -0.61804119  | 0.568376030  |
| ## 171 | 0.55461252    | 0.512923990   | 2.756287e-01  | -0.50142896  | 0.225314200  |
| ## 172 | 0.50717566    | 0.549288650   | 3.077885e-01  | -0.45805393  | 0.252647400  |
| ## 173 | 0.60961917    | 0.557896790   | 2.855223e-01  | -0.56425979  | 0.462984640  |
| ## 174 | 0.66157946    | 0.480090600   | 3.721435e-01  | -0.71816450  | 0.640154320  |
| ## 175 | 0.56803428    | 0.643498280   | 4.001509e-01  | -0.41143533  | 0.191291180  |
| ## 176 | 0.50027599    | 0.684366120   | 4.417321e-01  | -0.01552825  | -0.211962680 |
| ## 177 | -0.76124416   | -0.640983670  | -7.314433e-01 | 0.53667609   | -0.213353530 |
| ##     | NA            | NA            | NA            | NA           | NA           |
| ## 1   | 0.6368307500  | 0.3876435600  | 0.241401460   | -0.052252848 | 0.264177200  |
| ## 2   | 0.3627145000  | 0.5273034200  | 0.149395650   | 0.062925097  | 0.370493430  |
| ## 3   | 0.4645834600  | 0.3717178800  | 0.082664878   | -0.004621675 | 0.327470230  |
| ## 4   | 0.4574450400  | 0.1934143400  | 0.102404660   | -0.099103220 | 0.194678850  |
| ## 5   | 0.2969029200  | 0.2871847000  | 0.318970470   | -0.143364120 | 0.477454490  |
| ## 6   | 0.2597405100  | 0.2019467600  | 0.350577430   | -0.077269461 | 0.562664630  |
| ## 7   | 0.3075537500  | 0.2398078600  | 0.078529161   | -0.003967417 | 0.170514180  |
| ## 8   | 0.3868415700  | 0.3938711700  | 0.163174080   | 0.025849130  | 0.122561430  |
| ## 9   | 0.3778990000  | 0.3264202600  | 0.221569260   | 0.059024589  | 0.177102180  |
| ## 10  | 0.2874711200  | -0.0410566920 | -0.029588552  | 0.225281100  | 0.063532105  |
| ## 11  | 0.3553933000  | -0.0263765460 | -0.118344030  | 0.324212490  | -0.078466281 |
| ## 12  | 0.4536623700  | 0.3021264000  | 0.206131030   | 0.138315030  | 0.094012813  |
| ## 13  | 0.1925204700  | 0.3030984300  | 0.345095610   | 0.084757574  | 0.365988540  |
| ## 14  | 0.4131011900  | 0.2663655900  | 0.312518210   | -0.084436666 | 0.401130710  |
| ## 15  | 0.4191842700  | 0.2137465400  | -0.328382950  | 0.307775510  | -0.306064130 |
| ## 16  | 0.2624911400  | 0.2556551500  | 0.161936910   | -0.153452580 | 0.025143376  |
| ## 17  | 0.3709259400  | 0.0925224680  | 0.358362260   | -0.321456560 | 0.321205190  |
| ## 18  | 0.4489232600  | 0.1368102500  | 0.231516970   | -0.133470190 | 0.348308620  |
| ## 19  | 0.0760574450  | 0.1800706100  | 0.165810790   | -0.016961690 | 0.380940510  |
| ## 20  | -0.0851846990 | 0.3094016800  | 0.226249940   | -0.089899440 | 0.390967250  |
| ## 21  | 0.2524917800  | 0.2138521300  | 0.257431750   | -0.064085740 | 0.235572140  |
| ## 22  | 0.5068819500  | 0.2716051700  | 0.286837420   | 0.186661860  | 0.128128150  |
| ## 23  | 0.2883479700  | 0.2753508100  | 0.245150000   | 0.285326160  | 0.127656490  |
| ## 24  | 0.1318131400  | 0.2365885900  | 0.220965570   | 0.168206030  | 0.253968820  |
| ## 25  | 0.1226478700  | 0.3477145800  | 0.161469250   | 0.248112730  | 0.109234160  |
| ## 26  | 0.4267007900  | 0.2465956900  | 0.337995330   | 0.150662810  | 0.336286560  |
| ## 27  | 0.5154723000  | 0.3388826300  | 0.440567070   | -0.003316526 | 0.523132290  |
| ## 28  | 0.3388770500  | 0.0897615260  | -0.198949600  | -0.507492740 | 0.255790880  |
| ## 29  | 0.3086440400  | -0.0288059010 | 0.085944987   | -0.362223200 | 0.073697878  |

|       |               |               |              |              |              |
|-------|---------------|---------------|--------------|--------------|--------------|
| ## 30 | 0.3734040300  | 0.1166641500  | 0.117375350  | 0.050277191  | 0.119841670  |
| ## 31 | -0.1742742600 | 0.4425313500  | -0.309518240 | 0.186053310  | 0.002515317  |
| ## 32 | -0.0118170700 | 0.2210037100  | -0.329126790 | 0.220969840  | -0.018027448 |
| ## 33 | 0.5320310500  | -0.2944957900 | -0.325674350 | 0.208573460  | 0.039548081  |
| ## 34 | 0.0436900510  | -0.0550871240 | -0.019749876 | -0.164158680 | 0.161349530  |
| ## 35 | 0.2534965700  | 0.2287725600  | 0.243782040  | 0.242229580  | 0.208305390  |
| ## 36 | 0.0454901990  | 0.3360114400  | 0.429364440  | 0.055447773  | 0.434531500  |
| ## 37 | 0.5911247800  | 0.0112112360  | 0.446524200  | 0.006127840  | 0.517677820  |
| ## 38 | 0.4814131400  | 0.0427159390  | 0.206383930  | 0.077654537  | 0.249185150  |
| ## 39 | 0.2752184200  | 0.2226867200  | 0.038968665  | -0.225066250 | 0.142134140  |
| ## 40 | 0.4178460700  | 0.0332446000  | 0.237350430  | 0.042105723  | 0.103389480  |
| ## 41 | -0.0490547650 | 0.3159595200  | 0.084875061  | 0.332940100  | -0.013547524 |
| ## 42 | -0.1570708300 | 0.3160765500  | 0.258944220  | 0.290219070  | 0.349213680  |
| ## 43 | -0.0540793650 | 0.1657360300  | 0.207382150  | 0.305820820  | 0.295967890  |
| ## 44 | -0.0324816330 | 0.1363163700  | 0.196834170  | 0.185070560  | 0.241547880  |
| ## 45 | 0.1100551500  | 0.1134100300  | 0.202601610  | 0.109460490  | 0.220016260  |
| ## 46 | 0.2834623800  | -0.0493282160 | 0.072676512  | 0.248209360  | 0.011517831  |
| ## 47 | 0.2042978400  | -0.0038976727 | 0.205066350  | 0.146681380  | 0.404491230  |
| ## 48 | 0.2488027900  | 0.0796377670  | 0.184327590  | 0.153712250  | 0.406200010  |
| ## 49 | 0.5159953400  | 0.2127099900  | 0.053420561  | 0.300586450  | 0.110128690  |
| ## 50 | 0.3832411100  | 0.2477260700  | 0.170068880  | 0.234325200  | 0.307594670  |
| ## 51 | 0.3876845200  | 0.0432060230  | 0.399597580  | 0.120196790  | 0.558709190  |
| ## 52 | -0.0837859120 | 0.0907945170  | -0.184274330 | 0.358529580  | 0.013519784  |
| ## 53 | 0.1773690200  | 0.0382331470  | 0.236109730  | 0.019613715  | 0.261846490  |
| ## 54 | -0.2228036800 | 0.3686109500  | 0.197024050  | 0.167965390  | 0.186458020  |
| ## 55 | 0.0399028610  | 0.1946455700  | 0.374830000  | 0.062844185  | 0.316140290  |
| ## 56 | 0.1139044900  | 0.1916982400  | 0.459198930  | 0.124804250  | 0.356784250  |
| ## 57 | 0.0748770480  | 0.0070728761  | 0.354059960  | 0.202442680  | 0.353180710  |
| ## 58 | 0.0103701970  | 0.0568996080  | 0.281516420  | 0.010214388  | 0.450614160  |
| ## 59 | 0.0589082280  | 0.2618039500  | 0.287044080  | -0.005824570 | 0.429230020  |
| ## 60 | 0.0006850445  | 0.2821787100  | 0.316827260  | 0.168817100  | 0.229579280  |
| ## 61 | -0.2319261600 | 0.4838833900  | 0.255960830  | 0.253903900  | 0.171952370  |
| ## 62 | -0.1385761000 | 0.4770801500  | 0.223182400  | 0.206454500  | 0.248748280  |
| ## 63 | 0.1770801900  | 0.4380306600  | 0.116758620  | 0.179467980  | 0.049019432  |
| ## 64 | 0.1947616600  | 0.3683922700  | 0.234184340  | -0.021003262 | 0.320540610  |
| ## 65 | 0.2898407400  | -0.4186177700 | 0.403206880  | -0.013086799 | 0.714477700  |
| ## 66 | -0.1393791400 | 0.1918205800  | 0.102569100  | -0.054936179 | 0.307972530  |
| ## 67 | -0.2066142100 | 0.0897760370  | -0.470674970 | 0.022751067  | -0.244171430 |
| ## 68 | -0.1675541400 | 0.0363189470  | -0.486786980 | 0.056245454  | -0.248508510 |
| ## 69 | 0.1068004500  | -0.3558524000 | -0.511887320 | 0.279168880  | 0.118277190  |
| ## 70 | -0.0003802128 | -0.1995181900 | -0.107877520 | 0.044223966  | 0.323140800  |
| ## 71 | 0.1072777100  | -0.0295758590 | 0.117324140  | -0.351300410 | 0.050962263  |
| ## 72 | 0.1535966800  | 0.0164979800  | 0.132622780  | -0.379256850 | 0.008112599  |
| ## 73 | 0.2169462700  | -0.0947344900 | -0.336288040 | -0.139099170 | -0.533991210 |
| ## 74 | 0.4498609700  | 0.1345516300  | -0.267423520 | -0.088636745 | -0.069830164 |
| ## 75 | 0.3741423100  | 0.2693922600  | 0.089581547  | -0.005826052 | 0.182164350  |
| ## 76 | 0.0945136680  | 0.3180784200  | 0.375877020  | -0.084441899 | 0.522096530  |
| ## 77 | 0.2259050000  | 0.1830539800  | 0.270941280  | -0.077471070 | 0.382114330  |
| ## 78 | 0.1449930700  | 0.1337493900  | 0.194804450  | 0.076653390  | 0.215983270  |
| ## 79 | -0.2701345200 | 0.0693237610  | -0.440670140 | 0.347768660  | 0.052838987  |

|        |               |               |              |              |              |
|--------|---------------|---------------|--------------|--------------|--------------|
| ## 80  | -0.0134092710 | -0.0541877160 | -0.391608190 | 0.353942160  | 0.010456336  |
| ## 81  | 0.0092629302  | -0.0871090320 | -0.386635090 | 0.381152160  | -0.107648180 |
| ## 82  | -0.1729227900 | -0.0854016280 | -0.352896560 | 0.205226520  | 0.053152622  |
| ## 83  | -0.3175713600 | -0.0953275810 | -0.256008390 | 0.087072352  | 0.079688871  |
| ## 84  | -0.1399797000 | -0.2560091300 | -0.155056240 | -0.007437817 | 0.253048210  |
| ## 85  | -0.0267525900 | -0.2939990900 | -0.432218920 | 0.226976750  | 0.172951690  |
| ## 86  | -0.1256046500 | -0.0752099330 | -0.458840930 | 0.448830930  | -0.284087910 |
| ## 87  | 0.3070157900  | -0.0792269970 | -0.412718680 | 0.377455590  | -0.075324418 |
| ## 88  | 0.1577205100  | -0.0282269920 | -0.346841520 | 0.286512400  | 0.068581978  |
| ## 89  | -0.1151895500 | 0.0636361680  | -0.427591410 | 0.336143120  | -0.074949745 |
| ## 90  | -0.4004866400 | 0.1916363500  | -0.325069240 | 0.231015350  | -0.016453487 |
| ## 91  | -0.4953709100 | 0.2194376400  | -0.323562930 | 0.215601350  | -0.153233880 |
| ## 92  | -0.0343058900 | -0.1422962400 | -0.327395270 | 0.224020430  | 0.022084421  |
| ## 93  | 0.3097484900  | -0.2016398900 | -0.273797180 | 0.168899240  | 0.247510980  |
| ## 94  | 0.4583068400  | -0.1635309100 | -0.266375400 | 0.161391530  | 0.178210430  |
| ## 95  | 0.2064957100  | -0.0993482010 | -0.269441810 | 0.024480417  | 0.190756160  |
| ## 96  | 0.0939890800  | -0.0875575870 | -0.249549050 | 0.037436611  | 0.074680105  |
| ## 97  | 0.4353635000  | -0.1502634200 | -0.411429830 | 0.322652720  | -0.024621510 |
| ## 98  | 0.3433742800  | -0.0814428170 | -0.093902565 | -0.033498865 | 0.511400200  |
| ## 99  | 0.3313707400  | -0.1464630000 | -0.233861550 | 0.057988709  | 0.206040390  |
| ## 100 | 0.3835098400  | -0.1464024000 | -0.305144690 | 0.194583360  | 0.057467365  |
| ## 101 | 0.2606511200  | -0.0971497480 | -0.222079730 | 0.193832110  | 0.009361732  |
| ## 102 | 0.2984216900  | -0.0530336390 | -0.104497520 | 0.133708550  | 0.190367320  |
| ## 103 | 0.3409066300  | -0.4098060800 | -0.307827790 | 0.312086010  | 0.024310556  |
| ## 104 | -0.0763713160 | -0.1454724600 | -0.427978090 | 0.440865170  | -0.085333025 |
| ## 105 | -0.0547638450 | -0.0672833120 | -0.276696100 | 0.198616970  | 0.204210530  |
| ## 106 | -0.1574575100 | 0.0653275690  | -0.456864090 | 0.447657300  | -0.204492190 |
| ## 107 | 0.0529141990  | -0.0780719490 | -0.663381120 | 0.804934880  | -0.610244720 |
| ## 108 | 0.3157471200  | -0.0989606470 | -0.240256550 | 0.088162965  | 0.309449590  |
| ## 109 | 0.3127901800  | 0.0139026880  | -0.186850590 | 0.075246625  | 0.303870840  |
| ## 110 | 0.2516966500  | 0.0937764860  | -0.385243840 | 0.369809750  | -0.122567360 |
| ## 111 | 0.2612250700  | -0.0293549420 | -0.343594000 | 0.354985920  | -0.103543640 |
| ## 112 | -0.1211593500 | -0.0183671540 | -0.071088994 | -0.023550783 | 0.390569490  |
| ## 113 | 0.0336517270  | 0.0094750445  | -0.232815530 | 0.025872634  | 0.229161460  |
| ## 114 | -0.0686247930 | -0.0009385069 | -0.424012210 | 0.445010500  | -0.341929890 |
| ## 115 | -0.2892424900 | 0.0653438980  | -0.494297950 | 0.422927390  | -0.238989650 |
| ## 116 | -0.0227406480 | -0.0970976410 | -0.541181700 | 0.399999210  | 0.042951985  |
| ## 117 | -0.0152414860 | -0.1056108700 | -0.645448950 | 0.686082730  | -0.303309150 |
| ## 118 | -0.1926928100 | 0.0540440220  | -0.232738720 | 0.204201300  | 0.048324847  |
| ## 119 | 0.0467710710  | 0.0354932700  | 0.020360455  | -0.161137980 | 0.332077320  |
| ## 120 | 0.0019213023  | 0.1210659300  | -0.065707342 | -0.111250000 | 0.269952590  |
| ## 121 | 0.0686445470  | 0.1529265200  | -0.290252860 | 0.189820130  | 0.102122360  |
| ## 122 | 0.2579489500  | -0.0431174380 | 0.170780200  | -0.298162690 | 0.481847400  |
| ## 123 | 0.1204215600  | 0.0330179540  | 0.160903520  | -0.346278130 | 0.483142110  |
| ## 124 | 0.0717568370  | 0.0145404430  | -0.364960960 | 0.183631670  | 0.134124750  |
| ## 125 | 0.0673753550  | -0.1079256600 | -0.486090370 | 0.387964580  | 0.016420750  |
| ## 126 | 0.1376407000  | -0.1511527700 | -0.333942150 | 0.474071240  | -0.256295120 |
| ## 127 | 0.0450785440  | -0.2233714000 | -0.227050380 | 0.317501420  | -0.029859174 |
| ## 128 | -0.0617892450 | -0.2352374900 | -0.304825560 | 0.206273300  | 0.115866060  |
| ## 129 | -0.0688536760 | -0.2601838500 | -0.495415960 | 0.483169310  | -0.357054810 |



|        |               |               |              |              |              |
|--------|---------------|---------------|--------------|--------------|--------------|
| ## 130 | -0.0209925240 | -0.2252382200 | -0.423039700 | 0.490535800  | -0.427950220 |
| ## 131 | -0.1339152900 | -0.1991325600 | -0.344908720 | 0.409752080  | -0.160718630 |
| ## 132 | -0.5626332700 | 0.1004198400  | -0.177035930 | 0.175942560  | 0.215039130  |
| ## 133 | -0.4983785400 | 0.1335157300  | -0.005740916 | -0.040956806 | 0.636810860  |
| ## 134 | -0.2796343900 | -0.1237498600 | -0.112464670 | -0.012372456 | 0.554886180  |
| ## 135 | 0.0546959830  | -0.0916886980 | -0.224345310 | 0.297322750  | -0.271311360 |
| ## 136 | -0.0328080960 | -0.0993660010 | -0.186774680 | 0.242329030  | 0.033831559  |
| ## 137 | 0.1771691500  | -0.1479953000 | -0.290179150 | 0.051275070  | 0.373043080  |
| ## 138 | 0.0505906680  | -0.0642061320 | -0.380308500 | 0.119962450  | 0.349247810  |
| ## 139 | -0.1609001300 | -0.0972469610 | -0.592211990 | 0.601587800  | -0.386194400 |
| ## 140 | -0.3133016900 | -0.2078303200 | -0.548637380 | 0.539615300  | -0.263505600 |
| ## 141 | 0.0006119561  | -0.1137971400 | -0.158799430 | 0.213735220  | 0.105656800  |
| ## 142 | 0.0059548178  | -0.1593316900 | -0.020262547 | 0.144141230  | 0.130638590  |
| ## 143 | 0.3013196700  | -0.3793565200 | -0.235715170 | 0.238798270  | 0.128257160  |
| ## 144 | 0.0031007289  | -0.2582981400 | -0.070675325 | 0.079097642  | 0.277243470  |
| ## 145 | 0.0424009870  | -0.2458876600 | -0.180080470 | 0.044885075  | 0.232367330  |
| ## 146 | -0.1255758500 | 0.0100051480  | -0.240876010 | 0.197353850  | 0.175982320  |
| ## 147 | -0.1580625900 | 0.1404411700  | -0.110459570 | -0.075870562 | 0.251911340  |
| ## 148 | 0.3281983300  | -0.1150013800 | -0.362169040 | 0.183177610  | 0.028288065  |
| ## 149 | 0.1598383700  | -0.0950691810 | -0.092953961 | 0.017603879  | 0.314187480  |
| ## 150 | -0.1326198400 | -0.1259669200 | -0.042388252 | 0.141170030  | 0.374506640  |
| ## 151 | 0.2668999500  | 0.0678286520  | -0.193595500 | -0.163371590 | -0.002442738 |
| ## 152 | 0.1801007700  | -0.0448739700 | -0.081602462 | -0.348138020 | -0.054573395 |
| ## 153 | 0.0967238480  | -0.0624486680 | -0.375867320 | 0.092753004  | -0.112035170 |
| ## 154 | 0.0640996210  | -0.1778441800 | -0.307966160 | 0.088210120  | -0.067520101 |
| ## 155 | 0.1085483200  | -0.2967958600 | -0.380809210 | 0.098897016  | 0.185756910  |
| ## 156 | -0.1278178700 | -0.0930582920 | -0.602377150 | 0.301592620  | 0.039912308  |
| ## 157 | 0.2025849700  | -0.1758092600 | -0.566390030 | 0.350292740  | -0.161370260 |
| ## 158 | 0.3753878500  | -0.1548287500 | -0.376075790 | 0.183028520  | -0.020979194 |
| ## 159 | 0.3588287300  | -0.3817174600 | -0.413559210 | 0.106498720  | 0.039436209  |
| ## 160 | -0.0255171540 | -0.2196429300 | -0.405041190 | 0.135252580  | -0.027884770 |
| ## 161 | -0.0456794520 | 0.0261950350  | -0.251888380 | -0.142254600 | 0.396355980  |
| ## 162 | -0.0952232130 | 0.0437843320  | -0.208529730 | -0.212856290 | 0.414487050  |
| ## 163 | 0.0727073940  | -0.1514687100 | -0.482965480 | 0.285580020  | -0.066880698 |
| ## 164 | 0.0927574720  | -0.0527575840 | -0.223157960 | -0.036827961 | 0.268496790  |
| ## 165 | 0.0569734000  | -0.1143251900 | -0.184504800 | -0.120284840 | 0.410844150  |
| ## 166 | 0.1300933000  | -0.2787317400 | -0.422591400 | 0.034581290  | 0.379935320  |
| ## 167 | -0.0257770880 | -0.2852343800 | -0.290051500 | -0.098533294 | 0.238781800  |
| ## 168 | 0.1552234700  | -0.3029350900 | -0.501261350 | 0.361067750  | -0.308771900 |
| ## 169 | -0.2399116900 | -0.1367516400 | -0.499464940 | 0.385580770  | -0.204746240 |
| ## 170 | -0.4742873800 | -0.0202033970 | -0.513063920 | 0.348333440  | -0.192948280 |
| ## 171 | 0.0589593940  | -0.1685111800 | -0.491598570 | 0.128378750  | 0.035091153  |
| ## 172 | 0.2420350300  | -0.3585305400 | -0.498077110 | 0.285477090  | 0.074810302  |
| ## 173 | -0.0804182170 | -0.2108796100 | -0.518326380 | 0.256883760  | 0.279344010  |
| ## 174 | -0.3910388700 | -0.0310670780 | -0.508794480 | 0.152916050  | 0.305879840  |
| ## 175 | 0.0553585130  | -0.2210542100 | -0.448287120 | 0.179942980  | 0.124288990  |
| ## 176 | 0.4188277800  | 0.1454781200  | -0.198783740 | 0.022195846  | 0.432502790  |
| ## 177 | 0.5126463800  | -0.0690345540 | 0.392786620  | -0.431960510 | 0.626171320  |
| ##     | NA            | NA            | NA           | NA           | NA           |
| ## 1   | 0.37343945    | 0.341777520   | -0.569791190 | 0.265398820  | -0.477874890 |

|       |             |              |              |              |              |
|-------|-------------|--------------|--------------|--------------|--------------|
| ## 2  | 0.41354814  | 0.122215680  | 0.180613040  | 0.047423999  | 0.166572680  |
| ## 3  | 0.43762317  | 0.257890870  | 0.070029640  | 0.186972990  | 0.246799660  |
| ## 4  | 0.48424363  | 0.357657140  | -0.187032480 | 0.298068720  | 0.451869550  |
| ## 5  | 0.41796623  | 0.389537120  | -0.030309087 | 0.163261250  | 0.180188860  |
| ## 6  | 0.35197600  | 0.368688950  | 0.043385337  | 0.147311490  | 0.299171950  |
| ## 7  | 0.17978786  | 0.292929790  | 0.155419740  | 0.243546920  | 0.611886550  |
| ## 8  | 0.27401695  | 0.290997430  | 0.169373530  | 0.331684350  | 0.530159430  |
| ## 9  | 0.48265016  | 0.279285520  | -0.018772526 | 0.200535100  | 0.171020520  |
| ## 10 | 0.38970210  | -0.027805781 | 0.184722390  | -0.224846040 | 0.213398800  |
| ## 11 | 0.32016688  | 0.108127000  | 0.053048033  | 0.019117653  | 0.222991870  |
| ## 12 | 0.35596286  | 0.379700910  | 0.011049791  | 0.342493500  | 0.324147080  |
| ## 13 | 0.22053782  | 0.120245250  | 0.251561920  | 0.019340305  | 0.188900140  |
| ## 14 | 0.35107044  | 0.053632484  | 0.276308850  | -0.034907489 | 0.315414730  |
| ## 15 | 0.15318688  | -0.063728765 | 0.123007330  | -0.202965690 | 0.300392270  |
| ## 16 | 0.07363486  | 0.358838870  | -0.058505796 | 0.172559460  | 0.167273770  |
| ## 17 | 0.44336005  | 0.221146300  | -0.043595976 | -0.075016918 | 0.362965970  |
| ## 18 | 0.45729766  | 0.071740053  | 0.194483230  | 0.001854289  | 0.378439300  |
| ## 19 | 0.34605810  | 0.316234350  | -0.056543124 | 0.226576370  | 0.608030450  |
| ## 20 | 0.50693909  | 0.345484110  | -0.148923330 | 0.164761800  | 0.564865090  |
| ## 21 | 0.73832650  | 0.223935870  | 0.132405630  | 0.057648496  | 0.236142420  |
| ## 22 | 0.59065141  | 0.337353970  | 0.183389420  | 0.193148100  | 0.166368680  |
| ## 23 | 0.84921665  | 0.438246470  | 0.074144120  | 0.340347630  | 0.287029100  |
| ## 24 | 0.63930153  | 0.258648430  | 0.015136761  | 0.119021970  | 0.172278280  |
| ## 25 | 0.55601852  | 0.382405140  | 0.121737560  | 0.149600960  | -0.119699130 |
| ## 26 | 0.62326976  | 0.315168050  | 0.256598910  | 0.057758330  | 0.144313370  |
| ## 27 | 0.54548582  | 0.376621900  | 0.197245610  | 0.181551570  | 0.316971150  |
| ## 28 | -0.05601575 | -0.136791980 | -0.389470070 | -0.217090790 | -0.368110800 |
| ## 29 | -0.19508083 | 0.404561570  | -0.152035850 | 0.208434370  | 0.064044182  |
| ## 30 | 0.36294314  | 0.295589980  | -0.024267349 | 0.131697930  | 0.261898000  |
| ## 31 | 0.46428771  | -0.601662930 | 0.095366401  | -0.656709250 | 0.244492350  |
| ## 32 | 0.42218320  | -0.597748940 | 0.121848180  | -0.589910080 | 0.085652898  |
| ## 33 | 0.18795733  | -0.466013740 | 0.111892790  | -0.372541440 | -0.368244890 |
| ## 34 | 0.19301084  | -0.040690532 | 0.001166918  | -0.225457400 | 0.228731170  |
| ## 35 | 0.34083253  | 0.163912450  | -0.118887810 | -0.011818866 | 0.418732690  |
| ## 36 | 0.20861416  | 0.167704680  | 0.183135000  | -0.071092449 | 0.345690250  |
| ## 37 | 0.37636100  | 0.158226460  | 0.351536160  | -0.023786403 | 0.263300270  |
| ## 38 | 0.45630173  | 0.116361920  | 0.222114850  | 0.013048376  | 0.159716530  |
| ## 39 | 0.04502327  | 0.227140460  | -0.037222516 | 0.077581665  | 0.088580315  |
| ## 40 | 0.05921153  | 0.297450810  | -0.008035883 | 0.209837710  | 0.327291970  |
| ## 41 | 0.40535728  | 0.431633230  | -0.174837080 | 0.298267910  | 0.519130760  |
| ## 42 | 0.50069516  | 0.331259990  | -0.001149236 | 0.309074350  | 0.378865610  |
| ## 43 | 0.53811411  | 0.331334250  | 0.115178090  | 0.182360400  | 0.377971300  |
| ## 44 | 0.59611885  | 0.384246530  | -0.061855240 | 0.209918570  | 0.244593140  |
| ## 45 | 0.49040338  | 0.277690880  | -0.096574425 | 0.273471020  | 0.007414692  |
| ## 46 | 0.41140965  | 0.234454590  | -0.061155888 | 0.261142490  | 0.310387800  |
| ## 47 | 0.24818433  | 0.353126740  | -0.063430113 | 0.257837470  | 0.321496150  |
| ## 48 | 0.30388781  | 0.197176700  | 0.012985808  | 0.003283997  | 0.280920970  |
| ## 49 | 0.37916558  | -0.033125360 | 0.174984960  | -0.275327990 | 0.439246380  |
| ## 50 | 0.26656133  | 0.108162310  | 0.119425070  | 0.037704871  | 0.144589870  |
| ## 51 | 0.51665502  | 0.618408910  | -0.025992448 | 0.527183740  | 0.235231260  |

|        |             |              |              |              |              |
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| ## 52  | 0.32225892  | -0.010499295 | -0.092176186 | -0.046172202 | -0.210219240 |
| ## 53  | 0.71653632  | 0.166111170  | 0.164941100  | -0.058063542 | 0.224156110  |
| ## 54  | 0.66852309  | 0.230790600  | -0.056355264 | 0.099691735  | 0.063886900  |
| ## 55  | 0.20964690  | 0.560960930  | -0.094518340 | 0.320587590  | 0.196632340  |
| ## 56  | 0.42905740  | 0.264499120  | 0.195171090  | 0.034509841  | 0.372380850  |
| ## 57  | 0.61192892  | 0.229480240  | 0.089001259  | 0.220033190  | -0.055327553 |
| ## 58  | 0.38813878  | 0.426723310  | -0.060558795 | 0.230288150  | 0.068526722  |
| ## 59  | 0.38796825  | 0.346281180  | -0.097567312 | 0.093478652  | 0.157796920  |
| ## 60  | 0.65618972  | 0.266407040  | -0.058316226 | 0.195399700  | -0.195557580 |
| ## 61  | 0.76082060  | 0.430748570  | -0.039583095 | 0.229150170  | 0.015283233  |
| ## 62  | 0.46571841  | 0.393163600  | -0.001549568 | 0.190624860  | 0.130724300  |
| ## 63  | 0.57888528  | 0.332368750  | 0.072924952  | 0.163949420  | 0.162266930  |
| ## 64  | 0.35807227  | 0.325285090  | 0.161587950  | 0.219367340  | 0.231811580  |
| ## 65  | -0.23129159 | 0.193873510  | -0.232786760 | 0.147475740  | -0.274497470 |
| ## 66  | -0.09073992 | 0.202160130  | 0.093601545  | 0.114724620  | -0.146075430 |
| ## 67  | 0.52487077  | -0.567292250 | 0.408558910  | -0.955494460 | 0.332696510  |
| ## 68  | 0.49140003  | -0.545875330 | 0.363875150  | -0.916994500 | 0.271343940  |
| ## 69  | -0.10705541 | -0.256493610 | -0.122696610 | -0.385066260 | -0.213843150 |
| ## 70  | -0.02841846 | -0.239910410 | 0.002862870  | -0.027366440 | -0.260678990 |
| ## 71  | 0.02301193  | 0.149120210  | -0.782782290 | -0.059026150 | 0.499374060  |
| ## 72  | -0.03756946 | 0.166368390  | -0.799068630 | -0.088951502 | 0.608015290  |
| ## 73  | 0.64749924  | 0.109095270  | 0.042768558  | -0.193943610 | 0.642379700  |
| ## 74  | -0.30226853 | 0.155644040  | -0.034376868 | 0.197623980  | 0.150929730  |
| ## 75  | -0.03870774 | 0.236519470  | -0.054174817 | 0.387368710  | 0.157623260  |
| ## 76  | 0.03149619  | 0.144585650  | 0.056124257  | 0.074547278  | 0.220995850  |
| ## 77  | 0.28335533  | 0.376491920  | 0.048974172  | 0.235329520  | 0.444356820  |
| ## 78  | 0.54494466  | 0.404704360  | 0.048476494  | 0.260861120  | 0.476306060  |
| ## 79  | 0.35293063  | -0.219078860 | 0.148345200  | -0.044109892 | -0.123718280 |
| ## 80  | 0.37066398  | -0.298628700 | 0.239686140  | -0.013087758 | -0.148445370 |
| ## 81  | 0.43757424  | -0.102995470 | 0.063646258  | 0.235085640  | -0.279975690 |
| ## 82  | 0.46538243  | -0.267334170 | 0.242754750  | -0.028220360 | -0.154872890 |
| ## 83  | 0.44932482  | -0.291857170 | 0.237659230  | -0.049578837 | -0.150802140 |
| ## 84  | 0.41441040  | -0.152788320 | 0.159225680  | -0.013636186 | -0.068493218 |
| ## 85  | 0.28874743  | -0.293088930 | 0.330194530  | -0.222562730 | -0.033473286 |
| ## 86  | 0.69597703  | -0.025844437 | 0.047515602  | 0.194080600  | -0.255411290 |
| ## 87  | 0.38717181  | -0.324280580 | 0.140679280  | 0.061217451  | -0.237263950 |
| ## 88  | 0.34023065  | -0.294216720 | 0.366464510  | -0.097122929 | -0.056045647 |
| ## 89  | 0.40571892  | 0.038875884  | 0.066204138  | 0.185895010  | -0.118253280 |
| ## 90  | 0.53592508  | 0.068917299  | -0.010508735 | 0.287282200  | -0.231963200 |
| ## 91  | 0.64309390  | -0.338221640 | 0.380483980  | -0.086145746 | -0.160494720 |
| ## 92  | 0.43448498  | -0.477662530 | 0.547027270  | -0.227211380 | -0.080933778 |
| ## 93  | 0.28100995  | 0.018457498  | 0.145305590  | 0.152725730  | 0.054577011  |
| ## 94  | 0.37763997  | 0.212407010  | -0.064375168 | 0.249558340  | 0.297513310  |
| ## 95  | 0.47185163  | 0.002574833  | -0.056989411 | 0.367104690  | -0.028478777 |
| ## 96  | 0.58979179  | -0.072427468 | 0.016070451  | 0.110833630  | 0.062291063  |
| ## 97  | 0.35336951  | -0.123483920 | 0.030593440  | 0.161452280  | -0.165123970 |
| ## 98  | 0.23514129  | -0.255169660 | 0.269698440  | -0.042344707 | -0.281744110 |
| ## 99  | 0.41752494  | -0.054106094 | -0.003825680 | 0.147643410  | -0.198959810 |
| ## 100 | 0.43352545  | 0.168118570  | -0.118563540 | 0.209248600  | -0.049894534 |
| ## 101 | 0.54740297  | 0.053938603  | 0.040569052  | 0.130929870  | -0.045264810 |

|        |            |              |              |              |              |
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| ## 102 | 0.50759658 | -0.153306880 | 0.243392460  | 0.057867089  | -0.096017211 |
| ## 103 | 0.37297986 | -0.262372590 | 0.234864090  | 0.127659700  | -0.364748940 |
| ## 104 | 0.38037716 | -0.370386100 | 0.221122920  | 0.196564510  | -0.544616390 |
| ## 105 | 0.33968781 | -0.260741730 | 0.076982268  | 0.270400360  | -0.440378950 |
| ## 106 | 0.50725188 | -0.095883296 | 0.071659717  | -0.101342120 | 0.038186894  |
| ## 107 | 0.72167858 | -0.290577850 | 0.348369140  | -0.271546920 | -0.075403675 |
| ## 108 | 0.29602253 | -0.206580700 | 0.186435690  | -0.019746938 | -0.159437040 |
| ## 109 | 0.29604945 | -0.073545406 | 0.047627141  | 0.200510360  | -0.022897394 |
| ## 110 | 0.50325349 | -0.002947852 | 0.019715642  | 0.143061690  | 0.036578780  |
| ## 111 | 0.54366044 | -0.017944351 | -0.079218283 | 0.179754690  | -0.044012601 |
| ## 112 | 0.36068749 | 0.069093644  | 0.070368161  | 0.217131460  | -0.098654517 |
| ## 113 | 0.37719138 | 0.322906470  | -0.307555350 | 0.490171390  | -0.189280870 |
| ## 114 | 0.66952249 | 0.041568912  | 0.064812051  | 0.122688430  | -0.229509330 |
| ## 115 | 0.54517475 | 0.009329724  | 0.025649026  | 0.041526437  | -0.174262890 |
| ## 116 | 0.26107156 | -0.085272320 | 0.023486832  | 0.184824490  | -0.313740620 |
| ## 117 | 0.43795080 | -0.487112190 | 0.502060410  | -0.242512260 | -0.181002270 |
| ## 118 | 0.61604424 | -0.433028080 | 0.426959620  | -0.339921840 | -0.035101812 |
| ## 119 | 0.65911154 | -0.397574180 | 0.379164940  | -0.343544360 | -0.028920438 |
| ## 120 | 0.56456378 | -0.691117130 | 0.689192710  | -0.581113320 | 0.049911381  |
| ## 121 | 0.40809845 | -0.653371460 | 0.583158680  | -0.560252030 | 0.083279677  |
| ## 122 | 0.59282318 | -0.419225370 | 0.368184770  | -0.411492480 | -0.050968284 |
| ## 123 | 0.67066350 | -0.431140010 | 0.388114270  | -0.219273760 | -0.152186270 |
| ## 124 | 0.42587634 | -0.427171120 | 0.233569540  | -0.007277154 | -0.233373470 |
| ## 125 | 0.36022508 | -0.192804500 | 0.029483917  | 0.095888449  | -0.176758210 |
| ## 126 | 0.50545192 | -0.094357760 | 0.276481300  | 0.199904260  | -0.090559593 |
| ## 127 | 0.37921140 | 0.062552648  | 0.381373850  | -0.032552730 | 0.196617040  |
| ## 128 | 0.24512103 | 0.092101755  | 0.363212890  | 0.030227880  | 0.177813490  |
| ## 129 | 0.52318003 | 0.075517371  | 0.323840710  | 0.060966958  | -0.024145777 |
| ## 130 | 0.70676361 | -0.027505144 | 0.433782550  | -0.067708584 | 0.223325930  |
| ## 131 | 0.57496295 | -0.250045010 | 0.615391900  | -0.183481020 | 0.364460040  |
| ## 132 | 0.38203730 | -0.053525441 | 0.504901290  | 0.041757094  | 0.336853760  |
| ## 133 | 0.23672223 | 0.296395100  | 0.090697993  | 0.436771140  | 0.202742550  |
| ## 134 | 0.22747767 | 0.434694680  | 0.115027850  | 0.433612470  | 0.276334490  |
| ## 135 | 0.71100720 | 0.271708240  | 0.024794932  | 0.341329290  | 0.155760800  |
| ## 136 | 0.41421321 | -0.073813857 | 0.333810050  | -0.037230609 | 0.474236900  |
| ## 137 | 0.09976587 | 0.135553780  | 0.209244980  | 0.194105490  | 0.459677510  |
| ## 138 | 0.09552600 | -0.234082010 | 0.590222330  | -0.273211910 | 0.263305580  |
| ## 139 | 0.14863545 | -0.296963410 | 0.622172670  | -0.363971810 | 0.325461280  |
| ## 140 | 0.19138238 | -0.095135266 | 0.315152450  | 0.065167608  | 0.236428070  |
| ## 141 | 0.19264949 | 0.121749340  | 0.223046260  | 0.235120290  | 0.205564290  |
| ## 142 | 0.15559415 | 0.125363550  | 0.172438680  | 0.233500060  | 0.106566370  |
| ## 143 | 0.36897034 | -0.019334812 | 0.298902650  | 0.080182524  | 0.197279950  |
| ## 144 | 0.41965093 | 0.015247058  | 0.304817180  | 0.066301473  | 0.234095580  |
| ## 145 | 0.53542706 | -0.336423750 | 0.466478250  | -0.030767912 | 0.127296260  |
| ## 146 | 0.33956829 | -0.279274570 | 0.389452010  | -0.033190503 | 0.158247930  |
| ## 147 | 0.32459247 | -0.211375970 | 0.387127870  | -0.064935533 | 0.192310420  |
| ## 148 | 0.25417489 | 0.044728051  | 0.211304740  | 0.263591280  | 0.047602302  |
| ## 149 | 0.16054196 | 0.249025190  | 0.057415677  | 0.491778760  | -0.022048109 |
| ## 150 | 0.33440217 | 0.189686520  | 0.052065784  | 0.472738600  | 0.044097734  |
| ## 151 | 0.29836294 | -0.678289740 | 0.266563230  | 0.143305280  | -0.640772640 |

|        |              |              |              |               |              |
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| ## 152 | 0.42307537   | -0.734217840 | 0.393520160  | -0.236270010  | -0.211716550 |
| ## 153 | 0.33256994   | -0.549194090 | 0.148329090  | -0.248342580  | -0.152990270 |
| ## 154 | 0.41792301   | -0.429729930 | 0.195809910  | -0.421349810  | -0.084729178 |
| ## 155 | 0.12523494   | -0.607530830 | 0.367175180  | -0.241508360  | -0.327543450 |
| ## 156 | 0.03947994   | -0.636118950 | 0.295394310  | -0.102922510  | -0.467725410 |
| ## 157 | 0.22209186   | -0.172828700 | -0.176481590 | -0.038134311  | -0.047729068 |
| ## 158 | 0.12024824   | -0.200980430 | -0.164919980 | -0.035500504  | -0.067001274 |
| ## 159 | 0.08875714   | -0.200414850 | -0.120364070 | -0.034946868  | -0.137212540 |
| ## 160 | 0.04383722   | -0.541306150 | 0.111408390  | -0.012827324  | -0.345616850 |
| ## 161 | -0.09979715  | -0.719620180 | 0.427561030  | -0.189675580  | -0.399881270 |
| ## 162 | -0.04442288  | -0.510747130 | 0.250827270  | -0.195848950  | -0.295188970 |
| ## 163 | 0.14570074   | -0.263571090 | -0.099781607 | -0.133497310  | -0.193581560 |
| ## 164 | 0.10494152   | -0.451004730 | 0.036601581  | -0.066157572  | -0.376547260 |
| ## 165 | -0.04566949  | -0.613706900 | 0.191006300  | -0.203327200  | -0.528722250 |
| ## 166 | -0.27572003  | -0.485026150 | 0.032244392  | -0.047405960  | -0.511715150 |
| ## 167 | 0.13644867   | -0.304131020 | -0.117830390 | -0.040739458  | -0.362549710 |
| ## 168 | 0.17637221   | -0.308749240 | -0.298065250 | 0.046198183   | -0.176272080 |
| ## 169 | 0.15108311   | -0.341265500 | -0.039080990 | -0.106541300  | -0.160328550 |
| ## 170 | 0.18883605   | -0.209148100 | -0.079305006 | -0.089753897  | -0.310505100 |
| ## 171 | 0.17968393   | -0.200610600 | -0.166245420 | -0.032232152  | -0.266766720 |
| ## 172 | 0.16894136   | -0.346175290 | 0.067420362  | -0.227624840  | -0.024186171 |
| ## 173 | -0.15993388  | -0.378151450 | 0.015951072  | -0.150465820  | -0.396655490 |
| ## 174 | -0.03982643  | -0.168009940 | -0.314427610 | 0.114761180   | -0.554547370 |
| ## 175 | 0.25224139   | -0.130779410 | -0.342894630 | -0.020119451  | -0.329285460 |
| ## 176 | 0.16227792   | -0.349283050 | 0.064317371  | -0.174702790  | -0.448000450 |
| ## 177 | 0.12292654   | 0.342757310  | -0.390783550 | 0.174989520   | -0.092535098 |
| ##     | NA           | NA           | NA           | NA            | NA           |
| ## 1   | -0.385300500 | 0.033643943  | -0.126510820 | -0.0061008489 | -0.031364791 |
| ## 2   | -0.208772180 | 0.084103799  | -0.268553900 | -0.0161116200 | -0.083893777 |
| ## 3   | -0.120104660 | -0.110025630 | -0.039952746 | -0.0316982940 | -0.102335420 |
| ## 4   | -0.127495150 | -0.083278359 | 0.457059830  | -0.0434099830 | -0.091386182 |
| ## 5   | -0.272883600 | 0.103064750  | 0.064729309  | -0.0339604160 | -0.074708034 |
| ## 6   | -0.374610950 | 0.041825695  | -0.111782090 | -0.0287755080 | -0.070393108 |
| ## 7   | 0.108143230  | 0.254551660  | 0.264624870  | -0.0286002510 | -0.083046734 |
| ## 8   | 0.209936320  | 0.303799460  | 0.191844380  | -0.0242002620 | -0.077892610 |
| ## 9   | -0.301465540 | -0.060574147 | 0.064353480  | -0.0248310250 | -0.066401639 |
| ## 10  | 0.106665680  | 0.136307120  | 0.440077090  | -0.0234154000 | -0.070925683 |
| ## 11  | 0.205178850  | 0.256964840  | 0.281471610  | -0.0247082550 | -0.068884585 |
| ## 12  | -0.262583610 | 0.115339800  | -0.303204080 | -0.0311731580 | -0.074666711 |
| ## 13  | -0.093111521 | -0.184569230 | -0.166531600 | -0.0291686110 | -0.075944066 |
| ## 14  | -0.218120130 | 0.030357820  | -0.110299310 | -0.0270870930 | -0.071831343 |
| ## 15  | -0.235410180 | -0.038076262 | 0.193140370  | -0.0105482010 | 0.157054250  |
| ## 16  | -0.002551633 | -0.074397453 | 0.116398260  | -0.0158108590 | 0.027702205  |
| ## 17  | -0.097228401 | 0.047331418  | -0.157477700 | -0.0134068160 | -0.046264419 |
| ## 18  | -0.098731431 | 0.060070412  | -0.261706510 | -0.0127250970 | -0.077761376 |
| ## 19  | 0.031554035  | 0.159745430  | -0.037604755 | -0.0246423600 | -0.087790863 |
| ## 20  | -0.053548189 | 0.375932970  | 0.254196560  | -0.0294619130 | -0.084376762 |
| ## 21  | -0.158677720 | 0.239963290  | 0.099502630  | -0.0298149330 | -0.078706495 |
| ## 22  | -0.131843120 | 0.474658650  | -0.012174827 | -0.0291788900 | -0.079554020 |
| ## 23  | -0.209320550 | 0.406195270  | -0.002821985 | -0.0281536990 | -0.076118947 |

|       |              |              |              |               |              |
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| ## 24 | -0.162668880 | 0.263444930  | 0.042514980  | -0.0272209350 | -0.069195151 |
| ## 25 | -0.129360610 | 0.305137030  | 0.033019343  | -0.0249607010 | -0.071607144 |
| ## 26 | -0.101277660 | 0.432370290  | -0.026853834 | -0.0273727390 | -0.075304300 |
| ## 27 | -0.092575488 | 0.369454710  | 0.094403698  | -0.0305296170 | -0.074705186 |
| ## 28 | 0.063643890  | 0.119027570  | 0.396556490  | -0.0464896660 | -0.282897940 |
| ## 29 | -0.363540450 | -0.240163420 | 0.155448030  | -0.0484083800 | -0.239173860 |
| ## 30 | -0.437101210 | -0.132440740 | 0.197492770  | -0.0394119360 | -0.166747870 |
| ## 31 | -0.547728250 | -0.254727620 | -0.204399180 | -0.0377316410 | 0.021333829  |
| ## 32 | -0.465716320 | -0.242341860 | -0.126358650 | -0.0038232806 | 0.019187316  |
| ## 33 | -0.214261830 | -0.154990610 | 0.092326309  | -0.0045972195 | -0.156696110 |
| ## 34 | -0.498964020 | -0.036378221 | -0.094961035 | -0.0426815420 | -0.152633430 |
| ## 35 | -0.508495140 | 0.107459460  | 0.079505921  | -0.0415567130 | -0.113257980 |
| ## 36 | -0.157222170 | 0.373563710  | 0.285968130  | -0.0354576770 | -0.091001714 |
| ## 37 | -0.235739310 | 0.256845460  | 0.215853470  | -0.0309191370 | -0.074625079 |
| ## 38 | -0.162545820 | -0.023392231 | -0.113579550 | -0.0282019870 | -0.072296089 |
| ## 39 | 0.056420447  | 0.030212806  | -0.119021570 | -0.2250394600 | -0.133158860 |
| ## 40 | -0.259052820 | -0.036388908 | -0.020750148 | -0.1493380800 | -0.107575560 |
| ## 41 | -0.355717250 | 0.019556596  | -0.011108780 | -0.0793661120 | -0.094869929 |
| ## 42 | -0.182918030 | -0.099165656 | -0.005846375 | -0.0378247330 | -0.076526530 |
| ## 43 | 0.010472500  | 0.232837940  | 0.155417990  | -0.0210748000 | -0.072633665 |
| ## 44 | -0.049165008 | 0.520191020  | 0.157125380  | -0.0174946200 | -0.073362144 |
| ## 45 | -0.131069230 | 0.255001820  | 0.069397459  | -0.0204947850 | -0.069807644 |
| ## 46 | -0.304279450 | 0.356131670  | -0.026198369 | -0.0246441440 | -0.070023979 |
| ## 47 | -0.161880000 | 0.300205190  | -0.170015350 | -0.0263386700 | -0.074526058 |
| ## 48 | -0.026581153 | 0.123732890  | -0.219040920 | -0.0280214810 | -0.074033170 |
| ## 49 | 0.023903090  | 0.145420180  | -0.294621760 | -0.0286992320 | -0.075571862 |
| ## 50 | 0.048057130  | 0.071610674  | -0.221873070 | -0.0280060840 | -0.076306270 |
| ## 51 | -0.090188720 | 0.281259730  | -0.093608608 | -0.0282116640 | -0.072544173 |
| ## 52 | 0.815406500  | 0.184348570  | 0.097213860  | 0.0315519540  | -0.131995140 |
| ## 53 | 0.028894766  | 0.280025040  | -0.220895720 | 0.0092571098  | -0.078793121 |
| ## 54 | -0.269252230 | 0.499018670  | -0.166835580 | -0.0134243890 | -0.075370833 |
| ## 55 | -0.487434860 | 0.669506610  | -0.462894490 | -0.0249598100 | -0.076133944 |
| ## 56 | -0.242978590 | 0.457454050  | -0.469867700 | -0.0295503870 | -0.068085138 |
| ## 57 | 0.173867190  | 0.224301860  | -0.101137030 | -0.0304311470 | -0.073488076 |
| ## 58 | 0.049467893  | 0.071982262  | -0.136875490 | -0.0297963300 | -0.071422989 |
| ## 59 | -0.290174370 | 0.113465760  | -0.171019550 | -0.0288541800 | -0.072704386 |
| ## 60 | -0.275149550 | 0.163374390  | -0.007425133 | -0.0277371350 | -0.075772812 |
| ## 61 | -0.204722000 | 0.152413390  | -0.035244753 | -0.0274154380 | -0.076236511 |
| ## 62 | -0.157766990 | 0.214927550  | -0.077605724 | -0.0275579170 | -0.074717452 |
| ## 63 | -0.166440740 | 0.188578450  | -0.346804520 | -0.0281896880 | -0.075922288 |
| ## 64 | -0.194117650 | -0.020017427 | -0.295073660 | -0.0279483240 | -0.075748823 |
| ## 65 | -0.131715090 | -0.547200640 | 0.394759450  | 0.2020498200  | 0.040694905  |
| ## 66 | -0.082276665 | 0.189547810  | 0.099270797  | 0.1186012000  | -0.018781307 |
| ## 67 | 0.539830510  | 0.364180620  | 0.505775480  | -0.0593797790 | 0.088092240  |
| ## 68 | 0.531973990  | 0.301641800  | 0.437498370  | -0.0359611920 | -0.034605486 |
| ## 69 | 0.093499711  | -0.274417700 | -0.291816810 | 0.0821332120  | -0.243235220 |
| ## 70 | 0.098248049  | -0.329882660 | -0.178498240 | -0.0369361030 | -0.057546422 |
| ## 71 | 0.485130380  | 0.290926460  | 0.712753600  | -0.2378248200 | 0.001320819  |
| ## 72 | 0.536875270  | 0.358317940  | 0.759497230  | -0.2298139700 | -0.084139792 |
| ## 73 | 0.293819860  | -0.161137960 | -0.070798529 | 0.0499288140  | -0.115302760 |

|        |              |              |              |               |              |
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| ## 74  | -0.063109724 | -0.072455945 | -0.059533315 | 0.1612799100  | -0.130438590 |
| ## 75  | -0.023996426 | -0.008259743 | -0.106109450 | 0.0865720530  | -0.107677430 |
| ## 76  | -0.095351327 | 0.125335380  | -0.220228440 | 0.0189821970  | -0.088940444 |
| ## 77  | 0.117638810  | 0.069478334  | -0.233705310 | -0.0223196250 | -0.073791881 |
| ## 78  | 0.111349770  | 0.134363740  | -0.221452890 | -0.0334966340 | -0.068706240 |
| ## 79  | -0.367091900 | -0.192283360 | 0.504731480  | -0.4797295200 | 0.082034033  |
| ## 80  | -0.301345110 | -0.269860910 | 0.456118480  | 0.0940914810  | -0.309152910 |
| ## 81  | -0.221572180 | -0.279838700 | 0.470135100  | 0.2112005700  | -0.272905420 |
| ## 82  | -0.151880510 | -0.269317390 | 0.510220770  | 0.0960817380  | -0.163394250 |
| ## 83  | -0.203931150 | -0.154448070 | 0.584593450  | 0.0087423875  | 0.011660578  |
| ## 84  | -0.159566540 | -0.053069215 | 0.568275260  | -0.0425566000 | 0.097617796  |
| ## 85  | 0.080299512  | -0.087217493 | 0.350714830  | -0.0372465090 | -0.097676458 |
| ## 86  | 0.025644476  | -0.263396180 | 0.301148890  | -0.0161086060 | -0.224752700 |
| ## 87  | -0.282677940 | -0.207079370 | 0.666762800  | -0.2392859300 | 0.078229978  |
| ## 88  | -0.237256990 | -0.243976650 | 0.658310500  | -0.0707388470 | -0.118815440 |
| ## 89  | -0.103874750 | -0.147424760 | 0.544987240  | 0.0127809600  | -0.295050110 |
| ## 90  | -0.017096531 | -0.180570700 | 0.414512510  | -0.0196917170 | -0.163205240 |
| ## 91  | -0.091910876 | -0.175821840 | 0.497958290  | -0.0492023810 | 0.088514793  |
| ## 92  | -0.165264550 | -0.195871240 | 0.589804220  | -0.0179271180 | 0.105327810  |
| ## 93  | -0.030151665 | -0.225084380 | 0.560669280  | -0.0114817050 | -0.153322760 |
| ## 94  | -0.049771890 | -0.297461940 | 0.437571490  | 0.0129971230  | -0.227591540 |
| ## 95  | -0.121584490 | -0.409550890 | 0.259923020  | 0.0146516100  | -0.190636540 |
| ## 96  | 0.025660366  | -0.240842690 | 0.236881430  | -0.0455323790 | -0.146006390 |
| ## 97  | -0.048464463 | -0.253305750 | 0.294606070  | -0.0683534970 | 0.023946895  |
| ## 98  | -0.162549300 | -0.255019990 | 0.325321870  | -0.0658244830 | 0.104709540  |
| ## 99  | -0.021996143 | -0.143448640 | 0.409982020  | 0.1916016200  | -0.075822649 |
| ## 100 | -0.174122330 | -0.272164330 | 0.426782220  | 0.0214834250  | 0.064451419  |
| ## 101 | -0.243525890 | -0.198722060 | 0.449738990  | -0.0366181740 | -0.089046514 |
| ## 102 | -0.376025560 | -0.309908730 | 0.670427780  | -0.0329982000 | -0.167240480 |
| ## 103 | -0.303746390 | -0.319631070 | 0.722056610  | -0.0451324380 | -0.262268960 |
| ## 104 | -0.243031650 | -0.249786880 | 0.716047050  | -0.0664706230 | 0.005645369  |
| ## 105 | -0.207386320 | -0.185581470 | 0.671484730  | -0.0475147220 | 0.144637250  |
| ## 106 | -0.015885416 | -0.026360987 | 0.451000730  | -0.0599592100 | 0.025881487  |
| ## 107 | 0.034068108  | -0.057197510 | 0.418676370  | -0.0170109650 | -0.132132070 |
| ## 108 | 0.039892134  | -0.137543630 | 0.466354830  | 0.0367745900  | -0.235416280 |
| ## 109 | -0.039496952 | -0.213296420 | 0.490822500  | 0.0017780167  | -0.174895940 |
| ## 110 | -0.097537775 | -0.131092250 | 0.504007190  | -0.0334570170 | -0.049285129 |
| ## 111 | -0.152900820 | -0.131503590 | 0.610607290  | -0.0813724460 | 0.056962195  |
| ## 112 | 0.006629045  | -0.141784600 | 0.649873480  | -0.6312848700 | 0.338864070  |
| ## 113 | -0.046440592 | -0.269314190 | 0.374280240  | -0.3664444300 | 0.072161271  |
| ## 114 | 0.048377337  | -0.139615990 | 0.472624590  | -0.1993631100 | -0.095754272 |
| ## 115 | -0.117016980 | -0.065315989 | 0.461054790  | -0.0980312970 | 0.039626295  |
| ## 116 | -0.285013790 | -0.279160780 | 0.478108430  | 0.0174702530  | 0.051533555  |
| ## 117 | -0.177311610 | -0.256913530 | 0.529633930  | 0.0481354480  | -0.082637884 |
| ## 118 | -0.023716902 | -0.144586770 | 0.330022230  | -0.0070935541 | -0.160172310 |
| ## 119 | 0.013310384  | -0.025309559 | 0.210473910  | 0.0002141360  | -0.257720910 |
| ## 120 | -0.263201470 | -0.087956434 | 0.313915700  | -0.0213563490 | -0.125467980 |
| ## 121 | -0.228404290 | -0.157196160 | 0.329508350  | -0.0729442890 | -0.115063500 |
| ## 122 | -0.073647621 | -0.113284490 | 0.339436250  | -0.0470359840 | -0.149365460 |
| ## 123 | -0.023037179 | -0.260822800 | 0.452506920  | 0.0080967756  | 0.018427911  |

|        |              |              |              |               |              |
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| ## 124 | -0.032043427 | -0.253312530 | 0.461221180  | -0.0281804970 | 0.134382080  |
| ## 125 | -0.202682920 | -0.107926410 | 0.414254740  | -0.0439752200 | -0.001417998 |
| ## 126 | -0.325414600 | -0.520593860 | 0.177339230  | -0.0327278590 | -0.111061650 |
| ## 127 | -0.532470890 | -0.223866290 | 0.250825240  | -0.0734237860 | -0.081083025 |
| ## 128 | -0.574609320 | -0.217664990 | 0.323986100  | -0.4770527400 | 0.180647750  |
| ## 129 | -0.381924240 | -0.293633080 | 0.253779720  | -0.4445244400 | 0.168844280  |
| ## 130 | -0.073408328 | -0.310543680 | 0.207009180  | 0.0763076690  | -0.139809360 |
| ## 131 | -0.100068850 | -0.487030660 | 0.326443220  | -0.1756098000 | -0.024263868 |
| ## 132 | -0.205623040 | -0.558401880 | 0.330599070  | 0.0006238958  | -0.096132919 |
| ## 133 | -0.277257000 | -0.318813200 | 0.283257060  | 0.4475728500  | -0.307168600 |
| ## 134 | -0.461440450 | -0.418870300 | 0.399924850  | 0.2946423300  | -0.206986920 |
| ## 135 | -0.375365970 | -0.665121630 | 0.290669630  | -0.4128569000 | 0.182605990  |
| ## 136 | -0.311439230 | -0.439138570 | 0.292814530  | -0.3301899200 | 0.137855930  |
| ## 137 | -0.397842220 | -0.401588960 | 0.326385070  | -0.5619920300 | 0.354484130  |
| ## 138 | -0.251188720 | -0.300811930 | 0.037222261  | -0.1731315500 | 0.079567930  |
| ## 139 | -0.061905604 | -0.174587720 | -0.224629490 | 0.0573099430  | -0.110243800 |
| ## 140 | -0.246468740 | -0.137000680 | -0.127727660 | -0.1924602200 | -0.094912968 |
| ## 141 | -0.209535650 | -0.157124930 | 0.015637408  | 0.2096373900  | -0.337988200 |
| ## 142 | -0.101198210 | -0.137534920 | -0.100684400 | 0.4022881900  | -0.338773950 |
| ## 143 | -0.515840480 | -0.316307170 | 0.450060470  | -0.4701094300 | 0.217700420  |
| ## 144 | -0.471619340 | -0.286516520 | 0.336915560  | -0.4379426300 | 0.165124860  |
| ## 145 | -0.359559770 | -0.224055980 | 0.269014510  | -0.5885854500 | 0.472156490  |
| ## 146 | -0.331255420 | 0.012143940  | 0.247685970  | -0.1507958000 | 0.166182590  |
| ## 147 | -0.125732620 | 0.046648801  | 0.036197431  | -0.0894886130 | -0.042483479 |
| ## 148 | -0.113950610 | -0.282466850 | 0.051126642  | -0.1442861100 | -0.048495712 |
| ## 149 | -0.233364730 | -0.272550870 | 0.184418960  | 0.3545192300  | -0.475270960 |
| ## 150 | -0.247556760 | -0.214282500 | 0.188048080  | 0.3821750500  | -0.404705260 |
| ## 151 | -0.119928100 | -0.242067970 | 0.278796070  | 0.2210552800  | -0.263545070 |
| ## 152 | -0.149293580 | -0.266144730 | 0.437114220  | 0.0915495630  | -0.184043120 |
| ## 153 | 0.165752590  | -0.065337167 | 0.288024510  | 0.4014941700  | -0.500936510 |
| ## 154 | -0.074058179 | 0.131627360  | 0.195190360  | 0.2418690600  | -0.274127170 |
| ## 155 | -0.404679780 | -0.134824510 | 0.331907320  | -0.1183210600 | 0.041265770  |
| ## 156 | -0.271849020 | -0.186964440 | 0.379153570  | 0.1068370200  | -0.254617830 |
| ## 157 | -0.256435920 | -0.100860560 | 0.384476190  | -0.1133225300 | -0.067416287 |
| ## 158 | -0.303987750 | -0.185242950 | 0.368801850  | -0.4121534400 | 0.202418380  |
| ## 159 | -0.148991320 | -0.112092510 | 0.323898100  | 0.2141545900  | -0.272891730 |
| ## 160 | -0.311864060 | -0.272433760 | 0.418475490  | 0.1574202100  | -0.190156150 |
| ## 161 | -0.255003490 | -0.172418330 | 0.284097950  | 0.3938259600  | -0.425280500 |
| ## 162 | -0.194947020 | -0.038603056 | 0.132062540  | 0.1233939400  | -0.209000970 |
| ## 163 | -0.358549470 | -0.001777714 | 0.189790750  | -0.0195484480 | -0.158514950 |
| ## 164 | -0.434010950 | -0.009966085 | 0.240857520  | 0.0936091780  | -0.315860580 |
| ## 165 | -0.401828940 | 0.022505093  | 0.328932000  | -0.2868720100 | 0.076320917  |
| ## 166 | -0.292387060 | 0.011677073  | 0.363219360  | -0.4025515000 | 0.188920680  |
| ## 167 | -0.390538650 | 0.004434835  | 0.211550680  | -0.2279948200 | 0.005252523  |
| ## 168 | -0.174464670 | 0.200174970  | 0.088914435  | 0.4829414200  | -0.411669890 |
| ## 169 | -0.358086540 | -0.035956463 | 0.441091430  | 0.3026892700  | -0.242481230 |
| ## 170 | -0.366932360 | -0.042619214 | 0.524917070  | 0.4995618900  | -0.529786350 |
| ## 171 | -0.152767490 | -0.093591032 | 0.401238610  | 0.1769649900  | -0.397058870 |
| ## 172 | -0.448711590 | -0.243832230 | 0.369818360  | -0.2152064700 | -0.043170455 |
| ## 173 | -0.503502070 | -0.147258840 | 0.336463120  | 0.1134963200  | -0.310938090 |



|        |               |              |              |               |              |
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| ## 174 | -0.202121720  | 0.061013034  | 0.278749480  | -0.0806006290 | -0.116268610 |
| ## 175 | -0.156071960  | 0.174665830  | 0.291769390  | -0.3998600700 | 0.181701500  |
| ## 176 | -0.693816830  | 0.044065905  | 0.455786200  | -0.2500102600 | 0.076122110  |
| ## 177 | -0.029389798  | -0.206925560 | 0.163407530  | 0.0134398750  | 0.121561090  |
| ##     | NA            | NA           | NA           | NA            | NA           |
| ## 1   | 0.1077254000  | -0.98531027  | -0.976623440 | -0.99220528   | -0.98458626  |
| ## 2   | 0.1005842900  | -0.98311996  | -0.989045800 | -0.98912123   | -0.98689045  |
| ## 3   | 0.0961268760  | -0.97629211  | -0.993551820 | -0.98637871   | -0.97492153  |
| ## 4   | 0.0855376990  | -0.99138480  | -0.992407320 | -0.98755418   | -0.99158889  |
| ## 5   | 0.0773920350  | -0.98518357  | -0.992378120 | -0.98740185   | -0.98694370  |
| ## 6   | 0.0790121420  | -0.98518080  | -0.992117480 | -0.98307675   | -0.98578560  |
| ## 7   | 0.0954645550  | -0.98817723  | -0.989205710 | -0.97915380   | -0.98772264  |
| ## 8   | 0.0940956070  | -0.98910723  | -0.987403240 | -0.97851956   | -0.98912885  |
| ## 9   | 0.0778629820  | -0.99088198  | -0.992891350 | -0.98724152   | -0.99050928  |
| ## 10  | 0.0789758430  | -0.98493784  | -0.987303760 | -0.98084404   | -0.98510311  |
| ## 11  | 0.0854817750  | -0.98466387  | -0.988215590 | -0.98090404   | -0.98548275  |
| ## 12  | 0.0915775350  | -0.99416933  | -0.995566520 | -0.99579097   | -0.99402183  |
| ## 13  | 0.0861835190  | -0.99544544  | -0.997109200 | -0.99586602   | -0.99499607  |
| ## 14  | 0.0836222370  | -0.99761834  | -0.997609530 | -0.99617388   | -0.99734429  |
| ## 15  | -0.1745214700 | -0.97753165  | -0.941867550 | -0.91159041   | -0.98098337  |
| ## 16  | -0.0269414500 | -0.98874836  | -0.967257510 | -0.93401801   | -0.98803853  |
| ## 17  | 0.0609336250  | -0.98911045  | -0.982180280 | -0.97436137   | -0.98850318  |
| ## 18  | 0.0945036680  | -0.98919640  | -0.989762100 | -0.98196822   | -0.98945367  |
| ## 19  | 0.1078218700  | -0.99128786  | -0.997697480 | -0.99533142   | -0.99094655  |
| ## 20  | 0.1007478900  | -0.99590036  | -0.997545030 | -0.99504298   | -0.99590963  |
| ## 21  | 0.0937734690  | -0.99747587  | -0.998228080 | -0.99813809   | -0.99733101  |
| ## 22  | 0.0945852790  | -0.99758401  | -0.998648630 | -0.99768157   | -0.99745259  |
| ## 23  | 0.0889987580  | -0.99808137  | -0.997586300 | -0.99486246   | -0.99848514  |
| ## 24  | 0.0790552280  | -0.99833703  | -0.998208290 | -0.99598691   | -0.99861997  |
| ## 25  | 0.0808561270  | -0.99624819  | -0.997671450 | -0.99406934   | -0.99625450  |
| ## 26  | 0.0885527260  | -0.99353980  | -0.997429250 | -0.99505457   | -0.99374243  |
| ## 27  | 0.0894155930  | -0.99433322  | -0.997476570 | -0.99679810   | -0.99465918  |
| ## 28  | 0.2294843700  | -0.97335570  | -0.972203390 | -0.91719890   | -0.98014989  |
| ## 29  | 0.2470503700  | -0.99422554  | -0.975368420 | -0.96888020   | -0.99406462  |
| ## 30  | 0.1830192900  | -0.99564427  | -0.978231050 | -0.96663998   | -0.99549930  |
| ## 31  | 0.0765793130  | -0.73087388  | -0.499649460 | -0.56901637   | -0.81746389  |
| ## 32  | -0.0502120920 | -0.72058157  | -0.488968540 | -0.50932463   | -0.78495030  |
| ## 33  | 0.0604051910  | -0.92572959  | -0.897016750 | -0.72055919   | -0.94347515  |
| ## 34  | 0.2031538800  | -0.99621609  | -0.978202470 | -0.97771988   | -0.99680444  |
| ## 35  | 0.1566043000  | -0.99813599  | -0.990542560 | -0.97702357   | -0.99780378  |
| ## 36  | 0.1177939600  | -0.99673098  | -0.994242210 | -0.98667882   | -0.99638761  |
| ## 37  | 0.0942838350  | -0.99909646  | -0.992917250 | -0.99092483   | -0.99908116  |
| ## 38  | 0.0848893220  | -0.99834012  | -0.994224820 | -0.99602129   | -0.99820505  |
| ## 39  | -0.5941657600 | -0.95390955  | -0.972973420 | -0.84095619   | -0.95191223  |
| ## 40  | -0.2865718300 | -0.94503475  | -0.988712060 | -0.83657336   | -0.94203201  |
| ## 41  | -0.0405384660 | -0.96234359  | -0.988681120 | -0.90097784   | -0.96022695  |
| ## 42  | 0.0745763030  | -0.98300305  | -0.993492020 | -0.97544897   | -0.98260563  |
| ## 43  | 0.1157964700  | -0.99429125  | -0.994729220 | -0.98163073   | -0.99485404  |
| ## 44  | 0.1289361600  | -0.99892436  | -0.995596170 | -0.98693836   | -0.99893406  |
| ## 45  | 0.1068855000  | -0.99735086  | -0.994702320 | -0.98453755   | -0.99732325  |

|       |               |             |              |             |             |
|-------|---------------|-------------|--------------|-------------|-------------|
| ## 46 | 0.0926319180  | -0.99853579 | -0.994201930 | -0.98875701 | -0.99841259 |
| ## 47 | 0.0921485360  | -0.99878789 | -0.995054670 | -0.98844605 | -0.99875639 |
| ## 48 | 0.0812382510  | -0.99835296 | -0.994911450 | -0.99213197 | -0.99851666 |
| ## 49 | 0.0848936500  | -0.99853287 | -0.995739250 | -0.98903748 | -0.99863450 |
| ## 50 | 0.0924671060  | -0.99827112 | -0.995050900 | -0.98889306 | -0.99822694 |
| ## 51 | 0.0808646120  | -0.99810121 | -0.993141980 | -0.98862667 | -0.99818155 |
| ## 52 | 0.5432788500  | -0.95513929 | -0.933605610 | -0.81188693 | -0.96509851 |
| ## 53 | 0.2575647900  | -0.98117184 | -0.992719250 | -0.89226640 | -0.98020457 |
| ## 54 | 0.1005448200  | -0.99013041 | -0.996153430 | -0.94702521 | -0.98987901 |
| ## 55 | 0.0430375740  | -0.99618046 | -0.995071170 | -0.98902329 | -0.99598742 |
| ## 56 | 0.0459467490  | -0.99914537 | -0.995488430 | -0.99423868 | -0.99899020 |
| ## 57 | 0.0555906940  | -0.99911560 | -0.994887490 | -0.99445568 | -0.99913337 |
| ## 58 | 0.0751469740  | -0.99897201 | -0.994454780 | -0.98615570 | -0.99913324 |
| ## 59 | 0.0850619870  | -0.99917255 | -0.993990740 | -0.99480310 | -0.99921115 |
| ## 60 | 0.0864718190  | -0.99924487 | -0.995764880 | -0.99377387 | -0.99926176 |
| ## 61 | 0.0881932550  | -0.99960009 | -0.995945040 | -0.99434839 | -0.99961180 |
| ## 62 | 0.0875748090  | -0.99885209 | -0.995185790 | -0.99511471 | -0.99891433 |
| ## 63 | 0.0852424670  | -0.99843598 | -0.994913710 | -0.99437920 | -0.99836980 |
| ## 64 | 0.0861522210  | -0.99904601 | -0.994318450 | -0.99335143 | -0.99905130 |
| ## 65 | 0.7316265700  | -0.88716564 | -0.915990420 | -0.87226754 | -0.90644809 |
| ## 66 | 0.5129021100  | -0.94532037 | -0.979073020 | -0.86142570 | -0.94173599 |
| ## 67 | 0.1312556800  | -0.42283371 | -0.788106630 | -0.56517871 | -0.56834982 |
| ## 68 | 0.0588127130  | -0.38879976 | -0.744798780 | -0.59595082 | -0.50876266 |
| ## 69 | 0.2159295300  | -0.80797336 | -0.924891460 | -0.92594262 | -0.83259985 |
| ## 70 | -0.0521754020 | -0.63256602 | -0.783017970 | -0.62485358 | -0.74825330 |
| ## 71 | -0.0985443640 | -0.08129443 | -0.670237930 | -0.57189809 | -0.35190001 |
| ## 72 | 0.1265847800  | -0.11708191 | -0.705085290 | -0.72542219 | -0.37048572 |
| ## 73 | 0.1956875900  | -0.70487231 | -0.858210790 | -0.87840890 | -0.74576458 |
| ## 74 | 0.2121310600  | -0.94601195 | -0.983027070 | -0.96470731 | -0.94542062 |
| ## 75 | 0.1590743300  | -0.95021471 | -0.988112220 | -0.96948105 | -0.94599969 |
| ## 76 | 0.1103430600  | -0.96234199 | -0.993114060 | -0.98134938 | -0.95835434 |
| ## 77 | 0.0812179640  | -0.98176287 | -0.994969890 | -0.99107732 | -0.98342245 |
| ## 78 | 0.0764133740  | -0.99260027 | -0.996918580 | -0.99510021 | -0.99224797 |
| ## 79 | 0.2564430900  | -0.32354578 | -0.141939720 | -0.45659800 | -0.29766521 |
| ## 80 | 0.0864411650  | -0.39925291 | -0.088415705 | -0.40215750 | -0.43858778 |
| ## 81 | 0.1019860100  | -0.44543781 | -0.063083329 | -0.34705584 | -0.46139436 |
| ## 82 | 0.0258594640  | -0.36040537 | 0.042333424  | -0.27613840 | -0.38253398 |
| ## 83 | 0.0041745148  | -0.37755748 | 0.133715030  | -0.30814814 | -0.38651704 |
| ## 84 | 0.0846554540  | -0.51085478 | 0.026422841  | -0.37242435 | -0.51719760 |
| ## 85 | 0.1324832800  | -0.50430997 | -0.101970170 | -0.32240541 | -0.52175529 |
| ## 86 | 0.1488296400  | -0.47230941 | -0.061530134 | -0.29837084 | -0.48818386 |
| ## 87 | 0.0431372620  | -0.46501506 | -0.167400450 | -0.43151087 | -0.47543749 |
| ## 88 | 0.1498907100  | -0.46773904 | -0.088727759 | -0.37812283 | -0.48928779 |
| ## 89 | 0.1837547800  | -0.51115059 | -0.098407942 | -0.34932550 | -0.54132238 |
| ## 90 | 0.0995285430  | -0.49171175 | -0.065042631 | -0.31606302 | -0.51292997 |
| ## 91 | 0.0196041240  | -0.43666047 | 0.033947370  | -0.30922493 | -0.44255838 |
| ## 92 | 0.0796641310  | -0.45932476 | 0.034665288  | -0.32584284 | -0.47962629 |
| ## 93 | 0.1127021300  | -0.51392579 | -0.050255776 | -0.28288630 | -0.53727086 |
| ## 94 | 0.1428857800  | -0.47216816 | -0.027794022 | -0.26281941 | -0.49735102 |
| ## 95 | 0.1035978500  | -0.41936161 | -0.012322999 | -0.30791562 | -0.45413830 |

|        |               |             |              |             |             |
|--------|---------------|-------------|--------------|-------------|-------------|
| ## 96  | 0.0068022451  | -0.42216651 | -0.013167728 | -0.29260458 | -0.43980928 |
| ## 97  | -0.0137894220 | -0.44827352 | 0.051216271  | -0.26886698 | -0.44548025 |
| ## 98  | 0.0956241230  | -0.50437893 | 0.015762644  | -0.30003199 | -0.50069421 |
| ## 99  | -0.0223875810 | -0.45595247 | 0.030218936  | -0.26607028 | -0.46579031 |
| ## 100 | 0.0727822900  | -0.48266333 | -0.022088940 | -0.31057250 | -0.49406624 |
| ## 101 | 0.1596885100  | -0.49677092 | -0.080350970 | -0.36284538 | -0.52737714 |
| ## 102 | 0.1763366100  | -0.46948578 | 0.032367693  | -0.30173541 | -0.51463924 |
| ## 103 | 0.0556777720  | -0.44777597 | 0.055891583  | -0.30133812 | -0.48959818 |
| ## 104 | -0.0289075520 | -0.45538127 | 0.069813254  | -0.34900948 | -0.47497430 |
| ## 105 | 0.0618590230  | -0.50627991 | 0.009218841  | -0.36831531 | -0.52234765 |
| ## 106 | 0.1155227500  | -0.54702492 | -0.073083343 | -0.38671403 | -0.56704405 |
| ## 107 | 0.1188107000  | -0.50791561 | -0.010991653 | -0.34020651 | -0.53993214 |
| ## 108 | 0.1669562800  | -0.48177333 | 0.013741497  | -0.31572741 | -0.50853348 |
| ## 109 | 0.0812176170  | -0.45651035 | 0.012341046  | -0.32178859 | -0.48098034 |
| ## 110 | -0.0312597120 | -0.44989473 | 0.041568905  | -0.30846622 | -0.47876818 |
| ## 111 | 0.0441700070  | -0.48169764 | 0.010786752  | -0.30636273 | -0.49690365 |
| ## 112 | 0.0662646880  | -0.43202934 | -0.009447212 | -0.30859732 | -0.45632518 |
| ## 113 | 0.1771800100  | -0.45341569 | -0.061216287 | -0.32763842 | -0.48704126 |
| ## 114 | 0.0880907160  | -0.47562751 | -0.054418398 | -0.27340978 | -0.50056770 |
| ## 115 | 0.0130219740  | -0.44779670 | -0.000303382 | -0.32409599 | -0.47821063 |
| ## 116 | 0.1077640300  | -0.44545035 | -0.022369313 | -0.34846722 | -0.47360785 |
| ## 117 | 0.1243362800  | -0.49519683 | -0.075819651 | -0.29826376 | -0.52868960 |
| ## 118 | 0.1075178700  | -0.51719470 | -0.115544520 | -0.32551653 | -0.55144711 |
| ## 119 | 0.0962865750  | -0.51147526 | -0.114165040 | -0.35043595 | -0.53600722 |
| ## 120 | 0.1134271200  | -0.56317897 | -0.097972713 | -0.35386260 | -0.60015615 |
| ## 121 | 0.1011386600  | -0.54614905 | -0.132568370 | -0.36042092 | -0.57956798 |
| ## 122 | -0.0166367940 | -0.47892631 | -0.114912570 | -0.27374917 | -0.49261276 |
| ## 123 | 0.0288346550  | -0.40173287 | -0.057885666 | -0.21479001 | -0.40287329 |
| ## 124 | 0.1379761700  | -0.40244449 | -0.035971716 | -0.29586382 | -0.41463411 |
| ## 125 | 0.0757317940  | -0.51378170 | -0.065370344 | -0.33271229 | -0.54522100 |
| ## 126 | 0.1354629800  | -0.67804595 | -0.331174890 | -0.32873594 | -0.69242514 |
| ## 127 | 0.1117395000  | -0.72682759 | -0.159999430 | -0.30760673 | -0.75253100 |
| ## 128 | 0.0937456810  | -0.34599847 | -0.115286560 | -0.25632971 | -0.35102443 |
| ## 129 | 0.0740285730  | -0.25952750 | -0.174324110 | -0.23970156 | -0.28199975 |
| ## 130 | 0.0623900040  | -0.54270950 | -0.210707100 | -0.16995951 | -0.55138770 |
| ## 131 | 0.0892646900  | -0.24056586 | -0.087622849 | -0.05253490 | -0.21858120 |
| ## 132 | 0.0543641450  | -0.14671664 | -0.068871797 | -0.09763150 | -0.11467332 |
| ## 133 | 0.1179795000  | -0.73433644 | -0.246945320 | -0.17787937 | -0.74986371 |
| ## 134 | 0.1214822300  | -0.74671130 | -0.249120060 | -0.23858846 | -0.75192087 |
| ## 135 | 0.1533726800  | -0.62878244 | -0.010617799 | -0.08246270 | -0.66382079 |
| ## 136 | 0.2027245000  | -0.66430820 | -0.033440531 | -0.09899060 | -0.68545262 |
| ## 137 | 0.1750142000  | -0.31801206 | 0.033933754  | -0.05679736 | -0.34657011 |
| ## 138 | 0.0003964888  | -0.08568680 | 0.049300317  | 0.12732965  | -0.04918201 |
| ## 139 | 0.0750702440  | -0.36310657 | 0.064423707  | 0.11899540  | -0.39755628 |
| ## 140 | 0.1075884400  | -0.23369188 | 0.041119193  | -0.13944291 | -0.27608826 |
| ## 141 | -0.0100624260 | -0.26577972 | -0.111831410 | -0.16116687 | -0.37893172 |
| ## 142 | 0.1794381200  | -0.71373238 | -0.139656820 | -0.07395244 | -0.71787719 |
| ## 143 | 0.1241266000  | -0.64435903 | -0.151241560 | -0.15750311 | -0.65438513 |
| ## 144 | 0.2813640500  | -0.59954558 | -0.143646510 | -0.16523367 | -0.61868940 |
| ## 145 | 0.0580359580  | -0.29874790 | -0.083700618 | -0.04627086 | -0.35271921 |

|        |               |              |              |             |               |
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| ## 146 | -0.0764482840 | -0.06923546  | 0.037772628  | -0.07928910 | -0.08705971   |
| ## 147 | 0.1498433100  | -0.21736271  | -0.102482900 | -0.14144583 | -0.21783887   |
| ## 148 | 0.1149999300  | -0.25878873  | -0.127134910 | -0.18214981 | -0.26941455   |
| ## 149 | 0.0704262310  | -0.60159804  | -0.131965080 | -0.25889060 | -0.62618752   |
| ## 150 | 0.1169666000  | -0.68828384  | -0.208714730 | -0.20020957 | -0.68724591   |
| ## 151 | 0.0344481070  | -0.68634674  | -0.001321991 | -0.55655051 | -0.67876882   |
| ## 152 | 0.0466166610  | -0.73791670  | -0.020884050 | -0.56188542 | -0.74395205   |
| ## 153 | -0.1189745000 | -0.35180201  | -0.026260286 | -0.41956706 | -0.37807307   |
| ## 154 | 0.0045285318  | -0.20117646  | 0.006509982  | -0.36459996 | -0.21370313   |
| ## 155 | 0.1731541200  | -0.53763313  | 0.009375310  | -0.46154130 | -0.52969764   |
| ## 156 | 0.1345927600  | -0.60474306  | -0.042601701 | -0.46215867 | -0.64665134   |
| ## 157 | 0.1847528700  | -0.54435665  | -0.019643429 | -0.52116002 | -0.53234506   |
| ## 158 | 0.1512020100  | -0.72564864  | 0.012712706  | -0.57456488 | -0.73954287   |
| ## 159 | 0.0273753060  | -0.65416238  | -0.018962532 | -0.61725207 | -0.65093819   |
| ## 160 | 0.0463248120  | -0.65814209  | -0.020163289 | -0.60270510 | -0.66867892   |
| ## 161 | -0.0615945450 | -0.40939661  | 0.079773244  | -0.30926751 | -0.42073523   |
| ## 162 | 0.0249903250  | -0.23879635  | 0.083457815  | -0.34269519 | -0.23053170   |
| ## 163 | 0.0607045640  | -0.46432442  | -0.116471980 | -0.54808938 | -0.43571251   |
| ## 164 | 0.0615959640  | -0.49124717  | -0.165186320 | -0.52137641 | -0.47206881   |
| ## 165 | 0.2033377500  | -0.58934520  | -0.107517490 | -0.60749461 | -0.61151087   |
| ## 166 | 0.1662548000  | -0.76002085  | -0.071266043 | -0.59683363 | -0.76296943   |
| ## 167 | 0.1103678300  | -0.70387303  | -0.085518582 | -0.66346585 | -0.71702461   |
| ## 168 | -0.0132410200 | -0.65619121  | -0.035274007 | -0.61595769 | -0.66222258   |
| ## 169 | 0.0070514413  | -0.69210253  | -0.026432354 | -0.59775683 | -0.70153403   |
| ## 170 | -0.0656235970 | -0.44075342  | 0.030076113  | -0.41783704 | -0.48779453   |
| ## 171 | 0.0174525740  | -0.18306779  | 0.017116928  | -0.41529288 | -0.18015774   |
| ## 172 | 0.1066202000  | -0.62986471  | -0.136806240 | -0.54853658 | -0.62851120   |
| ## 173 | 0.1027981500  | -0.53118891  | -0.244705030 | -0.53867943 | -0.58074232   |
| ## 174 | 0.1650279900  | -0.40714449  | -0.119546180 | -0.54632096 | -0.43364487   |
| ## 175 | 0.1571412500  | -0.76357626  | -0.045350642 | -0.57194274 | -0.75832847   |
| ## 176 | 0.0903591880  | -0.65300139  | -0.052249131 | -0.59116617 | -0.69516179   |
| ## 177 | -0.0271252670 | -0.96761340  | -0.938871960 | -0.90291680 | -0.96940714   |
| ##     | NA            | NA           | NA           | NA          | NA            |
| ## 1   | -0.9763526200 | -0.992361640 | -0.867043740 | -0.93378602 | -0.7475661800 |
| ## 2   | -0.9890379600 | -0.989184580 | -0.864903820 | -0.95356049 | -0.7458700000 |
| ## 3   | -0.9941221100 | -0.985786180 | -0.864903820 | -0.95904912 | -0.7432771000 |
| ## 4   | -0.9931420700 | -0.989584910 | -0.885320380 | -0.95665634 | -0.7432771000 |
| ## 5   | -0.9925425000 | -0.988162830 | -0.870154080 | -0.95335965 | -0.7497799300 |
| ## 6   | -0.9922686800 | -0.982704930 | -0.870154080 | -0.95335965 | -0.7463993500 |
| ## 7   | -0.9897401300 | -0.980000490 | -0.880846490 | -0.95431618 | -0.7425941900 |
| ## 8   | -0.9876054700 | -0.976192240 | -0.878916490 | -0.95332025 | -0.7425941900 |
| ## 9   | -0.9939067700 | -0.987830810 | -0.878916490 | -0.95332025 | -0.7494695000 |
| ## 10  | -0.9888956400 | -0.982974350 | -0.871571120 | -0.94869370 | -0.7477413400 |
| ## 11  | -0.9898279900 | -0.983507280 | -0.871571120 | -0.94869370 | -0.7477413400 |
| ## 12  | -0.9954854100 | -0.996186790 | -0.885642960 | -0.95433478 | -0.7558745100 |
| ## 13  | -0.9970289700 | -0.995882500 | -0.886159170 | -0.95606969 | -0.7572021000 |
| ## 14  | -0.9977533100 | -0.996035480 | -0.886159170 | -0.95512014 | -0.7592831100 |
| ## 15  | -0.9442419300 | -0.915308410 | -0.859841110 | -0.87785296 | -0.8034711800 |
| ## 16  | -0.9656623800 | -0.929283930 | -0.874785700 | -0.92541442 | -0.7690723300 |
| ## 17  | -0.9820981700 | -0.976089050 | -0.874862200 | -0.94352911 | -0.7509771000 |

|       |               |              |              |             |               |
|-------|---------------|--------------|--------------|-------------|---------------|
| ## 18 | -0.9918735800 | -0.983990880 | -0.874862200 | -0.95095864 | -0.7467830600 |
| ## 19 | -0.9979059800 | -0.995617510 | -0.878836550 | -0.95829725 | -0.7467830600 |
| ## 20 | -0.9973872400 | -0.994882180 | -0.884585970 | -0.95800296 | -0.7511170500 |
| ## 21 | -0.9981400200 | -0.998062430 | -0.886939260 | -0.95753247 | -0.7568416700 |
| ## 22 | -0.9986228000 | -0.997688100 | -0.886450590 | -0.95753247 | -0.7552944200 |
| ## 23 | -0.9974636800 | -0.994550420 | -0.884890440 | -0.95667138 | -0.7552944200 |
| ## 24 | -0.9980769600 | -0.996092550 | -0.884858430 | -0.95613276 | -0.7604617200 |
| ## 25 | -0.9975744800 | -0.994214780 | -0.883961710 | -0.95613276 | -0.7554665100 |
| ## 26 | -0.9975339800 | -0.995311080 | -0.883961710 | -0.95574729 | -0.7554665100 |
| ## 27 | -0.9976724800 | -0.997413380 | -0.885156850 | -0.95574729 | -0.7559536100 |
| ## 28 | -0.9786105900 | -0.940880760 | -0.856909130 | -0.94748333 | -0.6941836300 |
| ## 29 | -0.9743136300 | -0.966260600 | -0.893364430 | -0.96970507 | -0.6941836300 |
| ## 30 | -0.9770687500 | -0.965959670 | -0.890292840 | -0.96441189 | -0.7021190700 |
| ## 31 | -0.6144029600 | -0.689653520 | -0.630321630 | -0.57256752 | -0.3809859000 |
| ## 32 | -0.5748374000 | -0.523945930 | -0.630321630 | -0.57256752 | -0.3809859000 |
| ## 33 | -0.9214794400 | -0.726837800 | -0.729150490 | -0.86675014 | -0.6815977000 |
| ## 34 | -0.9825548700 | -0.977247730 | -0.887202680 | -0.96019878 | -0.7068539700 |
| ## 35 | -0.9901451400 | -0.976183050 | -0.893344930 | -0.95672721 | -0.7210076800 |
| ## 36 | -0.9945620200 | -0.987044360 | -0.888859980 | -0.95435237 | -0.7387397100 |
| ## 37 | -0.9930882700 | -0.990700700 | -0.888651410 | -0.95151568 | -0.7505039700 |
| ## 38 | -0.9946296800 | -0.995999470 | -0.887021410 | -0.95151568 | -0.7567234400 |
| ## 39 | -0.9735727900 | -0.831619680 | -0.945123310 | -0.95210908 | -0.8881398400 |
| ## 40 | -0.9886514600 | -0.834172510 | -0.909885970 | -0.95210908 | -0.7847187200 |
| ## 41 | -0.9892186700 | -0.895251330 | -0.893069070 | -0.95185671 | -0.7603445500 |
| ## 42 | -0.9934162200 | -0.974654960 | -0.884277250 | -0.95185671 | -0.7551646100 |
| ## 43 | -0.9942945200 | -0.981949670 | -0.883048460 | -0.95406718 | -0.7329922500 |
| ## 44 | -0.9954679400 | -0.987463040 | -0.882191880 | -0.95438956 | -0.7329922500 |
| ## 45 | -0.9946407000 | -0.984232350 | -0.882191880 | -0.95341814 | -0.7426082100 |
| ## 46 | -0.9940811300 | -0.988347350 | -0.885803010 | -0.95341814 | -0.7480359100 |
| ## 47 | -0.9952515000 | -0.988271010 | -0.885685320 | -0.95364902 | -0.7480359100 |
| ## 48 | -0.9945046900 | -0.992078710 | -0.885685320 | -0.95540150 | -0.7567481700 |
| ## 49 | -0.9955776400 | -0.989107870 | -0.887603920 | -0.95600256 | -0.7503479600 |
| ## 50 | -0.9951672800 | -0.988834140 | -0.886810810 | -0.95248937 | -0.7503479600 |
| ## 51 | -0.9930738200 | -0.989173630 | -0.886810810 | -0.95248937 | -0.7535786700 |
| ## 52 | -0.9511682100 | -0.802836380 | -0.805127760 | -0.91142884 | -0.4560381600 |
| ## 53 | -0.9926555100 | -0.888909080 | -0.854175900 | -0.95495175 | -0.6240574900 |
| ## 54 | -0.9963092400 | -0.944515960 | -0.873037560 | -0.95495175 | -0.7128218600 |
| ## 55 | -0.9951402500 | -0.989828710 | -0.883269750 | -0.95478669 | -0.7646032900 |
| ## 56 | -0.9955176600 | -0.994460090 | -0.888446160 | -0.95478669 | -0.7699082300 |
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| ## 58 | -0.9942484300 | -0.984341510 | -0.886909190 | -0.95312683 | -0.7593653600 |
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| ## 60 | -0.9952203700 | -0.993625820 | -0.887098610 | -0.95625161 | -0.7545263600 |
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| ## 62 | -0.9945251500 | -0.995112600 | -0.886518090 | -0.95527648 | -0.7569267900 |
| ## 63 | -0.9946771500 | -0.994202590 | -0.886518090 | -0.95527648 | -0.7569267900 |
| ## 64 | -0.9943657300 | -0.992971260 | -0.887292640 | -0.95429691 | -0.7574963300 |
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| ## 66 | -0.9815491700 | -0.857488320 | -0.778554050 | -0.92598189 | -0.5232741900 |
| ## 67 | -0.8163726100 | -0.625598990 | -0.682358590 | -0.74219793 | -0.6294429100 |

|        |               |              |              |             |               |
|--------|---------------|--------------|--------------|-------------|---------------|
| ## 68  | -0.7656499300 | -0.669623080 | -0.622402340 | -0.74219793 | -0.6294429100 |
| ## 69  | -0.9309375300 | -0.930375900 | -0.622402340 | -0.95274785 | -0.6359053200 |
| ## 70  | -0.7977898300 | -0.660965950 | -0.687602610 | -0.83089889 | -0.6485824400 |
| ## 71  | -0.6885754300 | -0.594377970 | -0.487310000 | -0.62851398 | -0.4658304400 |
| ## 72  | -0.7601085000 | -0.783588290 | -0.487310000 | -0.62851398 | -0.4658304400 |
| ## 73  | -0.9115796600 | -0.916740470 | -0.762954450 | -0.80909107 | -0.6635484200 |
| ## 74  | -0.9840537400 | -0.963172100 | -0.762954450 | -0.95165715 | -0.6954428500 |
| ## 75  | -0.9893705700 | -0.969856500 | -0.795164100 | -0.95165715 | -0.7122335600 |
| ## 76  | -0.9934036200 | -0.980389010 | -0.841278140 | -0.95642916 | -0.7407614000 |
| ## 77  | -0.9952276800 | -0.992154540 | -0.862702120 | -0.95535928 | -0.7519238400 |
| ## 78  | -0.9972082300 | -0.995264940 | -0.884578680 | -0.95535928 | -0.7593043000 |
| ## 79  | -0.1524847700 | -0.481025800 | -0.498341930 | -0.40900560 | -0.2083963700 |
| ## 80  | -0.1065440000 | -0.421053660 | -0.399042060 | -0.44752477 | -0.2083963700 |
| ## 81  | -0.0630748160 | -0.358472260 | -0.399042060 | -0.43408921 | -0.1782762200 |
| ## 82  | 0.0003877810  | -0.269310540 | -0.417515540 | -0.23368541 | -0.1782762200 |
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| ## 84  | 0.0166362220  | -0.422175740 | -0.503428250 | -0.33509312 | -0.2586299300 |
| ## 85  | -0.1207335200 | -0.364816400 | -0.503428250 | -0.38846854 | -0.1484262800 |
| ## 86  | -0.0836358890 | -0.329053520 | -0.539237330 | -0.33972413 | -0.1137514100 |
| ## 87  | -0.1857702900 | -0.464688580 | -0.528386130 | -0.47587563 | -0.2221951900 |
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| ## 89  | -0.1211859000 | -0.403635470 | -0.503487320 | -0.44746442 | -0.1416982300 |
| ## 90  | -0.0843258460 | -0.333833080 | -0.503487320 | -0.31742918 | -0.1416982300 |
| ## 91  | 0.0424750470  | -0.318709630 | -0.421474940 | -0.31742918 | -0.2922427100 |
| ## 92  | 0.0230440880  | -0.386680870 | -0.378226890 | -0.27550138 | -0.2922427100 |
| ## 93  | -0.0876059600 | -0.390333050 | -0.378226890 | -0.27550138 | -0.0295532940 |
| ## 94  | -0.0601463180 | -0.324732390 | -0.421434180 | -0.32459005 | -0.0295532940 |
| ## 95  | -0.0660427500 | -0.313918530 | -0.421434180 | -0.32459005 | -0.2719874100 |
| ## 96  | -0.0580348820 | -0.293619360 | -0.465953870 | -0.37814199 | -0.2927511800 |
| ## 97  | 0.0381363880  | -0.278557590 | -0.555130750 | -0.30662999 | -0.2927511800 |
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| ## 99  | 0.0308539980  | -0.273257500 | -0.419046300 | -0.37984858 | -0.2063837400 |
| ## 100 | -0.0290207190 | -0.346646070 | -0.419046300 | -0.42556337 | -0.2245095900 |
| ## 101 | -0.0949600380 | -0.391582330 | -0.430597090 | -0.40085477 | -0.2245095900 |
| ## 102 | 0.0101915560  | -0.326699910 | -0.398475080 | -0.31288727 | -0.1825218300 |
| ## 103 | 0.0065825910  | -0.322886460 | -0.398475080 | -0.29242038 | -0.1825218300 |
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| ## 105 | 0.0273803020  | -0.393674110 | -0.504067720 | -0.30604219 | -0.3238756400 |
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| ## 107 | -0.0372303590 | -0.363344410 | -0.445817880 | -0.36720039 | -0.0691651510 |
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## 118 -0.1220041800 -0.355595410 -0.474885280 -0.47801665 -0.1144594600  
## 119 -0.1551350900 -0.363975290 -0.474885280 -0.35987088 -0.3635781400  
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## 125 -0.1100142500 -0.351952940 -0.529952250 -0.30836262 -0.3369287900  
## 126 -0.3399171300 -0.405919730 -0.525495070 -0.62512663 -0.1511967700  
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## 133 -0.2623554400 -0.174836030 -0.431622720 -0.54836273 -0.2556345200  
## 134 -0.2785981500 -0.282145680 -0.538453090 -0.44912996 -0.2442462300  
## 135 -0.0852521310 -0.186966780 -0.652745090 -0.13080261 -0.0253641340  
## 136 -0.1097042400 -0.200611590 -0.620502270 -0.22113840 -0.2595960300  
## 137 -0.0156444020 -0.145496070 -0.611398920 -0.19200914 -0.0005718645  
## 138 0.0168028640 0.006465708 -0.493633710 -0.19200914 -0.0005718645  
## 139 0.0112805740 0.051248023 -0.493633710 -0.09266469 -0.1599728200  
## 140 -0.0002242084 -0.139838250 -0.523726780 -0.09266469 -0.1791669200  
## 141 -0.1284688100 -0.186734000 -0.400496050 -0.39271465 -0.1681218900  
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## 145 -0.0865646110 -0.091492441 -0.377212970 -0.34274457 -0.2631020000  
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## 148 -0.1388740500 -0.232600800 -0.463171660 -0.40756286 -0.2904947400  
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## 155 -0.0281538690 -0.485044020 -0.578689450 -0.17317766 -0.3311077200  
## 156 -0.0958381400 -0.472152060 -0.543887120 -0.17317766 -0.3187797600  
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## 158 -0.0470544940 -0.602521630 -0.828280870 -0.29562025 -0.3270703800  
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## 160 -0.0865973950 -0.606423990 -0.444996120 -0.38840225 -0.5042679000  
## 161 0.0238939950 -0.330087630 -0.102529460 -0.38840225 -0.3094618200  
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## 163 -0.1267314900 -0.568195840 -0.473219340 -0.54369825 -0.3736162400  
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## 165 -0.1322379000 -0.602051970 -0.489055280 -0.41756767 -0.3662923000  
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## 169 -0.0363471500 -0.609105890 -0.333057870 -0.44135979 -0.4277482700  
## 170 0.0133302920 -0.425552620 0.005557382 -0.44135979 -0.3479317000  
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| ##    | NA          | NA         | NA         | NA           | NA         | NA         |
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| ## 1  | 0.847307960 | 0.91489534 | 0.83084054 | -0.967184280 | -0.9995783 | -0.9993543 |
| ## 2  | 0.833721060 | 0.90810964 | 0.82893499 | -0.980613100 | -0.9997558 | -0.9998973 |
| ## 3  | 0.833721060 | 0.90575280 | 0.82893499 | -0.976280290 | -0.9996934 | -0.9998283 |
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| ## 5  | 0.839090610 | 0.91118450 | 0.82137436 | -0.985262010 | -0.9998495 | -0.9999519 |
| ## 6  | 0.839808040 | 0.91118450 | 0.81882667 | -0.985214270 | -0.9998740 | -0.9999466 |
| ## 7  | 0.839232160 | 0.90706202 | 0.81882667 | -0.984483570 | -0.9999157 | -0.9999021 |
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| ## 9  | 0.842403480 | 0.90784028 | 0.82171549 | -0.988456690 | -0.9999416 | -0.9999461 |
| ## 10 | 0.836739430 | 0.90737892 | 0.80670461 | -0.983648190 | -0.9998594 | -0.9998863 |
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| ## 12 | 0.841874410 | 0.91406722 | 0.82586725 | -0.994010250 | -0.9999670 | -0.9999790 |
| ## 13 | 0.843589030 | 0.91406722 | 0.82856541 | -0.995970130 | -0.9999817 | -0.9999881 |
| ## 14 | 0.846238340 | 0.91496550 | 0.82856541 | -0.997447980 | -0.9999936 | -0.9999900 |
| ## 15 | 0.825064250 | 0.93234002 | 0.68601078 | -0.833608230 | -0.9995438 | -0.9889871 |
| ## 16 | 0.845353540 | 0.91941571 | 0.75977230 | -0.927060620 | -0.9998330 | -0.9975997 |
| ## 17 | 0.845353540 | 0.91198318 | 0.80165943 | -0.971575750 | -0.9997970 | -0.9996629 |
| ## 18 | 0.843044510 | 0.91120310 | 0.81689110 | -0.980373090 | -0.9997852 | -0.9999203 |
| ## 19 | 0.842770190 | 0.91120310 | 0.83632119 | -0.987618610 | -0.9999449 | -0.9999604 |
| ## 20 | 0.842770190 | 0.91329769 | 0.83294290 | -0.992828870 | -0.9999837 | -0.9999735 |
| ## 21 | 0.845124150 | 0.91452654 | 0.83216678 | -0.996795320 | -0.9999903 | -0.9999907 |
| ## 22 | 0.844218380 | 0.91430311 | 0.83191838 | -0.996915660 | -0.9999922 | -0.9999910 |
| ## 23 | 0.844218380 | 0.91430311 | 0.82960570 | -0.997480460 | -0.9999954 | -0.9999905 |
| ## 24 | 0.846400910 | 0.91631244 | 0.82674198 | -0.997282140 | -0.9999963 | -0.9999893 |
| ## 25 | 0.843871110 | 0.91422722 | 0.82674198 | -0.995832960 | -0.9999829 | -0.9999901 |
| ## 26 | 0.841989680 | 0.91422722 | 0.82839042 | -0.995422310 | -0.9999702 | -0.9999900 |
| ## 27 | 0.841989680 | 0.91463224 | 0.82789793 | -0.995999760 | -0.9999708 | -0.9999904 |
| ## 28 | 0.824931370 | 0.86506491 | 0.75706536 | -0.865476590 | -0.9994045 | -0.9920710 |
| ## 29 | 0.834266790 | 0.87930115 | 0.85762233 | -0.886725600 | -0.9996996 | -0.9949675 |
| ## 30 | 0.839989480 | 0.89185775 | 0.84644320 | -0.936281360 | -0.9998960 | -0.9982434 |
| ## 31 | 0.569016850 | 0.65672967 | 0.45807745 | -0.668453410 | -0.9666105 | -0.8743615 |
| ## 32 | 0.569016850 | 0.65672967 | 0.45807745 | -0.580387030 | -0.9637318 | -0.8691062 |
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| ## 34 | 0.838134100 | 0.87370085 | 0.85436239 | -0.932023500 | -0.9998430 | -0.9986569 |
| ## 35 | 0.840774140 | 0.90485372 | 0.84121739 | -0.959897920 | -0.9998722 | -0.9996714 |
| ## 36 | 0.841744230 | 0.91157870 | 0.83012180 | -0.982507660 | -0.9999511 | -0.9999212 |
| ## 37 | 0.845128740 | 0.91218875 | 0.82889477 | -0.993567800 | -0.9999919 | -0.9999572 |
| ## 38 | 0.845523500 | 0.91294464 | 0.82766253 | -0.996641950 | -0.9999962 | -0.9999681 |
| ## 39 | 0.744723600 | 0.89203114 | 0.53805957 | -0.629434620 | -0.9739796 | -0.9989774 |



|       |              |            |            |              |            |            |
|-------|--------------|------------|------------|--------------|------------|------------|
| ## 40 | 0.765240830  | 0.90667361 | 0.61688830 | -0.788442210 | -0.9890423 | -0.9997186 |
| ## 41 | 0.801002120  | 0.90709719 | 0.72701143 | -0.919182400 | -0.9975776 | -0.9998356 |
| ## 42 | 0.828909000  | 0.91061673 | 0.81110596 | -0.981509400 | -0.9997734 | -0.9999617 |
| ## 43 | 0.841813160  | 0.91311774 | 0.83253861 | -0.985043340 | -0.9999478 | -0.9999724 |
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| ## 45 | 0.848176270  | 0.91368827 | 0.82867065 | -0.987798530 | -0.9999597 | -0.9999691 |
| ## 46 | 0.847249020  | 0.91368827 | 0.82462861 | -0.993489950 | -0.9999912 | -0.9999655 |
| ## 47 | 0.847209930  | 0.91324227 | 0.82462861 | -0.994812630 | -0.9999967 | -0.9999753 |
| ## 48 | 0.845679950  | 0.91315922 | 0.82409607 | -0.995418270 | -0.9999964 | -0.9999742 |
| ## 49 | 0.845679950  | 0.91315922 | 0.82409607 | -0.995146420 | -0.9999964 | -0.9999799 |
| ## 50 | 0.846384930  | 0.91367878 | 0.82442470 | -0.994522400 | -0.9999961 | -0.9999746 |
| ## 51 | 0.843936700  | 0.90886150 | 0.82203502 | -0.993591280 | -0.9999954 | -0.9999588 |
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| ## 59 | 0.846109210  | 0.91401564 | 0.82452357 | -0.995936490 | -0.9999979 | -0.9999664 |
| ## 60 | 0.846882340  | 0.91401564 | 0.82452357 | -0.996829710 | -0.9999990 | -0.9999800 |
| ## 61 | 0.847064490  | 0.91445712 | 0.82766661 | -0.997221390 | -0.9999998 | -0.9999809 |
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| ## 63 | 0.845137040  | 0.91329499 | 0.82658666 | -0.996250210 | -0.9999966 | -0.9999739 |
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| ## 67 | -0.033978851 | 0.86892587 | 0.37734712 | -0.612150130 | -0.8472528 | -0.9728988 |
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| ## 70 | 0.001935021  | 0.78104024 | 0.45160555 | -0.704045740 | -0.9380647 | -0.9763032 |
| ## 71 | -0.532611300 | 0.74075538 | 0.45160555 | -0.442638780 | -0.5872657 | -0.9448370 |
| ## 72 | -0.532611300 | 0.74075538 | 0.52001903 | -0.531198610 | -0.6186887 | -0.9565700 |
| ## 73 | 0.554459490  | 0.80125649 | 0.72289027 | -0.744680240 | -0.9561139 | -0.9894868 |
| ## 74 | 0.888443260  | 0.89623078 | 0.84844251 | -0.809364740 | -0.9756903 | -0.9992740 |
| ## 75 | 0.865935630  | 0.90100810 | 0.84202545 | -0.887456010 | -0.9904194 | -0.9997090 |
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| ## 79 | 0.268551030  | 0.45388860 | 0.43995890 | -0.040727264 | -0.6602420 | -0.6325089 |
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| ## 81 | 0.448093240  | 0.41552191 | 0.28386169 | -0.071395993 | -0.8229525 | -0.5603150 |
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| ## 85 | 0.409977930  | 0.47944136 | 0.31201164 | -0.189477650 | -0.8876273 | -0.6020943 |
| ## 86 | 0.363476370  | 0.52292538 | 0.32499810 | -0.137446460 | -0.8726909 | -0.5617718 |
| ## 87 | 0.292404610  | 0.58087297 | 0.40165487 | -0.215052100 | -0.8405364 | -0.6538867 |
| ## 88 | 0.292404610  | 0.53684225 | 0.20261489 | -0.178444890 | -0.8693824 | -0.5900637 |
| ## 89 | 0.376317190  | 0.53684225 | 0.20261489 | -0.191358860 | -0.8897032 | -0.5906594 |

|        |             |            |             |              |            |            |
|--------|-------------|------------|-------------|--------------|------------|------------|
| ## 90  | 0.376317190 | 0.50990221 | 0.31858713  | -0.156442950 | -0.8818864 | -0.5675400 |
| ## 91  | 0.393360770 | 0.40156581 | 0.31858713  | -0.069232292 | -0.8547766 | -0.4685002 |
| ## 92  | 0.393360770 | 0.40156581 | 0.06736621  | -0.116686710 | -0.8664012 | -0.4667799 |
| ## 93  | 0.395420690 | 0.44815299 | 0.06736621  | -0.187520820 | -0.8918165 | -0.5541199 |
| ## 94  | 0.324964710 | 0.43248035 | 0.14841522  | -0.126403770 | -0.8716481 | -0.5299251 |
| ## 95  | 0.285122310 | 0.37716599 | 0.34254524  | -0.102343370 | -0.8449192 | -0.5167279 |
| ## 96  | 0.285122310 | 0.37716599 | 0.29244787  | -0.100271650 | -0.8473422 | -0.5189904 |
| ## 97  | 0.383254400 | 0.49006155 | 0.16851427  | -0.066713560 | -0.8599063 | -0.4536957 |
| ## 98  | 0.453169480 | 0.49006155 | 0.16851427  | -0.112884160 | -0.8867840 | -0.4858744 |
| ## 99  | 0.436835960 | 0.39304486 | 0.23161028  | -0.026701717 | -0.8339675 | -0.4768437 |
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| ## 101 | 0.342702990 | 0.45178632 | 0.39857505  | -0.188370050 | -0.8842059 | -0.5828234 |
| ## 102 | 0.281994930 | 0.38402557 | 0.26566164  | -0.111277630 | -0.8713984 | -0.4731811 |
| ## 103 | 0.281994930 | 0.38402557 | 0.26114895  | -0.096112235 | -0.8605219 | -0.4444410 |
| ## 104 | 0.308557700 | 0.52254357 | 0.25498620  | -0.101355540 | -0.8635490 | -0.4348644 |
| ## 105 | 0.356027580 | 0.56224768 | 0.25498620  | -0.144256700 | -0.8883211 | -0.4896574 |
| ## 106 | 0.387212500 | 0.56390013 | 0.34508546  | -0.206009540 | -0.9054715 | -0.5745335 |
| ## 107 | 0.368354560 | 0.54073242 | 0.31313812  | -0.156382370 | -0.8892348 | -0.5171850 |
| ## 108 | 0.368354560 | 0.42585023 | 0.21831959  | -0.118574410 | -0.8746194 | -0.4889423 |
| ## 109 | 0.392725370 | 0.42585023 | 0.21831959  | -0.098789246 | -0.8645171 | -0.4930598 |
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| ## 114 | 0.264187940 | 0.42149749 | 0.24849065  | -0.138886890 | -0.8554656 | -0.5589935 |
| ## 115 | 0.339315310 | 0.42149749 | 0.32170579  | -0.116486820 | -0.8575538 | -0.5050745 |
| ## 116 | 0.339315310 | 0.48471535 | 0.28219800  | -0.132886220 | -0.8582390 | -0.5260379 |
| ## 117 | 0.457970080 | 0.48471535 | 0.28219800  | -0.168277050 | -0.8798497 | -0.5787397 |
| ## 118 | 0.446592320 | 0.49113978 | 0.24103362  | -0.194755420 | -0.8931552 | -0.6128224 |
| ## 119 | 0.406662820 | 0.52528749 | 0.24103362  | -0.191702330 | -0.8903984 | -0.6071059 |
| ## 120 | 0.404826110 | 0.49022772 | 0.31518358  | -0.232790170 | -0.9126618 | -0.5981994 |
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| ## 122 | 0.415073290 | 0.55422159 | 0.22519610  | -0.149691920 | -0.8756954 | -0.6125712 |
| ## 123 | 0.424170460 | 0.48572827 | 0.22519610  | -0.056643860 | -0.8357906 | -0.5608115 |
| ## 124 | 0.419459860 | 0.48572827 | 0.26809391  | -0.089989782 | -0.8369981 | -0.5342592 |
| ## 125 | 0.377189850 | 0.39000589 | 0.15134199  | -0.197583440 | -0.8917504 | -0.5682849 |
| ## 126 | 0.627813450 | 0.48176099 | 0.26837575  | -0.384212440 | -0.9524036 | -0.7786694 |
| ## 127 | 0.629935140 | 0.02559787 | 0.08763880  | -0.337536320 | -0.9643310 | -0.6517912 |
| ## 128 | 0.028102934 | 0.02559787 | 0.08763880  | -0.068190292 | -0.6753770 | -0.6026857 |
| ## 129 | 0.028102934 | 0.36463504 | 0.05288628  | -0.016046594 | -0.6386027 | -0.6533694 |
| ## 130 | 0.550073500 | 0.36463504 | 0.02475428  | -0.190162780 | -0.8974179 | -0.6917096 |
| ## 131 | 0.172046090 | 0.38146518 | -0.33419789 | 0.017415919  | -0.7230527 | -0.5889816 |
| ## 132 | 0.172046090 | 0.38146518 | -0.33419789 | 0.089238937  | -0.6677618 | -0.5723303 |
| ## 133 | 0.755846090 | 0.33613761 | 0.16753140  | -0.086959155 | -0.8227029 | -0.7106296 |
| ## 134 | 0.741715860 | 0.33613761 | 0.09896378  | -0.233698990 | -0.9038441 | -0.7185344 |
| ## 135 | 0.324962010 | 0.38984686 | -0.18506944 | -0.073635228 | -0.8417159 | -0.5060443 |
| ## 136 | 0.387123940 | 0.40036260 | -0.18506944 | -0.115145340 | -0.8896199 | -0.5316048 |
| ## 137 | 0.090312096 | 0.24357714 | -0.23145919 | 0.142823300  | -0.6047962 | -0.4414570 |
| ## 138 | 0.090312096 | 0.17332676 | -0.36771314 | 0.187780630  | -0.6056757 | -0.4532625 |
| ## 139 | 0.119729280 | 0.17332676 | -0.36771314 | 0.070102431  | -0.8102738 | -0.4413977 |

```

## 140 -0.159494780 0.21754225 0.04744967 0.050862647 -0.7149052 -0.4656705
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## 142 0.775427980 0.25957127 -0.08784568 -0.055952819 -0.8437924 -0.6227608
## 143 0.277073050 0.47244684 -0.07668657 -0.078090877 -0.8164970 -0.6298594
## 144 0.317544320 0.46343917 -0.07668657 -0.091921962 -0.8186373 -0.6282933
## 145 -0.172829860 0.34449694 -0.24419629 0.139081450 -0.5740017 -0.5345356
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## 147 0.159491190 0.14320272 -0.05338371 0.005410363 -0.7183660 -0.6024663
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## 149 0.597192150 0.44901571 0.02363557 -0.074150783 -0.8336492 -0.6006061
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## 151 0.739582340 0.39911866 0.48013558 -0.246016880 -0.9151595 -0.5021535
## 152 0.726837000 0.43174348 0.54185730 -0.316715140 -0.9592705 -0.5252637
## 153 0.726837000 0.37263101 0.18358265 -0.060699639 -0.6901987 -0.5012061
## 154 0.547285400 0.37263101 0.18358265 -0.003679062 -0.6625931 -0.4937238
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## 164 0.588112070 0.41196144 0.41959138 -0.242727350 -0.8722804 -0.6460433
## 165 0.553076520 0.45767216 0.62593188 -0.231243800 -0.8797141 -0.6031707
## 166 0.553076520 0.61380853 0.59389760 -0.195796990 -0.8833495 -0.5626859
## 167 0.550330040 0.51853088 0.59389760 -0.319904170 -0.9339760 -0.5864329
## 168 0.820550970 0.38446632 0.44731933 -0.078313799 -0.7786068 -0.5215230
## 169 0.780282720 0.46993584 0.44731933 -0.208141790 -0.8864810 -0.5277995
## 170 0.780282720 0.32585094 0.32250771 0.013316809 -0.6789291 -0.4413240
## 171 0.467712900 0.32585094 0.32250771 0.033247319 -0.6690244 -0.4721262
## 172 0.467712900 0.52134398 0.51044037 -0.276132570 -0.9146620 -0.6321996
## 173 0.540858370 0.40733398 0.51044037 -0.329679850 -0.8867130 -0.7086624
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## 175 0.490528330 0.49945229 0.53262456 -0.184112090 -0.8854132 -0.5393272
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##      NA      NA      NA      NA      NA
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## 6 -0.9997780 -0.98533726 -0.992994030 -0.9837056 -0.363801070 -  
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| ## 19 | -0.269465670 | 0.012054002  | -0.16493906 | 0.4052564400  | -0.155919580 |
| ## 20 | -0.277121390 | 0.195695480  | -0.22192628 | 0.2294152600  | 0.267022140  |
| ## 21 | -0.478366310 | 0.262399020  | -0.23988372 | 0.3921209500  | -0.142428930 |
| ## 22 | -0.442424960 | 0.245322210  | -0.19125220 | 0.4807134000  | -0.363967650 |
| ## 23 | -0.503953790 | 0.177324350  | -0.10964209 | 0.4581095100  | -0.291514020 |
| ## 24 | -0.843517490 | 0.308733360  | -0.20241645 | 0.3607885100  | 0.034204579  |
| ## 25 | -0.692538780 | 0.062293136  | -0.05903722 | 0.1462723700  | 0.025209101  |
| ## 26 | -0.518857850 | -0.175729690 | 0.10454487  | 0.0438364310  | 0.178283890  |
| ## 27 | -0.546247660 | -0.041037194 | -0.03535085 | 0.2191433700  | 0.036450384  |
| ## 28 | 0.230846230  | -0.246060150 | 0.08278863  | 0.2837746400  | -0.274879940 |
| ## 29 | 0.213591120  | 0.065405090  | -0.06993331 | 0.2849507400  | -0.409712970 |
| ## 30 | 0.293270250  | 0.064430162  | -0.01876075 | 0.0878857170  | -0.174083030 |
| ## 31 | 0.279205940  | -0.558652880 | 0.34578108  | 0.0074490102  | 0.011415148  |
| ## 32 | 0.191222050  | -0.523733250 | 0.32098514  | -0.0009580482 | 0.043664226  |
| ## 33 | 0.254298930  | -0.281020600 | 0.12667573  | 0.2725068000  | -0.328588950 |
| ## 34 | 0.203379460  | 0.004089088  | -0.15722846 | 0.4338486500  | -0.290341900 |
| ## 35 | 0.201264480  | 0.162757500  | -0.19701492 | 0.5783372200  | -0.766885770 |
| ## 36 | 0.010590246  | 0.097336738  | -0.07209703 | 0.2922691200  | -0.461744640 |
| ## 37 | -0.315411770 | 0.274523100  | -0.22733444 | 0.4138118900  | -0.417444470 |
| ## 38 | -0.639316230 | 0.348242650  | -0.27241373 | 0.4602474700  | -0.321647260 |
| ## 39 | -1.000000000 | 0.139027030  | -0.37776634 | 0.5210587700  | -0.049962700 |
| ## 40 | -1.000000000 | -0.207151580 | 0.04449585  | -0.0188835250 | 0.324007960  |
| ## 41 | -0.921424400 | -0.258992960 | 0.12333014  | 0.0651477040  | 0.008700858  |
| ## 42 | -0.466129180 | -0.035023234 | -0.01752243 | 0.1495007300  | -0.116341740 |
| ## 43 | 0.044679634  | 0.028506460  | -0.03334072 | 0.1368608700  | -0.128630110 |
| ## 44 | 0.015421898  | 0.103703880  | -0.12851869 | 0.2507281300  | -0.218519860 |
| ## 45 | -0.067077359 | 0.425494700  | -0.33955823 | 0.3749608800  | -0.377698400 |
| ## 46 | -0.302627300 | 0.361330540  | -0.17295759 | 0.2099995400  | -0.335768060 |
| ## 47 | -0.321839170 | 0.176314230  | 0.02338090  | 0.0407053380  | -0.093196295 |
| ## 48 | -0.643461460 | 0.168927860  | -0.04761226 | 0.1515058900  | -0.032319117 |
| ## 49 | -0.506210830 | 0.425840970  | -0.32836742 | 0.4939127900  | -0.239989170 |
| ## 50 | -0.324227540 | 0.472365160  | -0.38749455 | 0.5079510200  | -0.161750400 |
| ## 51 | -0.560586510 | 0.273811030  | -0.13173695 | 0.2824653100  | -0.124247570 |
| ## 52 | 0.915183180  | -0.187157350 | -0.04759388 | 0.2839454700  | 0.025213017  |
| ## 53 | 0.755127290  | 0.061373474  | -0.19231545 | 0.3475355700  | -0.144848390 |
| ## 54 | -0.048775850 | 0.025608095  | -0.05346935 | 0.1923547300  | -0.201876550 |
| ## 55 | -1.000000000 | 0.206947380  | -0.11819176 | 0.1812746500  | -0.257371320 |

|        |              |              |             |               |              |
|--------|--------------|--------------|-------------|---------------|--------------|
| ## 56  | -1.000000000 | 0.277435240  | -0.13710896 | 0.2284556400  | -0.251697010 |
| ## 57  | -0.939956110 | 0.279139060  | -0.23789143 | 0.3784234400  | -0.251518890 |
| ## 58  | -0.622629040 | 0.338619440  | -0.28695881 | 0.4780267600  | -0.248684280 |
| ## 59  | -0.622931220 | 0.349444000  | -0.23260230 | 0.3474586800  | -0.049971817 |
| ## 60  | -0.542768230 | 0.090106962  | 0.00970623  | 0.1268117600  | 0.044762403  |
| ## 61  | -0.512503090 | 0.530501440  | -0.41293831 | 0.5843930400  | -0.062325520 |
| ## 62  | -0.528694240 | 0.533130690  | -0.29411200 | 0.4608752900  | 0.078609924  |
| ## 63  | -0.573314230 | 0.387682690  | -0.21217907 | 0.3446143700  | 0.080085229  |
| ## 64  | -0.558494220 | 0.373819690  | -0.30349114 | 0.4647072300  | -0.025297583 |
| ## 65  | 0.791073380  | -0.483855970 | 0.47584002  | -0.6450050600 | 0.720755720  |
| ## 66  | 0.811027000  | -0.273082970 | -0.05731095 | 0.4480762600  | -0.149283480 |
| ## 67  | 0.438112750  | -0.933199520 | 0.72391530  | -0.2000650200 | -0.032652103 |
| ## 68  | 0.498684600  | -0.873324040 | 0.65820890  | -0.1498068600 | -0.031941383 |
| ## 69  | 0.542253270  | -0.509506500 | 0.31334142  | -0.0428534930 | 0.157304210  |
| ## 70  | 0.075057473  | -0.420595270 | 0.29394571  | 0.0148201290  | -0.009009970 |
| ## 71  | -0.047418798 | -0.693229540 | 0.47096462  | -0.0404152760 | 0.030457632  |
| ## 72  | 0.414256560  | -0.586389700 | 0.34201982  | 0.0526751820  | 0.051508498  |
| ## 73  | 0.356223880  | -0.487565150 | 0.16366768  | 0.3704347400  | -0.279350330 |
| ## 74  | 0.378919750  | -0.081085902 | -0.03398814 | 0.3025589100  | -0.292004460 |
| ## 75  | 0.203081940  | 0.054780281  | -0.10799744 | 0.2925869500  | -0.290649320 |
| ## 76  | -0.034677501 | -0.045939435 | -0.07080621 | 0.1824374900  | -0.003354002 |
| ## 77  | -0.623975050 | -0.013863529 | -0.06057845 | 0.2411130700  | -0.176192600 |
| ## 78  | -0.814193110 | -0.046303312 | -0.02402228 | 0.3253298900  | -0.353433600 |
| ## 79  | 0.504825450  | -0.759438350 | 0.59799210  | -0.0505233780 | -0.274543270 |
| ## 80  | 0.328029460  | -0.532186030 | 0.36241948  | 0.2613899600  | -0.427251560 |
| ## 81  | 0.341290270  | -0.450896400 | 0.27696661  | 0.3307591600  | -0.445587130 |
| ## 82  | 0.293201470  | -0.546237880 | 0.48889704  | -0.0473957770 | -0.060387281 |
| ## 83  | 0.177590980  | -0.473764630 | 0.36114406  | 0.1968676100  | -0.269051650 |
| ## 84  | 0.185961880  | -0.268892910 | 0.14230884  | 0.4640891000  | -0.359309820 |
| ## 85  | 0.340294890  | -0.304829840 | 0.22231832  | 0.3403967000  | -0.267527410 |
| ## 86  | 0.389780340  | -0.259090060 | 0.15507810  | 0.4338025400  | -0.336123530 |
| ## 87  | 0.242617600  | -0.462386950 | 0.25938451  | 0.4251776900  | -0.567657590 |
| ## 88  | 0.358188900  | -0.276735000 | 0.18608549  | 0.3784436800  | -0.281027720 |
| ## 89  | 0.378567620  | -0.325276690 | 0.26148103  | 0.2625072500  | -0.199971850 |
| ## 90  | 0.300669160  | -0.479004900 | 0.42531739  | 0.0710285600  | -0.120792140 |
| ## 91  | 0.164140800  | -0.525566810 | 0.51767974  | -0.1263140900 | 0.109125990  |
| ## 92  | 0.236232460  | -0.475683040 | 0.47392161  | -0.0969925960 | 0.086009213  |
| ## 93  | 0.343062310  | -0.448448880 | 0.42091390  | 0.0078189624  | -0.071294856 |
| ## 94  | 0.438677910  | -0.468282120 | 0.41596762  | 0.0447299610  | -0.085877242 |
| ## 95  | 0.375613410  | -0.499844210 | 0.42797355  | 0.0707978370  | -0.126077110 |
| ## 96  | 0.215057530  | -0.476402310 | 0.44877559  | 0.0103345620  | -0.031009418 |
| ## 97  | 0.230621640  | -0.353397140 | 0.31214598  | 0.2035555700  | -0.182112300 |
| ## 98  | 0.354977080  | -0.361205630 | 0.28902644  | 0.2580758700  | -0.309016600 |
| ## 99  | 0.251709700  | -0.567553110 | 0.43237347  | 0.1308801900  | -0.308874280 |
| ## 100 | 0.300307820  | -0.511000210 | 0.39585102  | 0.1619219100  | -0.233555690 |
| ## 101 | 0.355327740  | -0.167403130 | 0.19193903  | 0.1850354800  | 0.036471683  |
| ## 102 | 0.427183540  | -0.042091434 | 0.11449877  | 0.2289139000  | 0.084040401  |
| ## 103 | 0.333209570  | -0.155561680 | 0.13567114  | 0.2720598800  | -0.072742619 |
| ## 104 | 0.197042560  | -0.313915100 | 0.28838963  | 0.1785106000  | -0.156700940 |
| ## 105 | 0.258613790  | -0.275509520 | 0.27646263  | 0.2018800000  | -0.170076760 |

|        |              |              |            |               |              |
|--------|--------------|--------------|------------|---------------|--------------|
| ## 106 | 0.306710430  | -0.332090310 | 0.33712298 | 0.0636428820  | 0.039909088  |
| ## 107 | 0.387833070  | -0.357356420 | 0.38821802 | 0.0215058300  | 0.053796472  |
| ## 108 | 0.472370170  | -0.281954660 | 0.17059151 | 0.4407381800  | -0.347159830 |
| ## 109 | 0.345295860  | -0.367766560 | 0.29314761 | 0.2437302300  | -0.239527490 |
| ## 110 | 0.200931700  | -0.408983050 | 0.39038324 | 0.0811614940  | -0.116165810 |
| ## 111 | 0.317410960  | -0.470336540 | 0.46085926 | -0.0181943530 | -0.056148304 |
| ## 112 | 0.286356460  | -0.466511090 | 0.28115000 | 0.3317210200  | -0.541149120 |
| ## 113 | 0.422103070  | -0.420698010 | 0.24527048 | 0.3761933400  | -0.521502640 |
| ## 114 | 0.401881620  | -0.469249730 | 0.34447571 | 0.2283338800  | -0.355095390 |
| ## 115 | 0.326082200  | -0.488804690 | 0.45536431 | -0.0102447290 | -0.048864545 |
| ## 116 | 0.411706300  | -0.375266320 | 0.31277598 | 0.1854258000  | -0.186417330 |
| ## 117 | 0.367768390  | -0.365436380 | 0.30175841 | 0.2260057000  | -0.273916970 |
| ## 118 | 0.303880980  | -0.380859560 | 0.38055485 | 0.0401766720  | -0.047949916 |
| ## 119 | 0.360136170  | -0.313849710 | 0.23311309 | 0.2908523100  | -0.249219980 |
| ## 120 | 0.450103350  | -0.301768940 | 0.17773980 | 0.4374868000  | -0.422935470 |
| ## 121 | 0.404599950  | -0.318984240 | 0.22419267 | 0.3347567500  | -0.275051630 |
| ## 122 | 0.299986450  | -0.268003820 | 0.10570660 | 0.6039221700  | -0.595725840 |
| ## 123 | 0.408515170  | -0.364063080 | 0.16282745 | 0.5564622800  | -0.671581480 |
| ## 124 | 0.558505680  | -0.443861790 | 0.28245485 | 0.3049491400  | -0.382235650 |
| ## 125 | 0.432678840  | -0.416741240 | 0.33826383 | 0.1845736800  | -0.229671010 |
| ## 126 | 0.348877690  | -0.248175620 | 0.29488048 | 0.0969923540  | -0.129699540 |
| ## 127 | 0.251171110  | -0.191792690 | 0.23208940 | 0.2159258800  | -0.193511480 |
| ## 128 | 0.314199150  | -0.588862950 | 0.47284365 | -0.0725389040 | -0.170171310 |
| ## 129 | 0.372401590  | -0.498483650 | 0.32469543 | 0.1871953400  | -0.372646930 |
| ## 130 | 0.358714780  | -0.400158040 | 0.27420662 | 0.2258664800  | -0.359991660 |
| ## 131 | 0.368461300  | -0.435698070 | 0.35700375 | -0.0040025488 | -0.200358670 |
| ## 132 | 0.232482040  | -0.295313580 | 0.17781094 | 0.2349749100  | -0.381890980 |
| ## 133 | 0.331241280  | -0.270414540 | 0.13832919 | 0.3367807900  | -0.509073410 |
| ## 134 | 0.396229050  | -0.435338520 | 0.34487227 | 0.0472809410  | -0.250143220 |
| ## 135 | 0.534515380  | -0.571622830 | 0.43637380 | 0.0534505060  | -0.307870460 |
| ## 136 | 0.647477090  | -0.487555730 | 0.38542124 | 0.0263083650  | -0.214704970 |
| ## 137 | 0.584886490  | -0.638639630 | 0.55977574 | -0.2870913700 | 0.069642209  |
| ## 138 | 0.376139290  | -0.535383420 | 0.42768655 | -0.0999235830 | -0.078959694 |
| ## 139 | 0.401408820  | -0.417716330 | 0.32662341 | -0.0232417660 | -0.097809597 |
| ## 140 | 0.367768390  | -0.748250940 | 0.63836971 | -0.2421912000 | -0.019323682 |
| ## 141 | 0.249906550  | -0.626717710 | 0.46910607 | 0.0022419661  | -0.195246480 |
| ## 142 | 0.507219190  | -0.291563990 | 0.20750063 | 0.1664407200  | -0.338983290 |
| ## 143 | 0.334835470  | -0.403705220 | 0.27600970 | 0.2671936200  | -0.528100840 |
| ## 144 | 0.541081170  | -0.398194340 | 0.28530644 | 0.2190297300  | -0.461997790 |
| ## 145 | 0.341797750  | -0.618684720 | 0.49755620 | -0.0325628090 | -0.273111960 |
| ## 146 | 0.215144390  | -0.710458150 | 0.60669083 | -0.1685788500 | -0.173019960 |
| ## 147 | 0.432342630  | -0.464596960 | 0.33258331 | 0.0580608070  | -0.184802070 |
| ## 148 | 0.310987330  | -0.465304050 | 0.35634193 | -0.0360378740 | -0.065312005 |
| ## 149 | 0.166669910  | -0.497120880 | 0.41472163 | -0.1054845900 | -0.059737173 |
| ## 150 | 0.385931580  | -0.492340280 | 0.37986073 | 0.0594579980  | -0.311948760 |
| ## 151 | 0.007833277  | -0.480523900 | 0.33606210 | 0.1013835500  | -0.225921460 |
| ## 152 | 0.123370180  | -0.322098520 | 0.15028105 | 0.3055636300  | -0.220440820 |
| ## 153 | -0.068882724 | -0.500899930 | 0.30281541 | 0.1822175900  | -0.311012120 |
| ## 154 | 0.215144390  | -0.640622380 | 0.47023106 | -0.0400698340 | -0.141153770 |
| ## 155 | 0.495913990  | -0.605203290 | 0.41021115 | 0.0895522160  | -0.219361080 |

|        |               |              |              |               |               |
|--------|---------------|--------------|--------------|---------------|---------------|
| ## 156 | 0.392334520   | -0.453529460 | 0.22157925   | 0.3638699400  | -0.440295630  |
| ## 157 | 0.438520630   | -0.363860110 | 0.15786803   | 0.3651911200  | -0.399820920  |
| ## 158 | 0.418832090   | -0.473999640 | 0.31417378   | 0.1700852500  | -0.332891320  |
| ## 159 | 0.141557210   | -0.393151920 | 0.18928189   | 0.3757291400  | -0.428148830  |
| ## 160 | 0.260278690   | -0.381607650 | 0.22643501   | 0.2718389600  | -0.307071060  |
| ## 161 | 0.151875370   | -0.424210240 | 0.24873056   | 0.1689821800  | -0.236933990  |
| ## 162 | 0.235772590   | -0.377450870 | 0.22642573   | 0.1187313700  | -0.164519220  |
| ## 163 | 0.223245820   | -0.525288990 | 0.37277329   | 0.0388546260  | -0.170694050  |
| ## 164 | 0.261825610   | -0.605404270 | 0.44498566   | 0.0050380832  | -0.183199110  |
| ## 165 | 0.431186780   | -0.663383200 | 0.56137820   | -0.2025433500 | -0.056008785  |
| ## 166 | 0.315319630   | -0.484501820 | 0.30469118   | 0.1466357300  | -0.263159160  |
| ## 167 | 0.236030200   | -0.517621940 | 0.34887541   | 0.1078854900  | -0.174460850  |
| ## 168 | 0.067751090   | -0.536531920 | 0.37216343   | 0.0593264560  | -0.219395220  |
| ## 169 | 0.187853460   | -0.595920430 | 0.47460726   | -0.0568970220 | -0.143134180  |
| ## 170 | 0.144689220   | -0.534266770 | 0.33742078   | 0.1517958600  | -0.284874260  |
| ## 171 | 0.197067640   | -0.546161830 | 0.36435790   | 0.0773570480  | -0.209092120  |
| ## 172 | 0.273933440   | -0.667870340 | 0.56540747   | -0.1514287600 | -0.088667917  |
| ## 173 | 0.228666240   | -0.533928890 | 0.38565283   | 0.0502286720  | -0.190528750  |
| ## 174 | 0.362037660   | -0.596426110 | 0.36486110   | 0.2390723600  | -0.411994320  |
| ## 175 | 0.367803670   | -0.545789330 | 0.32493379   | 0.3175392300  | -0.542337320  |
| ## 176 | 0.305445870   | -0.445196780 | 0.26720720   | 0.2910760800  | -0.475912890  |
| ## 177 | -0.666956390  | 0.495035120  | -0.79160289  | 0.8689451500  | -0.069323504  |
| ##     | NA            | NA           | NA           | NA            | NA            |
| ## 1   | 1.0000000000  | -0.972971390 | 0.316654510  | 0.375726410   | 0.7233991900  |
| ## 2   | -0.0470318090 | -0.064949068 | 0.117686610  | 0.081691287   | 0.0423640400  |
| ## 3   | 0.0323115580  | -0.127879260 | 0.114924260  | 0.125398290   | 0.1120920500  |
| ## 4   | 0.0445532340  | -0.125193310 | 0.078321232  | 0.177027580   | 0.1934016500  |
| ## 5   | -0.1632209000 | 0.186459650  | -0.434916170 | 0.650136770   | 0.2399500700  |
| ## 6   | -0.1196924300 | 0.150617030  | -0.380937330 | 0.573308540   | 0.1037746400  |
| ## 7   | -0.0468875550 | -0.054896524 | 0.063395367  | 0.240145870   | 0.0175826610  |
| ## 8   | -0.0858852630 | -0.013247702 | -0.053852950 | 0.366075450   | 0.1657064100  |
| ## 9   | -0.1710221100 | 0.040170943  | 0.229182820  | -0.027345769  | 0.1813357600  |
| ## 10  | -0.2040347800 | 0.075507804  | 0.136991990  | 0.210594290   | -0.0822568230 |
| ## 11  | -0.1853922400 | 0.077083572  | 0.062205217  | 0.298176460   | -0.0701909850 |
| ## 12  | 0.0059400482  | -0.039328794 | 0.124843630  | 0.138644560   | 0.2344542300  |
| ## 13  | 0.1389326100  | -0.172233230 | 0.304293970  | -0.145814260  | 0.3602199000  |
| ## 14  | 0.1996714300  | -0.207251030 | 0.386044200  | -0.115930660  | 0.2615177000  |
| ## 15  | 0.0655366580  | -0.258422490 | 0.193586330  | 0.237530960   | -0.0125142720 |
| ## 16  | -0.0918231630 | 0.040956067  | -0.072000061 | 0.115801310   | 0.0460112920  |
| ## 17  | -0.2103694200 | 0.124735740  | -0.093569267 | 0.148133470   | 0.1862910300  |
| ## 18  | -0.1698509800 | 0.088359656  | -0.161130800 | 0.374685300   | 0.2057262500  |
| ## 19  | -0.1810636300 | 0.096079629  | -0.049897808 | 0.184759600   | 0.1784831500  |
| ## 20  | 0.0073890131  | -0.113453640 | 0.201698470  | -0.004428769  | 0.1456562500  |
| ## 21  | 0.1700668200  | -0.171094020 | 0.290009410  | -0.145300660  | 0.4697768300  |
| ## 22  | 0.2150033600  | -0.216748930 | 0.448786840  | -0.307667780  | 0.5498062400  |
| ## 23  | 0.1463022900  | -0.144025430 | 0.246490060  | -0.020293652  | 0.4453434700  |
| ## 24  | 0.1542391200  | -0.129970890 | 0.241788230  | -0.103947110  | 0.6426101700  |
| ## 25  | 0.1445524300  | -0.080118956 | 0.187668220  | -0.123373340  | 0.7424880500  |
| ## 26  | 0.1241839900  | -0.048459105 | 0.092720868  | 0.047553244   | 0.7328511700  |
| ## 27  | 0.2799874600  | -0.164788430 | 0.197222890  | 0.057836815   | 0.5825762900  |

|       |               |              |              |              |               |
|-------|---------------|--------------|--------------|--------------|---------------|
| ## 28 | -0.4086606400 | 0.280127750  | 0.003717856  | -0.114275050 | -0.1336149500 |
| ## 29 | -0.2596698600 | 0.155927700  | -0.054887477 | 0.063705374  | 0.4033406300  |
| ## 30 | 0.0455756850  | -0.119512200 | 0.268225120  | -0.255044880 | 0.0591736600  |
| ## 31 | -0.7997929100 | 0.658900460  | -0.460237670 | 0.339319290  | -0.8031181700 |
| ## 32 | -0.6901207400 | 0.517910360  | -0.277261600 | 0.234407300  | -0.6326472500 |
| ## 33 | -0.1719744300 | 0.041519868  | 0.225715110  | -0.182117130 | -0.1736715000 |
| ## 34 | -0.0592009810 | -0.084768539 | 0.302304460  | -0.189324610 | 0.1587814500  |
| ## 35 | 0.1288018400  | -0.107542720 | 0.243867280  | -0.378765280 | 0.2640592100  |
| ## 36 | 0.1667742700  | -0.110296600 | 0.059409527  | -0.024308777 | 0.2411555500  |
| ## 37 | 0.1265625200  | -0.055531757 | 0.046630480  | 0.097884313  | 0.2465073400  |
| ## 38 | 0.0268796170  | 0.037886066  | 0.089424404  | 0.056578389  | 0.3934470100  |
| ## 39 | -0.0254631690 | -0.077475399 | 0.114779170  | 0.038429680  | -0.2069566600 |
| ## 40 | -0.1628609700 | 0.132221330  | -0.079319091 | 0.039058154  | -0.1645525000 |
| ## 41 | -0.1028369900 | 0.056837115  | 0.010875074  | 0.006716147  | -0.0246670590 |
| ## 42 | 0.1561355600  | -0.104174570 | 0.266244070  | -0.233500800 | 0.1176035900  |
| ## 43 | 0.2171422100  | -0.148990730 | 0.248332800  | -0.160777890 | 0.0841678180  |
| ## 44 | 0.1143969300  | -0.015729686 | -0.054788957 | 0.118043120  | 0.2982075700  |
| ## 45 | 0.0133228650  | 0.021878410  | 0.031119714  | -0.003832468 | 0.3192744600  |
| ## 46 | 0.1008612600  | -0.110932540 | 0.262061500  | -0.123957150 | 0.3148107300  |
| ## 47 | 0.1451615400  | -0.107315690 | 0.034380194  | 0.248404490  | 0.3278837800  |
| ## 48 | 0.0161529200  | 0.041468027  | -0.144161760 | 0.264484840  | 0.1020982100  |
| ## 49 | 0.0426656470  | 0.021735864  | 0.057744568  | -0.066759218 | 0.2572481000  |
| ## 50 | 0.0951390520  | 0.031616380  | -0.162557540 | 0.167451760  | 0.3426707400  |
| ## 51 | 0.0224549400  | 0.044878873  | -0.209201550 | 0.331511860  | 0.1658671700  |
| ## 52 | -0.5243985800 | 0.526520920  | -0.431197520 | 0.362640410  | -0.5247967100 |
| ## 53 | 0.0981378600  | -0.128814140 | 0.040503424  | 0.196634420  | -0.1945870700 |
| ## 54 | 0.1918029700  | -0.175185970 | 0.139221010  | 0.057553502  | 0.0661549230  |
| ## 55 | 0.0088913876  | -0.097770771 | 0.180774740  | 0.060732003  | 0.1480252600  |
| ## 56 | -0.0667394650 | -0.027421226 | 0.183970170  | -0.010901646 | 0.3484609200  |
| ## 57 | 0.0301135450  | -0.144738330 | 0.270954800  | 0.054683970  | 0.3091047800  |
| ## 58 | 0.0378828760  | -0.076040032 | 0.039529017  | 0.243131370  | 0.1499189500  |
| ## 59 | -0.0161941330 | -0.003906293 | -0.139759180 | 0.366312320  | 0.4101527700  |
| ## 60 | 0.0704130910  | -0.120859230 | 0.018991945  | 0.275833400  | 0.4272522300  |
| ## 61 | 0.0511751760  | -0.049352462 | 0.034536015  | 0.075228798  | 0.3864985000  |
| ## 62 | -0.0162774300 | 0.006778372  | -0.110332230 | 0.311549660  | 0.3808663800  |
| ## 63 | 0.1372344200  | -0.222272200 | 0.202226630  | 0.176634760  | 0.2461179200  |
| ## 64 | -0.0093156390 | -0.034178590 | 0.061987757  | 0.126959220  | 0.3074057200  |
| ## 65 | 0.0053962989  | 0.094128802  | -0.214610380 | 0.112963960  | -0.0833655490 |
| ## 66 | -0.1772341100 | 0.189769140  | -0.271915060 | 0.234794460  | -0.0760458530 |
| ## 67 | -0.5239511000 | 0.490608910  | -0.348035290 | 0.154536520  | -0.4159947300 |
| ## 68 | -0.4876134500 | 0.445629420  | -0.295493890 | 0.122618950  | -0.3989683500 |
| ## 69 | -0.2585540300 | 0.201800310  | -0.118061350 | 0.073429053  | -0.1886999900 |
| ## 70 | -0.1626219100 | 0.173282980  | -0.184690760 | 0.182411470  | -0.4941057600 |
| ## 71 | -0.2283909200 | 0.232632670  | 0.059361673  | -0.128277470 | -0.3706536900 |
| ## 72 | -0.2544823200 | 0.257318540  | 0.089681257  | -0.142683380 | -0.2199762500 |
| ## 73 | -0.4317781900 | 0.306886680  | -0.030597378 | 0.060928718  | -0.4473804200 |
| ## 74 | -0.1042937400 | 0.119442630  | 0.089930695  | -0.320953350 | -0.0223194270 |
| ## 75 | -0.0808008660 | 0.077731281  | 0.274652830  | -0.531425530 | 0.2357314700  |
| ## 76 | 0.1218521200  | -0.079979646 | 0.124791390  | -0.194614500 | 0.3283127300  |
| ## 77 | 0.1732526700  | -0.078851724 | 0.103660270  | -0.008242749 | 0.2948211300  |

|        |               |              |              |              |               |
|--------|---------------|--------------|--------------|--------------|---------------|
| ## 78  | 0.1450336400  | -0.028333042 | 0.220215960  | -0.017427241 | 0.4007228900  |
| ## 79  | -0.5151807800 | 0.510638230  | -0.375723870 | 0.202351270  | -0.0224238410 |
| ## 80  | -0.4651137800 | 0.461711950  | -0.388177670 | 0.302660760  | 0.0313224030  |
| ## 81  | -0.2609378000 | 0.246592530  | -0.201314980 | 0.263125980  | -0.0236322770 |
| ## 82  | -0.2282215900 | 0.195290210  | 0.043596166  | 0.016330567  | -0.0351217890 |
| ## 83  | -0.2648452500 | 0.252758190  | -0.068664096 | 0.071030981  | -0.2310023200 |
| ## 84  | -0.2534003900 | 0.285430370  | -0.265250290 | 0.262391610  | -0.2972543100 |
| ## 85  | -0.2878322100 | 0.344318070  | -0.387937670 | 0.377269020  | -0.2529340400 |
| ## 86  | -0.1207479100 | 0.125914170  | -0.028692301 | 0.076916450  | -0.1974602000 |
| ## 87  | -0.4571042000 | 0.463008970  | -0.418192570 | 0.337561480  | -0.3262670400 |
| ## 88  | -0.3603807000 | 0.377389440  | -0.444217410 | 0.477243260  | -0.1190789200 |
| ## 89  | -0.1615702700 | 0.124971800  | -0.060667895 | 0.179841990  | 0.0059524414  |
| ## 90  | -0.2660028300 | 0.277499780  | -0.197515590 | 0.222042830  | -0.0536999780 |
| ## 91  | -0.3445042600 | 0.394515590  | -0.478770680 | 0.506915290  | -0.0506480040 |
| ## 92  | -0.3156798700 | 0.379156460  | -0.443869250 | 0.425537980  | -0.0405175100 |
| ## 93  | -0.4181897000 | 0.517175290  | -0.665712070 | 0.597383190  | -0.0921392290 |
| ## 94  | -0.3832660300 | 0.426849060  | -0.405173120 | 0.331216340  | -0.0650445600 |
| ## 95  | -0.3541287400 | 0.364517270  | -0.215752250 | 0.163274000  | -0.0690566180 |
| ## 96  | -0.3057404900 | 0.367103360  | -0.352145090 | 0.367345240  | -0.0495741470 |
| ## 97  | -0.2738156000 | 0.329615950  | -0.297769050 | 0.313234630  | -0.2061373800 |
| ## 98  | -0.2660190900 | 0.257058560  | -0.074158462 | 0.046850359  | -0.3637709000 |
| ## 99  | -0.3027417100 | 0.268808830  | -0.079079176 | 0.077875235  | -0.1298425100 |
| ## 100 | -0.3921374800 | 0.378912960  | -0.283448120 | 0.265934230  | -0.0444088640 |
| ## 101 | -0.3814874600 | 0.474423450  | -0.577511230 | 0.552575040  | -0.1085412600 |
| ## 102 | -0.1190635800 | 0.222899800  | -0.263081210 | 0.319201360  | 0.0460808910  |
| ## 103 | -0.1692714100 | 0.258303180  | -0.301060340 | 0.346182930  | 0.0140391480  |
| ## 104 | -0.2811007800 | 0.311646010  | -0.247055910 | 0.280026630  | -0.4025212800 |
| ## 105 | -0.1765390700 | 0.175850720  | -0.065785980 | 0.147127860  | -0.2745457200 |
| ## 106 | -0.2352346200 | 0.249678620  | -0.272231800 | 0.373828280  | -0.0224353130 |
| ## 107 | -0.1717455100 | 0.180918950  | -0.168473130 | 0.303697410  | 0.0264824400  |
| ## 108 | -0.1511577100 | 0.108897980  | -0.005512095 | 0.181637170  | 0.0317944550  |
| ## 109 | -0.3362494400 | 0.343350410  | -0.320469920 | 0.378749360  | 0.0218591020  |
| ## 110 | -0.4204592700 | 0.470942900  | -0.475115660 | 0.435316720  | -0.1660204300 |
| ## 111 | -0.4065225100 | 0.428212870  | -0.310120440 | 0.198518870  | -0.3309667100 |
| ## 112 | -0.1981452100 | 0.248915650  | -0.252401670 | 0.288102470  | -0.0827830270 |
| ## 113 | -0.2044634800 | 0.232893200  | -0.349063100 | 0.474607660  | 0.0298850410  |
| ## 114 | -0.2106362100 | 0.236233510  | -0.208452000 | 0.278898760  | -0.2245144800 |
| ## 115 | -0.2077500900 | 0.213879660  | -0.132012420 | 0.205112730  | -0.1466693500 |
| ## 116 | -0.1498158600 | 0.151927360  | -0.038623954 | 0.089500662  | 0.0388719040  |
| ## 117 | -0.2264565200 | 0.248666470  | -0.179675030 | 0.211583450  | -0.0232002050 |
| ## 118 | -0.2847703300 | 0.342075030  | -0.434323470 | 0.467046320  | -0.1479959600 |
| ## 119 | -0.2128445300 | 0.219444340  | -0.159137850 | 0.202265220  | -0.1113971100 |
| ## 120 | -0.2968632700 | 0.265477790  | -0.075661670 | 0.077134289  | -0.2405086500 |
| ## 121 | -0.3122756500 | 0.297314420  | -0.184592250 | 0.196735240  | -0.2715784500 |
| ## 122 | -0.4213211600 | 0.462439180  | -0.479786010 | 0.423281210  | -0.1808111200 |
| ## 123 | -0.4269612700 | 0.446468440  | -0.387894550 | 0.291004000  | -0.2442981500 |
| ## 124 | -0.3449110800 | 0.320786400  | -0.176794540 | 0.131798610  | -0.5531141500 |
| ## 125 | -0.3335211400 | 0.321460100  | -0.173539600 | 0.170820680  | -0.3894172200 |
| ## 126 | -0.0082576075 | 0.026628929  | 0.065847870  | 0.074777575  | 0.2167050100  |
| ## 127 | -0.0158083310 | 0.151863980  | -0.261871070 | 0.441725720  | -0.1170053700 |



|        |               |              |              |              |               |
|--------|---------------|--------------|--------------|--------------|---------------|
| ## 128 | 0.1367969700  | 0.020943891  | -0.042492478 | 0.143302960  | -0.1621089900 |
| ## 129 | 0.0936326010  | -0.028808060 | 0.130565120  | -0.057738964 | -0.1307682400 |
| ## 130 | -0.2016103700 | 0.235486440  | -0.141183570 | 0.161937140  | -0.2972053000 |
| ## 131 | -0.2074606100 | 0.259904490  | -0.088998084 | -0.009995090 | -0.1825805600 |
| ## 132 | -0.0433014700 | 0.090138876  | 0.082579172  | -0.129584070 | -0.1895190400 |
| ## 133 | 0.0912647500  | -0.071227219 | 0.216108140  | -0.070282954 | -0.2395378200 |
| ## 134 | 0.0794626000  | 0.013546589  | 0.099545370  | -0.025315808 | -0.1050025300 |
| ## 135 | -0.0101995170 | 0.135633520  | -0.059698596 | 0.126996250  | -0.3146283800 |
| ## 136 | -0.0801299540 | 0.173959340  | -0.137609350 | 0.228467680  | -0.3378602300 |
| ## 137 | -0.1510642900 | 0.226151830  | -0.094767965 | 0.062210875  | -0.3054190000 |
| ## 138 | -0.1099960600 | 0.191881180  | -0.143308560 | 0.121024210  | -0.2489873400 |
| ## 139 | -0.1137113500 | 0.211501470  | -0.174041730 | 0.130142600  | -0.2327909900 |
| ## 140 | 0.0002221421  | 0.035854109  | 0.153486490  | -0.136845240 | -0.3146849400 |
| ## 141 | 0.0497013220  | -0.016761328 | 0.144946200  | 0.015257318  | -0.4124402300 |
| ## 142 | -0.2322682500 | 0.254389350  | -0.150737310 | 0.258269330  | -0.3175586300 |
| ## 143 | -0.2331066500 | 0.225408280  | -0.089943022 | 0.176011610  | -0.3747333600 |
| ## 144 | -0.1738619000 | 0.213340800  | -0.171921150 | 0.320894680  | -0.3092130000 |
| ## 145 | -0.0885160950 | 0.144767000  | -0.076150972 | 0.081874721  | -0.2665925100 |
| ## 146 | 0.0294077840  | 0.093466882  | -0.182603790 | 0.237274680  | -0.2291379600 |
| ## 147 | -0.0244592900 | 0.130791750  | -0.318137840 | 0.458517310  | -0.1752931300 |
| ## 148 | -0.3719580100 | 0.412466340  | -0.286313840 | 0.174058590  | -0.3820844500 |
| ## 149 | -0.3321585000 | 0.381464720  | -0.261276170 | 0.159131260  | -0.3159956000 |
| ## 150 | -0.2850173600 | 0.286010830  | -0.154087380 | 0.115607710  | -0.1973142300 |
| ## 151 | -0.4688781500 | 0.365003270  | -0.001750991 | -0.171326690 | -0.4021847300 |
| ## 152 | -0.3717056600 | 0.216324710  | 0.229789880  | -0.312351970 | -0.3991865900 |
| ## 153 | -0.4844966300 | 0.346357480  | -0.068698166 | 0.030708926  | -0.4146714400 |
| ## 154 | -0.5967220900 | 0.498819830  | -0.265629320 | 0.144293640  | -0.3695114700 |
| ## 155 | -0.5707911000 | 0.461072320  | -0.115167010 | -0.081725938 | -0.4845772000 |
| ## 156 | -0.5738432200 | 0.489167370  | -0.217924460 | 0.019799798  | -0.6341754900 |
| ## 157 | -0.5607937300 | 0.479207850  | -0.163244600 | -0.051009334 | -0.2949701100 |
| ## 158 | -0.5000767200 | 0.373317970  | 0.046817880  | -0.226241500 | -0.2711437900 |
| ## 159 | -0.4067202600 | 0.304354700  | -0.020918120 | -0.084492866 | -0.2669899300 |
| ## 160 | -0.4838825900 | 0.338617680  | 0.041294777  | -0.140460710 | -0.3242567500 |
| ## 161 | -0.6490358400 | 0.574105750  | -0.337897350 | 0.114524340  | -0.5060858000 |
| ## 162 | -0.5453634000 | 0.461961890  | -0.218808490 | 0.037031097  | -0.4358530200 |
| ## 163 | -0.5148729200 | 0.412488290  | -0.185878340 | 0.080567046  | -0.2817575800 |
| ## 164 | -0.4010481700 | 0.350465620  | -0.246607940 | 0.182048300  | -0.2678710000 |
| ## 165 | -0.3938305100 | 0.311612260  | -0.201328720 | 0.187297290  | -0.2274333800 |
| ## 166 | -0.6359656800 | 0.499066620  | -0.199742850 | 0.067545303  | -0.3808862900 |
| ## 167 | -0.5561481400 | 0.431315420  | -0.150340020 | 0.038149690  | -0.4489091000 |
| ## 168 | -0.6509688700 | 0.574452280  | -0.456638670 | 0.311785590  | -0.3289129400 |
| ## 169 | -0.6827349700 | 0.652763800  | -0.585544430 | 0.372577520  | -0.2340231100 |
| ## 170 | -0.7886439300 | 0.793609030  | -0.766158950 | 0.459886850  | -0.3069867300 |
| ## 171 | -0.7236974800 | 0.700904280  | -0.656689810 | 0.415907600  | -0.4064975600 |
| ## 172 | -0.4354901800 | 0.348013560  | -0.199610330 | 0.152510440  | -0.4287430400 |
| ## 173 | -0.3323895400 | 0.242486900  | -0.061118672 | 0.044647745  | -0.4757115600 |
| ## 174 | -0.5456831100 | 0.479605570  | -0.322836940 | 0.180420420  | -0.5419091500 |
| ## 175 | -0.6158393500 | 0.503595950  | -0.268190250 | 0.131252110  | -0.3077227600 |
| ## 176 | -0.6538911600 | 0.581225780  | -0.373997540 | 0.148979620  | -0.1531025900 |
| ## 177 | 0.7978282100  | -0.874354660 | 0.494576490  | 0.150893120  | 0.0003674101  |

| ##    | NA          | NA           | NA            | NA           | NA           |
|-------|-------------|--------------|---------------|--------------|--------------|
| ## 1  | -0.77111201 | 0.690213230  | -0.3318310400 | 0.709583770  | 0.134873360  |
| ## 2  | -0.14992836 | 0.292618930  | -0.1494293500 | 0.046721243  | -0.256929400 |
| ## 3  | -0.16564496 | 0.134554440  | 0.1843489800  | -0.010129565 | 0.043311584  |
| ## 4  | -0.20718879 | 0.112457470  | 0.2020919300  | 0.210194130  | 0.141100840  |
| ## 5  | -0.33952923 | 0.132537080  | 0.4732513800  | -0.142000700 | 0.484418850  |
| ## 6  | -0.22767973 | 0.138241320  | 0.3461754600  | -0.448102490 | 0.645013580  |
| ## 7  | -0.11721192 | 0.048762132  | 0.3357637200  | -0.016117067 | 0.466061630  |
| ## 8  | -0.28304927 | 0.177423270  | 0.3079970000  | 0.204362480  | 0.193000890  |
| ## 9  | -0.28317573 | 0.342415210  | -0.0591899250 | -0.187376790 | 0.233717240  |
| ## 10 | 0.05872100  | 0.035193368  | 0.1870195500  | -0.365844870 | 0.160245330  |
| ## 11 | 0.08164453  | -0.052891273 | 0.3116983400  | -0.425716120 | 0.152389830  |
| ## 12 | -0.17971629 | 0.086658513  | 0.2243891200  | 0.015827178  | 0.059518490  |
| ## 13 | -0.25448649 | 0.146609330  | -0.0243917080 | 0.382153110  | -0.336155810 |
| ## 14 | -0.14046523 | 0.116767880  | -0.0055653679 | -0.150034710 | 0.261495120  |
| ## 15 | -0.13173952 | 0.100359870  | 0.1621901700  | -0.262291610 | 0.230272180  |
| ## 16 | -0.15267218 | 0.013496817  | 0.2921851500  | 0.484807610  | -0.513689560 |
| ## 17 | -0.25134770 | 0.017479875  | 0.3569637400  | -0.530258780 | 0.461326320  |
| ## 18 | -0.23345586 | 0.108919780  | 0.1425399900  | 0.180950290  | -0.343992750 |
| ## 19 | -0.19802532 | 0.166634710  | -0.0701348330 | 0.111296290  | -0.076928197 |
| ## 20 | -0.10745182 | 0.018243872  | 0.0248701720  | -0.138034570 | 0.033427343  |
| ## 21 | -0.31765493 | 0.230536330  | -0.1389244900 | 0.172961270  | -0.285873050 |
| ## 22 | -0.40242534 | 0.268496500  | -0.1592855500 | 0.141273290  | -0.181434640 |
| ## 23 | -0.34895310 | 0.194231330  | 0.0682225350  | 0.082247765  | -0.208376420 |
| ## 24 | -0.58346139 | 0.365647160  | 0.0924000410  | 0.005935114  | -0.004609539 |
| ## 25 | -0.66247916 | 0.464546340  | 0.0033378982  | -0.200005060 | 0.015846362  |
| ## 26 | -0.57627848 | 0.441655050  | -0.0973877400 | 0.078967501  | -0.410562650 |
| ## 27 | -0.37574613 | 0.274767660  | -0.0444510830 | 0.218693530  | -0.251705190 |
| ## 28 | -0.13374758 | 0.329685910  | -0.0552984360 | 0.610399490  | -0.885549330 |
| ## 29 | -0.52736762 | 0.551473750  | -0.3115252500 | 0.841329160  | -0.803092130 |
| ## 30 | -0.17292377 | 0.206645750  | -0.0603416020 | 0.849325290  | -0.852237130 |
| ## 31 | 0.61404165  | -0.297293110 | 0.1984382900  | 0.621307770  | 0.867191880  |
| ## 32 | 0.42625846  | -0.179794750 | 0.2189920500  | 0.554477380  | 0.654858550  |
| ## 33 | -0.01301168 | 0.080413499  | 0.1576902100  | -0.039286896 | -0.718088640 |
| ## 34 | -0.32119037 | 0.214815540  | 0.1978329800  | -0.426960330 | -0.064531570 |
| ## 35 | -0.24439191 | 0.033672171  | 0.1241977900  | 0.606366720  | -0.811699320 |
| ## 36 | -0.16333083 | -0.056656862 | 0.1110902500  | 0.380156590  | -0.762989470 |
| ## 37 | -0.08734008 | -0.121534360 | 0.0671937610  | 0.028098667  | -0.280402940 |
| ## 38 | -0.16271830 | 0.039351938  | 0.1826818500  | -0.508735770 | 0.104834830  |
| ## 39 | 0.06269229  | -0.160079070 | 0.4525638700  | 0.441709450  | 0.946102040  |
| ## 40 | -0.11938092 | 0.224197360  | 0.1606809100  | -0.069613474 | 0.996369330  |
| ## 41 | -0.16823466 | 0.195996870  | 0.1055342100  | 0.514428730  | 0.983433040  |
| ## 42 | -0.13952153 | 0.228858740  | -0.3058704700 | -0.050829927 | 0.938052860  |
| ## 43 | -0.21487387 | 0.370262980  | -0.2905079300 | -0.492227930 | 0.587989060  |
| ## 44 | -0.35017328 | 0.215541430  | 0.0346343150  | -0.496560140 | 0.338028400  |
| ## 45 | -0.28278556 | 0.124424110  | -0.0077623815 | -0.302224850 | 0.753439590  |
| ## 46 | -0.31423428 | 0.217920410  | 0.0002327177  | -0.056931831 | -0.113018650 |
| ## 47 | -0.31819791 | 0.215199450  | -0.0274402950 | -0.522545070 | 0.152187330  |
| ## 48 | -0.04194086 | 0.060310170  | -0.0892713820 | -0.538302180 | 0.556581380  |
| ## 49 | -0.23772088 | 0.287323110  | -0.2521227300 | -0.344371430 | 0.398428220  |

|       |             |              |               |              |              |
|-------|-------------|--------------|---------------|--------------|--------------|
| ## 50 | -0.31315797 | 0.165462320  | 0.0541894840  | -0.322234520 | 0.274327670  |
| ## 51 | -0.19400800 | 0.087130525  | 0.2079904100  | -0.117097650 | 0.048721790  |
| ## 52 | 0.52757226  | -0.460046510 | 0.2210710000  | -0.217129890 | 0.338002890  |
| ## 53 | 0.07433822  | -0.180300370 | 0.4348682500  | -0.785538950 | 0.976583240  |
| ## 54 | -0.07840109 | 0.017261554  | 0.0253066110  | 0.598523070  | 0.955206920  |
| ## 55 | -0.16052276 | 0.097600875  | -0.0300448800 | -0.269840680 | 0.526345800  |
| ## 56 | -0.36381501 | 0.180061290  | 0.0493090880  | -0.158725950 | -0.367527300 |
| ## 57 | -0.33369647 | 0.176628370  | 0.0505439950  | 0.020600730  | 0.446232840  |
| ## 58 | -0.21788456 | 0.203454520  | -0.0273326790 | 0.189606720  | 0.428543300  |
| ## 59 | -0.32364370 | 0.194702790  | 0.0597151240  | -0.186193460 | 0.077711230  |
| ## 60 | -0.29143779 | 0.142554620  | -0.0233155560 | 0.207146560  | 0.401666620  |
| ## 61 | -0.25071682 | 0.085828002  | 0.0852431510  | 0.318847470  | 0.267904810  |
| ## 62 | -0.30655326 | 0.195309440  | 0.0782167720  | 0.198454860  | 0.069544537  |
| ## 63 | -0.17386919 | 0.159101480  | -0.0907253720 | 0.245689600  | 0.173923180  |
| ## 64 | -0.19177174 | -0.002765841 | 0.1726792200  | 0.294392050  | 0.365256250  |
| ## 65 | 0.08903725  | -0.235745060 | 0.2932966800  | -0.434549850 | 0.667717000  |
| ## 66 | -0.04044613 | 0.032374513  | 0.1357613900  | 0.691688850  | 0.954811960  |
| ## 67 | 0.28504032  | -0.137176690 | 0.1904332800  | -0.443255370 | 0.303823260  |
| ## 68 | 0.28257441  | -0.154684760 | 0.2192227100  | -0.447987390 | 0.284859200  |
| ## 69 | 0.15444814  | -0.136898850 | 0.1181659500  | -0.190806960 | 0.352694510  |
| ## 70 | 0.46138319  | -0.474433760 | 0.4469372200  | -0.572095620 | 0.571763160  |
| ## 71 | 0.29712061  | -0.158825570 | 0.1835684100  | -0.214425760 | 0.012155568  |
| ## 72 | 0.21713603  | -0.079332337 | 0.2503799000  | -0.172633380 | -0.003436661 |
| ## 73 | 0.34737167  | -0.396576690 | 0.5770017200  | -0.277178420 | 0.710360680  |
| ## 74 | -0.10580422 | 0.141767940  | 0.0199735770  | -0.310446830 | 0.830127570  |
| ## 75 | -0.28163989 | 0.211877250  | -0.0630461760 | -0.448029220 | 0.910218740  |
| ## 76 | -0.40662689 | 0.325458060  | -0.0563091840 | -0.793513980 | 0.898475870  |
| ## 77 | -0.37009195 | 0.291213740  | 0.1007913200  | -0.705085790 | 0.688568870  |
| ## 78 | -0.47506846 | 0.453641450  | -0.1076420600 | -0.084264797 | 0.486706220  |
| ## 79 | 0.15837001  | -0.307141660 | 0.5045310500  | -0.247858180 | -0.174488660 |
| ## 80 | 0.09935118  | -0.211073320 | 0.4632182100  | -0.205119470 | 0.123433540  |
| ## 81 | 0.13533303  | -0.238551650 | 0.4786467400  | -0.151346610 | 0.161032720  |
| ## 82 | 0.11628373  | -0.190332980 | 0.3948046700  | 0.104329580  | 0.197395100  |
| ## 83 | 0.28265016  | -0.326120360 | 0.4394692400  | 0.079807808  | 0.203211840  |
| ## 84 | 0.34700082  | -0.438393410 | 0.6261847900  | -0.013876819 | 0.132047200  |
| ## 85 | 0.35844646  | -0.533664430 | 0.7209631800  | -0.008034684 | 0.068513315  |
| ## 86 | 0.30711985  | -0.423826390 | 0.5552177800  | -0.075796089 | -0.030988393 |
| ## 87 | 0.39798666  | -0.536899370 | 0.6648772300  | -0.145165400 | 0.082040898  |
| ## 88 | 0.21098070  | -0.329115130 | 0.5262500900  | -0.056253106 | 0.006015072  |
| ## 89 | 0.06546761  | -0.159103860 | 0.4254818600  | -0.045529573 | 0.049992440  |
| ## 90 | 0.10294272  | -0.160638600 | 0.3722416900  | 0.114394180  | 0.153830690  |
| ## 91 | 0.08453578  | -0.112873560 | 0.3611833300  | 0.112856440  | 0.039004516  |
| ## 92 | 0.07637808  | -0.040655296 | 0.2796987100  | -0.022017127 | 0.054399109  |
| ## 93 | 0.18198920  | -0.196025100 | 0.3863519800  | -0.067428863 | 0.145394300  |
| ## 94 | 0.16304762  | -0.226821910 | 0.4537335500  | -0.073316197 | 0.059822092  |
| ## 95 | 0.14389347  | -0.198196360 | 0.4104742400  | -0.029789280 | 0.011579143  |
| ## 96 | 0.09245758  | -0.136677680 | 0.3573934800  | 0.097797010  | 0.068664487  |
| ## 97 | 0.19793546  | -0.092323416 | 0.2134592200  | 0.079522663  | -0.125851150 |
| ## 98 | 0.37804851  | -0.277060030 | 0.3089730100  | -0.104234350 | -0.323393060 |
| ## 99 | 0.17924920  | -0.191422840 | 0.3690808400  | -0.059409245 | -0.015622734 |

|        |             |              |               |              |              |
|--------|-------------|--------------|---------------|--------------|--------------|
| ## 100 | 0.11702425  | -0.165915870 | 0.4234768700  | -0.065998135 | 0.014103695  |
| ## 101 | 0.23182303  | -0.355275470 | 0.5573083100  | 0.051770265  | 0.034725703  |
| ## 102 | 0.07266653  | -0.187450930 | 0.4497173700  | 0.085968090  | 0.038059549  |
| ## 103 | 0.06550126  | -0.225605880 | 0.5439486200  | 0.117099150  | 0.180710050  |
| ## 104 | 0.45811203  | -0.490774740 | 0.5566240200  | 0.157099700  | 0.107869110  |
| ## 105 | 0.27485867  | -0.226483610 | 0.3605437200  | 0.007845214  | -0.021711281 |
| ## 106 | 0.01342090  | 0.067395953  | 0.1524534600  | 0.018254550  | -0.058759468 |
| ## 107 | 0.08137283  | -0.232421450 | 0.5399652600  | 0.121700090  | -0.022481307 |
| ## 108 | 0.10167049  | -0.247385110 | 0.5395780300  | 0.022281512  | -0.040418148 |
| ## 109 | 0.03480758  | -0.002616908 | 0.2333876300  | -0.027049202 | -0.055189865 |
| ## 110 | 0.12635226  | 0.015159842  | 0.1018038700  | 0.069576874  | -0.009128814 |
| ## 111 | 0.38067043  | -0.438433300 | 0.5775770900  | 0.037931194  | -0.084553423 |
| ## 112 | 0.13033203  | -0.213867540 | 0.5108611100  | -0.127244190 | -0.003084686 |
| ## 113 | -0.09612915 | 0.120907610  | 0.2529530700  | -0.117862300 | 0.153621120  |
| ## 114 | 0.16054433  | -0.132653600 | 0.3723403900  | 0.004104681  | 0.288388650  |
| ## 115 | 0.09531184  | -0.085789466 | 0.3612079400  | 0.131344940  | 0.190748290  |
| ## 116 | -0.02397133 | 0.006381294  | 0.2929100000  | -0.003280086 | 0.008534615  |
| ## 117 | 0.08370271  | -0.145604330 | 0.4064870600  | -0.087754602 | 0.010023543  |
| ## 118 | 0.23688297  | -0.355640170 | 0.5921328400  | -0.062092223 | -0.047559305 |
| ## 119 | 0.06677005  | -0.041883455 | 0.3459383100  | -0.092475979 | 0.013131752  |
| ## 120 | 0.23312105  | -0.149982880 | 0.2696999600  | -0.037383514 | 0.028674052  |
| ## 121 | 0.30096104  | -0.293622870 | 0.3845128300  | 0.010404151  | -0.136211180 |
| ## 122 | 0.22700131  | -0.440856690 | 0.7126682800  | -0.049433708 | -0.192910770 |
| ## 123 | 0.26367219  | -0.372923540 | 0.6224682500  | -0.154733120 | -0.113061440 |
| ## 124 | 0.55297275  | -0.447829530 | 0.4221254100  | -0.171189110 | -0.032183388 |
| ## 125 | 0.40007825  | -0.336314700 | 0.3946679500  | -0.036966180 | -0.035552208 |
| ## 126 | -0.07778948 | -0.148861720 | 0.4354988400  | 0.358998540  | -0.297029270 |
| ## 127 | 0.07087060  | 0.071201576  | 0.0600183090  | 0.375831640  | -0.246146540 |
| ## 128 | 0.21447472  | -0.203578370 | 0.2870034900  | -0.042546710 | -0.090887785 |
| ## 129 | 0.20803597  | -0.295725920 | 0.4366804700  | -0.262517890 | -0.095277776 |
| ## 130 | 0.33225879  | -0.323249480 | 0.3729972900  | -0.095683030 | -0.197161890 |
| ## 131 | 0.13446700  | 0.107048160  | -0.0904719890 | -0.217706340 | -0.169647620 |
| ## 132 | 0.25037148  | -0.196563610 | 0.2306961000  | -0.298264780 | -0.093504320 |
| ## 133 | 0.33629512  | -0.451652750 | 0.5501216200  | 0.331023040  | -0.330514540 |
| ## 134 | 0.08338892  | 0.008403936  | 0.1436872800  | 0.313029280  | -0.286240690 |
| ## 135 | 0.32318463  | -0.204154780 | 0.2467868600  | 0.214974990  | 0.090683463  |
| ## 136 | 0.37523401  | -0.309451920 | 0.3401983600  | 0.196973390  | -0.136193240 |
| ## 137 | 0.35751325  | -0.316623350 | 0.3672828300  | -0.207867030 | -0.122647720 |
| ## 138 | 0.29723380  | -0.284385260 | 0.3699627100  | -0.356610850 | -0.068077973 |
| ## 139 | 0.27675871  | -0.296899590 | 0.4212370100  | -0.368879150 | 0.055359956  |
| ## 140 | 0.29853632  | -0.198857210 | 0.3020542000  | -0.414235770 | -0.049899470 |
| ## 141 | 0.42508291  | -0.390932270 | 0.4596238500  | -0.156878450 | -0.082079222 |
| ## 142 | 0.27215668  | -0.152667110 | 0.2624142800  | 0.274194740  | -0.220644340 |
| ## 143 | 0.35101026  | -0.148403810 | 0.0744262100  | 0.357891030  | -0.074351949 |
| ## 144 | 0.31095902  | -0.201066330 | 0.1770574300  | 0.377345840  | -0.450152430 |
| ## 145 | 0.28081426  | -0.280516910 | 0.3769046700  | -0.088970663 | -0.501936490 |
| ## 146 | 0.26282375  | -0.239629140 | 0.3452843000  | -0.238631370 | -0.216064860 |
| ## 147 | 0.13675657  | -0.070811490 | 0.2593386300  | -0.247558770 | -0.078348171 |
| ## 148 | 0.30967014  | -0.168502730 | 0.2466848500  | -0.264787700 | -0.025420777 |
| ## 149 | 0.37205537  | -0.350464020 | 0.3408119100  | 0.241067530  | 0.073429134  |

|        |              |              |               |              |                            |
|--------|--------------|--------------|---------------|--------------|----------------------------|
| ## 150 | 0.23039223   | -0.175086590 | 0.2226757400  | 0.015313696  | -0.087620141               |
| ## 151 | 0.41682469   | -0.354433940 | 0.3281198800  | -0.179732390 | -0.254312940               |
| ## 152 | 0.42425727   | -0.387263510 | 0.3918078400  | -0.159550640 | -0.439128260               |
| ## 153 | 0.28040974   | -0.036621331 | 0.0493499410  | -0.462867170 | -0.684046630               |
| ## 154 | 0.27435398   | -0.038080991 | 0.0144318810  | -0.347230510 | -0.646811210               |
| ## 155 | 0.46147837   | -0.248138680 | 0.1335054600  | -0.132364630 | -0.428252730               |
| ## 156 | 0.56800503   | -0.269586900 | 0.0404986580  | -0.363218300 | -0.443612660               |
| ## 157 | 0.27020306   | -0.199410070 | 0.2646835700  | -0.115264130 | -0.243806910               |
| ## 158 | 0.30487408   | -0.292406530 | 0.3728914200  | -0.024786476 | -0.451715190               |
| ## 159 | 0.21241426   | 0.059172040  | -0.0231588200 | -0.176332580 | -0.065700769               |
| ## 160 | 0.33645361   | -0.224765290 | 0.2513160400  | 0.183823740  | -0.128362630               |
| ## 161 | 0.49767400   | -0.389951970 | 0.3040191100  | -0.367989910 | -0.490882360               |
| ## 162 | 0.39961574   | -0.255990950 | 0.1879256000  | -0.568378090 | -0.506868960               |
| ## 163 | 0.20714624   | 0.003869461  | -0.0215883660 | -0.196891130 | -0.378947080               |
| ## 164 | 0.20170569   | 0.020927153  | -0.0493930990 | -0.021632439 | -0.372101890               |
| ## 165 | 0.22802297   | -0.031108414 | 0.0075762397  | -0.027963814 | -0.039419036               |
| ## 166 | 0.37926319   | -0.210824550 | 0.1415665600  | 0.123878010  | -0.056683240               |
| ## 167 | 0.47920502   | -0.423523600 | 0.3476540500  | 0.149237850  | -0.263550440               |
| ## 168 | 0.33119486   | -0.175418460 | 0.2016494000  | -0.342393670 | -0.299981260               |
| ## 169 | 0.23928570   | -0.034635603 | 0.0276809370  | -0.134373580 | -0.432500440               |
| ## 170 | 0.21520778   | 0.059986123  | -0.1223456000 | -0.462113100 | -0.561667070               |
| ## 171 | 0.29727280   | 0.017461340  | -0.1165441400 | -0.477760050 | -0.518069700               |
| ## 172 | 0.38885166   | -0.190261810 | 0.1264744100  | -0.017147028 | -0.468544910               |
| ## 173 | 0.42709713   | -0.236383860 | 0.1677116100  | 0.143522890  | -0.192820000               |
| ## 174 | 0.55935125   | -0.374001200 | 0.2332907800  | 0.054281808  | -0.226145540               |
| ## 175 | 0.32044140   | -0.121307280 | 0.1231006500  | 0.117556290  | -0.427553320               |
| ## 176 | 0.15616289   | 0.096937431  | -0.1093352600 | -0.326771900 | -0.424578800               |
| ## 177 | -0.12910979  | -0.054822061 | 0.4479370400  | 0.579868900  | -0.608869170               |
| ##     | NA           | NA           | NA            | NA           | NA                         |
| ##     | NA           |              |               |              |                            |
| ## 1   | 0.301099480  | -0.09916740  | -0.055517369  | -0.061985797 | -0.9921107 -<br>0.99251927 |
| ## 2   | 0.169394800  | -0.11050283  | -0.044818731  | -0.059242822 | -0.9898726 -<br>0.99729260 |
| ## 3   | -0.350646130 | -0.10848567  | -0.042410306  | -0.055828829 | -0.9884618 -<br>0.99563214 |
| ## 4   | -0.725301060 | -0.09116989  | -0.036332620  | -0.060464660 | -0.9911194 -<br>0.99664096 |
| ## 5   | -0.724557530 | -0.09077010  | -0.037632533  | -0.058289319 | -0.9913545 -<br>0.99647298 |
| ## 6   | -0.745979240 | -0.09424758  | -0.043355261  | -0.041935999 | -0.9916216 -<br>0.99601465 |
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| ## 8   | -0.732650040 | -0.10316236  | -0.035546068  | -0.063208931 | -0.9911036 -<br>0.99579433 |
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## 5 -0.99341985 0.9936848 0.99745314 0.9965279 -0.9958778 -0.9999280
## 6 -0.99341985 0.9938443 0.99745314 0.9965279 -0.9952321 -0.9999316
## 7 -0.99197796 0.9924061 0.99657686 0.9954176 -0.9935554 -0.9999161
## 8 -0.99197796 0.9924061 0.99657686 0.9954176 -0.9940795 -0.9999250
## 9 -0.99604625 0.9923928 0.99443314 0.9958928 -0.9957653 -0.9999411

```

|       |             |           |            |           |            |            |
|-------|-------------|-----------|------------|-----------|------------|------------|
| ## 10 | -0.97955372 | 0.9892216 | 0.99443314 | 0.9868988 | -0.9898501 | -0.9998070 |
| ## 11 | -0.97955372 | 0.9892216 | 0.99488906 | 0.9868988 | -0.9913272 | -0.9998450 |
| ## 12 | -0.99285086 | 0.9964246 | 0.99756624 | 0.9955390 | -0.9977860 | -0.9999737 |
| ## 13 | -0.99679079 | 0.9964246 | 0.99902394 | 0.9984978 | -0.9986118 | -0.9999763 |
| ## 14 | -0.99472660 | 0.9974849 | 0.99853798 | 0.9983493 | -0.9982931 | -0.9999870 |
| ## 15 | -0.97917768 | 0.9868978 | 0.99462905 | 0.9968916 | -0.9912664 | -0.9998208 |
| ## 16 | -0.99577474 | 0.9952240 | 0.99823913 | 0.9983023 | -0.9966658 | -0.9999654 |
| ## 17 | -0.98865701 | 0.9966597 | 0.99781159 | 0.9970754 | -0.9967769 | -0.9999731 |
| ## 18 | -0.98865701 | 0.9963766 | 0.99781159 | 0.9958695 | -0.9968760 | -0.9999794 |
| ## 19 | -0.99664438 | 0.9963766 | 0.99881033 | 0.9958695 | -0.9980120 | -0.9999773 |
| ## 20 | -0.99594573 | 0.9971459 | 0.99999475 | 0.9979605 | -0.9986763 | -0.9999809 |
| ## 21 | -0.99594573 | 0.9959003 | 0.99923251 | 0.9975391 | -0.9984150 | -0.9999850 |
| ## 22 | -0.99536700 | 0.9950542 | 0.99923251 | 0.9975391 | -0.9981590 | -0.9999812 |
| ## 23 | -0.99536700 | 0.9950542 | 0.99932569 | 0.9979318 | -0.9985113 | -0.9999857 |
| ## 24 | -0.99687031 | 0.9978154 | 0.99844816 | 0.9955015 | -0.9983173 | -0.9999888 |
| ## 25 | -0.99403951 | 0.9971994 | 0.99844816 | 0.9955015 | -0.9974402 | -0.9999830 |
| ## 26 | -0.99403951 | 0.9962541 | 0.99862820 | 0.9973390 | -0.9972134 | -0.9999740 |
| ## 27 | -0.99479001 | 0.9962541 | 0.99880259 | 0.9948080 | -0.9971979 | -0.9999714 |
| ## 28 | -0.94540482 | 0.9822560 | 0.98133991 | 0.9935950 | -0.9903219 | -0.9998303 |
| ## 29 | -0.99447940 | 0.9973716 | 0.99917934 | 0.9965408 | -0.9980141 | -0.9999837 |
| ## 30 | -0.99828675 | 0.9974419 | 0.99894712 | 0.9982335 | -0.9988150 | -0.9999904 |
| ## 31 | -0.82526842 | 0.9105935 | 0.92114238 | 0.8810457 | -0.9147884 | -0.9939245 |
| ## 32 | -0.82526842 | 0.9105935 | 0.92114238 | 0.8810457 | -0.8873061 | -0.9931096 |
| ## 33 | -0.92036362 | 0.9356434 | 0.96946471 | 0.9287252 | -0.9677574 | -0.9991606 |
| ## 34 | -0.98924934 | 0.9913570 | 0.98997344 | 0.9912727 | -0.9938032 | -0.9999754 |
| ## 35 | -0.99265749 | 0.9992361 | 0.99463727 | 0.9978683 | -0.9971566 | -0.9999964 |
| ## 36 | -0.99638971 | 0.9992361 | 0.99397606 | 0.9962575 | -0.9973899 | -0.9999944 |
| ## 37 | -0.99530146 | 0.9979276 | 0.99397606 | 0.9962575 | -0.9969884 | -0.9999941 |
| ## 38 | -0.99308938 | 0.9978253 | 0.99435224 | 0.9955700 | -0.9967110 | -0.9999935 |
| ## 39 | -0.98918669 | 0.9918112 | 0.99554754 | 0.9974708 | -0.9928592 | -0.9999358 |
| ## 40 | -0.99148302 | 0.9999076 | 0.99554754 | 0.9981707 | -0.9954378 | -0.9999842 |
| ## 41 | -0.99148302 | 0.9991548 | 0.99694504 | 0.9981707 | -0.9966584 | -0.9999860 |
| ## 42 | -0.99671399 | 0.9974001 | 0.99632888 | 0.9971418 | -0.9971680 | -0.9999834 |
| ## 43 | -0.99671399 | 0.9974001 | 0.99632888 | 0.9971418 | -0.9974435 | -0.9999872 |
| ## 44 | -0.99295004 | 0.9988893 | 0.99772379 | 0.9976492 | -0.9978568 | -0.9999969 |
| ## 45 | -0.99295004 | 0.9983107 | 0.99716972 | 0.9975627 | -0.9973735 | -0.9999917 |
| ## 46 | -0.99570436 | 0.9983107 | 0.99716972 | 0.9975627 | -0.9970006 | -0.9999861 |
| ## 47 | -0.99570436 | 0.9984337 | 0.99736370 | 0.9953632 | -0.9973989 | -0.9999887 |
| ## 48 | -0.99596954 | 0.9984337 | 0.99865438 | 0.9953632 | -0.9975941 | -0.9999913 |
| ## 49 | -0.99488355 | 0.9989494 | 0.99854725 | 0.9962222 | -0.9975630 | -0.9999913 |
| ## 50 | -0.99488355 | 0.9991586 | 0.99702196 | 0.9970069 | -0.9972389 | -0.9999912 |
| ## 51 | -0.99380668 | 0.9971294 | 0.99696255 | 0.9965848 | -0.9970389 | -0.9999864 |
| ## 52 | -0.95369491 | 0.9653198 | 0.95288988 | 0.9694617 | -0.9748585 | -0.9994211 |
| ## 53 | -0.99770453 | 0.9975907 | 0.99793005 | 0.9956519 | -0.9972771 | -0.9999832 |
| ## 54 | -0.99610118 | 0.9985049 | 0.99938887 | 0.9950311 | -0.9976658 | -0.9999881 |
| ## 55 | -0.99581698 | 0.9989517 | 0.99927030 | 0.9950311 | -0.9983667 | -0.9999936 |
| ## 56 | -0.99581698 | 0.9989833 | 0.99927030 | 0.9964822 | -0.9990125 | -0.9999948 |
| ## 57 | -0.99546942 | 0.9989833 | 0.99914814 | 0.9964822 | -0.9987497 | -0.9999938 |
| ## 58 | -0.99546942 | 0.9982789 | 0.99902288 | 0.9981947 | -0.9983617 | -0.9999917 |
| ## 59 | -0.99597001 | 0.9982789 | 0.99902288 | 0.9953308 | -0.9988911 | -0.9999948 |

|        |             |           |            |           |            |            |
|--------|-------------|-----------|------------|-----------|------------|------------|
| ## 60  | -0.99396928 | 0.9986095 | 0.99946736 | 0.9953308 | -0.9991700 | -0.9999989 |
| ## 61  | -0.99396928 | 0.9995907 | 0.99890047 | 0.9982405 | -0.9988477 | -0.9999992 |
| ## 62  | -0.99654046 | 0.9957633 | 0.99890047 | 0.9977129 | -0.9985135 | -0.9999882 |
| ## 63  | -0.99468816 | 0.9957633 | 0.99854398 | 0.9973437 | -0.9984097 | -0.9999863 |
| ## 64  | -0.99468816 | 0.9990413 | 0.99854398 | 0.9964850 | -0.9982890 | -0.9999970 |
| ## 65  | -0.88106200 | 0.9326700 | 0.95898501 | 0.9257347 | -0.9514022 | -0.9976509 |
| ## 66  | -0.99119340 | 0.9903190 | 0.99229315 | 0.9907286 | -0.9894758 | -0.9998695 |
| ## 67  | -0.73491917 | 0.5860212 | 0.90385502 | 0.8677784 | -0.8708735 | -0.9210521 |
| ## 68  | -0.73491917 | 0.5860212 | 0.90385502 | 0.8677784 | -0.8351061 | -0.9140020 |
| ## 69  | -0.96291421 | 0.8306195 | 0.97342055 | 0.9641474 | -0.9485234 | -0.9925026 |
| ## 70  | -0.83876397 | 0.3107043 | 0.86822904 | 0.8811256 | -0.8782908 | -0.9428248 |
| ## 71  | -0.59135059 | 0.3107043 | 0.67664895 | 0.8056303 | -0.6891436 | -0.7950028 |
| ## 72  | -0.59135059 | 0.5679225 | 0.67664895 | 0.8056303 | -0.7586914 | -0.8483272 |
| ## 73  | -0.91439999 | 0.9696659 | 0.93639093 | 0.9463390 | -0.9528083 | -0.9963737 |
| ## 74  | -0.99065391 | 0.9757563 | 0.98795724 | 0.9943017 | -0.9854013 | -0.9996935 |
| ## 75  | -0.99065391 | 0.9819666 | 0.98795724 | 0.9956053 | -0.9903262 | -0.9998133 |
| ## 76  | -0.99627186 | 0.9919324 | 0.99679261 | 0.9956274 | -0.9961627 | -0.9999551 |
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| ## 78  | -0.99338195 | 0.9953610 | 0.99760759 | 0.9979251 | -0.9965861 | -0.9999669 |
| ## 79  | -0.42609092 | 0.3022580 | 0.51564168 | 0.4675918 | -0.4698030 | -0.7840024 |
| ## 80  | -0.42609092 | 0.3022580 | 0.56015388 | 0.4675918 | -0.3958845 | -0.7164229 |
| ## 81  | -0.45690660 | 0.3898230 | 0.53664511 | 0.4204669 | -0.3830270 | -0.7274464 |
| ## 82  | -0.39490331 | 0.3743732 | 0.53664511 | 0.4204669 | -0.2568683 | -0.5948639 |
| ## 83  | -0.39490331 | 0.3743732 | 0.58227221 | 0.5936239 | -0.2498025 | -0.6187763 |
| ## 84  | -0.47122301 | 0.5265640 | 0.58227221 | 0.6137691 | -0.3205125 | -0.7440497 |
| ## 85  | -0.43731657 | 0.4513479 | 0.62738914 | 0.5145703 | -0.3337782 | -0.7106284 |
| ## 86  | -0.33705498 | 0.4513479 | 0.61183275 | 0.4887299 | -0.3172611 | -0.6834834 |
| ## 87  | -0.58398099 | 0.3126711 | 0.53601577 | 0.6456939 | -0.4689136 | -0.7453376 |
| ## 88  | -0.58398099 | 0.3126711 | 0.53037509 | 0.5896086 | -0.3895854 | -0.6774628 |
| ## 89  | -0.41184708 | 0.3995681 | 0.53037509 | 0.4758249 | -0.3880930 | -0.7189703 |
| ## 90  | -0.41184708 | 0.3995681 | 0.49239838 | 0.4758249 | -0.3185008 | -0.7106042 |
| ## 91  | -0.59553449 | 0.4515023 | 0.45200573 | 0.6154278 | -0.2698049 | -0.6544187 |
| ## 92  | -0.48462688 | 0.4248481 | 0.35342390 | 0.5982940 | -0.2769253 | -0.6741988 |
| ## 93  | -0.32725612 | 0.4248481 | 0.35342390 | 0.5088595 | -0.3031301 | -0.7358158 |
| ## 94  | -0.32725612 | 0.3791644 | 0.52454729 | 0.5088595 | -0.2927913 | -0.7049599 |
| ## 95  | -0.45166758 | 0.3791644 | 0.47263265 | 0.5190298 | -0.2816390 | -0.6424599 |
| ## 96  | -0.46231351 | 0.4300502 | 0.41928482 | 0.5190298 | -0.2594583 | -0.6128754 |
| ## 97  | -0.42047260 | 0.4258570 | 0.23805402 | 0.6224720 | -0.2410294 | -0.6215633 |
| ## 98  | -0.41487103 | 0.4258570 | 0.23805402 | 0.6630385 | -0.3196944 | -0.7115388 |
| ## 99  | -0.27581591 | 0.4206894 | 0.63327458 | 0.5211109 | -0.2894609 | -0.7181728 |
| ## 100 | -0.27581591 | 0.5469279 | 0.63327458 | 0.5211109 | -0.3327867 | -0.7376589 |
| ## 101 | -0.21923974 | 0.4290011 | 0.42710936 | 0.5654563 | -0.3091929 | -0.6753948 |
| ## 102 | -0.21923974 | 0.3679538 | 0.28230632 | 0.4002869 | -0.1763931 | -0.6029448 |
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| ## 104 | -0.59692231 | 0.4250177 | 0.43972586 | 0.6597558 | -0.2562246 | -0.6392820 |
| ## 105 | -0.61172398 | 0.4250177 | 0.43972586 | 0.7262146 | -0.3167766 | -0.6689758 |
| ## 106 | -0.53104838 | 0.4681387 | 0.55271381 | 0.5372417 | -0.3849062 | -0.7392390 |
| ## 107 | -0.39481439 | 0.4058061 | 0.52612899 | 0.4204232 | -0.3222709 | -0.6770645 |
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| ## 109 | -0.42251908 | 0.3196683 | 0.46203281 | 0.5717872 | -0.2822660 | -0.6566216 |

|        |             |           |             |           |            |            |
|--------|-------------|-----------|-------------|-----------|------------|------------|
| ## 110 | -0.50648154 | 0.3196683 | 0.46203281  | 0.6464646 | -0.2616607 | -0.6155832 |
| ## 111 | -0.50648154 | 0.4795303 | 0.62002984  | 0.6413224 | -0.2998896 | -0.6763851 |
| ## 112 | -0.41848943 | 0.3175776 | 0.43173647  | 0.6130150 | -0.2692810 | -0.6589241 |
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| ## 114 | -0.67621377 | 0.4586163 | 0.57408561  | 0.7193932 | -0.3388443 | -0.7086979 |
| ## 115 | -0.69193864 | 0.2982188 | 0.55285838  | 0.6019283 | -0.3046479 | -0.6554732 |
| ## 116 | -0.44391047 | 0.2982188 | 0.53114400  | 0.4858652 | -0.3125367 | -0.6564763 |
| ## 117 | -0.44391047 | 0.4315246 | 0.53114400  | 0.4858652 | -0.3156986 | -0.6981960 |
| ## 118 | -0.44410657 | 0.4358865 | 0.59850702  | 0.4990628 | -0.3488963 | -0.7093200 |
| ## 119 | -0.49025585 | 0.4779903 | 0.59850702  | 0.7439467 | -0.4041279 | -0.7423523 |
| ## 120 | -0.48644890 | 0.4967278 | 0.65938827  | 0.6730119 | -0.4250060 | -0.7925688 |
| ## 121 | -0.48644890 | 0.4168208 | 0.65938827  | 0.6730119 | -0.4348855 | -0.7593739 |
| ## 122 | -0.51914213 | 0.4168208 | 0.45993493  | 0.6772140 | -0.3903132 | -0.6936672 |
| ## 123 | -0.52141044 | 0.4741895 | 0.45993493  | 0.6772140 | -0.3381663 | -0.6988234 |
| ## 124 | -0.53270141 | 0.4741895 | 0.59940597  | 0.7273923 | -0.3625351 | -0.7296163 |
| ## 125 | -0.41585065 | 0.4693033 | 0.59940597  | 0.6460098 | -0.3956126 | -0.7483336 |
| ## 126 | -0.03927925 | 0.4854241 | 0.62257779  | 0.3676124 | -0.4694712 | -0.8511695 |
| ## 127 | -0.37828761 | 0.6253232 | 0.04397555  | 0.6403700 | -0.4051838 | -0.8808854 |
| ## 128 | -0.37828761 | 0.5404764 | 0.04397555  | 0.5041326 | -0.3235863 | -0.8770576 |
| ## 129 | -0.38531464 | 0.5404764 | 0.40687408  | 0.5041326 | -0.3511867 | -0.8375829 |
| ## 130 | -0.46571978 | 0.3744222 | 0.57920397  | 0.6962300 | -0.3861965 | -0.8667341 |
| ## 131 | -0.08022678 | 0.3744222 | 0.41707949  | 0.1695219 | -0.2842301 | -0.8310064 |
| ## 132 | -0.07598710 | 0.5052332 | 0.41707949  | 0.1695219 | -0.3238754 | -0.8514148 |
| ## 133 | -0.07598710 | 0.6749347 | 0.48434703  | 0.4441045 | -0.4350336 | -0.9230223 |
| ## 134 | -0.44346836 | 0.6749347 | 0.33815927  | 0.6563295 | -0.4178517 | -0.9291613 |
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| ## 137 | -0.18959599 | 0.3874435 | -0.05255551 | 0.3618250 | -0.2649241 | -0.8715048 |
| ## 138 | 0.12471813  | 0.3874435 | -0.05255551 | 0.3618250 | -0.2370126 | -0.8854231 |
| ## 139 | 0.12471813  | 0.3771142 | 0.16766087  | 0.4208609 | -0.2428187 | -0.8878634 |
| ## 140 | -0.22173325 | 0.3771142 | 0.16766087  | 0.4805248 | -0.2873367 | -0.8039437 |
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| ## 142 | -0.23898066 | 0.6910226 | 0.63934409  | 0.5231172 | -0.3855408 | -0.9121964 |
| ## 143 | -0.34952047 | 0.4977504 | 0.55784599  | 0.5496996 | -0.3761639 | -0.8399626 |
| ## 144 | -0.34952047 | 0.3092380 | 0.55784599  | 0.5496996 | -0.3537371 | -0.8321494 |
| ## 145 | -0.05958872 | 0.3092380 | 0.14748819  | 0.4201179 | -0.3012873 | -0.8018430 |
| ## 146 | -0.05958872 | 0.4400284 | 0.14748819  | 0.4201179 | -0.2086876 | -0.7928919 |
| ## 147 | -0.29678667 | 0.3121911 | 0.25057436  | 0.5525542 | -0.3567270 | -0.8421112 |
| ## 148 | -0.49828129 | 0.3121911 | 0.40218957  | 0.5525542 | -0.4026367 | -0.8520878 |
| ## 149 | -0.33245634 | 0.6463774 | 0.40218957  | 0.5045003 | -0.3802650 | -0.8998437 |
| ## 150 | -0.33245634 | 0.7134117 | 0.54204381  | 0.5045003 | -0.4483838 | -0.9282402 |
| ## 151 | -0.45163033 | 0.7233792 | 0.67373798  | 0.7622604 | -0.5860524 | -0.9377503 |
| ## 152 | -0.45163033 | 0.7292025 | 0.67373798  | 0.7622604 | -0.6068965 | -0.9532720 |
| ## 153 | -0.62795309 | 0.7292025 | 0.78162327  | 0.7053625 | -0.6216980 | -0.9318393 |
| ## 154 | -0.50537677 | 0.7623947 | 0.77640385  | 0.7053625 | -0.5903987 | -0.9249281 |
| ## 155 | -0.42867032 | 0.6450155 | 0.62807383  | 0.7499209 | -0.6063805 | -0.9402606 |
| ## 156 | -0.42867032 | 0.6450155 | 0.62807383  | 0.7499209 | -0.6395167 | -0.9457558 |
| ## 157 | -0.62613461 | 0.5929692 | 0.62285990  | 0.7314699 | -0.5840930 | -0.9321050 |
| ## 158 | -0.62613461 | 0.5929692 | 0.62285990  | 0.7314699 | -0.5750709 | -0.9232222 |
| ## 159 | -0.72112720 | 0.7415315 | 0.76052051  | 0.7847106 | -0.5794053 | -0.9107921 |

|        |             |            |             |            |            |             |
|--------|-------------|------------|-------------|------------|------------|-------------|
| ## 160 | -0.65419653 | 0.5900927  | 0.76052051  | 0.7923214  | -0.5718353 | -0.9052485  |
| ## 161 | -0.63088664 | 0.5900927  | 0.76279005  | 0.5871215  | -0.5435795 | -0.9066037  |
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| ## 163 | -0.74573224 | 0.7261791  | 0.75309078  | 0.7555258  | -0.6653165 | -0.9403881  |
| ## 164 | -0.74573224 | 0.7453419  | 0.68220189  | 0.7555258  | -0.6326381 | -0.9387739  |
| ## 165 | -0.69510098 | 0.7453419  | 0.68220189  | 0.7847692  | -0.6563268 | -0.9577387  |
| ## 166 | -0.69510098 | 0.8032066  | 0.75655974  | 0.7847692  | -0.6834615 | -0.9627280  |
| ## 167 | -0.73531327 | 0.7166646  | 0.75655974  | 0.8045944  | -0.6852336 | -0.9446786  |
| ## 168 | -0.64153797 | 0.7978408  | 0.84143119  | 0.6754092  | -0.6727491 | -0.9458542  |
| ## 169 | -0.59817665 | 0.6258547  | 0.65911319  | 0.6754092  | -0.6420801 | -0.9148009  |
| ## 170 | -0.59817665 | 0.6258547  | 0.65911319  | 0.6807450  | -0.6193363 | -0.8972963  |
| ## 171 | -0.61269161 | 0.6849377  | 0.77433499  | 0.6807450  | -0.6357144 | -0.9111150  |
| ## 172 | -0.61269161 | 0.6386719  | 0.76943503  | 0.7795624  | -0.6484287 | -0.9193194  |
| ## 173 | -0.69175391 | 0.6386719  | 0.62862361  | 0.7513854  | -0.6609270 | -0.9240853  |
| ## 174 | -0.58529605 | 0.7086293  | 0.62862361  | 0.7235974  | -0.6270163 | -0.9214623  |
| ## 175 | -0.58529605 | 0.7086293  | 0.75760531  | 0.7235974  | -0.6545596 | -0.9412898  |
| ## 176 | -0.63650551 | 0.7359578  | 0.79909098  | 0.6963594  | -0.6698919 | -0.9441653  |
| ## 177 | -0.98409934 | 0.9874052  | 0.98432966  | 0.9935704  | -0.9886282 | -0.9998570  |
| ##     | NA          | NA         | NA          | NA         | NA         | NA          |
| ## 1   | -0.9999535  | -0.9999229 | -0.99229974 | -0.9969389 | -0.9922430 | -0.58985096 |
| ## 2   | -0.9999897  | -0.9999459 | -0.99074179 | -0.9973013 | -0.9938078 | -0.60094453 |
| ## 3   | -0.9999798  | -0.9999158 | -0.98713045 | -0.9954278 | -0.9927755 | -0.54363477 |
| ## 4   | -0.9999862  | -0.9999396 | -0.99090865 | -0.9970785 | -0.9954046 | -0.56203107 |
| ## 5   | -0.9999852  | -0.9999535 | -0.99451316 | -0.9967177 | -0.9939689 | -0.61773780 |
| ## 6   | -0.9999824  | -0.9999362 | -0.99373357 | -0.9961224 | -0.9919696 | -0.62786347 |
| ## 7   | -0.9999784  | -0.9999002 | -0.99028337 | -0.9961920 | -0.9890412 | -0.51976607 |
| ## 8   | -0.9999809  | -0.9999041 | -0.99117705 | -0.9962854 | -0.9889278 | -0.58211553 |
| ## 9   | -0.9999841  | -0.9999467 | -0.99314799 | -0.9969638 | -0.9931573 | -0.63477856 |
| ## 10  | -0.9999592  | -0.9997896 | -0.98537015 | -0.9933696 | -0.9866199 | -0.39114362 |
| ## 11  | -0.9999649  | -0.9997970 | -0.98981028 | -0.9934527 | -0.9913767 | -0.48060723 |
| ## 12  | -0.9999911  | -0.9999743 | -0.99551477 | -0.9979006 | -0.9969742 | -0.70911126 |
| ## 13  | -0.9999967  | -0.9999857 | -0.99518065 | -0.9986302 | -0.9976446 | -0.73833759 |
| ## 14  | -0.9999943  | -0.9999727 | -0.99735911 | -0.9978854 | -0.9948523 | -0.83344524 |
| ## 15  | -0.9999542  | -0.9998784 | -0.98827605 | -0.9934181 | -0.9929427 | -0.45547940 |
| ## 16  | -0.9999874  | -0.9999723 | -0.99309174 | -0.9960602 | -0.9968937 | -0.68634223 |
| ## 17  | -0.9999882  | -0.9999573 | -0.99422771 | -0.9973953 | -0.9960203 | -0.69602120 |
| ## 18  | -0.9999901  | -0.9999408 | -0.99524940 | -0.9976857 | -0.9921705 | -0.76498586 |
| ## 19  | -0.9999950  | -0.9999686 | -0.99458493 | -0.9983591 | -0.9954686 | -0.76047545 |
| ## 20  | -0.9999980  | -0.9999797 | -0.99485406 | -0.9989153 | -0.9967953 | -0.75068914 |
| ## 21  | -0.9999966  | -0.9999681 | -0.99686163 | -0.9986342 | -0.9951928 | -0.80113720 |
| ## 22  | -0.9999951  | -0.9999678 | -0.99691113 | -0.9985191 | -0.9951448 | -0.77252396 |
| ## 23  | -0.9999955  | -0.9999727 | -0.99776686 | -0.9987536 | -0.9949545 | -0.80113720 |
| ## 24  | -0.9999944  | -0.9999667 | -0.99851692 | -0.9985422 | -0.9934486 | -0.81074740 |
| ## 25  | -0.9999936  | -0.9999478 | -0.99675976 | -0.9983271 | -0.9910222 | -0.78730969 |
| ## 26  | -0.9999931  | -0.9999529 | -0.99514451 | -0.9976920 | -0.9924281 | -0.76498586 |
| ## 27  | -0.9999910  | -0.9999629 | -0.99522013 | -0.9973820 | -0.9947703 | -0.74268758 |
| ## 28  | -0.9998777  | -0.9997194 | -0.99265037 | -0.9952872 | -0.9895044 | -0.60168722 |
| ## 29  | -0.9999924  | -0.9999748 | -0.99644147 | -0.9980463 | -0.9953441 | -0.76682565 |
| ## 30  | -0.9999935  | -0.9999875 | -0.99803963 | -0.9981111 | -0.9971742 | -0.83538000 |
| ## 31  | -0.9927041  | -0.9892122 | -0.99205852 | -0.9935545 | -0.9882023 | -0.30840433 |

|       |            |            |             |            |            |             |
|-------|------------|------------|-------------|------------|------------|-------------|
| ## 32 | -0.9917997 | -0.9876571 | -0.93067841 | -0.9281618 | -0.9126758 | -0.05274419 |
| ## 33 | -0.9990277 | -0.9983845 | -0.98765252 | -0.9757217 | -0.9785348 | -0.54290727 |
| ## 34 | -0.9999126 | -0.9999382 | -0.99713366 | -0.9908442 | -0.9957456 | -0.86349227 |
| ## 35 | -0.9999684 | -0.9999808 | -0.99814062 | -0.9952582 | -0.9980109 | -0.87355610 |
| ## 36 | -0.9999726 | -0.9999763 | -0.99785046 | -0.9961801 | -0.9967459 | -0.85378588 |
| ## 37 | -0.9999723 | -0.9999622 | -0.99781132 | -0.9969649 | -0.9949308 | -0.87355610 |
| ## 38 | -0.9999740 | -0.9999536 | -0.99726570 | -0.9956342 | -0.9938598 | -0.87355610 |
| ## 39 | -0.9999534 | -0.9998950 | -0.99387947 | -0.9949337 | -0.9940073 | -0.57320200 |
| ## 40 | -0.9999678 | -0.9999358 | -0.99716891 | -0.9955096 | -0.9962544 | -0.66860959 |
| ## 41 | -0.9999775 | -0.9999603 | -0.99701687 | -0.9963309 | -0.9958981 | -0.69797019 |
| ## 42 | -0.9999748 | -0.9999832 | -0.99613869 | -0.9966698 | -0.9973623 | -0.73108763 |
| ## 43 | -0.9999810 | -0.9999767 | -0.99868962 | -0.9958979 | -0.9965572 | -0.80547794 |
| ## 44 | -0.9999874 | -0.9999655 | -0.99878328 | -0.9957145 | -0.9954894 | -0.93000492 |
| ## 45 | -0.9999859 | -0.9999585 | -0.99798228 | -0.9957698 | -0.9946263 | -0.87355610 |
| ## 46 | -0.9999832 | -0.9999611 | -0.99703075 | -0.9965715 | -0.9932535 | -0.79463707 |
| ## 47 | -0.9999867 | -0.9999657 | -0.99597679 | -0.9969419 | -0.9946679 | -0.81822431 |
| ## 48 | -0.9999883 | -0.9999597 | -0.99635830 | -0.9970382 | -0.9938269 | -0.84442011 |
| ## 49 | -0.9999884 | -0.9999518 | -0.99804976 | -0.9975735 | -0.9924711 | -0.81822431 |
| ## 50 | -0.9999837 | -0.9999559 | -0.99787114 | -0.9969609 | -0.9939022 | -0.83538000 |
| ## 51 | -0.9999817 | -0.9999604 | -0.99683412 | -0.9963495 | -0.9950960 | -0.79186853 |
| ## 52 | -0.9987909 | -0.9994214 | -0.98897950 | -0.9918291 | -0.9920622 | -0.44985567 |
| ## 53 | -0.9999895 | -0.9999685 | -0.99534781 | -0.9970135 | -0.9973710 | -0.81008570 |
| ## 54 | -0.9999938 | -0.9999461 | -0.99680100 | -0.9976798 | -0.9934227 | -0.78023657 |
| ## 55 | -0.9999950 | -0.9999544 | -0.99830729 | -0.9977144 | -0.9953024 | -0.81822431 |
| ## 56 | -0.9999937 | -0.9999817 | -0.99854762 | -0.9975202 | -0.9982816 | -0.88399635 |
| ## 57 | -0.9999935 | -0.9999778 | -0.99809639 | -0.9973980 | -0.9967053 | -0.83538000 |
| ## 58 | -0.9999906 | -0.9999772 | -0.99792820 | -0.9971746 | -0.9963720 | -0.81822431 |
| ## 59 | -0.9999930 | -0.9999749 | -0.99882732 | -0.9981567 | -0.9968042 | -0.91780782 |
| ## 60 | -0.9999969 | -0.9999653 | -0.99901605 | -0.9986097 | -0.9951136 | -1.00000000 |
| ## 61 | -0.9999955 | -0.9999651 | -0.99921769 | -0.9980125 | -0.9941411 | -0.94272650 |
| ## 62 | -0.9999941 | -0.9999769 | -0.99789208 | -0.9975683 | -0.9963082 | -0.84346162 |
| ## 63 | -0.9999942 | -0.9999754 | -0.99687598 | -0.9980683 | -0.9958356 | -0.85385484 |
| ## 64 | -0.9999917 | -0.9999679 | -0.99749791 | -0.9970632 | -0.9950205 | -0.93000492 |
| ## 65 | -0.9979168 | -0.9975131 | -0.97915157 | -0.9637693 | -0.9721431 | -0.30486308 |
| ## 66 | -0.9998854 | -0.9998787 | -0.99322434 | -0.9873391 | -0.9911287 | -0.72043003 |
| ## 67 | -0.9946988 | -0.9822341 | -0.96474037 | -0.9700365 | -0.9744885 | -0.04629660 |
| ## 68 | -0.9940897 | -0.9813794 | -0.83930720 | -0.9080283 | -0.8884896 | 0.44568592  |
| ## 69 | -0.9992595 | -0.9989341 | -0.93262744 | -0.9726439 | -0.9640644 | 0.09399343  |
| ## 70 | -0.9924854 | -0.9892139 | -0.91268656 | -0.9592934 | -0.9360927 | -0.06636707 |
| ## 71 | -0.9610903 | -0.9583654 | -0.72094189 | -0.7780686 | -0.7637335 | 0.23659732  |
| ## 72 | -0.9657803 | -0.9674076 | -0.86124455 | -0.8600275 | -0.9198791 | 0.43062641  |
| ## 73 | -0.9972327 | -0.9983873 | -0.97064055 | -0.9753646 | -0.9813205 | 0.07501675  |
| ## 74 | -0.9998405 | -0.9999165 | -0.98002172 | -0.9857704 | -0.9898290 | -0.34772331 |
| ## 75 | -0.9998790 | -0.9999456 | -0.98855237 | -0.9931817 | -0.9939829 | -0.58672004 |
| ## 76 | -0.9999823 | -0.9999704 | -0.99240093 | -0.9963919 | -0.9948173 | -0.76498586 |
| ## 77 | -0.9999806 | -0.9999779 | -0.99411556 | -0.9960014 | -0.9957472 | -0.72816269 |
| ## 78 | -0.9999802 | -0.9999769 | -0.99380599 | -0.9963123 | -0.9975272 | -0.72119438 |
| ## 79 | -0.8670645 | -0.8302985 | -0.44202462 | -0.6437845 | -0.4608486 | 0.74342518  |
| ## 80 | -0.8498588 | -0.7989612 | -0.28566695 | -0.5711718 | -0.3799361 | 0.71957445  |
| ## 81 | -0.8335275 | -0.7812541 | -0.29615586 | -0.4946297 | -0.4064064 | 0.79423450  |



|        |            |            |             |            |            |            |
|--------|------------|------------|-------------|------------|------------|------------|
| ## 82  | -0.7124698 | -0.7603122 | -0.31762051 | -0.3191343 | -0.3848310 | 0.62654775 |
| ## 83  | -0.6708405 | -0.8283687 | -0.25778828 | -0.2799276 | -0.4937727 | 0.47944502 |
| ## 84  | -0.7483645 | -0.8636627 | -0.29903709 | -0.2629728 | -0.4098482 | 0.51997579 |
| ## 85  | -0.7993212 | -0.8233232 | -0.27662202 | -0.3572322 | -0.3644728 | 0.62379192 |
| ## 86  | -0.7829290 | -0.7821580 | -0.23360445 | -0.3850273 | -0.4673854 | 0.73964462 |
| ## 87  | -0.8729707 | -0.8963348 | -0.45450534 | -0.5496905 | -0.5055503 | 0.64361994 |
| ## 88  | -0.8552157 | -0.8329147 | -0.23570534 | -0.5446088 | -0.4005007 | 0.70262671 |
| ## 89  | -0.8547305 | -0.8115140 | -0.30896366 | -0.5392348 | -0.3255062 | 0.70992802 |
| ## 90  | -0.7904526 | -0.8138423 | -0.28647233 | -0.3381523 | -0.2850159 | 0.67342150 |
| ## 91  | -0.7582100 | -0.8077646 | -0.06430867 | -0.3287549 | -0.2606037 | 0.71774071 |
| ## 92  | -0.7322739 | -0.7938202 | -0.29170988 | -0.3493651 | -0.3231578 | 0.59479066 |
| ## 93  | -0.7644700 | -0.7336946 | -0.35325674 | -0.3575353 | -0.3336048 | 0.55651780 |
| ## 94  | -0.7697755 | -0.7300889 | -0.25358113 | -0.3520890 | -0.2525590 | 0.53006842 |
| ## 95  | -0.7438223 | -0.7822456 | -0.28329620 | -0.3869600 | -0.2937334 | 0.54187970 |
| ## 96  | -0.7167484 | -0.8049978 | -0.25856834 | -0.3034842 | -0.3575704 | 0.59945905 |
| ## 97  | -0.6724987 | -0.7972432 | -0.26664017 | -0.2578607 | -0.3674074 | 0.59394739 |
| ## 98  | -0.7425352 | -0.8200766 | -0.28915146 | -0.3305618 | -0.5543322 | 0.65092125 |
| ## 99  | -0.7663683 | -0.7696955 | -0.25530865 | -0.3301919 | -0.2861845 | 0.66856594 |
| ## 100 | -0.8124092 | -0.7796562 | -0.22867637 | -0.3914969 | -0.3076129 | 0.65881889 |
| ## 101 | -0.7606871 | -0.7933198 | -0.22128883 | -0.4010756 | -0.4058911 | 0.50980570 |
| ## 102 | -0.6077883 | -0.7348694 | -0.18169873 | -0.2753034 | -0.3728846 | 0.54366934 |
| ## 103 | -0.6300601 | -0.7977490 | -0.23692845 | -0.2778288 | -0.4189239 | 0.60643348 |
| ## 104 | -0.6890460 | -0.8542310 | -0.22050248 | -0.3187602 | -0.3651663 | 0.56186342 |
| ## 105 | -0.7396078 | -0.8675397 | -0.32472518 | -0.3766293 | -0.3606796 | 0.68302383 |
| ## 106 | -0.8122077 | -0.8506866 | -0.40614789 | -0.4311716 | -0.3954357 | 0.64049426 |
| ## 107 | -0.7719485 | -0.7863931 | -0.35998524 | -0.4323510 | -0.4487233 | 0.55371885 |
| ## 108 | -0.7821258 | -0.7408963 | -0.19780042 | -0.4291244 | -0.4193127 | 0.63109323 |
| ## 109 | -0.7807301 | -0.7681117 | -0.17613478 | -0.3358832 | -0.3565478 | 0.53182256 |
| ## 110 | -0.7344907 | -0.8292388 | -0.29987407 | -0.2941629 | -0.4397762 | 0.56653944 |
| ## 111 | -0.7456006 | -0.8405252 | -0.30998811 | -0.3461430 | -0.5149216 | 0.63936072 |
| ## 112 | -0.7161060 | -0.8137203 | -0.29005936 | -0.3693868 | -0.3193640 | 0.55468504 |
| ## 113 | -0.8201927 | -0.8612358 | -0.37149059 | -0.4115826 | -0.3269933 | 0.50429404 |
| ## 114 | -0.7721231 | -0.8772768 | -0.35808133 | -0.3086934 | -0.4155290 | 0.62654775 |
| ## 115 | -0.7528015 | -0.8780894 | -0.27924023 | -0.3258865 | -0.4288552 | 0.75153549 |
| ## 116 | -0.7665569 | -0.8331449 | -0.29146420 | -0.3485487 | -0.4209944 | 0.69493108 |
| ## 117 | -0.7799406 | -0.7702435 | -0.32646471 | -0.4274064 | -0.3918909 | 0.58018805 |
| ## 118 | -0.8149312 | -0.8061492 | -0.31878306 | -0.4540831 | -0.4061451 | 0.61924645 |
| ## 119 | -0.8202463 | -0.8729393 | -0.41185407 | -0.5101886 | -0.4411907 | 0.63384906 |
| ## 120 | -0.8185398 | -0.8534788 | -0.55488777 | -0.4564849 | -0.4663992 | 0.65345404 |
| ## 121 | -0.8412072 | -0.8599433 | -0.40554992 | -0.4803232 | -0.5598256 | 0.65503979 |
| ## 122 | -0.8298024 | -0.8619584 | -0.17257492 | -0.5165093 | -0.5428272 | 0.66663158 |
| ## 123 | -0.8133116 | -0.8325581 | -0.08904461 | -0.4807397 | -0.4217947 | 0.63384906 |
| ## 124 | -0.8213487 | -0.8528035 | -0.27023255 | -0.4608734 | -0.3751624 | 0.60711343 |
| ## 125 | -0.7955750 | -0.8531623 | -0.38213096 | -0.5057591 | -0.4276290 | 0.60711343 |
| ## 126 | -0.8677230 | -0.7623388 | -0.47920955 | -0.4799214 | -0.4995591 | 0.49351878 |
| ## 127 | -0.6997021 | -0.8400690 | -0.46250244 | -0.4714377 | -0.4667001 | 0.47435536 |
| ## 128 | -0.6019275 | -0.7750631 | -0.44978633 | -0.3573318 | -0.4506690 | 0.45952003 |
| ## 129 | -0.7489296 | -0.7715627 | -0.39049175 | -0.3693059 | -0.4574007 | 0.67296670 |
| ## 130 | -0.8174309 | -0.7689376 | -0.52926309 | -0.3718291 | -0.2644873 | 0.66512424 |
| ## 131 | -0.7039527 | -0.6524539 | -0.59065569 | -0.3130670 | -0.2378865 | 0.54547117 |

|        |             |             |              |              |              |             |
|--------|-------------|-------------|--------------|--------------|--------------|-------------|
| ## 132 | -0.7098772  | -0.6307288  | -0.54328707  | -0.3996541   | -0.4078536   | 0.65069821  |
| ## 133 | -0.8127776  | -0.7348593  | -0.60239500  | -0.4280057   | -0.3844106   | 0.55334277  |
| ## 134 | -0.7610089  | -0.7992731  | -0.58695332  | -0.4414400   | -0.3287290   | 0.43654104  |
| ## 135 | -0.5358746  | -0.6697160  | -0.53056419  | -0.3364168   | -0.2020061   | 0.64009993  |
| ## 136 | -0.6297945  | -0.6730386  | -0.56640882  | -0.3093237   | -0.3147440   | 0.49445635  |
| ## 137 | -0.5720501  | -0.6324965  | -0.46378211  | -0.3167040   | -0.1865107   | 0.58245368  |
| ## 138 | -0.6061722  | -0.5011905  | -0.55785873  | -0.2050588   | -0.1693921   | 0.69179872  |
| ## 139 | -0.5821584  | -0.5456302  | -0.69127132  | -0.2488512   | -0.1141771   | 0.22528165  |
| ## 140 | -0.6294855  | -0.7521980  | -0.52415813  | -0.3537529   | -0.2808804   | 0.40072868  |
| ## 141 | -0.7299318  | -0.7806515  | -0.41758710  | -0.2320108   | -0.3310704   | 0.64197184  |
| ## 142 | -0.7787941  | -0.7466493  | -0.55162803  | -0.3018753   | -0.3072444   | 0.48430491  |
| ## 143 | -0.8057727  | -0.7531033  | -0.44233702  | -0.3126652   | -0.2974639   | 0.77060845  |
| ## 144 | -0.7796225  | -0.7639645  | -0.42370419  | -0.2850349   | -0.4033948   | 0.59728806  |
| ## 145 | -0.6964330  | -0.7099908  | -0.43903981  | -0.3652883   | -0.3358176   | 0.66111992  |
| ## 146 | -0.5864457  | -0.6724198  | -0.38170035  | -0.2545939   | -0.1687996   | 0.57467639  |
| ## 147 | -0.7344377  | -0.7792621  | -0.44875457  | -0.4016306   | -0.3559218   | 0.57515238  |
| ## 148 | -0.7731523  | -0.8389758  | -0.46848348  | -0.3941594   | -0.4146626   | 0.66609043  |
| ## 149 | -0.7453885  | -0.7927868  | -0.51687574  | -0.3529976   | -0.3915840   | 0.59540819  |
| ## 150 | -0.8452652  | -0.7497244  | -0.52862134  | -0.4886266   | -0.3394966   | 0.61464650  |
| ## 151 | -0.8770518  | -0.9403100  | -0.66993666  | -0.4985491   | -0.7100153   | 0.33852334  |
| ## 152 | -0.8924730  | -0.9399260  | -0.70270830  | -0.5470319   | -0.7198676   | 0.39319210  |
| ## 153 | -0.9173825  | -0.9377547  | -0.65241625  | -0.6316844   | -0.7120502   | 0.45329786  |
| ## 154 | -0.9086882  | -0.9047699  | -0.60029429  | -0.6504073   | -0.6042640   | 0.51997579  |
| ## 155 | -0.9101426  | -0.8988917  | -0.65846405  | -0.6385377   | -0.6140264   | 0.46610321  |
| ## 156 | -0.9228556  | -0.9292448  | -0.66569964  | -0.6289151   | -0.6704223   | 0.48961263  |
| ## 157 | -0.8823138  | -0.9368579  | -0.60780332  | -0.5339510   | -0.7003791   | 0.59407742  |
| ## 158 | -0.8806817  | -0.9343884  | -0.58343617  | -0.5571130   | -0.7313976   | 0.51541119  |
| ## 159 | -0.9137406  | -0.9362326  | -0.47834025  | -0.5500224   | -0.6257813   | 0.62961368  |
| ## 160 | -0.9100666  | -0.9365831  | -0.44926192  | -0.5575912   | -0.6318355   | 0.65467522  |
| ## 161 | -0.9065263  | -0.8747648  | -0.47118256  | -0.5099878   | -0.5179077   | 0.66989039  |
| ## 162 | -0.9180796  | -0.8996163  | -0.54130680  | -0.5893582   | -0.6318968   | 0.60316837  |
| ## 163 | -0.9444009  | -0.9488951  | -0.62088782  | -0.6857873   | -0.6771453   | 0.73134610  |
| ## 164 | -0.9289166  | -0.9353219  | -0.64941801  | -0.6454163   | -0.6147258   | 0.45843733  |
| ## 165 | -0.9400060  | -0.9258045  | -0.70081997  | -0.6664422   | -0.5830835   | 0.22644588  |
| ## 166 | -0.9498034  | -0.9363612  | -0.71178847  | -0.6817068   | -0.6590258   | 0.49662768  |
| ## 167 | -0.9454213  | -0.9648043  | -0.65271124  | -0.6655403   | -0.7690265   | 0.62089138  |
| ## 168 | -0.9537541  | -0.9360644  | -0.62917769  | -0.6946793   | -0.6672926   | 0.46578175  |
| ## 169 | -0.9381657  | -0.9191818  | -0.62493017  | -0.7056785   | -0.6533179   | 0.46890216  |
| ## 170 | -0.9331061  | -0.9077587  | -0.57775377  | -0.7134379   | -0.6017454   | 0.46682133  |
| ## 171 | -0.9484283  | -0.9173533  | -0.58026440  | -0.6949814   | -0.6364697   | 0.44197231  |
| ## 172 | -0.9452835  | -0.9361609  | -0.61943644  | -0.6923287   | -0.6691231   | 0.48800712  |
| ## 173 | -0.9463951  | -0.9431094  | -0.58227525  | -0.6805829   | -0.6916842   | 0.44927361  |
| ## 174 | -0.9405381  | -0.9121761  | -0.56528834  | -0.6819922   | -0.6366755   | 0.36422216  |
| ## 175 | -0.9495156  | -0.9082623  | -0.68253459  | -0.7153098   | -0.5708004   | 0.44148658  |
| ## 176 | -0.9499487  | -0.9096835  | -0.73339544  | -0.7379970   | -0.5929355   | 0.45296878  |
| ## 177 | -0.9998631  | -0.9998809  | -0.98327012  | -0.9916350   | -0.9902747   | -0.47761835 |
| ##     | NA          | NA          | NA           | NA           | NA           | NA          |
| ## 1   | -0.68845905 | -0.57210686 | 0.292376340  | -0.361998020 | 0.4055426900 |             |
| ## 2   | -0.74824724 | -0.60893213 | -0.193307570 | -0.067406458 | 0.1856190700 |             |
| ## 3   | -0.67295733 | -0.58841044 | -0.241150980 | -0.011377283 | 0.1161336300 |             |

|       |             |             |              |              |               |
|-------|-------------|-------------|--------------|--------------|---------------|
| ## 4  | -0.73133214 | -0.66143445 | 0.009894985  | -0.137571470 | 0.1259651700  |
| ## 5  | -0.68309318 | -0.63292721 | -0.025678521 | -0.188139160 | 0.2309495700  |
| ## 6  | -0.68059049 | -0.54189712 | -0.265496090 | 0.055804091  | -0.0456353260 |
| ## 7  | -0.66607491 | -0.49959526 | 0.009593592  | -0.131075300 | 0.1079137800  |
| ## 8  | -0.66798651 | -0.56541558 | 0.075953007  | -0.224295140 | 0.2377372300  |
| ## 9  | -0.76525671 | -0.68840598 | 0.086642266  | -0.109513620 | 0.2431568600  |
| ## 10 | -0.55926549 | -0.46244733 | -0.133233590 | -0.024706337 | 0.0001514843  |
| ## 11 | -0.55926549 | -0.48215253 | -0.197138820 | 0.009657765  | -0.0654972900 |
| ## 12 | -0.79954780 | -0.75811504 | 0.213457870  | -0.091160697 | 0.2620830700  |
| ## 13 | -0.86976546 | -0.79748966 | 0.182419110  | 0.002061251  | 0.3352682800  |
| ## 14 | -0.82741747 | -0.69551767 | 0.136456110  | -0.048112315 | 0.3500781000  |
| ## 15 | -0.64118064 | -0.38148945 | -0.029870244 | -0.156227930 | 0.2768992000  |
| ## 16 | -0.76525671 | -0.61888215 | 0.213704080  | -0.175548570 | 0.2635717300  |
| ## 17 | -0.78065453 | -0.62773070 | 0.207623260  | -0.131889640 | 0.2400657100  |
| ## 18 | -0.79441256 | -0.62283903 | 0.156718470  | -0.130886130 | 0.3032145400  |
| ## 19 | -0.87806589 | -0.73424522 | 0.168669750  | -0.248424530 | 0.2618766000  |
| ## 20 | -0.91049251 | -0.74130965 | 0.229967640  | -0.232703710 | 0.1318572300  |
| ## 21 | -0.86636479 | -0.69551767 | 0.361649320  | -0.173832170 | 0.3917040600  |
| ## 22 | -0.87458441 | -0.69845039 | 0.386883460  | -0.106590150 | 0.5546597600  |
| ## 23 | -0.87458441 | -0.69551767 | 0.289748910  | -0.067733904 | 0.5216522700  |
| ## 24 | -0.83715581 | -0.69205130 | 0.326642020  | -0.113156520 | 0.3172236300  |
| ## 25 | -0.82003995 | -0.62567501 | 0.164930270  | -0.005106808 | 0.1409367900  |
| ## 26 | -0.78925481 | -0.64538512 | -0.048893029 | -0.051458208 | 0.1129441200  |
| ## 27 | -0.75063691 | -0.67493629 | 0.079621508  | -0.143556570 | 0.2495988100  |
| ## 28 | -0.55881560 | -0.38181579 | -0.056538458 | 0.051589501  | -0.0359952990 |
| ## 29 | -0.73064813 | -0.76697230 | 0.277335760  | 0.082815109  | 0.3391737000  |
| ## 30 | -0.74259173 | -0.85816765 | 0.250433750  | 0.150451380  | 0.2218598300  |
| ## 31 | -0.22562196 | -0.27641826 | -0.290495660 | -0.054030839 | 0.2238646200  |
| ## 32 | 0.16641340  | 0.23512630  | -0.286245770 | -0.052398035 | 0.2738159000  |
| ## 33 | -0.07737097 | -0.10009125 | -0.071351685 | -0.200487740 | 0.6541307200  |
| ## 34 | -0.35839636 | -0.65840352 | 0.189509140  | -0.184696340 | 0.2361983100  |
| ## 35 | -0.54100260 | -0.74395672 | 0.483111290  | -0.102352920 | 0.7266248600  |
| ## 36 | -0.60774142 | -0.75811504 | 0.334474130  | 0.072286801  | 0.4652510500  |
| ## 37 | -0.63884347 | -0.68840598 | 0.450818290  | -0.074086308 | 0.5538796400  |
| ## 38 | -0.62445851 | -0.62109683 | 0.477197270  | -0.114639310 | 0.5198176300  |
| ## 39 | -0.50507616 | -0.37118670 | 0.308026790  | -0.482510760 | 0.2459694200  |
| ## 40 | -0.63590760 | -0.45440491 | -0.024447902 | -0.131168130 | -0.0296648430 |
| ## 41 | -0.61426810 | -0.53455580 | -0.036260178 | -0.068205268 | 0.1789788500  |
| ## 42 | -0.63484893 | -0.72752467 | 0.157120670  | -0.029902354 | 0.2490954200  |
| ## 43 | -0.65008925 | -0.72104379 | 0.225148180  | 0.004073671  | 0.2896429500  |
| ## 44 | -0.67191552 | -0.68299855 | 0.314753010  | -0.104237010 | 0.4127848900  |
| ## 45 | -0.68993419 | -0.68299855 | 0.595893650  | -0.087765785 | 0.5790684900  |
| ## 46 | -0.70658528 | -0.65652486 | 0.513310860  | 0.106929460  | 0.5369023400  |
| ## 47 | -0.69549850 | -0.68840598 | 0.268378050  | 0.168164550  | 0.3527252400  |
| ## 48 | -0.71026959 | -0.68154770 | 0.306174300  | 0.021199564  | 0.3876319200  |
| ## 49 | -0.75153136 | -0.61224672 | 0.519576800  | -0.191014050 | 0.5511199200  |
| ## 50 | -0.69352383 | -0.68001339 | 0.551480000  | -0.256866990 | 0.5449805400  |
| ## 51 | -0.68811686 | -0.69845039 | 0.295981140  | -0.021656148 | 0.3399979600  |
| ## 52 | -0.26119397 | -0.63927702 | 0.011492413  | -0.288772640 | 0.2507667400  |
| ## 53 | -0.71121080 | -0.92061236 | 0.245717930  | -0.212358500 | 0.2734952300  |

|        |             |             |              |              |               |
|--------|-------------|-------------|--------------|--------------|---------------|
| ## 54  | -0.80680232 | -0.73334022 | 0.194289510  | 0.051210206  | 0.1868716200  |
| ## 55  | -0.81192678 | -0.68299855 | 0.379034880  | 0.056717373  | 0.4089920700  |
| ## 56  | -0.79738245 | -0.72665087 | 0.429685300  | 0.030442609  | 0.4875716500  |
| ## 57  | -0.81240400 | -0.70414354 | 0.432976950  | -0.104701380 | 0.4732056900  |
| ## 58  | -0.75846383 | -0.68840598 | 0.446681270  | -0.159568600 | 0.4676137300  |
| ## 59  | -0.83715581 | -0.71822156 | 0.398998590  | -0.079360826 | 0.3730880500  |
| ## 60  | -0.94096391 | -0.69551767 | 0.195635790  | 0.045690855  | 0.2302071200  |
| ## 61  | -0.86976546 | -0.67493629 | 0.554995290  | -0.299332230 | 0.5304068700  |
| ## 62  | -0.80409718 | -0.73424522 | 0.480169330  | -0.148660130 | 0.4742972700  |
| ## 63  | -0.82741747 | -0.72564701 | 0.363892390  | -0.082333067 | 0.3357235700  |
| ## 64  | -0.76781584 | -0.68840598 | 0.401193440  | -0.222540490 | 0.4241480500  |
| ## 65  | -0.05174969 | -0.26557788 | -0.173765900 | 0.114473660  | -0.0341436180 |
| ## 66  | -0.36129161 | -0.71871724 | -0.100997430 | -0.352996670 | 0.2426532700  |
| ## 67  | 0.17164829  | -0.10799852 | -0.767376190 | 0.445215510  | -0.3828454500 |
| ## 68  | 0.29713984  | 0.18643571  | -0.709727560 | 0.373478310  | -0.3246018300 |
| ## 69  | -0.02008505 | -0.26519558 | -0.352369150 | 0.035557501  | -0.0416693090 |
| ## 70  | 0.30110407  | 0.02505958  | -0.621017310 | 0.194766890  | -0.0615385300 |
| ## 71  | 0.49314187  | 0.42804737  | -0.570937760 | 0.211563010  | -0.2708181500 |
| ## 72  | 0.34167737  | 0.24707206  | -0.466089230 | 0.104510320  | -0.2387776000 |
| ## 73  | 0.02445236  | -0.27198686 | -0.250810480 | -0.190310320 | 0.2553316100  |
| ## 74  | -0.23599739 | -0.55860673 | 0.148156900  | -0.141952450 | 0.4286121000  |
| ## 75  | -0.41157247 | -0.64563269 | 0.270991730  | -0.128886070 | 0.4561283500  |
| ## 76  | -0.63936823 | -0.73334022 | 0.109880590  | -0.105682650 | 0.0891090720  |
| ## 77  | -0.64347062 | -0.77998096 | 0.154170320  | -0.026005825 | 0.1798019900  |
| ## 78  | -0.61935224 | -0.76254225 | 0.159919300  | -0.052046949 | 0.3740643200  |
| ## 79  | 0.63553150  | 0.54849775  | -0.518213250 | 0.454758430  | -0.2839352100 |
| ## 80  | 0.56042014  | 0.60908839  | -0.318589960 | 0.098378446  | 0.2561622000  |
| ## 81  | 0.50171219  | 0.68495024  | -0.240585430 | 0.039929960  | 0.3372839600  |
| ## 82  | 0.62789555  | 0.69901170  | -0.455302220 | 0.351248740  | -0.0783146240 |
| ## 83  | 0.54947566  | 0.76685358  | -0.328345690 | 0.142928390  | 0.2022270500  |
| ## 84  | 0.56112608  | 0.68457277  | -0.189099470 | -0.103271320 | 0.4281636300  |
| ## 85  | 0.66607531  | 0.60093118  | -0.239220070 | 0.024554998  | 0.3310359800  |
| ## 86  | 0.64286809  | 0.60374371  | -0.167957610 | -0.035899689 | 0.3675559500  |
| ## 87  | 0.53646469  | 0.67613516  | -0.224751440 | 0.026941594  | 0.3182494700  |
| ## 88  | 0.59943672  | 0.66752675  | -0.168463080 | 0.022761523  | 0.2335273100  |
| ## 89  | 0.80918148  | 0.63856097  | -0.248988550 | 0.102018500  | 0.1964704700  |
| ## 90  | 0.67371126  | 0.66160953  | -0.410000820 | 0.255496670  | 0.1048538400  |
| ## 91  | 0.50003848  | 0.66645470  | -0.521099560 | 0.446777340  | -0.2877966500 |
| ## 92  | 0.60911798  | 0.78482230  | -0.452242320 | 0.406619940  | -0.2175877100 |
| ## 93  | 0.78702475  | 0.75868576  | -0.356220910 | 0.318603320  | -0.0612345870 |
| ## 94  | 0.79941451  | 0.70510094  | -0.377351430 | 0.318291060  | -0.1012095000 |
| ## 95  | 0.54110037  | 0.65465828  | -0.406573260 | 0.268511650  | 0.0129029390  |
| ## 96  | 0.43134727  | 0.51941670  | -0.434934990 | 0.310062380  | 0.0150471830  |
| ## 97  | 0.56042014  | 0.54253682  | -0.252194150 | 0.174235180  | 0.1500139300  |
| ## 98  | 0.57569204  | 0.48660481  | -0.219187340 | 0.088073892  | 0.3254980800  |
| ## 99  | 0.54873632  | 0.63144302  | -0.379632820 | 0.272875000  | -0.0248186680 |
| ## 100 | 0.53038432  | 0.75621742  | -0.391171080 | 0.228527780  | 0.0046695761  |
| ## 101 | 0.41751630  | 0.71614717  | -0.191346750 | 0.161772730  | -0.0347654690 |
| ## 102 | 0.58006456  | 0.77174568  | -0.085937450 | 0.116338650  | 0.0435977820  |
| ## 103 | 0.67653642  | 0.65195945  | -0.109489070 | 0.062485158  | 0.1654993400  |

|        |            |            |              |              |               |
|--------|------------|------------|--------------|--------------|---------------|
| ## 104 | 0.64979293 | 0.57675008 | -0.231063080 | 0.179058430  | 0.1581270100  |
| ## 105 | 0.72513990 | 0.64867736 | -0.243594640 | 0.151345470  | 0.2027111800  |
| ## 106 | 0.61195503 | 0.61091486 | -0.375818230 | 0.237472020  | 0.1036759700  |
| ## 107 | 0.43458365 | 0.62863049 | -0.389855060 | 0.346104570  | -0.1342709400 |
| ## 108 | 0.68494046 | 0.77919722 | -0.172271040 | -0.005718466 | 0.2806085400  |
| ## 109 | 0.74905823 | 0.70327863 | -0.319960080 | 0.076097155  | 0.3350011700  |
| ## 110 | 0.58332799 | 0.52405571 | -0.332252670 | 0.249795970  | 0.1623094100  |
| ## 111 | 0.55937254 | 0.47915327 | -0.377128640 | 0.346351820  | -0.0341817880 |
| ## 112 | 0.90865034 | 0.56229950 | -0.196110190 | 0.146524470  | 0.1035492600  |
| ## 113 | 0.75572983 | 0.57267107 | -0.184854550 | 0.050773756  | 0.2769121800  |
| ## 114 | 0.67947554 | 0.68454240 | -0.310490870 | 0.100095210  | 0.3638568800  |
| ## 115 | 0.52582847 | 0.73975569 | -0.390402430 | 0.297330690  | 0.0006661611  |
| ## 116 | 0.49695838 | 0.68509468 | -0.278593960 | 0.162009950  | 0.1505886000  |
| ## 117 | 0.59859989 | 0.62949111 | -0.266160950 | 0.152127960  | 0.2000885400  |
| ## 118 | 0.65101670 | 0.57834015 | -0.329169070 | 0.304232330  | -0.0351450040 |
| ## 119 | 0.60148203 | 0.55781199 | -0.219182890 | 0.060813054  | 0.2430486400  |
| ## 120 | 0.50767443 | 0.58016662 | -0.159080890 | -0.049147360 | 0.4790720100  |
| ## 121 | 0.35433140 | 0.42573642 | -0.244043830 | 0.028632741  | 0.2962790200  |
| ## 122 | 0.56513682 | 0.45090359 | -0.117960980 | -0.139694510 | 0.5739999100  |
| ## 123 | 0.68494046 | 0.63636243 | -0.125224360 | -0.084002447 | 0.5620300500  |
| ## 124 | 0.48644028 | 0.63209550 | -0.273103850 | 0.044933147  | 0.2653824500  |
| ## 125 | 0.42694770 | 0.54009636 | -0.295689790 | 0.129871120  | 0.2654914000  |
| ## 126 | 0.58621013 | 0.51904463 | -0.148476870 | 0.200107220  | 0.2526420000  |
| ## 127 | 0.76144799 | 0.57267885 | -0.108198850 | 0.106005340  | 0.4130108700  |
| ## 128 | 0.78589235 | 0.64137351 | -0.348410900 | 0.204101080  | 0.2189549700  |
| ## 129 | 0.68930746 | 0.58761816 | -0.251443310 | 0.084060624  | 0.2814465800  |
| ## 130 | 0.71001934 | 0.58001512 | -0.208084110 | 0.105635430  | 0.2361434800  |
| ## 131 | 0.66340646 | 0.56522731 | -0.222316930 | 0.214669370  | 0.1560952000  |
| ## 132 | 0.62722693 | 0.51017027 | -0.060086228 | 0.030359713  | 0.3619437000  |
| ## 133 | 0.68422935 | 0.56229950 | -0.020539518 | -0.011798699 | 0.4572187100  |
| ## 134 | 0.68494046 | 0.62183142 | -0.211351710 | 0.167087290  | 0.2435774500  |
| ## 135 | 0.71797960 | 0.49428111 | -0.318140080 | 0.183878720  | 0.2525209600  |
| ## 136 | 0.74905823 | 0.62863049 | -0.302095480 | 0.186195380  | 0.1602499600  |
| ## 137 | 0.72083062 | 0.72713910 | -0.458565190 | 0.409535100  | -0.2052578100 |
| ## 138 | 0.78414261 | 0.53876562 | -0.355064840 | 0.327307410  | -0.1417989100 |
| ## 139 | 0.70223205 | 0.57256358 | -0.377921290 | 0.199649510  | 0.0800756580  |
| ## 140 | 0.60995481 | 0.50868948 | -0.541974140 | 0.356270450  | -0.0083526111 |
| ## 141 | 0.68969427 | 0.51359845 | -0.414188420 | 0.250118300  | -0.0181238570 |
| ## 142 | 0.69438286 | 0.67680476 | -0.085903873 | 0.162968980  | 0.1757627400  |
| ## 143 | 0.74142228 | 0.72278619 | -0.146187970 | 0.157987220  | 0.2678433500  |
| ## 144 | 0.78627363 | 0.64206744 | -0.157143400 | 0.182156040  | 0.2044206900  |
| ## 145 | 0.82733553 | 0.59784602 | -0.396594570 | 0.277315780  | 0.1735869900  |
| ## 146 | 0.71985127 | 0.72925166 | -0.466420360 | 0.326949840  | 0.1406759200  |
| ## 147 | 0.70021236 | 0.66920553 | -0.266150790 | 0.170675400  | 0.0506268190  |
| ## 148 | 0.65577051 | 0.52040277 | -0.272179160 | 0.176641260  | 0.0527066230  |
| ## 149 | 0.63486288 | 0.63595658 | -0.292451850 | 0.179538370  | 0.1826486400  |
| ## 150 | 0.67730451 | 0.61653994 | -0.248698170 | 0.141936860  | 0.3407010000  |
| ## 151 | 0.60148203 | 0.57159131 | -0.268485450 | 0.121902480  | 0.1405037600  |
| ## 152 | 0.49816681 | 0.54293379 | -0.155331630 | -0.057412194 | 0.2065839000  |
| ## 153 | 0.47116838 | 0.46289203 | -0.261689420 | 0.054487908  | 0.2026780000  |

|        |               |               |              |               |               |
|--------|---------------|---------------|--------------|---------------|---------------|
| ## 154 | 0.54986492    | 0.33434564    | -0.394341650 | 0.166274960   | 0.1507927100  |
| ## 155 | 0.35144926    | 0.53545736    | -0.394117940 | 0.129061580   | 0.1140376600  |
| ## 156 | 0.34914775    | 0.57781609    | -0.217006740 | -0.038092525  | 0.2511171900  |
| ## 157 | 0.54598506    | 0.50415735    | -0.136821400 | -0.044917715  | 0.2443577400  |
| ## 158 | 0.63286266    | 0.53053082    | -0.251008150 | 0.114361350   | 0.2138656100  |
| ## 159 | 0.54934711    | 0.63109276    | -0.187494660 | -0.017902947  | 0.2174404500  |
| ## 160 | 0.64536894    | 0.54087079    | -0.201723580 | 0.030935512   | 0.2106897200  |
| ## 161 | 0.54985695    | 0.67529476    | -0.218907600 | 0.104167000   | -0.0001392358 |
| ## 162 | 0.54990204    | 0.68671307    | -0.190918940 | 0.110528730   | -0.0183662160 |
| ## 163 | 0.52694910    | 0.54299760    | -0.337165550 | 0.243689040   | -0.1364706500 |
| ## 164 | 0.63009152    | 0.58869294    | -0.408399340 | 0.277164560   | -0.1395434200 |
| ## 165 | 0.57089313    | 0.53747000    | -0.440254540 | 0.327949040   | -0.0002760416 |
| ## 166 | 0.37306607    | 0.52137089    | -0.266328300 | 0.114564660   | 0.0722357900  |
| ## 167 | 0.43933746    | 0.39186966    | -0.352740130 | 0.182740320   | -0.1147606200 |
| ## 168 | 0.40843942    | 0.59515425    | -0.300952730 | 0.191152180   | -0.0162862290 |
| ## 169 | 0.55837482    | 0.64064566    | -0.396481160 | 0.290487150   | -0.0425065620 |
| ## 170 | 0.44946896    | 0.65856937    | -0.306922120 | 0.140940320   | 0.0037374258  |
| ## 171 | 0.57813577    | 0.54471159    | -0.347980360 | 0.196642960   | -0.0469308380 |
| ## 172 | 0.61924913    | 0.44672773    | -0.476659020 | 0.356740870   | -0.0420789900 |
| ## 173 | 0.50015660    | 0.44847930    | -0.333255010 | 0.150927090   | 0.1232968800  |
| ## 174 | 0.67799568    | 0.59843511    | -0.344281270 | 0.115518620   | 0.0815666990  |
| ## 175 | 0.54000748    | 0.66364216    | -0.268921200 | 0.096970817   | 0.2070913700  |
| ## 176 | 0.48742268    | 0.67671878    | -0.191552270 | 0.082226084   | 0.2433851400  |
| ## 177 | -0.51422823   | -0.40145485   | 0.612293440  | -0.868083400  | 0.3853334100  |
| ##     | NA            | NA            | NA           | NA            | NA            |
| ## 1   | -0.0390069510 | 0.9892838100  | -0.414560480 | 0.3916025100  | 2.822509e-01  |
| ## 2   | 0.0415218110  | 0.0723525490  | -0.035377727 | 0.1776063600  | 2.749805e-02  |
| ## 3   | 0.0896298790  | 0.0959860270  | 0.009604215  | 0.0951261410  | 2.528870e-01  |
| ## 4   | 0.3161197000  | 0.0943329520  | 0.026171325  | 0.0696609900  | 2.466532e-01  |
| ## 5   | 0.2002583800  | -0.1494002800 | 0.271977090  | -0.2715154700 | -9.937466e-03 |
| ## 6   | 0.2362762500  | -0.1221989500 | 0.268114140  | -0.1936924600 | -5.319577e-03 |
| ## 7   | 0.4165105400  | -0.0524902690 | 0.051215149  | -0.0397855910 | 3.690164e-01  |
| ## 8   | 0.3349742600  | -0.0869685160 | 0.073873000  | -0.1384707800 | 3.206576e-01  |
| ## 9   | 0.4608707600  | -0.1342637200 | -0.013461528 | 0.1989779700  | -3.707039e-02 |
| ## 10  | 0.4426286900  | -0.2453279500 | 0.010301495  | 0.0811790270  | 1.096627e-01  |
| ## 11  | 0.3608675700  | -0.2428414800 | 0.042217792  | -0.0042892968 | 1.971729e-01  |
| ## 12  | 0.1463807000  | 0.0206379530  | 0.085306285  | 0.1205812000  | 2.794445e-01  |
| ## 13  | 0.2790814900  | 0.2376564200  | 0.022329962  | 0.3590552000  | 3.000507e-01  |
| ## 14  | 0.0860723960  | 0.2525088000  | -0.039367741 | 0.4021406600  | 2.849337e-01  |
| ## 15  | -0.0098690263 | 0.1643198000  | -0.228627950 | 0.1071100200  | -2.289570e-01 |
| ## 16  | 0.0945860020  | 0.0433669940  | 0.053957247  | 0.2205105700  | -4.492381e-01 |
| ## 17  | 0.3869634800  | -0.0954629950 | 0.119091910  | 0.0795095910  | -2.181467e-01 |
| ## 18  | 0.3681561000  | -0.1551533000 | 0.186575300  | -0.1824569800 | 3.240207e-01  |
| ## 19  | 0.2203120100  | -0.1386967800 | 0.186435040  | -0.0743844530 | 3.200621e-01  |
| ## 20  | 0.1524167200  | 0.1152164000  | 0.008607366  | 0.1971679600  | 3.191143e-01  |
| ## 21  | 0.2278121500  | 0.2837815400  | 0.033291668  | 0.4129916400  | 2.635347e-01  |
| ## 22  | 0.3092624700  | 0.3266678900  | 0.011687289  | 0.5065634100  | 3.555433e-01  |
| ## 23  | 0.2828589000  | 0.1984172800  | 0.061793202  | 0.2810235800  | 3.833196e-01  |
| ## 24  | 0.5181384000  | 0.2295515300  | 0.083068182  | 0.3584837700  | 2.093110e-01  |
| ## 25  | 0.3065811800  | 0.2206258000  | 0.156851670  | 0.3789367100  | 1.780614e-01  |

|       |               |               |              |               |               |
|-------|---------------|---------------|--------------|---------------|---------------|
| ## 26 | 0.0022817043  | 0.1471672000  | 0.223553800  | 0.1986822600  | 4.110308e-01  |
| ## 27 | -0.0002587135 | 0.2908773900  | 0.123990190  | 0.3156028300  | 3.639400e-01  |
| ## 28 | 0.6822312100  | -0.2584177100 | 0.128835660  | 0.3238014400  | -3.874802e-01 |
| ## 29 | 0.5038955300  | -0.1425582100 | 0.185001130  | 0.0579905770  | 3.276492e-02  |
| ## 30 | 0.4260899000  | 0.1949004800  | 0.035550725  | 0.3913671600  | 6.385217e-02  |
| ## 31 | -0.2854838800 | -0.6744398700 | 0.310329580  | -0.0262931850 | -3.183613e-01 |
| ## 32 | -0.3667721200 | -0.5762530700 | 0.212499820  | 0.0633297960  | -3.833503e-01 |
| ## 33 | -0.6584603900 | -0.0551409370 | -0.027378330 | 0.4149922500  | -3.639714e-01 |
| ## 34 | 0.4759535300  | 0.0524891210  | -0.039626307 | 0.2910873500  | 2.054737e-02  |
| ## 35 | 0.4248624600  | 0.3125402000  | 0.231659590  | 0.4632686300  | 4.471743e-01  |
| ## 36 | 0.3661360500  | 0.2505962000  | 0.219041180  | 0.2606386300  | 3.261340e-01  |
| ## 37 | 0.2529934400  | 0.1595061100  | 0.199091360  | 0.1937785500  | 2.835193e-01  |
| ## 38 | 0.3976918200  | 0.0482052160  | 0.323106700  | 0.0843009390  | 7.113517e-01  |
| ## 39 | 0.0743598690  | 0.0998939150  | 0.009770678  | 0.1895816700  | 4.626051e-03  |
| ## 40 | -0.1612333200 | -0.0665151580 | 0.253405870  | 0.0920699390  | 1.053763e-01  |
| ## 41 | -0.1391565000 | 0.0005898095  | 0.165153750  | 0.1678889400  | 5.222139e-02  |
| ## 42 | 0.0529736230  | 0.2546377100  | 0.141653950  | 0.4360569200  | 2.741993e-01  |
| ## 43 | 0.0564880910  | 0.3113908200  | 0.138808760  | 0.4227345200  | 2.818629e-01  |
| ## 44 | 0.0163562800  | 0.1824034800  | 0.240353720  | 0.1978723000  | 1.227688e-01  |
| ## 45 | 0.2186965500  | 0.1021376300  | 0.226660280  | 0.2205357700  | 2.427641e-01  |
| ## 46 | 0.2146627900  | 0.1831856700  | 0.052778539  | 0.3651690400  | 1.337303e-01  |
| ## 47 | 0.0561106550  | 0.1691351500  | 0.056598066  | 0.1608926000  | -3.675160e-04 |
| ## 48 | 0.0529009920  | 0.0457514900  | 0.271036890  | 0.0291967540  | 2.283432e-01  |
| ## 49 | 0.3008050900  | 0.1233790500  | 0.280907570  | 0.2463889300  | 3.440855e-01  |
| ## 50 | 0.2022138700  | 0.1040435700  | 0.348141240  | 0.1017788300  | 2.075847e-01  |
| ## 51 | 0.1851276200  | -0.0733806690 | 0.247161050  | -0.1156977700 | 2.035569e-02  |
| ## 52 | -0.2211062200 | -0.5550873000 | 0.607752460  | -0.4046372200 | 4.462295e-01  |
| ## 53 | 0.2310013500  | 0.1365581900  | 0.091509236  | 0.0765657050  | 3.171148e-01  |
| ## 54 | 0.3974537400  | 0.2654528000  | 0.035163678  | 0.2672824500  | 7.585868e-02  |
| ## 55 | 0.1573218800  | 0.0758803570  | -0.008638627 | 0.1779729000  | 1.867622e-01  |
| ## 56 | 0.0992800710  | 0.0107900510  | 0.054128643  | 0.1839411500  | 2.245817e-01  |
| ## 57 | 0.2869919800  | 0.0798121890  | -0.083658334 | 0.1969434600  | 1.888999e-01  |
| ## 58 | 0.4874790400  | 0.0694056410  | 0.031322040  | 0.0961239250  | 3.787362e-02  |
| ## 59 | 0.3949923800  | -0.0075596214 | 0.151249670  | -0.0680018610 | 1.537244e-01  |
| ## 60 | 0.2458171000  | 0.1070640600  | 0.021476080  | 0.0560115550  | 1.146568e-01  |
| ## 61 | 0.3657627100  | 0.1170982800  | 0.127597650  | 0.1829406400  | 8.682785e-02  |
| ## 62 | 0.4537545200  | -0.0315163630 | 0.238767600  | -0.1167253800 | 4.924110e-01  |
| ## 63 | 0.4421967700  | 0.1517293200  | -0.060068251 | 0.0983644420  | 4.418835e-01  |
| ## 64 | 0.3505580000  | 0.0587465750  | 0.029052303  | 0.1987890100  | -1.415402e-01 |
| ## 65 | -0.6586325300 | 0.0790254830  | 0.382057690  | 0.1112307600  | 1.448664e-01  |
| ## 66 | -0.1162864300 | -0.0777769140 | 0.262785850  | 0.0519766070  | -1.368632e-01 |
| ## 67 | 0.3913258200  | -0.4162108400 | 0.373651310  | 0.0675674010  | -2.531985e-01 |
| ## 68 | 0.3670387100  | -0.3757149700 | 0.344360400  | 0.0869973130  | -2.293972e-01 |
| ## 69 | 0.0070230248  | -0.1520982500 | 0.220868530  | 0.1097450900  | -8.491305e-02 |
| ## 70 | -0.0703090860 | -0.0838455520 | 0.153747470  | 0.2105552900  | -4.837244e-01 |
| ## 71 | 0.3830565900  | -0.1468421800 | 0.290344830  | 0.2522087300  | 1.174281e-01  |
| ## 72 | 0.4869832500  | -0.1895253200 | 0.274012490  | 0.2818701300  | 9.382417e-02  |
| ## 73 | -0.0328955940 | -0.3419819700 | 0.111353070  | 0.2694576400  | -3.983607e-01 |
| ## 74 | -0.1297256300 | 0.0538645230  | 0.306499500  | 0.3731840000  | 1.423427e-01  |
| ## 75 | -0.1254136400 | 0.0943161900  | 0.222415150  | 0.5634328200  | 3.703642e-02  |

|        |              |               |             |               |               |
|--------|--------------|---------------|-------------|---------------|---------------|
| ## 76  | 0.2188107000 | 0.2487930900  | 0.243037240 | 0.3483660200  | 3.610882e-01  |
| ## 77  | 0.3868327100 | 0.2205841800  | 0.269192830 | 0.2599141200  | 4.845238e-01  |
| ## 78  | 0.2058698000 | 0.1249101100  | 0.198678640 | 0.2466205700  | 4.954713e-01  |
| ## 79  | 0.5563338200 | -0.4731002900 | 0.545427820 | -0.1994344400 | 4.483689e-02  |
| ## 80  | 0.2488857200 | -0.4148182400 | 0.420640130 | -0.0878431470 | -4.195984e-02 |
| ## 81  | 0.1906035900 | -0.2172204600 | 0.252575400 | 0.0120045620  | -4.047139e-02 |
| ## 82  | 0.3566691400 | -0.1689628600 | 0.190128650 | 0.2189255600  | -4.520572e-02 |
| ## 83  | 0.2968496200 | -0.1987170700 | 0.244109660 | 0.1746139600  | -4.592401e-02 |
| ## 84  | 0.2421255500 | -0.2178342700 | 0.317330220 | 0.0325531140  | -1.171053e-01 |
| ## 85  | 0.2749327400 | -0.2467128600 | 0.370798790 | -0.0406879890 | -1.170667e-01 |
| ## 86  | 0.3322787100 | -0.0617365390 | 0.195630450 | 0.1904204300  | -7.276678e-02 |
| ## 87  | 0.3253255000 | -0.4444300000 | 0.460984980 | -0.1724978000 | 6.638531e-02  |
| ## 88  | 0.5007453800 | -0.3543940200 | 0.411090190 | -0.2287227600 | 7.342000e-02  |
| ## 89  | 0.3984001300 | -0.0931421220 | 0.112898380 | 0.1636103300  | -2.070438e-01 |
| ## 90  | 0.2812001300 | -0.2151205300 | 0.241242890 | 0.1253445100  | -2.494860e-01 |
| ## 91  | 0.5720188500 | -0.3620498900 | 0.469981530 | -0.2649937600 | 1.378241e-01  |
| ## 92  | 0.5260163600 | -0.3151529800 | 0.463084700 | -0.1802464500 | 5.476415e-02  |
| ## 93  | 0.4736648200 | -0.4167348900 | 0.585144200 | -0.3179919400 | 8.969584e-02  |
| ## 94  | 0.5351001900 | -0.3673156900 | 0.504783050 | -0.1798353800 | 1.670559e-01  |
| ## 95  | 0.3908445900 | -0.3097716300 | 0.381844560 | 0.0139290620  | 7.494409e-02  |
| ## 96  | 0.3494545000 | -0.3359696800 | 0.458979900 | -0.1764290500 | 1.845109e-01  |
| ## 97  | 0.4432964100 | -0.3041718700 | 0.492887720 | -0.1997624800 | 3.821857e-01  |
| ## 98  | 0.2477394500 | -0.2052326100 | 0.308886290 | 0.0960303570  | 1.176233e-01  |
| ## 99  | 0.4703259400 | -0.2304579400 | 0.210355480 | 0.2051550200  | -1.829715e-01 |
| ## 100 | 0.4694292100 | -0.3224438200 | 0.288731870 | 0.0666882800  | -2.143440e-01 |
| ## 101 | 0.6656574200 | -0.3777820300 | 0.482162500 | -0.1813770400 | -8.649037e-02 |
| ## 102 | 0.6720670100 | -0.1115023500 | 0.354395860 | 0.0114693590  | 3.044425e-02  |
| ## 103 | 0.4544627400 | -0.1542850000 | 0.380967670 | -0.0391585110 | 7.570834e-02  |
| ## 104 | 0.3655195100 | -0.2526385200 | 0.328417200 | 0.0213574990  | -3.598580e-02 |
| ## 105 | 0.3173396600 | -0.1457341900 | 0.203059480 | 0.1297318400  | -5.391489e-02 |
| ## 106 | 0.2300621900 | -0.2024711700 | 0.261229190 | -0.0008214068 | -1.564247e-01 |
| ## 107 | 0.5559108100 | -0.1423516400 | 0.201324520 | 0.0559294970  | -1.357776e-01 |
| ## 108 | 0.4819614900 | -0.1129580100 | 0.108517520 | 0.1421014400  | -8.086759e-02 |
| ## 109 | 0.1302705400 | -0.3343284300 | 0.335691350 | -0.0768316390 | -6.512095e-02 |
| ## 110 | 0.2505627100 | -0.4176694000 | 0.489720330 | -0.1912520100 | 3.943515e-02  |
| ## 111 | 0.4357144900 | -0.3415171100 | 0.412775620 | 0.0156873280  | -3.915153e-02 |
| ## 112 | 0.5398617900 | -0.1429081800 | 0.248973410 | 0.1164895300  | -2.871379e-01 |
| ## 113 | 0.3422905500 | -0.1687906900 | 0.251492780 | -0.0702677800 | -1.866581e-01 |
| ## 114 | 0.0641665650 | -0.2036564900 | 0.205325250 | 0.1225330700  | -3.248156e-01 |
| ## 115 | 0.3841488400 | -0.1714104600 | 0.239572440 | 0.0863843810  | -5.407343e-02 |
| ## 116 | 0.3590599900 | -0.1056840400 | 0.245277400 | 0.1071516100  | 1.067350e-01  |
| ## 117 | 0.3026599800 | -0.2032438400 | 0.295776990 | 0.0431305740  | -1.039602e-02 |
| ## 118 | 0.4679907500 | -0.2662042600 | 0.383769890 | -0.1255073600 | -5.967613e-02 |
| ## 119 | 0.3313401300 | -0.1796047800 | 0.289762040 | 0.0169835430  | 7.725777e-02  |
| ## 120 | 0.1824461200 | -0.2431465800 | 0.253966060 | 0.1239968500  | -2.631659e-02 |
| ## 121 | 0.3037087900 | -0.2638026500 | 0.270142400 | 0.0716910370  | -1.106658e-01 |
| ## 122 | 0.2053917800 | -0.4112295900 | 0.440067100 | -0.1335056600 | -1.227253e-01 |
| ## 123 | 0.1461278000 | -0.3867049300 | 0.414949130 | -0.0316853620 | -1.069631e-01 |
| ## 124 | 0.2356328000 | -0.2755340100 | 0.283729690 | 0.0997434910  | -1.085370e-01 |
| ## 125 | 0.2052593300 | -0.2715315400 | 0.295870750 | 0.0612123400  | -1.938660e-02 |



|        |               |               |             |               |               |
|--------|---------------|---------------|-------------|---------------|---------------|
| ## 126 | 0.2086091400  | 0.0236012680  | 0.140746710 | 0.1848338200  | 1.239175e-01  |
| ## 127 | 0.1099072000  | -0.0448605880 | 0.380782770 | -0.0734677490 | 3.750586e-01  |
| ## 128 | -0.1096321300 | 0.1575484400  | 0.325733700 | 0.1916986600  | 3.108775e-01  |
| ## 129 | 0.0553945730  | 0.1757541600  | 0.179395780 | 0.3365724400  | 8.316416e-02  |
| ## 130 | 0.2101256100  | -0.1718633600 | 0.318009290 | 0.0586592140  | 8.628786e-02  |
| ## 131 | 0.0863448680  | -0.1445030500 | 0.380910590 | 0.1477138000  | 9.727176e-02  |
| ## 132 | 0.0469399530  | 0.0540801990  | 0.243092820 | 0.3279964700  | 1.295591e-01  |
| ## 133 | 0.0399221700  | 0.1587098700  | 0.067187968 | 0.3575303000  | 3.802252e-02  |
| ## 134 | 0.0297176480  | 0.1246709900  | 0.143668980 | 0.3749815800  | -1.368713e-01 |
| ## 135 | 0.0259841550  | -0.0300651800 | 0.330365560 | 0.1408363500  | 1.581234e-01  |
| ## 136 | 0.0626586990  | -0.0651988070 | 0.317810860 | 0.0867858940  | 1.432789e-01  |
| ## 137 | 0.2089809000  | -0.1290810100 | 0.298974050 | 0.1928637400  | -5.244406e-02 |
| ## 138 | 0.3139743000  | -0.0724689550 | 0.359850660 | 0.1100730200  | 1.153841e-01  |
| ## 139 | -0.1045730500 | -0.0672594960 | 0.357440210 | 0.1117466300  | 2.748724e-06  |
| ## 140 | 0.0212239680  | 0.0936806190  | 0.195404380 | 0.3542228600  | 1.336035e-01  |
| ## 141 | 0.2327415800  | 0.0741395770  | 0.095210601 | 0.2971461700  | -2.210338e-02 |
| ## 142 | 0.3056637100  | -0.2271290500 | 0.241373730 | 0.0937490090  | -1.062329e-01 |
| ## 143 | 0.3047007300  | -0.2117626100 | 0.249492470 | 0.0673608780  | 5.776977e-02  |
| ## 144 | 0.3478666900  | -0.1766810100 | 0.257795310 | 0.0292743150  | -9.673779e-03 |
| ## 145 | 0.0335390840  | -0.0749402620 | 0.351265030 | 0.0679461640  | 3.019848e-01  |
| ## 146 | -0.0476144350 | 0.0337427690  | 0.375438180 | 0.0317068300  | 2.976472e-01  |
| ## 147 | 0.2394968000  | -0.0260456120 | 0.307505120 | -0.0688660090 | 1.673102e-02  |
| ## 148 | 0.1100783800  | -0.3266817500 | 0.438638510 | 0.0142088220  | 1.708966e-02  |
| ## 149 | -0.1402280500 | -0.2797187500 | 0.411129960 | 0.0633483010  | -1.885373e-02 |
| ## 150 | -0.1006839800 | -0.2023128700 | 0.223589110 | 0.2301976100  | -3.276916e-01 |
| ## 151 | 0.1492540400  | -0.3537764800 | 0.217510810 | 0.3407031300  | -3.034877e-01 |
| ## 152 | 0.2813895800  | -0.2515726800 | 0.077399418 | 0.4290642100  | -2.367396e-01 |
| ## 153 | 0.0894729110  | -0.4230672500 | 0.192766250 | 0.1317180500  | -2.025021e-01 |
| ## 154 | -0.0462624230 | -0.5244950400 | 0.370278450 | -0.0766951170 | -9.574796e-03 |
| ## 155 | 0.1061512100  | -0.4390818500 | 0.276629280 | 0.2223729300  | -2.511860e-01 |
| ## 156 | 0.2319842800  | -0.4691513300 | 0.341238730 | 0.1080626700  | -2.201419e-01 |
| ## 157 | 0.2803095700  | -0.4387475800 | 0.303223230 | 0.2268788700  | -2.763602e-01 |
| ## 158 | 0.1300918500  | -0.3622455200 | 0.168779040 | 0.4182937200  | -3.922646e-01 |
| ## 159 | 0.3196033300  | -0.2734204600 | 0.139088530 | 0.3530320500  | -4.340731e-01 |
| ## 160 | 0.2549167200  | -0.3524285300 | 0.153209180 | 0.3033898300  | -2.582354e-01 |
| ## 161 | 0.3855623700  | -0.5447702300 | 0.410548870 | 0.0229793810  | -1.812256e-01 |
| ## 162 | 0.3596698100  | -0.4311151500 | 0.368595920 | 0.0243511930  | -3.710276e-02 |
| ## 163 | 0.4221609000  | -0.3996764200 | 0.251517430 | 0.1343301100  | -2.661065e-01 |
| ## 164 | 0.3828584600  | -0.3405523300 | 0.321697080 | -0.0316351790 | -4.014357e-02 |
| ## 165 | 0.0559334470  | -0.3426905900 | 0.305381230 | -0.0892402820 | 9.264987e-02  |
| ## 166 | 0.2387659700  | -0.5264826900 | 0.337538990 | 0.0240876360  | -1.158389e-01 |
| ## 167 | 0.4538089500  | -0.4376850800 | 0.280714930 | 0.0386676300  | -3.214088e-02 |
| ## 168 | 0.3387926400  | -0.5632345600 | 0.416061920 | -0.1341788900 | -1.649895e-01 |
| ## 169 | 0.2637530700  | -0.6137377100 | 0.537708450 | -0.2213849400 | -9.944143e-02 |
| ## 170 | 0.3409233700  | -0.7298194000 | 0.703289320 | -0.3828200200 | -2.975112e-03 |
| ## 171 | 0.3164385500  | -0.6216355500 | 0.540570290 | -0.2082438500 | -1.511701e-01 |
| ## 172 | 0.1669205500  | -0.3355671300 | 0.225311040 | 0.0961059090  | -2.670493e-01 |
| ## 173 | 0.0998082780  | -0.2337480600 | 0.186011960 | 0.1454575700  | -1.456706e-01 |
| ## 174 | 0.3308799200  | -0.4438054500 | 0.358853800 | -0.0048951848 | -1.463863e-01 |
| ## 175 | 0.3034511400  | -0.4950992600 | 0.282069720 | 0.1004099800  | -3.103794e-01 |

|        |              |               |              |              |               |
|--------|--------------|---------------|--------------|--------------|---------------|
| ## 176 | 0.2618057200 | -0.5069707400 | 0.288902290  | 0.2274540600 | -5.569210e-01 |
| ## 177 | 0.2414528100 | 0.8330094400  | -0.475813530 | 0.4800520000 | 4.296292e-01  |
| ##     | NA           | NA            | NA           | NA           | NA            |
| ## 1   | 0.927269840  | -0.572370010  | 0.691619200  | 0.468289820  | -0.131076970  |
| ## 2   | 0.182702720  | -0.167457400  | 0.253251030  | 0.132333860  | 0.293855350   |
| ## 3   | 0.181648850  | -0.169308380  | 0.132009060  | 0.008197317  | 0.193328560   |
| ## 4   | 0.257355350  | -0.136808750  | 0.087315569  | 0.149095580  | 0.196657250   |
| ## 5   | 0.235128480  | -0.340967050  | -0.085712880 | 0.163956800  | 0.120590380   |
| ## 6   | 0.203405930  | -0.296747890  | 0.069933579  | -0.012261880 | 0.017912065   |
| ## 7   | 0.020758661  | -0.111629620  | -0.110855520 | 0.212635260  | 0.218221050   |
| ## 8   | 0.206185830  | -0.304111500  | 0.005190615  | 0.100645570  | 0.264243460   |
| ## 9   | 0.295217900  | -0.265697000  | 0.239541230  | 0.186680400  | 0.284818290   |
| ## 10  | -0.087741216 | 0.058122607   | -0.008123615 | 0.203450970  | 0.009446005   |
| ## 11  | -0.102797900 | 0.086862526   | -0.047250111 | 0.161176660  | -0.073903955  |
| ## 12  | 0.283651810  | -0.076352380  | 0.165325300  | 0.011728162  | 0.080788387   |
| ## 13  | 0.507744240  | -0.057540119  | 0.374357530  | -0.080493024 | -0.045589931  |
| ## 14  | 0.366410020  | 0.023658944   | 0.348529450  | 0.010344127  | 0.058147651   |
| ## 15  | 0.101274400  | -0.168370620  | -0.016545988 | 0.087689576  | 0.127074090   |
| ## 16  | 0.170922040  | -0.160093130  | -0.055963724 | 0.025715226  | 0.343780710   |
| ## 17  | 0.283978980  | -0.197545740  | -0.034790591 | -0.033737723 | 0.334375650   |
| ## 18  | 0.329285130  | -0.166038680  | 0.179427780  | -0.096468609 | 0.166848360   |
| ## 19  | 0.338814890  | -0.107716340  | 0.296541030  | -0.033004482 | 0.025284475   |
| ## 20  | 0.273790260  | 0.085494592   | 0.140145380  | 0.203427740  | -0.099332595  |
| ## 21  | 0.614087640  | -0.040620128  | 0.482526590  | 0.086505004  | 0.176420540   |
| ## 22  | 0.727324830  | -0.153742450  | 0.557416940  | -0.181567240 | 0.040840352   |
| ## 23  | 0.571472540  | -0.173567370  | 0.378263520  | -0.072192700 | -0.071531292  |
| ## 24  | 0.668538900  | -0.319853190  | 0.341817560  | 0.245373530  | 0.251113310   |
| ## 25  | 0.828480440  | -0.389929520  | 0.492920140  | 0.243480660  | 0.212685220   |
| ## 26  | 0.864349650  | -0.302270350  | 0.598239790  | 0.086549498  | 0.261707630   |
| ## 27  | 0.692711640  | -0.119381130  | 0.530067780  | -0.083921209 | 0.313089550   |
| ## 28  | 0.015597544  | -0.343872090  | 0.168389230  | -0.057665195 | 0.082029223   |
| ## 29  | 0.616345660  | -0.453662080  | 0.504477610  | 0.133239450  | -0.164524290  |
| ## 30  | 0.209066670  | -0.184699740  | 0.229052540  | -0.052303203 | -0.057772651  |
| ## 31  | -0.721559520 | 0.144920360   | 0.243296720  | -0.546418500 | 0.705052540   |
| ## 32  | -0.537089570 | 0.024254977   | 0.164802040  | -0.457890810 | 0.602768620   |
| ## 33  | -0.017106841 | -0.232704810  | 0.202240470  | -0.391172150 | -0.168186660  |
| ## 34  | 0.289496290  | -0.360755370  | 0.082854611  | -0.046252009 | -0.224094370  |
| ## 35  | 0.403479790  | -0.068244209  | 0.139329680  | 0.031097462  | -0.270756050  |
| ## 36  | 0.413593130  | 0.055737247   | 0.209433090  | 0.041010091  | -0.328258840  |
| ## 37  | 0.368238450  | 0.271117060   | 0.145469210  | 0.222672200  | -0.192210140  |
| ## 38  | 0.447881350  | 0.093384967   | 0.273445040  | 0.115528360  | -0.215648750  |
| ## 39  | -0.039385401 | -0.159813850  | 0.023413983  | -0.524619470 | 0.034285135   |
| ## 40  | 0.008679629  | -0.408688700  | 0.277538170  | -0.600621470 | -0.245714740  |
| ## 41  | 0.158330590  | -0.351740980  | 0.273155850  | -0.496489660 | -0.358072890  |
| ## 42  | 0.315911410  | -0.015142741  | 0.372797190  | 0.099816160  | -0.456394590  |
| ## 43  | 0.294892910  | -0.199282120  | 0.338297070  | 0.218877680  | -0.331641620  |
| ## 44  | 0.435182540  | -0.207895180  | 0.189213830  | 0.219894260  | -0.092866021  |
| ## 45  | 0.472381720  | -0.024856590  | 0.204561060  | 0.383866730  | -0.230642770  |
| ## 46  | 0.439017510  | -0.133864300  | 0.243213660  | 0.260327830  | -0.320468410  |
| ## 47  | 0.486979420  | -0.173308980  | 0.318806430  | -0.008363215 | -0.246733980  |

|       |              |              |              |              |              |
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| ## 48 | 0.239345990  | 0.150724740  | 0.167689880  | 0.344745290  | -0.105517070 |
| ## 49 | 0.405632430  | -0.048799614 | 0.354142630  | 0.334864110  | 0.056008694  |
| ## 50 | 0.450288340  | -0.117092020 | 0.226707790  | 0.114640440  | -0.013073733 |
| ## 51 | 0.237611610  | -0.080704578 | 0.035481656  | 0.192312890  | -0.035597245 |
| ## 52 | -0.395866570 | 0.382718350  | 0.006754116  | -0.315831300 | -0.172207970 |
| ## 53 | -0.009635697 | -0.146068990 | 0.057660671  | -0.588616090 | 0.215675370  |
| ## 54 | 0.216651370  | -0.002249422 | 0.184064710  | -0.082840860 | 0.286653870  |
| ## 55 | 0.311045750  | -0.055168951 | 0.243423230  | -0.033946138 | 0.214805630  |
| ## 56 | 0.523746850  | -0.215601470 | 0.274903780  | -0.001496952 | 0.115314670  |
| ## 57 | 0.470700130  | -0.182329190 | 0.234931590  | 0.188947640  | 0.096316585  |
| ## 58 | 0.297126910  | -0.159521600 | 0.213413660  | 0.066573858  | 0.050215345  |
| ## 59 | 0.518776520  | -0.158513590 | 0.343771730  | -0.082531683 | -0.052710276 |
| ## 60 | 0.563018950  | -0.047993495 | 0.388197720  | -0.034699168 | 0.046112103  |
| ## 61 | 0.515808520  | -0.038158717 | 0.315723240  | 0.005390769  | 0.322907730  |
| ## 62 | 0.486161480  | -0.157005850 | 0.327994120  | 0.003755141  | 0.462981110  |
| ## 63 | 0.391056700  | -0.065372372 | 0.365259300  | -0.008708822 | 0.339670950  |
| ## 64 | 0.392626720  | 0.055523513  | 0.153047500  | 0.129233010  | -0.022218521 |
| ## 65 | 0.074670399  | 0.057650162  | 0.079868301  | -0.380609620 | -0.466071480 |
| ## 66 | 0.097154704  | -0.154308910 | 0.187217440  | -0.339239160 | 0.297840580  |
| ## 67 | -0.328162660 | 0.078443848  | 0.020310387  | -0.195463250 | 0.160429560  |
| ## 68 | -0.319535590 | 0.087308050  | 0.012521041  | -0.196153080 | 0.153158890  |
| ## 69 | -0.037726871 | 0.113815660  | 0.084992674  | -0.145309400 | 0.104052650  |
| ## 70 | -0.402501410 | 0.286508210  | -0.125452350 | -0.310171160 | -0.267694000 |
| ## 71 | -0.308820050 | 0.161942290  | -0.005266690 | -0.077588079 | 0.049985709  |
| ## 72 | -0.281113350 | 0.121192750  | 0.010217660  | 0.031360614  | 0.136818750  |
| ## 73 | -0.360260830 | 0.077538779  | -0.102780250 | -0.442995190 | -0.226886100 |
| ## 74 | 0.148655170  | -0.181111520 | 0.203858030  | -0.197237280 | -0.366075950 |
| ## 75 | 0.425610490  | -0.240329200 | 0.377141850  | -0.322785990 | -0.474418220 |
| ## 76 | 0.513547270  | -0.364553700 | 0.395126070  | -0.284780500 | -0.029408814 |
| ## 77 | 0.444816140  | -0.381353800 | 0.345868980  | -0.368750050 | -0.168341540 |
| ## 78 | 0.508678930  | -0.353283580 | 0.329763640  | 0.306386920  | -0.396890460 |
| ## 79 | 0.032874739  | 0.230055300  | -0.051348219 | 0.172813770  | 0.450552720  |
| ## 80 | -0.016419745 | 0.254320760  | -0.160777110 | 0.209088750  | 0.442382180  |
| ## 81 | -0.076637194 | 0.247252870  | -0.173617130 | 0.158756350  | 0.564137480  |
| ## 82 | -0.046939991 | 0.220720550  | -0.120050210 | 0.182411960  | 0.624270800  |
| ## 83 | -0.240489740 | 0.298704310  | -0.181942910 | 0.034787760  | 0.568315240  |
| ## 84 | -0.394868930 | 0.370754820  | -0.377612440 | 0.056406685  | 0.464588670  |
| ## 85 | -0.317576230 | 0.404843890  | -0.393978450 | 0.048422866  | 0.447199860  |
| ## 86 | -0.195886110 | 0.331582320  | -0.197634840 | -0.042433027 | 0.415218800  |
| ## 87 | -0.435469630 | 0.476943410  | -0.460657940 | 0.133593700  | 0.584331640  |
| ## 88 | -0.156713690 | 0.314620160  | -0.255530590 | 0.157654330  | 0.488532650  |
| ## 89 | -0.009500576 | 0.101824400  | -0.037689660 | -0.028094645 | 0.353201150  |
| ## 90 | -0.030503484 | 0.109876870  | 0.019959078  | -0.065515183 | 0.583150970  |
| ## 91 | -0.060526213 | 0.099600444  | -0.041364750 | 0.047242573  | 0.582391020  |
| ## 92 | -0.075039475 | 0.071901676  | 0.037105569  | 0.031377927  | 0.441032180  |
| ## 93 | -0.136523930 | 0.260234670  | -0.121943800 | 0.170437660  | 0.376828830  |
| ## 94 | -0.123353470 | 0.240305920  | -0.162418710 | 0.174788260  | 0.430630520  |
| ## 95 | -0.074408890 | 0.155215610  | -0.021906435 | -0.077183388 | 0.441962440  |
| ## 96 | -0.023308095 | 0.080220406  | 0.042523385  | -0.110392940 | 0.431361620  |
| ## 97 | -0.185923440 | 0.087350826  | 0.138986020  | -0.198160870 | 0.465579010  |

|        |              |              |              |              |             |
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| ## 98  | -0.375486100 | 0.248768180  | 0.010173145  | -0.183678590 | 0.492086120 |
| ## 99  | -0.155284240 | 0.205479090  | -0.089359670 | 0.073307638  | 0.471411680 |
| ## 100 | -0.071162669 | 0.154436980  | -0.066623036 | 0.060730560  | 0.378185180 |
| ## 101 | -0.183685090 | 0.341561910  | -0.267497390 | 0.127725140  | 0.423412360 |
| ## 102 | 0.025134370  | 0.189832480  | -0.084785615 | 0.126281460  | 0.393898340 |
| ## 103 | -0.002229288 | 0.095892084  | -0.095980182 | -0.086828060 | 0.446891430 |
| ## 104 | -0.437170050 | 0.371719280  | -0.199660760 | -0.150807450 | 0.621174940 |
| ## 105 | -0.270441050 | 0.152855680  | 0.043655345  | -0.209957890 | 0.553713330 |
| ## 106 | 0.018856560  | -0.066103229 | 0.261429850  | -0.239633710 | 0.473351870 |
| ## 107 | -0.015817969 | 0.180503040  | -0.156533280 | 0.120265580  | 0.363578660 |
| ## 108 | -0.050126740 | 0.284773190  | -0.254332330 | 0.330554550  | 0.292787390 |
| ## 109 | 0.022512387  | 0.063956784  | 0.101317940  | 0.065369180  | 0.476983620 |
| ## 110 | -0.104497030 | -0.010795664 | 0.263469260  | -0.201169400 | 0.598762020 |
| ## 111 | -0.400867750 | 0.403591990  | -0.363445620 | 0.146433750  | 0.642139670 |
| ## 112 | -0.106831470 | 0.096584418  | -0.034861735 | -0.146758970 | 0.319793510 |
| ## 113 | 0.037292094  | -0.186686100 | 0.180554540  | -0.134213830 | 0.330296080 |
| ## 114 | -0.207752150 | 0.012289794  | 0.031750662  | -0.177626070 | 0.464772200 |
| ## 115 | -0.130424520 | -0.032707612 | 0.083519256  | -0.219910690 | 0.530452250 |
| ## 116 | 0.049420740  | -0.042235459 | 0.106209960  | -0.093636967 | 0.481483350 |
| ## 117 | -0.095988555 | 0.173631740  | -0.064463464 | 0.033161110  | 0.409897840 |
| ## 118 | -0.217467840 | 0.294073750  | -0.271844220 | 0.079557388  | 0.402765900 |
| ## 119 | -0.111676570 | -0.081154084 | 0.149895720  | -0.279664220 | 0.480128840 |
| ## 120 | -0.211825200 | 0.072157975  | 0.183435640  | -0.327791890 | 0.535859910 |
| ## 121 | -0.253143450 | 0.164358760  | 0.097968225  | -0.391636990 | 0.468603310 |
| ## 122 | -0.181519040 | 0.208534950  | -0.268955760 | -0.149216720 | 0.557016410 |
| ## 123 | -0.328928750 | 0.312604450  | -0.419579360 | 0.237922730  | 0.577890530 |
| ## 124 | -0.627351330 | 0.488728660  | -0.340943960 | 0.081746311  | 0.464385050 |
| ## 125 | -0.418872980 | 0.324750790  | -0.159770900 | -0.022415821 | 0.546605820 |
| ## 126 | 0.249883860  | 0.093612159  | 0.008720489  | 0.051567031  | 0.385306600 |
| ## 127 | -0.071774907 | 0.025903840  | 0.141358140  | 0.016624159  | 0.393723850 |
| ## 128 | -0.158093220 | 0.277214450  | -0.112432230 | 0.130656960  | 0.394003690 |
| ## 129 | -0.120220410 | 0.263467760  | -0.131552130 | 0.039448964  | 0.205157000 |
| ## 130 | -0.306267240 | 0.329847490  | -0.169177830 | 0.019895143  | 0.123911780 |
| ## 131 | -0.087821954 | 0.024261861  | 0.317021440  | -0.095054240 | 0.538698120 |
| ## 132 | -0.146745670 | 0.243368980  | 0.046194292  | -0.039994435 | 0.570983380 |
| ## 133 | -0.249518920 | 0.389480390  | -0.261597940 | 0.046467260  | 0.559539480 |
| ## 134 | -0.066113836 | 0.035029040  | 0.126781050  | -0.066008424 | 0.593230250 |
| ## 135 | -0.310872080 | 0.196091520  | 0.093186083  | -0.189596960 | 0.452897720 |
| ## 136 | -0.351832290 | 0.345708540  | -0.110379600 | -0.023822280 | 0.397552130 |
| ## 137 | -0.327598370 | 0.328637600  | -0.122524650 | -0.019585805 | 0.475744940 |
| ## 138 | -0.213980720 | 0.292919400  | -0.082342945 | -0.020711661 | 0.571207170 |
| ## 139 | -0.239914520 | 0.272934040  | -0.148989980 | 0.039528904  | 0.272710180 |
| ## 140 | -0.346487550 | 0.276339170  | -0.198587650 | 0.197004840  | 0.133321560 |
| ## 141 | -0.473032150 | 0.412987200  | -0.340639400 | 0.106737960  | 0.194071590 |
| ## 142 | -0.318398830 | 0.180215810  | -0.061337221 | 0.034715102  | 0.180161350 |
| ## 143 | -0.291124500 | 0.138056430  | 0.253598820  | -0.299811770 | 0.560577450 |
| ## 144 | -0.252437040 | 0.235522210  | 0.048029436  | -0.109756050 | 0.552834370 |
| ## 145 | -0.278193210 | 0.302531690  | -0.103099950 | -0.089657768 | 0.606620990 |
| ## 146 | -0.223303900 | 0.187764710  | 0.027005809  | -0.197074200 | 0.472046960 |
| ## 147 | -0.176042460 | 0.057645524  | -0.006528238 | -0.012488547 | 0.109473580 |

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| ## 149 | -0.286798450 | 0.332740550   | -0.064766087 | -0.118661960 | 0.442470350   |
| ## 150 | -0.141108240 | 0.166668790   | 0.115224000  | -0.203162280 | 0.415471450   |
| ## 151 | -0.356022240 | 0.297884720   | -0.054468727 | -0.138900660 | 0.341485250   |
| ## 152 | -0.409803960 | 0.351953750   | -0.168299600 | -0.075001023 | 0.416792540   |
| ## 153 | -0.357357760 | 0.172276310   | -0.137061220 | 0.216483210  | 0.404886180   |
| ## 154 | -0.347373490 | 0.247351800   | -0.177496760 | 0.300390950  | 0.364533470   |
| ## 155 | -0.456376420 | 0.395066390   | -0.115092320 | 0.087323575  | 0.468819580   |
| ## 156 | -0.536713140 | 0.273989120   | 0.241798910  | -0.383973070 | 0.477290320   |
| ## 157 | -0.269184570 | 0.222799430   | -0.099373747 | 0.030791109  | 0.507256860   |
| ## 158 | -0.271181320 | 0.280731010   | -0.119219190 | -0.017349056 | 0.535801680   |
| ## 159 | -0.231440980 | 0.159511040   | 0.051040538  | 0.229148010  | 0.310848130   |
| ## 160 | -0.355606290 | 0.350195970   | -0.160239700 | 0.141968620  | 0.464656830   |
| ## 161 | -0.492359710 | 0.451958780   | -0.263915860 | 0.104402420  | 0.429690690   |
| ## 162 | -0.361030420 | 0.230355840   | 0.079096362  | -0.245255500 | 0.208231770   |
| ## 163 | -0.183678660 | 0.052749503   | 0.256451890  | -0.238739800 | 0.054240479   |
| ## 164 | -0.159126790 | 0.107094900   | 0.116091600  | 0.048393560  | 0.244736570   |
| ## 165 | -0.169396270 | 0.215784240   | 0.070804209  | 0.133675510  | 0.417105630   |
| ## 166 | -0.357899180 | 0.310242170   | -0.005635818 | -0.011379657 | 0.265201150   |
| ## 167 | -0.423739570 | 0.372883680   | -0.058592254 | -0.204793970 | 0.231147740   |
| ## 168 | -0.336213620 | 0.278102570   | -0.016831905 | 0.013434384  | 0.119418960   |
| ## 169 | -0.193120820 | 0.180072320   | 0.176066630  | -0.035467163 | 0.438048590   |
| ## 170 | -0.169861620 | -0.013832336  | 0.411644000  | -0.331325590 | 0.410507000   |
| ## 171 | -0.283502840 | 0.021044465   | 0.423905820  | -0.381674150 | 0.345443350   |
| ## 172 | -0.382060430 | 0.272496060   | 0.024041809  | -0.051173963 | 0.340895620   |
| ## 173 | -0.403470850 | 0.234457240   | 0.096120618  | -0.233426100 | 0.313532560   |
| ## 174 | -0.552306660 | 0.547110460   | -0.251738170 | 0.151424260  | 0.509460370   |
| ## 175 | -0.297012740 | 0.334577630   | -0.082679471 | 0.252617030  | 0.518457490   |
| ## 176 | -0.087415982 | 0.119317740   | 0.269853840  | 0.040388071  | 0.490878060   |
| ## 177 | 0.088815749  | -0.173715820  | -0.146452200 | -0.082714482 | -0.388145150  |
| ##     | NA           | NA            | NA           | NA           | NA            |
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| ## 2   | -0.018075169 | -0.3433367800 | -0.979289150 | -0.97605707  | -0.97824725 - |
|        | 0.97871147   |               |              |              |               |
| ## 3   | 0.073717859  | -0.3148577600 | -0.983703130 | -0.98801962  | -0.98832678 - |
|        | 0.98649613   |               |              |              |               |
| ## 4   | 0.140451880  | -0.3058976600 | -0.986541760 | -0.98642135  | -0.98643053 - |
|        | 0.98649613   |               |              |              |               |
| ## 5   | 0.107489230  | -0.2825893300 | -0.992827150 | -0.99127536  | -0.99117030 - |
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## 6 -0.3934519000 0.5634830200 -0.4815456900 -0.994294990 -0.99524897
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|       |               |               |               |              |             |
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| ## 40 | -0.0020708403 | -0.1305923900 | 0.0089512310  | -0.968162890 | -0.94767986 |
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| ## 121 | 0.0070245367  | -0.0881377610 | 0.1387999400  | -0.243371870 | -0.29851218 |
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| ## 123 | -0.0817949940 | 0.3383315400  | -0.2896677700 | -0.193292510 | -0.26403135 |
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| ## 130 | -0.0212167770 | 0.2401811000  | -0.0586543930 | 0.028422451  | 0.18395782  |
| ## 131 | 0.1200142600  | -0.0523288450 | 0.0888055580  | 0.080265708  | 0.19543705  |
| ## 132 | 0.1195109400  | -0.0335084080 | -0.0502844890 | -0.025681958 | 0.04566343  |
| ## 133 | 0.0695137230  | 0.0438808530  | -0.1419560000 | -0.070359730 | -0.09866979 |
| ## 134 | -0.0100746120 | 0.2863528100  | -0.4977955700 | -0.077787454 | -0.13898659 |
| ## 135 | -0.1894231400 | 0.5420097400  | -0.3648770800 | 0.133358580  | 0.24274736  |
| ## 136 | 0.1993501000  | -0.1710985800 | 0.0987230850  | 0.122205780  | 0.15024177  |
| ## 137 | -0.1465551900 | 0.1304313500  | 0.0285706910  | 0.147554430  | 0.12467351  |
| ## 138 | -0.0660119580 | 0.1537331500  | -0.0493292460 | 0.100149980  | 0.10625082  |
| ## 139 | 0.3705447400  | -0.2214157300 | 0.0440720220  | 0.120906110  | 0.01273850  |
| ## 140 | -0.0375554310 | 0.1980244600  | -0.1842745000 | 0.073107976  | -0.04265889 |
| ## 141 | -0.0714817640 | 0.2220311400  | -0.0781723220 | 0.089121500  | 0.07281668  |
| ## 142 | 0.0583814670  | 0.1423225700  | 0.0099049523  | 0.172161270  | 0.13627899  |
| ## 143 | 0.1814680500  | -0.0165579260 | -0.0728242360 | 0.060417914  | -0.02614713 |
| ## 144 | 0.1559889900  | -0.0472556660 | -0.0285426580 | 0.059491854  | -0.06165703 |
| ## 145 | -0.0051142644 | 0.0800440820  | -0.0295470060 | -0.018090242 | -0.11528655 |
| ## 146 | 0.0396655520  | 0.0915984750  | 0.0439197290  | 0.071970206  | 0.05147785  |
| ## 147 | 0.0934692840  | 0.2686026400  | -0.0766338630 | 0.040168399  | 0.15527003  |
| ## 148 | 0.0824854450  | 0.0807386950  | -0.0677115370 | -0.059902458 | -0.05868036 |
| ## 149 | 0.0345638620  | 0.1811355200  | -0.2832371800 | -0.017039858 | -0.17464507 |
| ## 150 | 0.0564644910  | 0.3012755000  | -0.3042996700 | -0.015987782 | -0.07911266 |
| ## 151 | 0.0734071330  | 0.3101355600  | -0.2781555900 | -0.144521220 | -0.33477144 |
| ## 152 | 0.0856744780  | 0.1049482500  | -0.0077893914 | -0.180750290 | -0.38786699 |
| ## 153 | 0.2713783700  | -0.0644815440 | -0.0108982860 | -0.142457910 | -0.43158019 |
| ## 154 | 0.4201914600  | -0.2838411300 | 0.1027917500  | -0.114722580 | -0.31243126 |
| ## 155 | 0.3151011900  | -0.1913532100 | 0.0050357642  | -0.113543410 | -0.29191192 |
| ## 156 | 0.1326931400  | -0.1001700800 | 0.0498378620  | -0.160903100 | -0.40943463 |
| ## 157 | 0.1343724500  | -0.0430911980 | 0.0833157880  | -0.155446530 | -0.39053748 |

|        |               |               |               |              |             |
|--------|---------------|---------------|---------------|--------------|-------------|
| ## 158 | 0.1088719700  | 0.0171455510  | 0.0007366699  | -0.136595560 | -0.38608182 |
| ## 159 | 0.2222409400  | -0.1517912500 | 0.2473766800  | -0.088105584 | -0.22682976 |
| ## 160 | 0.3316101300  | -0.0916016650 | 0.0383749640  | -0.153568090 | -0.32198846 |
| ## 161 | 0.1164457300  | 0.0736356600  | 0.0124476280  | -0.127183700 | -0.40264720 |
| ## 162 | 0.1245499200  | -0.1155334700 | 0.1850548600  | -0.132582130 | -0.42796573 |
| ## 163 | 0.2748793000  | -0.2398919400 | 0.1399805200  | -0.210910600 | -0.44135997 |
| ## 164 | 0.3213510000  | -0.1974104300 | 0.0087408448  | -0.162489970 | -0.38761003 |
| ## 165 | 0.3233789800  | -0.1983491000 | 0.1444285400  | -0.193785910 | -0.31894997 |
| ## 166 | 0.4275846300  | -0.1109613800 | 0.0505178260  | -0.264245800 | -0.34058163 |
| ## 167 | 0.4732497900  | -0.0403929140 | -0.1369637800 | -0.235804510 | -0.37432701 |
| ## 168 | 0.3260327900  | -0.1467862100 | 0.1452215500  | -0.119610400 | -0.33466647 |
| ## 169 | 0.2369866800  | -0.2133677200 | 0.1419728700  | -0.143934940 | -0.28395851 |
| ## 170 | 0.2505250200  | -0.2156539400 | 0.1197375700  | -0.115904040 | -0.31906248 |
| ## 171 | 0.3618292400  | -0.0682658760 | -0.1223225400 | -0.113249470 | -0.36831475 |
| ## 172 | 0.3175043700  | -0.0547894920 | -0.1757717400 | -0.170195260 | -0.42279772 |
| ## 173 | 0.4281176900  | -0.2537839500 | 0.0363053910  | -0.199625810 | -0.37187814 |
| ## 174 | 0.2546173900  | -0.1437065500 | 0.1707895200  | -0.150632800 | -0.26536176 |
| ## 175 | 0.1705426000  | 0.0392080460  | 0.0332499200  | -0.185247830 | -0.29472130 |
| ## 176 | 0.3301168000  | -0.4827936100 | 0.3704445800  | -0.192335010 | -0.27083037 |
| ## 177 | -0.0749834020 | 0.1817093700  | 0.0778883840  | -0.924606850 | -0.92697005 |
| ##     | NA            | NA            | NA            | NA           | NA          |
| ## 1   | -0.95799295   | -0.94630524   | -0.9925557    | -0.959433880 | -0.9984928  |
| ## 2   | -0.97824725   | -0.97871147   | -0.9953329    | -0.979289150 | -0.9994880  |
| ## 3   | -0.98832678   | -0.98649613   | -0.9953329    | -0.983703130 | -0.9996821  |
| ## 4   | -0.98643053   | -0.98649613   | -0.9970448    | -0.986541760 | -0.9997374  |
| ## 5   | -0.99117030   | -0.99096187   | -0.9970448    | -0.992827150 | -0.9998807  |
| ## 6   | -0.99500944   | -0.99574572   | -0.9941746    | -0.994294990 | -0.9999199  |
| ## 7   | -0.98675558   | -0.97819083   | -0.9931460    | -0.987465700 | -0.9997342  |
| ## 8   | -0.97650361   | -0.97819083   | -0.9875975    | -0.977457660 | -0.9994359  |
| ## 9   | -0.97897119   | -0.97844904   | -0.9941501    | -0.983630870 | -0.9996110  |
| ## 10  | -0.98837827   | -0.98774589   | -0.9941501    | -0.986771970 | -0.9997439  |
| ## 11  | -0.98753995   | -0.98774589   | -0.9925091    | -0.988040330 | -0.9997656  |
| ## 12  | -0.99579871   | -0.99541508   | -0.9925091    | -0.994775630 | -0.9999301  |
| ## 13  | -0.99609128   | -0.99541508   | -0.9915173    | -0.995325010 | -0.9999395  |
| ## 14  | -0.99807005   | -0.99736644   | -0.9994408    | -0.996700130 | -0.9999638  |
| ## 15  | -0.83587056   | -0.90351446   | -0.9756005    | -0.904587780 | -0.9917899  |
| ## 16  | -0.98798809   | -0.98472462   | -0.9900188    | -0.984463810 | -0.9996974  |
| ## 17  | -0.99117062   | -0.99169252   | -0.9904929    | -0.989043070 | -0.9998118  |
| ## 18  | -0.99358148   | -0.99093326   | -0.9950441    | -0.995071550 | -0.9999213  |
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| ## 20  | -0.99841011   | -0.99704606   | -0.9960469    | -0.997972370 | -0.9999808  |
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| ## 22  | -0.99753235   | -0.99406371   | -0.9950034    | -0.997891000 | -0.9999761  |
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| ## 26  | -0.99487387   | -0.99299264   | -0.9938545    | -0.995749400 | -0.9999378  |
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| ## 28  | -0.20730115   | -0.46830669   | -0.8741391    | -0.554369200 | -0.8320549  |
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|       |             |             |            |              |            |             |
|-------|-------------|-------------|------------|--------------|------------|-------------|
| ## 30 | -0.97628471 | -0.97032910 | -0.9833129 | -0.976994980 | -0.9993789 | -0.98868228 |
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| ## 36 | -0.99534349 | -0.99294196 | -0.9947166 | -0.995238360 | -0.9999346 | -0.99429674 |
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| ## 40 | -0.94899636 | -0.96328599 | -0.9911172 | -0.968162890 | -0.9988021 | -0.95465736 |
| ## 41 | -0.99602927 | -0.99315619 | -0.9941288 | -0.992951060 | -0.9999008 | -0.99551693 |
| ## 42 | -0.99477500 | -0.99211327 | -0.9974381 | -0.993437900 | -0.9999015 | -0.99541072 |
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| ## 44 | -0.99400937 | -0.98932754 | -0.9965481 | -0.987547310 | -0.9997920 | -0.99411719 |
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| ## 46 | -0.99779467 | -0.99355314 | -0.9916659 | -0.993024120 | -0.9999082 | -0.99715909 |
| ## 47 | -0.99843348 | -0.99355314 | -0.9978503 | -0.994146360 | -0.9999274 | -0.99732715 |
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| ## 57 | -0.99603295 | -0.99077011 | -0.9978719 | -0.997429450 | -0.9999651 | -0.99449106 |
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| ## 65 | -0.52045757 | -0.48141557 | -0.9422942 | -0.721626990 | -0.9229399 | -0.74231718 |
| ## 66 | -0.92012779 | -0.94678892 | -0.9872940 | -0.942902620 | -0.9971456 | -0.91019487 |
| ## 67 | 0.07546684  | -0.36572046 | -0.9872940 | -0.518427790 | -0.7607672 | 0.12828636  |
| ## 68 | -0.15732077 | -0.36572046 | -0.8334220 | -0.362108240 | -0.7314856 | -0.13567442 |
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| ## 70 | -0.77151305 | -0.66795693 | -0.7739760 | -0.634960060 | -0.9295791 | -0.84057402 |
| ## 71 | 0.14688483  | 0.15370675  | -0.7739760 | -0.062945893 | -0.4187506 | -0.08467829 |
| ## 72 | -0.18837723 | 0.15370675  | 0.1281318  | 0.294838960  | -0.1801745 | -0.33463273 |
| ## 73 | -0.04651580 | -0.37138266 | -0.9311519 | -0.331015760 | -0.6981911 | 0.12301778  |
| ## 74 | -0.81281361 | -0.77393981 | -0.9337380 | -0.849351620 | -0.9809547 | -0.90267392 |
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| ## 80  | -0.26605200 | -0.23274851 | -0.7392301 | -0.126502690 | -0.5991428 | -0.25306176 |
| ## 81  | -0.32122499 | -0.32191904 | -0.7392301 | -0.160100010 | -0.6315176 | -0.38995894 |
| ## 82  | -0.26850021 | -0.21590597 | -0.6532344 | -0.073513080 | -0.5555910 | -0.38127494 |
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| ## 87  | -0.37802238 | -0.27682438 | -0.6355853 | -0.169629600 | -0.6491203 | -0.43840012 |
| ## 88  | -0.31288324 | -0.24253563 | -0.7318147 | -0.107472340 | -0.5904463 | -0.38935066 |
| ## 89  | -0.34964022 | -0.24253563 | -0.7636373 | -0.129802930 | -0.6100275 | -0.46726061 |
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| ## 94  | -0.28693811 | -0.24192138 | -0.6724106 | -0.062178356 | -0.5524586 | -0.28440942 |
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| ## 97  | -0.29370596 | -0.24174021 | -0.5822961 | -0.113136280 | -0.5942681 | -0.36187624 |
| ## 98  | -0.31070564 | -0.24174021 | -0.7415082 | -0.206715790 | -0.6650678 | -0.38718964 |
| ## 99  | -0.25324615 | -0.20148023 | -0.5906801 | -0.046277939 | -0.5357709 | -0.28097580 |
| ## 100 | -0.25083821 | -0.20148023 | -0.6000234 | -0.006788252 | -0.4995660 | -0.32123201 |
| ## 101 | -0.31213000 | -0.26385898 | -0.6000234 | -0.044258164 | -0.5411881 | -0.39214696 |
| ## 102 | -0.27968264 | 0.13897527  | -0.7157385 | -0.041734145 | -0.5241700 | -0.37722858 |
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| ## 104 | -0.20222280 | -0.04061396 | -0.6824306 | -0.070705961 | -0.5382937 | -0.31588417 |
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| ## 106 | -0.29003163 | -0.27193724 | -0.6892662 | -0.086942954 | -0.5717225 | -0.37276888 |
| ## 107 | -0.22839559 | -0.19668882 | -0.5682228 | -0.064423256 | -0.5414150 | -0.34037110 |
| ## 108 | -0.27651813 | -0.16560060 | -0.5682228 | -0.046465246 | -0.5325493 | -0.41305240 |
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| ## 117 | -0.30375279 | -0.24135290 | -0.7417828 | -0.067429345 | -0.5609211 | -0.41629830 |
| ## 118 | -0.33750557 | -0.32411282 | -0.7417828 | -0.120646470 | -0.6080845 | -0.40900608 |
| ## 119 | -0.38291508 | -0.32411282 | -0.6925189 | -0.237415250 | -0.6937517 | -0.44505594 |
| ## 120 | -0.36309957 | -0.33813247 | -0.6687929 | -0.250393640 | -0.7005265 | -0.37588244 |
| ## 121 | -0.35443167 | -0.22557446 | -0.6687929 | -0.243371870 | -0.6945828 | -0.35438276 |
| ## 122 | -0.39845031 | -0.22557446 | -0.9453941 | -0.246311570 | -0.6987898 | -0.51385409 |
| ## 123 | -0.35608264 | -0.17206864 | -0.9453941 | -0.193292510 | -0.6556402 | -0.47684229 |
| ## 124 | -0.32557912 | -0.17206864 | -0.7436093 | -0.164874500 | -0.6340885 | -0.38800369 |
| ## 125 | -0.37520242 | -0.26855770 | -0.6858984 | -0.206492270 | -0.6715690 | -0.50602103 |
| ## 126 | -0.28297761 | -0.08137791 | -0.8386508 | -0.170440850 | -0.6256801 | -0.38149936 |
| ## 127 | -0.22520739 | -0.11500651 | -0.7607802 | -0.048825749 | -0.5201784 | -0.40741363 |
| ## 128 | -0.16053937 | -0.08326230 | -0.7607802 | -0.088540677 | -0.5356710 | -0.35702374 |
| ## 129 | -0.13351500 | 0.01380348  | -0.6582115 | -0.098690394 | -0.5289727 | -0.34735850 |

|        |             |              |               |              |              |             |
|--------|-------------|--------------|---------------|--------------|--------------|-------------|
| ## 130 | 0.04183441  | 0.09272293   | -0.5902169    | 0.028422451  | -0.3807923   | -0.23521446 |
| ## 131 | 0.04646651  | 0.09272293   | -0.4374004    | 0.080265708  | -0.3317116   | -0.28282889 |
| ## 132 | -0.13681732 | 0.11707969   | -0.4228904    | -0.025681958 | -0.4634847   | -0.52606061 |
| ## 133 | -0.18366501 | 0.11707969   | -0.4552679    | -0.070359730 | -0.5331801   | -0.23458871 |
| ## 134 | -0.19484350 | -0.08875289  | -0.6172783    | -0.077787454 | -0.5475629   | -0.19767115 |
| ## 135 | 0.09033096  | 0.31830179   | -0.6665270    | 0.133358580  | -0.2685841   | -0.13747175 |
| ## 136 | 0.00711470  | 0.31830179   | -0.6665270    | 0.122205780  | -0.3058638   | -0.20151491 |
| ## 137 | -0.04875205 | 0.35030630   | -0.6187571    | 0.147554430  | -0.2888230   | -0.26860703 |
| ## 138 | -0.08941795 | 0.35030630   | -0.6187571    | 0.100149980  | -0.3383805   | -0.34261161 |
| ## 139 | -0.09839103 | 0.04523200   | -0.4708229    | 0.120906110  | -0.3430612   | -0.24183760 |
| ## 140 | -0.12214145 | 0.04059968   | -0.5763110    | 0.073107976  | -0.4001708   | -0.23795653 |
| ## 141 | -0.03792351 | 0.19634252   | -0.6715788    | 0.089121500  | -0.3572993   | -0.16880815 |
| ## 142 | 0.04403008  | 0.19634252   | -0.6715788    | 0.172161270  | -0.2617723   | -0.01379041 |
| ## 143 | -0.07142112 | -0.16471617  | -0.6778196    | 0.060417914  | -0.4076453   | -0.03909150 |
| ## 144 | -0.14301226 | -0.02226829  | -0.8273492    | 0.059491854  | -0.4166914   | -0.21732432 |
| ## 145 | -0.26029716 | -0.02226829  | -0.8273492    | -0.018090242 | -0.4948863   | -0.44554993 |
| ## 146 | -0.06823661 | -0.03044878  | -0.5376172    | 0.071970206  | -0.3783008   | -0.24193132 |
| ## 147 | 0.08253412  | -0.03044878  | -0.6880067    | 0.040168399  | -0.3787271   | -0.05513545 |
| ## 148 | -0.16454407 | -0.10074212  | -0.7218762    | -0.059902458 | -0.5160520   | -0.29475051 |
| ## 149 | -0.25757843 | -0.13983673  | -0.7218762    | -0.017039858 | -0.5063309   | -0.38071862 |
| ## 150 | -0.16948944 | -0.12993093  | -0.5615621    | -0.015987782 | -0.4852382   | -0.26215046 |
| ## 151 | -0.39005033 | -0.30861601  | -0.7204184    | -0.144521220 | -0.6336381   | -0.48481176 |
| ## 152 | -0.44338655 | -0.39007875  | -0.7204184    | -0.180750290 | -0.6673806   | -0.52618944 |
| ## 153 | -0.48256832 | -0.44804840  | -0.7066149    | -0.142457910 | -0.6467035   | -0.55048733 |
| ## 154 | -0.37859081 | -0.27314860  | -0.7427597    | -0.114722580 | -0.6081861   | -0.42607659 |
| ## 155 | -0.36092488 | -0.27314860  | -0.7427597    | -0.113543410 | -0.6038271   | -0.40367948 |
| ## 156 | -0.48031258 | -0.35548786  | -0.8859642    | -0.160903100 | -0.6567155   | -0.55078135 |
| ## 157 | -0.44471209 | -0.35657241  | -0.8859642    | -0.155446530 | -0.6500931   | -0.45098118 |
| ## 158 | -0.42944529 | -0.35794686  | -0.7270043    | -0.136595560 | -0.6359094   | -0.45774228 |
| ## 159 | -0.29976337 | -0.26594667  | -0.8552684    | -0.088105584 | -0.5729196   | -0.36462838 |
| ## 160 | -0.38277796 | -0.26594667  | -0.9066088    | -0.153568090 | -0.6380147   | -0.43512972 |
| ## 161 | -0.44559954 | -0.40421796  | -0.9066088    | -0.127183700 | -0.6314945   | -0.51387210 |
| ## 162 | -0.48824642 | -0.38027151  | -0.7430410    | -0.132582130 | -0.6390484   | -0.56317340 |
| ## 163 | -0.50670457 | -0.38027151  | -0.7583853    | -0.210910600 | -0.6954040   | -0.59851983 |
| ## 164 | -0.47137383 | -0.27519434  | -0.8077118    | -0.162489970 | -0.6546332   | -0.58837641 |
| ## 165 | -0.38322132 | -0.27519434  | -0.9624766    | -0.193785910 | -0.6654351   | -0.43076617 |
| ## 166 | -0.38035727 | -0.45270541  | -0.9624766    | -0.264245800 | -0.7146550   | -0.31842945 |
| ## 167 | -0.42164670 | -0.48705416  | -0.9246065    | -0.235804510 | -0.7019856   | -0.39217224 |
| ## 168 | -0.43530140 | -0.27078335  | -0.7029865    | -0.119610400 | -0.6154678   | -0.53201964 |
| ## 169 | -0.36372265 | -0.14008918  | -0.7189665    | -0.143934940 | -0.6246812   | -0.40799087 |
| ## 170 | -0.36403715 | -0.14008918  | -0.7189665    | -0.115904040 | -0.6101672   | -0.38866974 |
| ## 171 | -0.41604265 | -0.36404429  | -0.6138716    | -0.113249470 | -0.6160625   | -0.45323750 |
| ## 172 | -0.48813865 | -0.36404429  | -0.6138716    | -0.170195260 | -0.6651323   | -0.59316047 |
| ## 173 | -0.41054840 | -0.36874191  | -0.5302577    | -0.199625810 | -0.6778120   | -0.46065368 |
| ## 174 | -0.28104803 | -0.32074187  | -0.6294169    | -0.150632800 | -0.6261992   | -0.26454682 |
| ## 175 | -0.36443687 | -0.23733876  | -0.6929543    | -0.185247830 | -0.6555346   | -0.41118583 |
| ## 176 | -0.37727645 | -0.07138243  | -0.6929543    | -0.192335010 | -0.6562010   | -0.46182542 |
| ## 177 | -0.93661920 | -0.92198951  | -0.9906604    | -0.924606850 | -0.9960587   | -0.94448576 |
| ##     | NA          | NA           | NA            | NA           | NA           | NA          |
| ## 1   | -0.23258164 | -0.173178740 | -0.0228966600 | 0.0948315680 | 0.1918171500 |             |

|       |             |              |               |               |               |
|-------|-------------|--------------|---------------|---------------|---------------|
| ## 2  | -0.44187611 | 0.081568632  | -0.1093660600 | 0.3117577100  | -0.4116748000 |
| ## 3  | -0.59993932 | 0.038049101  | -0.0742122710 | 0.2540759900  | -0.2961296600 |
| ## 4  | -0.58900633 | -0.092855878 | 0.0463961670  | -0.0004664473 | 0.0371425090  |
| ## 5  | -0.70459880 | 0.180441050  | -0.2776567200 | 0.5155624300  | -0.3558507600 |
| ## 6  | -0.78527148 | 0.370338620  | -0.3934519000 | 0.5634830200  | -0.4815456900 |
| ## 7  | -0.58617597 | 0.155920000  | -0.2399421600 | 0.2930264600  | -0.0627012180 |
| ## 8  | -0.44777480 | 0.049663704  | -0.1400816800 | 0.1503584300  | 0.0351372050  |
| ## 9  | -0.49538336 | 0.382673960  | -0.3370736400 | 0.2192151300  | -0.1617669300 |
| ## 10 | -0.61329295 | 0.430694650  | -0.3973414300 | 0.2667853500  | -0.0903310960 |
| ## 11 | -0.61463968 | 0.373112800  | -0.3430332100 | 0.3449071300  | -0.2767495300 |
| ## 12 | -0.84520103 | 0.415857260  | -0.2762635500 | 0.3496341900  | -0.5999291400 |
| ## 13 | -0.86991263 | 0.479832760  | -0.3739670000 | 0.4152130200  | -0.5343058200 |
| ## 14 | -0.92744189 | 0.471040190  | -0.3623790600 | 0.4075726400  | -0.5267360600 |
| ## 15 | 0.02351577  | -0.520530440 | 0.4330236000  | -0.4526969700 | 0.3813480500  |
| ## 16 | -0.61242297 | 0.028785268  | -0.1342421800 | 0.2464529500  | -0.1058780900 |
| ## 17 | -0.70013106 | 0.071744981  | -0.1896596300 | 0.3401255700  | -0.1601039800 |
| ## 18 | -0.76520087 | 0.088873196  | -0.0875747550 | 0.2307962300  | -0.2997783300 |
| ## 19 | -0.91164086 | 0.235037670  | -0.1593994200 | 0.3072472200  | -0.4611155600 |
| ## 20 | -0.90050551 | 0.258864600  | -0.2432917800 | 0.5054627700  | -0.6077512400 |
| ## 21 | -0.89308352 | 0.379181520  | -0.4114213700 | 0.8416637800  | -0.8810286700 |
| ## 22 | -0.92305351 | 0.491834070  | -0.4733726100 | 0.6948749200  | -0.6693707700 |
| ## 23 | -0.90350711 | 0.562489510  | -0.3807686500 | 0.1120085400  | -0.1604592800 |
| ## 24 | -0.84348671 | 0.514524520  | -0.3543013900 | 0.1550630100  | -0.2212084700 |
| ## 25 | -0.79617070 | 0.368455600  | -0.3247492600 | 0.3950831100  | -0.4074392800 |
| ## 26 | -0.80723755 | 0.375532870  | -0.3203405300 | 0.4365874500  | -0.4865988600 |
| ## 27 | -0.91034855 | 0.566921660  | -0.4827341300 | 0.5396608300  | -0.5079206500 |
| ## 28 | 0.50515047  | -0.680112990 | 0.3151620100  | 0.0854901480  | 0.1764438700  |
| ## 29 | -0.14265732 | -0.204337880 | 0.0657635450  | -0.0823802700 | 0.2613751000  |
| ## 30 | -0.54095570 | 0.054501730  | -0.0926288500 | 0.1704182100  | -0.1827282800 |
| ## 31 | 0.05976542  | -0.504479270 | 0.4242733200  | -0.5528966500 | 0.5664656700  |
| ## 32 | 0.66630239  | -0.596584650 | 0.5148715500  | -0.5602065200 | 0.4693108700  |
| ## 33 | 0.49703540  | -0.815434730 | 0.7941846400  | -0.8282780600 | 0.4882381100  |
| ## 34 | 0.06007779  | -0.464710860 | 0.3602128900  | -0.2734398100 | 0.1989857300  |
| ## 35 | -0.35975545 | -0.042807522 | 0.0247153770  | -0.1027109300 | 0.1024307800  |
| ## 36 | -0.81601335 | 0.391776180  | -0.4255955700 | 0.6364977300  | -0.5670037100 |
| ## 37 | -0.89046364 | 0.485173750  | -0.4730411000 | 0.7442852400  | -0.7573272100 |
| ## 38 | -0.84569950 | 0.289682210  | -0.3088169500 | 0.4674343700  | -0.3879327200 |
| ## 39 | -0.16387595 | -0.268993640 | 0.1880795900  | -0.1713020800 | 0.1674457200  |
| ## 40 | -0.30477008 | 0.062678045  | -0.0020708403 | -0.1305923900 | 0.0089512310  |
| ## 41 | -0.78870165 | 0.173412120  | -0.0958165940 | -0.0555705220 | 0.0040910928  |
| ## 42 | -0.75696481 | 0.159987040  | -0.0996125580 | 0.0681908180  | -0.1453462200 |
| ## 43 | -0.73894443 | 0.124903260  | -0.0898207140 | 0.1588796800  | -0.2741697100 |
| ## 44 | -0.74299519 | 0.126192870  | -0.2440781900 | 0.4887438200  | -0.3524958800 |
| ## 45 | -0.76779236 | 0.153920260  | -0.2491693800 | 0.4074736400  | -0.2537942000 |
| ## 46 | -0.84819404 | 0.259591460  | -0.2177301200 | 0.3518555400  | -0.4915183000 |
| ## 47 | -0.87549047 | 0.510861400  | -0.4257495800 | 0.3573448100  | -0.3583436600 |
| ## 48 | -0.85250968 | 0.466102920  | -0.4071317500 | 0.2436612400  | -0.1106279900 |
| ## 49 | -0.80832684 | 0.319715110  | -0.2889422300 | 0.0785383330  | 0.0968399040  |
| ## 50 | -0.78311216 | 0.231662460  | -0.1580392400 | -0.0558554500 | 0.0644771830  |
| ## 51 | -0.82233554 | 0.321446470  | -0.2112775800 | 0.2033330400  | -0.3894865000 |

|        |             |              |               |               |               |
|--------|-------------|--------------|---------------|---------------|---------------|
| ## 52  | 0.14110184  | -0.567937960 | 0.5682121000  | -0.6235346600 | 0.3751150300  |
| ## 53  | -0.55813971 | 0.303159730  | -0.1840101400 | 0.1234679600  | -0.3148711000 |
| ## 54  | -0.82835121 | 0.473281380  | -0.3456974300 | 0.2008235400  | -0.2074679200 |
| ## 55  | -0.87317390 | 0.667267880  | -0.5625668500 | 0.2800821700  | -0.0733077290 |
| ## 56  | -0.86877896 | 0.523870750  | -0.3918436500 | 0.3020344000  | -0.3417707700 |
| ## 57  | -0.84523817 | 0.423354660  | -0.3209596600 | 0.2857265500  | -0.3060576600 |
| ## 58  | -0.86644394 | 0.476707270  | -0.3867187800 | 0.4099740300  | -0.4282028600 |
| ## 59  | -0.83114529 | 0.266163450  | -0.2158199200 | 0.4897887000  | -0.6673749100 |
| ## 60  | -0.79190157 | 0.153347500  | -0.0732730160 | 0.1965975600  | -0.3818056200 |
| ## 61  | -0.84504869 | 0.403171960  | -0.2790765700 | 0.3002725100  | -0.4304058700 |
| ## 62  | -0.91233781 | 0.468275280  | -0.3290873300 | 0.3073202600  | -0.4254652700 |
| ## 63  | -0.94405478 | 0.517299330  | -0.3739047500 | 0.3177228300  | -0.4220692500 |
| ## 64  | -0.96402265 | 0.663835640  | -0.5156883200 | 0.3264662700  | -0.3026222400 |
| ## 65  | 0.40202058  | -0.267282640 | 0.1347799200  | -0.0653521190 | 0.1534597100  |
| ## 66  | -0.12782387 | -0.169693680 | 0.0623277130  | -0.1477402300 | 0.3153021900  |
| ## 67  | 0.30829357  | -0.660835940 | 0.5235404200  | -0.2317880200 | 0.0299870750  |
| ## 68  | 0.77204404  | -0.689010700 | 0.5554357200  | -0.2910512000 | 0.0872920890  |
| ## 69  | 0.40518679  | -0.847696490 | 0.7562588000  | -0.6939885400 | 0.4537469000  |
| ## 70  | 0.41994029  | -0.322171670 | 0.3889797800  | -0.5215201600 | 0.2418041100  |
| ## 71  | 0.86177315  | -0.367481340 | 0.2947559400  | -0.4290546400 | 0.4839886400  |
| ## 72  | 0.81506713  | -0.374984730 | 0.2772406900  | -0.4263176800 | 0.5397004600  |
| ## 73  | 0.76441710  | -0.499823740 | 0.3224840800  | -0.4351279300 | 0.6507668700  |
| ## 74  | 0.16193509  | -0.614294560 | 0.4280927100  | -0.4137084000 | 0.5261945100  |
| ## 75  | -0.16277211 | -0.032125526 | -0.0943210640 | 0.1900809600  | -0.0416419860 |
| ## 76  | -0.68876959 | 0.360751700  | -0.3526190800 | 0.1239879400  | 0.0980526030  |
| ## 77  | -0.71536080 | 0.358199120  | -0.2965263000 | 0.1380617600  | -0.0870704530 |
| ## 78  | -0.76472242 | 0.409205830  | -0.3190879500 | 0.3247483800  | -0.4123654000 |
| ## 79  | 0.80179191  | 0.071633848  | -0.0883988450 | -0.1029951900 | 0.2954388800  |
| ## 80  | 0.87403064  | 0.046100766  | -0.0907421630 | 0.0071522924  | 0.1819491400  |
| ## 81  | 0.85755800  | 0.139415920  | -0.2013803800 | 0.1037466900  | 0.1712586700  |
| ## 82  | 0.84006762  | 0.089020914  | -0.1859417900 | 0.2028466900  | 0.0508401810  |
| ## 83  | 0.87430946  | -0.013517842 | -0.0540982190 | 0.0400232160  | 0.1155762900  |
| ## 84  | 0.87852461  | -0.080544239 | 0.0024097269  | -0.0141241580 | 0.1667527600  |
| ## 85  | 0.85545042  | -0.060648025 | 0.0008663825  | -0.0892763880 | 0.2606428700  |
| ## 86  | 0.80867228  | 0.099839719  | -0.1350929200 | 0.0301422910  | 0.1661456600  |
| ## 87  | 0.76189413  | -0.097309240 | 0.0251930850  | 0.0310416080  | 0.0432281050  |
| ## 88  | 0.80902321  | 0.053010495  | -0.1342250900 | 0.0370927930  | 0.2455446200  |
| ## 89  | 0.81425610  | 0.138224870  | -0.2917465800 | 0.4383373700  | -0.1217470600 |
| ## 90  | 0.83072874  | 0.075965531  | -0.2264421000 | 0.4952526900  | -0.2934405700 |
| ## 91  | 0.83174647  | -0.059955099 | -0.0638210000 | 0.2491876000  | -0.1075521600 |
| ## 92  | 0.88867452  | -0.090948792 | 0.0308085340  | 0.0479809220  | -0.0039278620 |
| ## 93  | 0.87266198  | -0.031004900 | -0.0010291740 | -0.0779892470 | 0.1866496500  |
| ## 94  | 0.85864784  | 0.113852830  | -0.1577004900 | 0.0295989210  | 0.1939898700  |
| ## 95  | 0.82268641  | 0.152759740  | -0.1871141300 | 0.0809887060  | 0.1222142400  |
| ## 96  | 0.84712927  | 0.046200262  | -0.1045319900 | -0.0045539705 | 0.2250433700  |
| ## 97  | 0.83072874  | 0.045146890  | -0.0530253300 | -0.1464996400 | 0.3030140000  |
| ## 98  | 0.85060551  | 0.061571107  | -0.0594000590 | -0.0515903710 | 0.1420375400  |
| ## 99  | 0.84217520  | 0.137906330  | -0.1794015800 | 0.2255724800  | -0.1053918200 |
| ## 100 | 0.85271309  | 0.212545490  | -0.2224129600 | 0.2058445500  | -0.1012639400 |
| ## 101 | 0.85654027  | 0.097592246  | -0.1454620700 | 0.1163081800  | 0.0361582410  |

|        |            |              |               |               |               |
|--------|------------|--------------|---------------|---------------|---------------|
| ## 102 | 0.81956110 | 0.095621340  | -0.1255720000 | -0.0615520560 | 0.2970981000  |
| ## 103 | 0.81159089 | 0.115020050  | -0.1488498500 | -0.0453046760 | 0.3101344000  |
| ## 104 | 0.80234954 | 0.098589622  | -0.1270805900 | -0.0446466880 | 0.2702427100  |
| ## 105 | 0.81050104 | 0.006834123  | -0.0436560950 | -0.0970995550 | 0.2736902500  |
| ## 106 | 0.81077985 | -0.040788209 | -0.1056936700 | 0.3285722200  | -0.1580925200 |
| ## 107 | 0.84400396 | 0.062276461  | -0.1806585500 | 0.3508136300  | -0.1554904800 |
| ## 108 | 0.88200086 | 0.128398240  | -0.1884978400 | 0.2531159000  | -0.1138964700 |
| ## 109 | 0.81214852 | 0.144790360  | -0.1976774600 | 0.1741133400  | -0.0004288831 |
| ## 110 | 0.81050104 | 0.124954490  | -0.2004172300 | 0.1547626900  | 0.0945863680  |
| ## 111 | 0.80867228 | 0.048119737  | -0.1338544500 | 0.1033381000  | 0.1409750500  |
| ## 112 | 0.82816106 | -0.006818309 | -0.0543022810 | 0.1797838500  | -0.1237375200 |
| ## 113 | 0.80793336 | 0.136859180  | -0.2239722300 | 0.2827849800  | -0.0596085490 |
| ## 114 | 0.78742684 | 0.185515700  | -0.2739934200 | 0.4144561200  | -0.2355117300 |
| ## 115 | 0.81921017 | -0.041971185 | -0.1248941500 | 0.5325160100  | -0.4284699500 |
| ## 116 | 0.87567812 | -0.079602956 | -0.0455629660 | 0.2926979900  | -0.1964519000 |
| ## 117 | 0.87989328 | 0.018552979  | -0.1590239800 | 0.3270656600  | -0.1102036400 |
| ## 118 | 0.84052772 | 0.166493110  | -0.3113485300 | 0.3338459900  | 0.0647956020  |
| ## 119 | 0.76087640 | 0.124422640  | -0.2599674500 | 0.4081230600  | -0.1186443000 |
| ## 120 | 0.77625920 | -0.038122982 | -0.0147438990 | -0.0297562830 | 0.1726016200  |
| ## 121 | 0.81983992 | -0.012179873 | 0.0070245367  | -0.0881377610 | 0.1387999400  |
| ## 122 | 0.83026864 | 0.064252784  | -0.1285504400 | 0.2511330000  | -0.1701097800 |
| ## 123 | 0.81608486 | -0.019925406 | -0.0817949940 | 0.3383315400  | -0.2896677700 |
| ## 124 | 0.84986660 | -0.146720510 | 0.0540527520  | 0.1631646300  | -0.1566150400 |
| ## 125 | 0.81425610 | -0.018326819 | -0.1089683600 | 0.2658048800  | -0.0748110990 |
| ## 126 | 0.83768123 | -0.107065640 | 0.1403910200  | -0.1978032100 | 0.0928935800  |
| ## 127 | 0.88309070 | 0.013205649  | -0.0234932050 | 0.1920615000  | -0.2944071100 |
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| ## 129 | 0.81745352 | -0.122338270 | 0.0498619600  | 0.2607489300  | -0.3400734100 |
| ## 130 | 0.85334284 | -0.125334910 | -0.0212167770 | 0.2401811000  | -0.0586543930 |
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| ## 132 | 0.78144738 | -0.129588420 | 0.1195109400  | -0.0335084080 | -0.0502844890 |
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| ## 134 | 0.77980756 | 0.013183617  | -0.0100746120 | 0.2863528100  | -0.4977955700 |
| ## 135 | 0.90222856 | 0.039330651  | -0.1894231400 | 0.5420097400  | -0.3648770800 |
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| ## 137 | 0.89288968 | 0.105546000  | -0.1465551900 | 0.1304313500  | 0.0285706910  |
| ## 138 | 0.85334284 | 0.003873213  | -0.0660119580 | 0.1537331500  | -0.0493292460 |
| ## 139 | 0.89316850 | -0.414867330 | 0.3705447400  | -0.2214157300 | 0.0440720220  |
| ## 140 | 0.87852461 | -0.024157120 | -0.0375554310 | 0.1980244600  | -0.1842745000 |
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| ## 142 | 0.85836903 | -0.201153530 | 0.0583814670  | 0.1423225700  | 0.0099049523  |
| ## 143 | 0.88547710 | -0.230445540 | 0.1814680500  | -0.0165579260 | -0.0728242360 |
| ## 144 | 0.86844682 | -0.189027480 | 0.1559889900  | -0.0472556660 | -0.0285426580 |
| ## 145 | 0.83237622 | -0.045035181 | -0.0051142644 | 0.0800440820  | -0.0295470060 |
| ## 146 | 0.83768123 | -0.160231850 | 0.0396655520  | 0.0915984750  | 0.0439197290  |
| ## 147 | 0.89106092 | -0.324404340 | 0.0934692840  | 0.2686026400  | -0.0766338630 |
| ## 148 | 0.87989328 | -0.156721390 | 0.0824854450  | 0.0807386950  | -0.0677115370 |
| ## 149 | 0.84775902 | -0.069460974 | 0.0345638620  | 0.1811355200  | -0.2832371800 |
| ## 150 | 0.87009430 | -0.189500570 | 0.0564644910  | 0.3012755000  | -0.3042996700 |
| ## 151 | 0.80179191 | -0.253645770 | 0.0734071330  | 0.3101355600  | -0.2781555900 |

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| ## 152 | 0.76618141  | -0.236702910 | 0.0856744780  | 0.1049482500  | -0.0077893914 |
| ## 153 | 0.79273185  | -0.384452860 | 0.2713783700  | -0.0644815440 | -0.0108982860 |
| ## 154 | 0.78668793  | -0.484930070 | 0.4201914600  | -0.2838411300 | 0.1027917500  |
| ## 155 | 0.80024196  | -0.348736980 | 0.3151011900  | -0.1913532100 | 0.0050357642  |
| ## 156 | 0.77938451  | -0.170423230 | 0.1326931400  | -0.1001700800 | 0.0498378620  |
| ## 157 | 0.80480805  | -0.236987830 | 0.1343724500  | -0.0430911980 | 0.0833157880  |
| ## 158 | 0.78816576  | -0.206294380 | 0.1088719700  | 0.0171455510  | 0.0007366699  |
| ## 159 | 0.85545042  | -0.355097980 | 0.2222409400  | -0.1517912500 | 0.2473766800  |
| ## 160 | 0.82834235  | -0.473742990 | 0.3316101300  | -0.0916016650 | 0.0383749640  |
| ## 161 | 0.79027333  | -0.272370510 | 0.1164457300  | 0.0736356600  | 0.0124476280  |
| ## 162 | 0.79648690  | -0.214547080 | 0.1245499200  | -0.1155334700 | 0.1850548600  |
| ## 163 | 0.78633699  | -0.320336450 | 0.2748793000  | -0.2398919400 | 0.1399805200  |
| ## 164 | 0.80308845  | -0.363553310 | 0.3213510000  | -0.1974104300 | 0.0087408448  |
| ## 165 | 0.81921017  | -0.427555560 | 0.3233789800  | -0.1983491000 | 0.1444285400  |
| ## 166 | 0.81425610  | -0.611956730 | 0.4275846300  | -0.1109613800 | 0.0505178260  |
| ## 167 | 0.75392392  | -0.651123370 | 0.4732497900  | -0.0403929140 | -0.1369637800 |
| ## 168 | 0.76168744  | -0.476238020 | 0.3260327900  | -0.1467862100 | 0.1452215500  |
| ## 169 | 0.82166868  | -0.278903460 | 0.2369866800  | -0.2133677200 | 0.1419728700  |
| ## 170 | 0.82331616  | -0.287346860 | 0.2505250200  | -0.2156539400 | 0.1197375700  |
| ## 171 | 0.80445712  | -0.464660740 | 0.3618292400  | -0.0682658760 | -0.1223225400 |
| ## 172 | 0.74935783  | -0.380613940 | 0.3175043700  | -0.0547894920 | -0.1757717400 |
| ## 173 | 0.77067538  | -0.490032810 | 0.4281176900  | -0.2537839500 | 0.0363053910  |
| ## 174 | 0.79164200  | -0.378494160 | 0.2546173900  | -0.1437065500 | 0.1707895200  |
| ## 175 | 0.83385405  | -0.331605530 | 0.1705426000  | 0.0392080460  | 0.0332499200  |
| ## 176 | 0.79996315  | -0.309904850 | 0.3301168000  | -0.4827936100 | 0.3704445800  |
| ## 177 | -0.01592767 | -0.111925050 | -0.0749834020 | 0.1817093700  | 0.0778883840  |
| ##     | NA          | NA           | NA            | NA            | NA            |
| ##     | NA          |              |               |               |               |
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|        | 0.99330586  |              |               |               |               |
| ## 2   | -0.99125349 | -0.991694410 | -0.992716030  | -0.98866062   | -0.99120847   |
|        | 0.99125349  |              |               |               |               |
| ## 3   | -0.98853127 | -0.990396900 | -0.990650490  | -0.98866062   | -0.99301198   |
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| ## 4   | -0.99307804 | -0.993380800 | -0.993194520  | -0.99340172   | -0.99301198   |
|        | 0.99307804  |              |               |               |               |
| ## 5   | -0.99348000 | -0.995853710 | -0.996107460  | -0.99328290   | -0.98132454   |
|        | 0.99348000  |              |               |               |               |
| ## 6   | -0.99301770 | -0.995424310 | -0.995527400  | -0.99328290   | -0.99317504   |
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| ## 7   | -0.99131430 | -0.989447830 | -0.991090730  | -0.98567750   | -0.99317504   |
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| ## 8   | -0.99085085 | -0.990388320 | -0.992003950  | -0.98567750   | -0.97601033   |
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| ## 9   | -0.99332542 | -0.992887470 | -0.994063200  | -0.98965923   | -0.98468412   |
|        | 0.99332542  |              |               |               |               |
| ## 10  | -0.98538815 | -0.983643080 | -0.984627640  | -0.97867202   | -0.98468412   |
|        | 0.98538815  |              |               |               |               |
| ## 11  | -0.98441139 | -0.986025150 | -0.987352770  | -0.97867202   | -0.98081241   |
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| ## 91  | 0.0581714160  | -0.075164913 | -0.207691790 | -0.0971573320 | -0.35089504 |
| ## 92  | 0.2946969500  | -0.099273959 | -0.168998040 | -0.0392448160 | -0.33702763 |
| ## 93  | 0.2368233700  | -0.153659650 | -0.264578530 | -0.1552604100 | -0.33702763 |
| ## 94  | 0.0009323857  | -0.124089310 | -0.214310240 | -0.1173257600 | -0.30519613 |
| ## 95  | 0.1711214800  | -0.126386650 | -0.113015520 | 0.0244277030  | -0.30519613 |
| ## 96  | 0.1591295100  | -0.123044220 | -0.124993180 | 0.0160425930  | -0.33512691 |
| ## 97  | 0.0805559850  | -0.091700752 | -0.099522253 | 0.0393138450  | -0.33252817 |
| ## 98  | 0.1961503400  | -0.135993970 | -0.142689620 | -0.0187816960 | -0.33252817 |
| ## 99  | -0.1649086500 | -0.039073593 | -0.261322790 | -0.1448450000 | -0.34987428 |
| ## 100 | -0.1519710400 | -0.129628640 | -0.235474140 | -0.1088393200 | -0.41358068 |
| ## 101 | -0.3335907200 | -0.192946220 | -0.229352320 | -0.1160476700 | -0.41311593 |
| ## 102 | -0.0806482070 | -0.112013610 | -0.138185320 | -0.0075761866 | -0.31693594 |
| ## 103 | 0.4159071900  | -0.088644270 | -0.115132340 | 0.0048845233  | -0.30494404 |
| ## 104 | 0.5556537600  | -0.093538752 | -0.111115270 | -0.0078416730 | -0.30494404 |
| ## 105 | 0.3722867400  | -0.141954260 | -0.181808990 | -0.0659563270 | -0.31787601 |
| ## 106 | -0.2144123700 | -0.211465540 | -0.242287440 | -0.1033017000 | -0.39454890 |
| ## 107 | -0.2556256800 | -0.158392680 | -0.180438430 | -0.0555959120 | -0.33786073 |
| ## 108 | -0.0768083060 | -0.113072030 | -0.195497830 | -0.0679104610 | -0.33786073 |
| ## 109 | 0.2015081200  | -0.105370890 | -0.204713080 | -0.0518766100 | -0.41253456 |
| ## 110 | 0.2694318200  | -0.094159584 | -0.149721580 | -0.0158530480 | -0.24758075 |
| ## 111 | 0.2285245200  | -0.129153230 | -0.148609950 | -0.0391823360 | -0.24758075 |

|        |               |              |              |               |             |
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| ## 112 | 0.2058995000  | 0.080741014  | -0.054343677 | 0.0861742250  | -0.26149044 |
| ## 113 | 0.0361309810  | -0.088967213 | -0.173577130 | -0.0540507030 | -0.32142041 |
| ## 114 | 0.0735544280  | -0.132053540 | -0.211740700 | -0.1028354100 | -0.34274125 |
| ## 115 | -0.0626838050 | -0.114566560 | -0.176499820 | -0.0597544040 | -0.34274125 |
| ## 116 | -0.1190295200 | -0.143820460 | -0.148663800 | 0.0036190911  | -0.36741629 |
| ## 117 | 0.2282529600  | -0.176352390 | -0.215382940 | -0.0837478860 | -0.36741629 |
| ## 118 | 0.2738314300  | -0.198187390 | -0.306289200 | -0.1930846100 | -0.46933464 |
| ## 119 | -0.0862737050 | -0.208456920 | -0.259883840 | -0.1608095900 | -0.35616242 |
| ## 120 | 0.0817502620  | -0.245563500 | -0.199265900 | -0.0955464980 | -0.35616242 |
| ## 121 | 0.2632399800  | -0.258947690 | -0.211654180 | -0.1108420700 | -0.34884015 |
| ## 122 | 0.2240107400  | -0.188040210 | -0.227373580 | -0.1454664000 | -0.34884015 |
| ## 123 | 0.1928171900  | -0.084250228 | -0.277121250 | -0.2224388100 | -0.33888524 |
| ## 124 | 0.1824972400  | -0.102054540 | -0.204400330 | -0.1155888200 | -0.33888524 |
| ## 125 | 0.3408392600  | -0.221462740 | -0.111906420 | 0.0002165599  | -0.27561779 |
| ## 126 | 0.1651146400  | -0.380148630 | -0.456242430 | -0.3987684900 | -0.48356913 |
| ## 127 | -0.0299697940 | -0.318154100 | -0.285041390 | -0.2851396000 | -0.05750276 |
| ## 128 | 0.2130188100  | -0.034722567 | -0.039304038 | 0.0740641130  | -0.05750276 |
| ## 129 | 0.2856687900  | -0.001720524 | -0.143907880 | -0.0231504830 | -0.30082239 |
| ## 130 | 0.0683338860  | -0.207916610 | -0.390701520 | -0.3202009400 | -0.42774369 |
| ## 131 | 0.3339918100  | 0.008441575  | -0.160832840 | -0.1047377200 | -0.13020738 |
| ## 132 | 0.5879366000  | 0.069394797  | -0.218374370 | -0.1955586200 | -0.13020738 |
| ## 133 | 0.4069810200  | -0.133609780 | -0.441985400 | -0.3693620200 | -0.36715515 |
| ## 134 | 0.3765854900  | -0.254896830 | -0.391095520 | -0.3566012300 | -0.36715515 |
| ## 135 | 0.2366091300  | -0.066701101 | -0.107861380 | -0.0181596540 | -0.17380204 |
| ## 136 | 0.2250481300  | -0.113039590 | -0.181948480 | -0.0912326420 | -0.23290255 |
| ## 137 | 0.2610875600  | 0.131041710  | 0.070014431  | 0.2288546500  | -0.20308106 |
| ## 138 | 0.2745315600  | 0.164313710  | 0.073314928  | 0.2287088000  | -0.19840814 |
| ## 139 | -0.0544592720 | 0.030720346  | -0.023868319 | 0.0274715910  | 0.05167230  |
| ## 140 | 0.3393945600  | 0.017206344  | 0.038888130  | 0.0455216940  | 0.05167230  |
| ## 141 | 0.1622363500  | -0.008343083 | -0.194324130 | -0.2225701400 | 0.02275394  |
| ## 142 | 0.0202819440  | -0.078489390 | -0.379919650 | -0.3540224700 | -0.31597181 |
| ## 143 | -0.1465966800 | -0.104457920 | -0.262906480 | -0.1497247600 | -0.38429494 |
| ## 144 | 0.1169591800  | -0.115798860 | -0.213528860 | -0.0895352800 | -0.36618966 |
| ## 145 | 0.3273032600  | 0.110598560  | 0.048261980  | 0.1810297200  | -0.08284774 |
| ## 146 | 0.3304729800  | 0.140530660  | 0.015332393  | 0.1281821200  | -0.08284774 |
| ## 147 | 0.1462413300  | -0.014713381 | -0.164430390 | -0.0781033510 | -0.18426195 |
| ## 148 | -0.3634136000 | -0.050395776 | -0.195859060 | -0.1196671800 | -0.33863502 |
| ## 149 | -0.0541830900 | -0.095271912 | -0.385440030 | -0.3314291700 | -0.38537060 |
| ## 150 | 0.1105483300  | -0.142730820 | -0.409922230 | -0.3481405800 | -0.46352325 |
| ## 151 | -0.4429663100 | -0.217570190 | -0.160708640 | -0.0674121340 | -0.32727262 |
| ## 152 | -0.1839345200 | -0.282302360 | -0.183663320 | -0.0415486100 | -0.39693962 |
| ## 153 | -0.4352625600 | -0.050825995 | 0.101300390  | 0.2290615300  | -0.22449039 |
| ## 154 | -0.3283372500 | 0.013820270  | 0.008518332  | 0.0800312230  | -0.22449039 |
| ## 155 | -0.0482589480 | -0.161205300 | -0.214250580 | -0.1601659300 | -0.20298588 |
| ## 156 | -0.0805329680 | -0.234503350 | -0.169740760 | -0.0715574230 | -0.20298588 |
| ## 157 | -0.2382714400 | -0.214704210 | -0.158624240 | -0.0845175650 | -0.29907395 |
| ## 158 | -0.0730074470 | -0.157705580 | -0.152147170 | -0.0722548930 | -0.29907395 |
| ## 159 | -0.0791425020 | -0.217829070 | -0.200289010 | -0.0610173420 | -0.41786854 |
| ## 160 | 0.0734384690  | -0.257769720 | -0.147183520 | 0.0047518659  | -0.35222100 |
| ## 161 | 0.2705075900  | -0.004317202 | 0.098520781  | 0.2279385400  | -0.17973000 |

|        |               |              |              |               |              |
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| ## 162 | 0.1503223200  | 0.015006792  | 0.001209953  | 0.0954494550  | -0.17973000  |
| ## 163 | 0.1178401200  | -0.198316510 | -0.357036210 | -0.2655951700 | -0.47240953  |
| ## 164 | 0.2145864400  | -0.241127090 | -0.293245690 | -0.1773175200 | -0.47240953  |
| ## 165 | 0.2011651600  | -0.216744920 | -0.323382560 | -0.2385286800 | -0.44060106  |
| ## 166 | -0.2763190900 | -0.182911950 | -0.345185240 | -0.2578202500 | -0.44060106  |
| ## 167 | -0.2982155700 | -0.294346770 | -0.258686660 | -0.1226387700 | -0.44995904  |
| ## 168 | -0.0048127209 | -0.072142793 | -0.248795220 | -0.1087803600 | -0.42302224  |
| ## 169 | 0.3868341900  | -0.201621080 | -0.190550390 | -0.0184538020 | -0.37617339  |
| ## 170 | 0.3379350500  | -0.007828562 | 0.114369360  | 0.2598039600  | -0.17588780  |
| ## 171 | -0.3164105400 | 0.018036168  | -0.005496678 | 0.0691251710  | -0.17588780  |
| ## 172 | -0.1881093300 | -0.265857210 | -0.359110140 | -0.3114625000 | -0.39923913  |
| ## 173 | 0.1404782000  | -0.316586040 | -0.293081370 | -0.2225440600 | -0.43367590  |
| ## 174 | 0.0090731482  | -0.188701310 | -0.269182310 | -0.1680310700 | -0.43367590  |
| ## 175 | -0.1676181900 | -0.162048980 | -0.354691980 | -0.2869608700 | -0.47598246  |
| ## 176 | -0.1688802800 | -0.205894060 | -0.354565170 | -0.2521298900 | -0.44175370  |
| ## 177 | -0.3172702100 | -0.883424990 | -0.882089100 | -0.8642336300 | -0.91200531  |
| ##     | NA            | NA           | NA           | NA            | NA           |
| ## 1   | -0.99155366   | -0.968959080 | -0.9992865   | -0.9497658200 | 0.072579035  |
| ## 2   | -0.99155366   | -0.980683140 | -0.9997247   | -0.9828568100 | -0.192899060 |
| ## 3   | -0.96619294   | -0.976317070 | -0.9996406   | -0.9834544600 | -0.222829260 |
| ## 4   | -0.98168559   | -0.982059880 | -0.9997679   | -0.9839660100 | -0.240719220 |
| ## 5   | -0.98168559   | -0.985203730 | -0.9998294   | -0.9923380200 | -0.338699140 |
| ## 6   | -0.99036050   | -0.985894400 | -0.9998297   | -0.9892783400 | -0.244945960 |
| ## 7   | -0.99317783   | -0.985500690 | -0.9998151   | -0.9796151300 | -0.218840780 |
| ## 8   | -0.99317783   | -0.984505630 | -0.9998090   | -0.9873955500 | -0.256580060 |
| ## 9   | -0.99193469   | -0.989369780 | -0.9998956   | -0.9897375400 | -0.377148720 |
| ## 10  | -0.99193469   | -0.984524360 | -0.9997757   | -0.9771724300 | -0.149407830 |
| ## 11  | -0.99001058   | -0.985250700 | -0.9997875   | -0.9789466700 | -0.184287700 |
| ## 12  | -0.99348434   | -0.994286710 | -0.9999596   | -0.9970525000 | -0.611367910 |
| ## 13  | -0.99695083   | -0.996308090 | -0.9999781   | -0.9967856700 | -0.681688780 |
| ## 14  | -0.99737277   | -0.997672460 | -0.9999880   | -0.9984054700 | -0.775183100 |
| ## 15  | -0.74560010   | -0.840506080 | -0.9868115   | -0.8787296300 | 0.513096300  |
| ## 16  | -0.94896306   | -0.931278330 | -0.9969316   | -0.8949333800 | 0.285463220  |
| ## 17  | -0.94896306   | -0.972364430 | -0.9995198   | -0.9880913200 | -0.236694840 |
| ## 18  | -0.97867569   | -0.980489500 | -0.9997426   | -0.9847558600 | -0.281807510 |
| ## 19  | -0.98836141   | -0.988568970 | -0.9998937   | -0.9944618400 | -0.477322420 |
| ## 20  | -0.99299314   | -0.993472000 | -0.9999518   | -0.9942160500 | -0.554964340 |
| ## 21  | -0.99299314   | -0.996982740 | -0.9999847   | -0.9986647500 | -0.837145750 |
| ## 22  | -0.99230278   | -0.997073630 | -0.9999845   | -0.9983860700 | -0.798475800 |
| ## 23  | -0.99613799   | -0.997622270 | -0.9999871   | -0.9976016400 | -0.772576780 |
| ## 24  | -0.99613799   | -0.997361980 | -0.9999853   | -0.9968880800 | -0.736066650 |
| ## 25  | -0.99533970   | -0.995698790 | -0.9999738   | -0.9959959200 | -0.691858220 |
| ## 26  | -0.99690271   | -0.995266310 | -0.9999685   | -0.9968759900 | -0.646990310 |
| ## 27  | -0.99690271   | -0.995826150 | -0.9999719   | -0.9960748500 | -0.630695020 |
| ## 28  | -0.81114604   | -0.873880100 | -0.9926843   | -0.9758440500 | -0.017026165 |
| ## 29  | -0.82256369   | -0.895202710 | -0.9946561   | -0.9312682500 | 0.197732300  |
| ## 30  | -0.90926131   | -0.940965670 | -0.9980054   | -0.9453008000 | 0.173546630  |
| ## 31  | -0.99365450   | -0.681908450 | -0.8875364   | -0.0350991330 | 0.330924560  |
| ## 32  | -0.99365450   | -0.592879870 | -0.8750608   | -0.1758756500 | 0.762665030  |
| ## 33  | -0.87650551   | -0.853617420 | -0.9856641   | -0.8640693500 | 0.502774400  |



|       |             |              |            |               |              |
|-------|-------------|--------------|------------|---------------|--------------|
| ## 34 | -0.86134038 | -0.936177510 | -0.9978819 | -0.9583339900 | 0.044427894  |
| ## 35 | -0.94392516 | -0.963854230 | -0.9992164 | -0.9652539700 | -0.007750227 |
| ## 36 | -0.98772069 | -0.984304760 | -0.9998059 | -0.9848465400 | -0.236879670 |
| ## 37 | -0.99354669 | -0.993888440 | -0.9999520 | -0.9923061300 | -0.519097870 |
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| ## 39 | -0.24098688 | -0.626075130 | -0.9360456 | -0.7824783200 | 0.680474110  |
| ## 40 | -0.80421154 | -0.788145220 | -0.9763284 | -0.7805560200 | 0.810200380  |
| ## 41 | -0.96630613 | -0.921598190 | -0.9955430 | -0.8450211400 | 0.478748900  |
| ## 42 | -0.98201948 | -0.982388200 | -0.9997142 | -0.9777657000 | -0.211694300 |
| ## 43 | -0.98201948 | -0.985339980 | -0.9998200 | -0.9859213800 | -0.294021910 |
| ## 44 | -0.96390662 | -0.980753580 | -0.9997501 | -0.9880497200 | -0.333729800 |
| ## 45 | -0.99632962 | -0.988324570 | -0.9998798 | -0.9878988800 | -0.370142920 |
| ## 46 | -0.99632962 | -0.993564220 | -0.9999513 | -0.9935621100 | -0.522421870 |
| ## 47 | -0.99548896 | -0.994658560 | -0.9999602 | -0.9931947800 | -0.542949710 |
| ## 48 | -0.99548896 | -0.995525740 | -0.9999711 | -0.9955474400 | -0.637387450 |
| ## 49 | -0.99236958 | -0.995042930 | -0.9999672 | -0.9959197800 | -0.633580200 |
| ## 50 | -0.99236958 | -0.994410550 | -0.9999605 | -0.9950311500 | -0.606314260 |
| ## 51 | -0.99142040 | -0.993670300 | -0.9999513 | -0.9953615200 | -0.559459430 |
| ## 52 | -0.71311737 | -0.777561780 | -0.9735946 | -0.7394621200 | 0.731250020  |
| ## 53 | -0.95398122 | -0.915218960 | -0.9952519 | -0.8747484700 | 0.511478760  |
| ## 54 | -0.96123470 | -0.973400950 | -0.9994872 | -0.9734050900 | -0.086295986 |
| ## 55 | -0.96123470 | -0.982099080 | -0.9997880 | -0.9919320800 | -0.466446370 |
| ## 56 | -0.96877685 | -0.984412520 | -0.9998326 | -0.9937907600 | -0.504069100 |
| ## 57 | -0.98288405 | -0.988145490 | -0.9998930 | -0.9958656200 | -0.617966860 |
| ## 58 | -0.99079543 | -0.992512940 | -0.9999396 | -0.9897888400 | -0.526136080 |
| ## 59 | -0.99374856 | -0.995989300 | -0.9999765 | -0.9982392700 | -0.734939270 |
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| ## 61 | -0.99459752 | -0.997056250 | -0.9999845 | -0.9977944700 | -0.781641410 |
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| ## 63 | -0.99058837 | -0.996240040 | -0.9999786 | -0.9981824800 | -0.764485310 |
| ## 64 | -0.99746642 | -0.995952830 | -0.9999753 | -0.9968169900 | -0.671737320 |
| ## 65 | -0.14341513 | -0.607384400 | -0.9281587 | -0.8682906200 | 0.665861950  |
| ## 66 | -0.64873824 | -0.751969170 | -0.9698966 | -0.7946577300 | 0.675920240  |
| ## 67 | -0.64873824 | -0.599101830 | -0.8502692 | -0.6031732500 | 0.702297060  |
| ## 68 | -0.80702600 | -0.547093370 | -0.8366659 | -0.6413735600 | 0.821366650  |
| ## 69 | -0.98427857 | -0.801574670 | -0.9750295 | -0.7492317500 | 0.769347090  |
| ## 70 | -0.98427857 | -0.715739090 | -0.9239069 | -0.6261098500 | 0.803919000  |
| ## 71 | -0.89866955 | -0.401129810 | -0.6377623 | -0.4556280100 | 0.850391250  |
| ## 72 | -0.89866955 | -0.484206220 | -0.6820440 | -0.4479009500 | 0.811908740  |
| ## 73 | -0.84577603 | -0.733580550 | -0.9586773 | -0.8661596800 | 0.651842560  |
| ## 74 | -0.60107184 | -0.792010160 | -0.9797934 | -0.8657672600 | 0.462455620  |
| ## 75 | -0.83003252 | -0.876342720 | -0.9920579 | -0.8876922400 | 0.425441280  |
| ## 76 | -0.98916465 | -0.951215360 | -0.9982763 | -0.9056581500 | 0.227142800  |
| ## 77 | -0.99452367 | -0.987370970 | -0.9998203 | -0.9890206400 | -0.245760590 |
| ## 78 | -0.99452367 | -0.992047650 | -0.9999341 | -0.9904133300 | -0.482705450 |
| ## 79 | -0.48674233 | -0.034395601 | -0.5135152 | -0.1010419000 | 0.137033850  |
| ## 80 | -0.56520385 | -0.140938230 | -0.6059295 | 0.0528563160  | 0.267017580  |
| ## 81 | -0.68527229 | -0.094593563 | -0.5855884 | -0.1622876700 | 0.272085300  |
| ## 82 | -0.68527229 | -0.049340623 | -0.5081953 | -0.0688371880 | 0.299421790  |
| ## 83 | -0.90587659 | -0.021410464 | -0.4744439 | -0.0259215660 | 0.200174990  |

|        |             |              |            |               |             |
|--------|-------------|--------------|------------|---------------|-------------|
| ## 84  | -0.90587659 | -0.138875310 | -0.5942961 | 0.0711137430  | 0.346926520 |
| ## 85  | -0.75247175 | -0.196389870 | -0.6529261 | -0.1002829300 | 0.463208870 |
| ## 86  | -0.60118907 | -0.146382510 | -0.6164023 | -0.2151450500 | 0.419669800 |
| ## 87  | -0.49210335 | -0.214722040 | -0.6598021 | -0.1004039500 | 0.527979830 |
| ## 88  | -0.66670556 | -0.178794540 | -0.6402777 | -0.0009637106 | 0.324584450 |
| ## 89  | -0.66670556 | -0.186565460 | -0.6514863 | -0.0156648560 | 0.344832730 |
| ## 90  | -0.66565258 | -0.162954120 | -0.6293309 | -0.1900576300 | 0.424301110 |
| ## 91  | -0.66565258 | -0.075164913 | -0.5544524 | -0.0658786810 | 0.172460700 |
| ## 92  | -0.58318833 | -0.099273959 | -0.5650524 | -0.0082690914 | 0.209175810 |
| ## 93  | -0.65302260 | -0.153659650 | -0.6246136 | -0.1712054900 | 0.339285420 |
| ## 94  | -0.65302260 | -0.124089310 | -0.5931729 | -0.1892305800 | 0.375292510 |
| ## 95  | -0.69873006 | -0.126386650 | -0.5731076 | 0.0737180270  | 0.416485790 |
| ## 96  | -0.69873006 | -0.123044220 | -0.5733360 | 0.1008622200  | 0.429404700 |
| ## 97  | -0.50210241 | -0.091700752 | -0.5437852 | 0.1292627100  | 0.385569860 |
| ## 98  | -0.55009947 | -0.135993970 | -0.5868411 | -0.0310064030 | 0.512359510 |
| ## 99  | -0.59835453 | -0.039073593 | -0.5361373 | -0.1100061100 | 0.115459280 |
| ## 100 | -0.59835453 | -0.129628640 | -0.6014946 | -0.0755060500 | 0.235669520 |
| ## 101 | -0.68155649 | -0.192946220 | -0.6453640 | -0.1228148500 | 0.438675020 |
| ## 102 | -0.68155649 | -0.112013610 | -0.5680189 | 0.0020325514  | 0.334383230 |
| ## 103 | -0.70108892 | -0.088644270 | -0.5450057 | 0.0316575600  | 0.312194010 |
| ## 104 | -0.70108892 | -0.093538752 | -0.5478650 | -0.0891204010 | 0.375292510 |
| ## 105 | -0.69614163 | -0.141954260 | -0.5996186 | -0.0996071510 | 0.346926520 |
| ## 106 | -0.60758219 | -0.211465540 | -0.6604496 | -0.0196207900 | 0.391933260 |
| ## 107 | -0.53337330 | -0.158392680 | -0.6111874 | -0.0151677370 | 0.344102460 |
| ## 108 | -0.41630661 | -0.113072030 | -0.5810873 | 0.0339570980  | 0.265499850 |
| ## 109 | -0.32489611 | -0.105370890 | -0.5771607 | 0.0906813310  | 0.210271400 |
| ## 110 | -0.35211950 | -0.094159584 | -0.5569683 | 0.0638122980  | 0.249896070 |
| ## 111 | -0.41974257 | -0.129153230 | -0.5831049 | 0.0600068100  | 0.370741180 |
| ## 112 | 0.07126498  | 0.080741014  | -0.3876161 | 0.1627839500  | 0.106270050 |
| ## 113 | -0.36068258 | -0.088967213 | -0.5581054 | -0.0838286690 | 0.301099390 |
| ## 114 | -0.81622450 | -0.132053540 | -0.5985464 | -0.1020120400 | 0.372381450 |
| ## 115 | -0.81622450 | -0.114566560 | -0.5782367 | 0.0249545220  | 0.316381600 |
| ## 116 | -0.64849678 | -0.143820460 | -0.5938658 | 0.0558343980  | 0.317464320 |
| ## 117 | -0.73899672 | -0.176352390 | -0.6310853 | -0.0776023710 | 0.422033100 |
| ## 118 | -0.73899672 | -0.198187390 | -0.6634286 | -0.1717672600 | 0.474153990 |
| ## 119 | -0.47087445 | -0.208456920 | -0.6618196 | -0.1845019500 | 0.535620940 |
| ## 120 | -0.48789051 | -0.245563500 | -0.6741713 | -0.1080032700 | 0.596488270 |
| ## 121 | -0.60413678 | -0.258947690 | -0.6852017 | -0.0328691110 | 0.543373960 |
| ## 122 | -0.60413678 | -0.188040210 | -0.6415998 | -0.1569317900 | 0.506241310 |
| ## 123 | -0.57303224 | -0.084250228 | -0.5750695 | -0.2764153500 | 0.383929590 |
| ## 124 | -0.63150123 | -0.102054540 | -0.5745745 | -0.1439263300 | 0.374663060 |
| ## 125 | -0.79157426 | -0.221462740 | -0.6395271 | -0.0004154508 | 0.530073630 |
| ## 126 | -0.69608266 | -0.380148630 | -0.7971985 | -0.3981533100 | 0.858032350 |
| ## 127 | -0.69608266 | -0.318154100 | -0.7351713 | -0.3656663800 | 0.839405080 |
| ## 128 | -0.51167478 | -0.034722567 | -0.4841068 | -0.0131464200 | 0.290821010 |
| ## 129 | -0.21415143 | -0.001720524 | -0.4810352 | -0.0787368310 | 0.163459880 |
| ## 130 | -0.50650484 | -0.207916610 | -0.6841617 | -0.3790813700 | 0.574299040 |
| ## 131 | -0.50650484 | 0.008441575  | -0.4760740 | -0.1959397800 | 0.180101800 |
| ## 132 | -0.23385172 | 0.069394797  | -0.4343591 | -0.3278661300 | 0.011496604 |
| ## 133 | 0.25833543  | -0.133609780 | -0.6395615 | -0.3786405300 | 0.459374500 |

|        |               |              |             |               |              |
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| ## 134 | -0.23252045   | -0.254896830 | -0.7148878  | -0.4384421600 | 0.687266600  |
| ## 135 | -0.41511202   | -0.066701101 | -0.5261745  | -0.1270768800 | 0.341379220  |
| ## 136 | -0.22145866   | -0.113039590 | -0.5782377  | -0.0732827080 | 0.475014130  |
| ## 137 | -0.72534632   | 0.131041710  | -0.3082706  | 0.1655678600  | 0.076594628  |
| ## 138 | -0.72534632   | 0.164313710  | -0.2749936  | 0.1094501000  | -0.004271337 |
| ## 139 | -0.31622974   | 0.030720346  | -0.4248735  | -0.1163597800 | 0.228028420  |
| ## 140 | -0.31622974   | 0.017206344  | -0.4203719  | -0.1225765100 | 0.327460540  |
| ## 141 | 0.26854702    | -0.008343083 | -0.4973893  | -0.4182222300 | 0.371837830  |
| ## 142 | -0.18115382   | -0.078489390 | -0.5883366  | -0.4942281300 | 0.435322840  |
| ## 143 | -0.54294186   | -0.104457920 | -0.5879299  | -0.0730570230 | 0.391117170  |
| ## 144 | -0.54294186   | -0.115798860 | -0.5868234  | -0.0866418470 | 0.324003210  |
| ## 145 | -0.44639763   | 0.110598560  | -0.3336105  | 0.2894843400  | 0.030122374  |
| ## 146 | -0.44639763   | 0.140530660  | -0.3137743  | 0.0709299810  | 0.057858910  |
| ## 147 | -0.32546927   | -0.014713381 | -0.4964254  | -0.1835616200 | 0.240101730  |
| ## 148 | -0.32546927   | -0.050395776 | -0.5323302  | -0.1931463800 | 0.278592280  |
| ## 149 | -0.17490851   | -0.095271912 | -0.6022162  | -0.4185594200 | 0.452824900  |
| ## 150 | -0.17490851   | -0.142730820 | -0.6414940  | -0.4978181100 | 0.625260400  |
| ## 151 | -0.98166536   | -0.217570190 | -0.6477778  | -0.0622817270 | 0.570433530  |
| ## 152 | -0.77148067   | -0.282302360 | -0.6938995  | -0.0125360030 | 0.563526510  |
| ## 153 | -0.73934821   | -0.050825995 | -0.4599594  | 0.2606022500  | 0.319835110  |
| ## 154 | -0.73146860   | 0.013820270  | -0.4312715  | -0.1183366700 | 0.406118820  |
| ## 155 | -0.67267890   | -0.161205300 | -0.6201690  | -0.2446775800 | 0.491530000  |
| ## 156 | -0.69451461   | -0.234503350 | -0.6608446  | -0.0553420030 | 0.488076490  |
| ## 157 | -0.69451461   | -0.214704210 | -0.6454200  | -0.1934207800 | 0.571844580  |
| ## 158 | -0.40209219   | -0.157705580 | -0.6046349  | -0.1597755800 | 0.509694820  |
| ## 159 | -0.63793816   | -0.217829070 | -0.6562860  | -0.0369949380 | 0.488076490  |
| ## 160 | -0.61701539   | -0.257769720 | -0.6708632  | 0.0687879200  | 0.541168250  |
| ## 161 | -0.44522532   | -0.004317202 | -0.4223814  | 0.0927356650  | 0.243555240  |
| ## 162 | -0.42185801   | 0.015006792  | -0.4321366  | -0.0802802740 | 0.218293520  |
| ## 163 | -0.71272543   | -0.198316510 | -0.6722416  | -0.3052424600 | 0.530868300  |
| ## 164 | -0.71272543   | -0.241127090 | -0.6895327  | -0.1776230000 | 0.561432720  |
| ## 165 | -0.65774031   | -0.216744920 | -0.6789290  | -0.2625193600 | 0.573092370  |
| ## 166 | -0.60482237   | -0.182911950 | -0.6596776  | -0.2477936100 | 0.495486220  |
| ## 167 | -0.63295660   | -0.294346770 | -0.7162023  | -0.0233923110 | 0.531602380  |
| ## 168 | -0.54942834   | -0.072142793 | -0.5602321  | -0.0139618090 | 0.115748710  |
| ## 169 | -0.75153833   | -0.201621080 | -0.6433962  | 0.1338854700  | 0.369115750  |
| ## 170 | -0.75153833   | -0.007828562 | -0.4208398  | 0.1860921400  | 0.211269600  |
| ## 171 | -0.08515727   | 0.018036168  | -0.4312437  | -0.1359806700 | 0.355739530  |
| ## 172 | -0.54673579   | -0.265857210 | -0.7166297  | -0.3788257300 | 0.692238770  |
| ## 173 | -0.54673579   | -0.316586040 | -0.7357316  | -0.3336160400 | 0.683813090  |
| ## 174 | -0.40524565   | -0.188701310 | -0.6501358  | -0.2468619600 | 0.514960460  |
| ## 175 | -0.01291505   | -0.162048980 | -0.6466120  | -0.3206881200 | 0.588486500  |
| ## 176 | -0.30064180   | -0.205894060 | -0.6769655  | -0.1494339000 | 0.539525150  |
| ## 177 | -0.89243506   | -0.883424990 | -0.9919555  | -0.8611511400 | 0.508740170  |
| ##     | NA            | NA           | NA          | NA            | NA           |
| ## 1   | 0.5725114200  | -0.738602190 | 0.212577760 | 0.4334049500  | -0.9942478   |
| ## 2   | -0.2253173800 | -0.017059623 | 0.155777240 | 0.0825752080  | -0.9951232   |
| ## 3   | -0.2268309300 | 0.059680819  | 0.061476177 | 0.0417021260  | -0.9934032   |
| ## 4   | -0.2019850100 | 0.054711916  | 0.110071560 | -0.0794225930 | -0.9955022   |
| ## 5   | -0.2369925700 | 0.093820007  | 0.023332720 | 0.0390389760  | -0.9958076   |

|       |               |              |              |               |            |
|-------|---------------|--------------|--------------|---------------|------------|
| ## 6  | -0.1726625300 | -0.007801159 | 0.095891245  | 0.0697559560  | -0.9952748 |
| ## 7  | -0.0992591220 | -0.091254239 | 0.196340640  | -0.0113179020 | -0.9937188 |
| ## 8  | -0.0535556390 | -0.126589960 | 0.227078400  | -0.0643883450 | -0.9942907 |
| ## 9  | -0.0936973880 | 0.062756526  | -0.110989530 | 0.1157817900  | -0.9958495 |
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| ## 11 | -0.0688815740 | -0.026641108 | 0.138314540  | -0.1429914100 | -0.9912612 |
| ## 12 | 0.3509023200  | -0.472024220 | 0.516623870  | -0.4154633400 | -0.9977610 |
| ## 13 | 0.2628139800  | -0.332948780 | 0.395177500  | -0.3984873700 | -0.9986015 |
| ## 14 | 0.2921354200  | -0.275355050 | 0.184877530  | -0.2097283700 | -0.9983345 |
| ## 15 | -0.1392244400 | -0.048703944 | -0.043866658 | 0.3411440300  | -0.9914491 |
| ## 16 | -0.2581495900 | 0.187301010  | -0.253422630 | 0.2989976100  | -0.9968019 |
| ## 17 | -0.1759099000 | 0.097815091  | -0.126262400 | 0.1627305300  | -0.9969056 |
| ## 18 | -0.0480305660 | -0.089795689 | 0.087035260  | 0.0540922700  | -0.9970015 |
| ## 19 | -0.0635739130 | -0.119038910 | 0.208811960  | -0.0453045700 | -0.9980807 |
| ## 20 | 0.0927706000  | -0.187528430 | 0.037083444  | 0.1644997300  | -0.9986959 |
| ## 21 | 0.4429120800  | -0.427578050 | 0.257022650  | -0.2249911300 | -0.9984329 |
| ## 22 | 0.4057724000  | -0.397953970 | 0.371947910  | -0.4447585100 | -0.9981884 |
| ## 23 | 0.3075529800  | -0.362035870 | 0.368370510  | -0.3334297500 | -0.9985293 |
| ## 24 | 0.4413230100  | -0.454993140 | 0.286861580  | -0.1788372600 | -0.9983214 |
| ## 25 | 0.3663655800  | -0.418274360 | 0.301189880  | -0.1717616300 | -0.9974098 |
| ## 26 | 0.2083755500  | -0.368599690 | 0.421278400  | -0.2223703600 | -0.9971719 |
| ## 27 | 0.2336613700  | -0.291873980 | 0.246456420  | -0.1645271400 | -0.9971742 |
| ## 28 | -0.6447100400 | 0.684799150  | -0.525701460 | 0.1605685300  | -0.9902348 |
| ## 29 | -0.1113254400 | -0.013050729 | 0.035322091  | 0.0437508900  | -0.9980877 |
| ## 30 | -0.1733813300 | 0.040671218  | 0.020874798  | 0.0405541060  | -0.9988625 |
| ## 31 | -0.7868637800 | 0.677759370  | -0.363357620 | 0.1659956500  | -0.9175591 |
| ## 32 | -0.7090899900 | 0.590791260  | -0.325477640 | 0.1898369700  | -0.8887884 |
| ## 33 | -0.2174539500 | 0.096247375  | -0.030694438 | 0.0753296150  | -0.9660986 |
| ## 34 | -0.2996303200 | 0.099986480  | 0.046009366  | 0.0780547310  | -0.9931470 |
| ## 35 | 0.3177442100  | -0.413029460 | 0.278758690  | -0.1117897300 | -0.9967949 |
| ## 36 | 0.7165125300  | -0.711304030 | 0.463080400  | -0.3787832200 | -0.9970314 |
| ## 37 | 0.6051562500  | -0.594977840 | 0.475762490  | -0.4745501900 | -0.9965865 |
| ## 38 | 0.5541918300  | -0.521697680 | 0.277838880  | -0.1558323200 | -0.9964865 |
| ## 39 | -0.2904921500 | 0.121092920  | -0.190699280 | 0.4273405900  | -0.9926913 |
| ## 40 | -0.4069102900 | 0.140566370  | -0.071655027 | 0.3780466100  | -0.9952965 |
| ## 41 | -0.2065079500 | -0.074240341 | 0.161168620  | 0.1646255100  | -0.9965889 |
| ## 42 | 0.2580214700  | -0.339710620 | 0.260101530  | -0.1621887500 | -0.9970724 |
| ## 43 | 0.2210044000  | -0.332444250 | 0.314751040  | -0.2057420100 | -0.9973482 |
| ## 44 | 0.0280027640  | -0.125603910 | 0.089333250  | -0.0002746892 | -0.9977953 |
| ## 45 | 0.3712415800  | -0.371178670 | 0.212568760  | -0.1938733700 | -0.9974850 |
| ## 46 | 0.4131156800  | -0.437426400 | 0.267307500  | -0.1655384800 | -0.9971289 |
| ## 47 | 0.3379965400  | -0.442461210 | 0.362800210  | -0.1780836100 | -0.9974587 |
| ## 48 | 0.3018968800  | -0.369585360 | 0.375402190  | -0.3239045100 | -0.9975804 |
| ## 49 | 0.2619098700  | -0.288699190 | 0.216035420  | -0.1777377500 | -0.9974714 |
| ## 50 | 0.3636796900  | -0.364030730 | 0.323056480  | -0.3724608100 | -0.9970611 |
| ## 51 | 0.0900738980  | -0.204048860 | 0.300335450  | -0.2308449300 | -0.9970486 |
| ## 52 | -0.4686190800 | 0.444442930  | -0.387646330 | 0.2365370100  | -0.9732644 |
| ## 53 | -0.2829867800 | 0.099806166  | -0.264996540 | 0.6083679400  | -0.9975084 |
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|        |               |              |              |               |            |
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| ## 56  | 0.0396890280  | -0.142276400 | 0.016237234  | 0.1590977800  | -0.9989408 |
| ## 57  | 0.1102906800  | -0.175193260 | 0.007333160  | 0.1370497000  | -0.9987064 |
| ## 58  | 0.2107220800  | -0.249465920 | -0.019469055 | 0.2129764600  | -0.9982823 |
| ## 59  | 0.3154342400  | -0.324008930 | 0.030681773  | 0.1475528400  | -0.9987554 |
| ## 60  | 0.2308778500  | -0.251354950 | 0.130587380  | -0.0673051570 | -0.9990628 |
| ## 61  | 0.2785966800  | -0.314165880 | 0.200952460  | -0.1098558900 | -0.9988674 |
| ## 62  | 0.5474716300  | -0.615861900 | 0.411790450  | -0.1830787700 | -0.9986479 |
| ## 63  | 0.4875093800  | -0.552766450 | 0.399415930  | -0.2227102000 | -0.9985391 |
| ## 64  | 0.2904780100  | -0.270053710 | 0.142085960  | -0.1666841100 | -0.9984094 |
| ## 65  | -0.4729580200 | 0.427750660  | -0.541503080 | 0.5733197700  | -0.9501847 |
| ## 66  | -0.2857782400 | 0.060031566  | -0.073962298 | 0.3740276600  | -0.9891264 |
| ## 67  | -0.7554837100 | 0.635201860  | -0.326867110 | 0.1791799500  | -0.8687560 |
| ## 68  | -0.7612240900 | 0.656430330  | -0.361249340 | 0.1935235200  | -0.8308079 |
| ## 69  | -0.6873164900 | 0.644763830  | -0.392033920 | 0.1220728500  | -0.9460804 |
| ## 70  | -0.2473250200 | 0.055668065  | 0.071166132  | 0.1101366200  | -0.8710263 |
| ## 71  | -0.3676584100 | 0.065948647  | 0.260219130  | -0.0441800940 | -0.6756277 |
| ## 72  | -0.2757316900 | -0.030634947 | 0.329297400  | -0.0925294470 | -0.7502360 |
| ## 73  | -0.6723556100 | 0.665116670  | -0.539322250 | 0.2996744600  | -0.9508217 |
| ## 74  | -0.2318373500 | 0.139052010  | -0.095643388 | 0.0936272270  | -0.9851478 |
| ## 75  | -0.1284891600 | 0.071303547  | -0.096895329 | 0.0867225010  | -0.9900837 |
| ## 76  | -0.0343832810 | -0.179763570 | 0.321143820  | -0.1626678600 | -0.9961971 |
| ## 77  | 0.2171014300  | -0.390308050 | 0.466768470  | -0.3079183300 | -0.9961236 |
| ## 78  | 0.2241356200  | -0.368759170 | 0.473875050  | -0.3764241900 | -0.9965365 |
| ## 79  | 0.1102777100  | -0.211774280 | 0.294424530  | -0.2624441500 | -0.4661497 |
| ## 80  | 0.1692098400  | -0.191863060 | 0.203545160  | -0.2563891600 | -0.3899198 |
| ## 81  | 0.2377205400  | -0.238541050 | 0.016162243  | 0.0845705400  | -0.3741507 |
| ## 82  | 0.2200043100  | -0.164962920 | 0.032214568  | -0.0919013040 | -0.2364741 |
| ## 83  | 0.3040239700  | -0.283233570 | 0.278475180  | -0.3693140300 | -0.2200966 |
| ## 84  | 0.3778543700  | -0.424344080 | 0.391251350  | -0.3261462400 | -0.3038356 |
| ## 85  | 0.3332631900  | -0.372070290 | 0.298804250  | -0.2346637000 | -0.3271154 |
| ## 86  | 0.3522469600  | -0.365193270 | 0.320186000  | -0.3276050200 | -0.3037392 |
| ## 87  | -0.0015879448 | -0.028831011 | 0.038606806  | -0.0801893920 | -0.4643463 |
| ## 88  | 0.3389116100  | -0.342785500 | 0.225593700  | -0.2024017500 | -0.3927762 |
| ## 89  | 0.3998946200  | -0.401307310 | 0.264796340  | -0.2258831100 | -0.3894135 |
| ## 90  | 0.3446112800  | -0.276106670 | 0.064704075  | -0.0942652900 | -0.3143304 |
| ## 91  | 0.4093374100  | -0.382967570 | 0.167466060  | -0.1055480700 | -0.2719825 |
| ## 92  | 0.4489782700  | -0.452591430 | 0.302608780  | -0.2326748000 | -0.2747823 |
| ## 93  | 0.4857837300  | -0.487285090 | 0.308916110  | -0.2287455500 | -0.2996404 |
| ## 94  | 0.3333438700  | -0.382219350 | 0.382005140  | -0.3526785200 | -0.2890987 |
| ## 95  | 0.1676252700  | -0.183488470 | 0.202027460  | -0.2475446300 | -0.2711544 |
| ## 96  | 0.2486790000  | -0.221202660 | 0.107267370  | -0.1231356100 | -0.2497903 |
| ## 97  | 0.3345886000  | -0.320303330 | 0.243922110  | -0.2630934100 | -0.2246535 |
| ## 98  | 0.1828984000  | -0.190526110 | 0.274275640  | -0.3979722200 | -0.3026735 |
| ## 99  | 0.1758363800  | -0.134456370 | 0.065365432  | -0.1746823800 | -0.2864583 |
| ## 100 | 0.0981124920  | -0.110370580 | 0.028677683  | -0.0127941680 | -0.3351580 |
| ## 101 | 0.3853058500  | -0.312563740 | 0.048237558  | -0.0248997770 | -0.2998284 |
| ## 102 | 0.6472179300  | -0.571153370 | 0.315449560  | -0.2845232800 | -0.1642771 |
| ## 103 | 0.6277197700  | -0.577467290 | 0.354736920  | -0.3122902500 | -0.2018006 |
| ## 104 | 0.3400368000  | -0.279806130 | 0.149981410  | -0.2214253500 | -0.2365622 |
| ## 105 | 0.3737736200  | -0.351639080 | 0.180699070  | -0.1394325300 | -0.2960481 |

|        |               |              |              |               |            |
|--------|---------------|--------------|--------------|---------------|------------|
| ## 106 | 0.3122898900  | -0.364411930 | 0.258788320  | -0.1308923200 | -0.3669457 |
| ## 107 | 0.3181158900  | -0.326224220 | 0.263648630  | -0.2559213100 | -0.2970367 |
| ## 108 | 0.2244100300  | -0.254278660 | 0.200570170  | -0.1661548400 | -0.2934721 |
| ## 109 | 0.1579912500  | -0.096071645 | -0.116198310 | 0.0953318000  | -0.2873888 |
| ## 110 | 0.1764440000  | -0.093966243 | -0.018781832 | -0.1231487600 | -0.2528806 |
| ## 111 | 0.1662692600  | -0.132385380 | 0.191351330  | -0.3865128400 | -0.2902064 |
| ## 112 | 0.3300184400  | -0.509097890 | 0.525613580  | -0.2685507100 | -0.2464726 |
| ## 113 | 0.4118207900  | -0.519217410 | 0.370930560  | -0.1089460200 | -0.3654577 |
| ## 114 | 0.3065880000  | -0.297821590 | 0.080190104  | 0.0133058400  | -0.3270002 |
| ## 115 | 0.2271024800  | -0.161189820 | 0.012657524  | -0.0901259800 | -0.2850545 |
| ## 116 | 0.3139555000  | -0.314450990 | 0.272949070  | -0.2999315200 | -0.2997406 |
| ## 117 | 0.3553759500  | -0.360145520 | 0.251289310  | -0.2158138000 | -0.3082006 |
| ## 118 | 0.3328679100  | -0.353665830 | 0.249781680  | -0.1937570700 | -0.3399016 |
| ## 119 | 0.2317840400  | -0.284436310 | 0.259401120  | -0.2067049200 | -0.3930977 |
| ## 120 | 0.0511785020  | -0.037065890 | -0.019045678 | -0.0322729170 | -0.4115426 |
| ## 121 | 0.1028534200  | -0.049216870 | -0.054529374 | -0.0416950180 | -0.4194320 |
| ## 122 | 0.0846742730  | -0.035667031 | -0.088968294 | 0.0144499250  | -0.3862723 |
| ## 123 | -0.0006939846 | 0.052533899  | -0.117099880 | -0.0279664180 | -0.3376773 |
| ## 124 | 0.0124441340  | -0.024445168 | 0.081220163  | -0.1961318900 | -0.3527251 |
| ## 125 | 0.0843075880  | -0.087770242 | 0.044230399  | -0.0601783420 | -0.3862431 |
| ## 126 | 0.4042089600  | -0.461408300 | 0.390876870  | -0.2546077800 | -0.4592824 |
| ## 127 | 0.5017454400  | -0.513210790 | 0.334300290  | -0.1368471100 | -0.3650609 |
| ## 128 | 0.4587296600  | -0.523499620 | 0.357382300  | -0.1347410000 | -0.2760745 |
| ## 129 | 0.2130753100  | -0.381068780 | 0.579998110  | -0.5067132100 | -0.3312103 |
| ## 130 | 0.1486328300  | -0.202005730 | 0.214793860  | -0.1909353100 | -0.3689840 |
| ## 131 | 0.3713714500  | -0.350437130 | 0.161269890  | -0.1242710700 | -0.2615177 |
| ## 132 | 0.4789258700  | -0.460127390 | 0.241278540  | -0.1802184500 | -0.3010377 |
| ## 133 | 0.3712086500  | -0.441161180 | 0.412939190  | -0.3316910500 | -0.4158176 |
| ## 134 | 0.3975083500  | -0.473480830 | 0.461828070  | -0.3459976300 | -0.3864044 |
| ## 135 | 0.5568321200  | -0.672101960 | 0.504068190  | -0.1473647300 | -0.2170654 |
| ## 136 | 0.3744105900  | -0.446775400 | 0.385726320  | -0.2041497100 | -0.2600991 |
| ## 137 | 0.2978683400  | -0.365320080 | 0.295859960  | -0.1683886500 | -0.2204020 |
| ## 138 | 0.1745022800  | -0.209667540 | 0.085115067  | 0.0207138790  | -0.1996211 |
| ## 139 | 0.3531376600  | -0.364620240 | 0.202480160  | -0.0900249720 | -0.1911278 |
| ## 140 | 0.3908172400  | -0.566054890 | 0.557571220  | -0.2639996600 | -0.2381760 |
| ## 141 | 0.2657627700  | -0.469213880 | 0.647069440  | -0.4743483300 | -0.2876153 |
| ## 142 | -0.0482945850 | 0.005794620  | 0.025955808  | -0.0576047300 | -0.3597811 |
| ## 143 | -0.0520855540 | -0.087254741 | 0.271113970  | -0.2195019600 | -0.3562477 |
| ## 144 | 0.1029985100  | -0.268169120 | 0.422531230  | -0.2805079300 | -0.3410245 |
| ## 145 | 0.4025170000  | -0.632013510 | 0.667648750  | -0.3290254000 | -0.2828309 |
| ## 146 | 0.4528254900  | -0.602944790 | 0.632959470  | -0.4405117300 | -0.1735035 |
| ## 147 | 0.2644879600  | -0.380826650 | 0.459599650  | -0.3780576300 | -0.3256857 |
| ## 148 | 0.1054454800  | -0.214366690 | 0.075761050  | 0.1772006700  | -0.3665851 |
| ## 149 | 0.1704800700  | -0.243822510 | 0.219966570  | -0.1350168000 | -0.3387479 |
| ## 150 | -0.0094806812 | -0.116439020 | 0.350041540  | -0.4004459700 | -0.4326069 |
| ## 151 | -0.4554252200 | 0.371053570  | -0.015494076 | -0.2293674700 | -0.5542681 |
| ## 152 | -0.3631387600 | 0.256644700  | 0.107798830  | -0.3095658700 | -0.5804087 |
| ## 153 | -0.3871948600 | 0.270548570  | -0.096989421 | 0.0541929210  | -0.6054311 |
| ## 154 | -0.4979861900 | 0.394730200  | -0.158171530 | 0.0354305860  | -0.5797910 |
| ## 155 | -0.5472447700 | 0.495231380  | -0.183280920 | -0.1033748300 | -0.5980851 |

|        |               |              |              |               |            |            |
|--------|---------------|--------------|--------------|---------------|------------|------------|
| ## 156 | -0.4885291500 | 0.426082870  | -0.232639330 | 0.0742688480  | -0.6287900 |            |
| ## 157 | -0.2800849000 | 0.214699580  | -0.023272067 | -0.1146765200 | -0.5606645 |            |
| ## 158 | -0.3139174700 | 0.263686270  | -0.052697931 | -0.1379932100 | -0.5511050 |            |
| ## 159 | -0.2451067400 | 0.106164780  | 0.236706820  | -0.3600209100 | -0.5670185 |            |
| ## 160 | -0.3605189800 | 0.185723990  | 0.227647500  | -0.3356607400 | -0.5621183 |            |
| ## 161 | -0.4592942000 | 0.306949660  | 0.009713063  | -0.1079745900 | -0.5394625 |            |
| ## 162 | -0.2945352400 | 0.164460030  | 0.041815293  | -0.0922943950 | -0.5823160 |            |
| ## 163 | -0.4070356600 | 0.323283910  | -0.054413872 | -0.1338654900 | -0.6527377 |            |
| ## 164 | -0.2801545700 | 0.184660620  | 0.045886299  | -0.1637658100 | -0.6225299 |            |
| ## 165 | -0.2539618800 | 0.137473250  | 0.072670444  | -0.1398507300 | -0.6471948 |            |
| ## 166 | -0.1838744600 | -0.066017970 | 0.453833560  | -0.4111795600 | -0.6716453 |            |
| ## 167 | -0.1977738200 | -0.016608335 | 0.334664650  | -0.2858737100 | -0.6742344 |            |
| ## 168 | -0.5065761100 | 0.478734350  | -0.432013270 | 0.3145679400  | -0.6690247 |            |
| ## 169 | -0.5021183100 | 0.453247430  | -0.294096450 | 0.1385013500  | -0.6377267 |            |
| ## 170 | -0.5540485700 | 0.512693830  | -0.382095590 | 0.2193389800  | -0.6125291 |            |
| ## 171 | -0.4210373800 | 0.361755280  | -0.351589050 | 0.3218801700  | -0.6326070 |            |
| ## 172 | -0.2621114300 | 0.207499870  | -0.119283930 | 0.0346509570  | -0.6469846 |            |
| ## 173 | -0.2768061000 | 0.208782430  | -0.121871530 | 0.0759933630  | -0.6599647 |            |
| ## 174 | -0.3911600600 | 0.352099790  | -0.275494550 | 0.1694939000  | -0.6268747 |            |
| ## 175 | -0.4341284300 | 0.405180610  | -0.284762320 | 0.1104320100  | -0.6556885 |            |
| ## 176 | -0.4020710000 | 0.302310390  | -0.012713278 | -0.1655499200 | -0.6701324 |            |
| ## 177 | 0.3744360400  | -0.575797070 | 0.347318950  | 0.1043175000  | -0.9884753 |            |
| ##     | NA            | NA           | NA           | NA            | NA         | NA         |
| ## 1   | -0.99136761   | -0.9931430   | -0.98893563  | -0.99348603   | -0.9942478 | -0.9999490 |
| ## 2   | -0.99610164   | -0.9958385   | -0.99654485  | -0.99200604   | -0.9951232 | -0.9999698 |
| ## 3   | -0.99509104   | -0.9948595   | -0.99535951  | -0.99765184   | -0.9934032 | -0.9999549 |
| ## 4   | -0.99526660   | -0.9953048   | -0.99535951  | -0.99765184   | -0.9955022 | -0.9999702 |
| ## 5   | -0.99525804   | -0.9963073   | -0.99238935  | -0.99219267   | -0.9958076 | -0.9999721 |
| ## 6   | -0.99520498   | -0.9960696   | -0.99238935  | -0.99275370   | -0.9952748 | -0.9999686 |
| ## 7   | -0.99526950   | -0.9949353   | -0.99628668  | -0.99275370   | -0.9937188 | -0.9999578 |
| ## 8   | -0.99521070   | -0.9950755   | -0.99628668  | -0.99232373   | -0.9942907 | -0.9999619 |
| ## 9   | -0.99558830   | -0.9958789   | -0.99556992  | -0.99232373   | -0.9958495 | -0.9999732 |
| ## 10  | -0.99073520   | -0.9907103   | -0.99266440  | -0.98974543   | -0.9897993 | -0.9999075 |
| ## 11  | -0.99034063   | -0.9904621   | -0.99266440  | -0.99347850   | -0.9912612 | -0.9999202 |
| ## 12  | -0.99781536   | -0.9976266   | -0.99857086  | -0.99347850   | -0.9977610 | -0.9999883 |
| ## 13  | -0.99915139   | -0.9989523   | -0.99935148  | -0.99094803   | -0.9986015 | -0.9999941 |
| ## 14  | -0.99915859   | -0.9992039   | -0.99854535  | -0.99835678   | -0.9983345 | -0.9999929 |
| ## 15  | -0.98971134   | -0.9901280   | -0.99087741  | -0.98947032   | -0.9914491 | -0.9999191 |
| ## 16  | -0.99809793   | -0.9981840   | -0.99794359  | -0.98947032   | -0.9968019 | -0.9999839 |
| ## 17  | -0.99779235   | -0.9979832   | -0.99733932  | -0.98870879   | -0.9969056 | -0.9999839 |
| ## 18  | -0.99768614   | -0.9977719   | -0.99733932  | -0.99619464   | -0.9970015 | -0.9999842 |
| ## 19  | -0.99848741   | -0.9984959   | -0.99826853  | -0.99619464   | -0.9980807 | -0.9999909 |
| ## 20  | -0.99967043   | -0.9995513   | -0.99937305  | -0.99508798   | -0.9986959 | -0.9999951 |
| ## 21  | -0.99918860   | -0.9991135   | -0.99905473  | -0.99366851   | -0.9984329 | -0.9999934 |
| ## 22  | -0.99867706   | -0.9985339   | -0.99905473  | -0.99366851   | -0.9981884 | -0.9999916 |
| ## 23  | -0.99891331   | -0.9988192   | -0.99913146  | -0.99191487   | -0.9985293 | -0.9999934 |
| ## 24  | -0.99893826   | -0.9990340   | -0.99863704  | -0.99191487   | -0.9983214 | -0.9999926 |
| ## 25  | -0.99890363   | -0.9989063   | -0.99863704  | -0.98850940   | -0.9974098 | -0.9999883 |
| ## 26  | -0.99868261   | -0.9985012   | -0.99857415  | -0.98812820   | -0.9971719 | -0.9999868 |
| ## 27  | -0.99829940   | -0.9981975   | -0.99794746  | -0.99544543   | -0.9971742 | -0.9999862 |

|       |             |            |             |             |            |            |
|-------|-------------|------------|-------------|-------------|------------|------------|
| ## 28 | -0.98011390 | -0.9834393 | -0.98229709 | -0.99107502 | -0.9902348 | -0.9998490 |
| ## 29 | -0.99875192 | -0.9987556 | -0.99826521 | -0.99474147 | -0.9980877 | -0.9999913 |
| ## 30 | -0.99918640 | -0.9991389 | -0.99934318 | -0.99731581 | -0.9988625 | -0.9999952 |
| ## 31 | -0.83220576 | -0.8249708 | -0.87551242 | -0.99731581 | -0.9175591 | -0.9924592 |
| ## 32 | -0.85172027 | -0.8543253 | -0.87551242 | -0.99329070 | -0.8887884 | -0.9914815 |
| ## 33 | -0.94714080 | -0.9511167 | -0.94049869 | -0.99286396 | -0.9660986 | -0.9989674 |
| ## 34 | -0.98932118 | -0.9909509 | -0.98641700 | -0.99286396 | -0.9931470 | -0.9999319 |
| ## 35 | -0.99571251 | -0.9965262 | -0.99572442 | -0.99042252 | -0.9967949 | -0.9999789 |
| ## 36 | -0.99591487 | -0.9968687 | -0.99521044 | -0.99271209 | -0.9970314 | -0.9999807 |
| ## 37 | -0.99598442 | -0.9965394 | -0.99521044 | -0.99271209 | -0.9965865 | -0.9999784 |
| ## 38 | -0.99617057 | -0.9964699 | -0.99545361 | -0.99398167 | -0.9964865 | -0.9999783 |
| ## 39 | -0.99356814 | -0.9938155 | -0.99235043 | -0.98349555 | -0.9926913 | -0.9999448 |
| ## 40 | -0.99563264 | -0.9964689 | -0.99505336 | -0.98761012 | -0.9952965 | -0.9999698 |
| ## 41 | -0.99663743 | -0.9969307 | -0.99666076 | -0.99079221 | -0.9965889 | -0.9999799 |
| ## 42 | -0.99584487 | -0.9962206 | -0.99666076 | -0.99500827 | -0.9970724 | -0.9999807 |
| ## 43 | -0.99701870 | -0.9972691 | -0.99700225 | -0.99500827 | -0.9973482 | -0.9999847 |
| ## 44 | -0.99844111 | -0.9985040 | -0.99835906 | -0.99227633 | -0.9977953 | -0.9999895 |
| ## 45 | -0.99754577 | -0.9980597 | -0.99613521 | -0.99179903 | -0.9974850 | -0.9999864 |
| ## 46 | -0.99714750 | -0.9977097 | -0.99613521 | -0.99179903 | -0.9971289 | -0.9999839 |
| ## 47 | -0.99810576 | -0.9983616 | -0.99748155 | -0.98819650 | -0.9974587 | -0.9999873 |
| ## 48 | -0.99822544 | -0.9982730 | -0.99719212 | -0.99596060 | -0.9975804 | -0.9999881 |
| ## 49 | -0.99793913 | -0.9979759 | -0.99719212 | -0.99596060 | -0.9974714 | -0.9999871 |
| ## 50 | -0.99769576 | -0.9976692 | -0.99786299 | -0.99519529 | -0.9970611 | -0.9999846 |
| ## 51 | -0.99682107 | -0.9969715 | -0.99745405 | -0.99158318 | -0.9970486 | -0.9999828 |
| ## 52 | -0.94034612 | -0.9473641 | -0.94909332 | -0.98697113 | -0.9732644 | -0.9990062 |
| ## 53 | -0.99865538 | -0.9988011 | -0.99811244 | -0.99076240 | -0.9975084 | -0.9999884 |
| ## 54 | -0.99842692 | -0.9985412 | -0.99811244 | -0.99149975 | -0.9977556 | -0.9999893 |
| ## 55 | -0.99869506 | -0.9986784 | -0.99881622 | -0.99437824 | -0.9983250 | -0.9999923 |
| ## 56 | -0.99912404 | -0.9993182 | -0.99848779 | -0.99437824 | -0.9989408 | -0.9999954 |
| ## 57 | -0.99919122 | -0.9993254 | -0.99848779 | -0.99435866 | -0.9987064 | -0.9999945 |
| ## 58 | -0.99872606 | -0.9989598 | -0.99728056 | -0.99274152 | -0.9982823 | -0.9999921 |
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| ## 60 | -0.99933286 | -0.9991582 | -0.99905074 | -0.99553895 | -0.9990628 | -0.9999961 |
| ## 61 | -0.99923411 | -0.9990961 | -0.99913103 | -0.99553895 | -0.9988674 | -0.9999952 |
| ## 62 | -0.99869226 | -0.9990608 | -0.99748058 | -0.99516919 | -0.9986479 | -0.9999936 |
| ## 63 | -0.99862726 | -0.9989179 | -0.99748058 | -0.99086618 | -0.9985391 | -0.9999931 |
| ## 64 | -0.99873700 | -0.9987566 | -0.99816935 | -0.98969026 | -0.9984094 | -0.9999927 |
| ## 65 | -0.91945032 | -0.9246231 | -0.93733670 | -0.98404316 | -0.9501847 | -0.9978022 |
| ## 66 | -0.98723543 | -0.9889398 | -0.98505342 | -0.98939341 | -0.9891264 | -0.9998839 |
| ## 67 | -0.69583753 | -0.7469955 | -0.68333473 | -0.98939341 | -0.8687560 | -0.9776995 |
| ## 68 | -0.71704468 | -0.7765121 | -0.68333473 | -0.87504519 | -0.8308079 | -0.9757178 |
| ## 69 | -0.92582469 | -0.9385506 | -0.92053607 | -0.96932533 | -0.9460804 | -0.9978131 |
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| ## 71 | -0.53941555 | -0.6089275 | -0.61052195 | -0.87732288 | -0.6756277 | -0.9261050 |
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| ## 73 | -0.89968023 | -0.9134590 | -0.91775065 | -0.99020751 | -0.9508217 | -0.9972045 |
| ## 74 | -0.98501114 | -0.9868711 | -0.98609699 | -0.98593376 | -0.9851478 | -0.9998229 |
| ## 75 | -0.98434630 | -0.9864463 | -0.98609699 | -0.99298573 | -0.9900837 | -0.9998771 |
| ## 76 | -0.99682330 | -0.9969529 | -0.99727834 | -0.99298573 | -0.9961971 | -0.9999781 |
| ## 77 | -0.99674240 | -0.9968031 | -0.99717127 | -0.99258315 | -0.9961236 | -0.9999775 |



|        |             |            |             |             |            |            |
|--------|-------------|------------|-------------|-------------|------------|------------|
| ## 78  | -0.99682352 | -0.9968190 | -0.99687958 | -0.99069092 | -0.9965365 | -0.9999800 |
| ## 79  | -0.43365401 | -0.4757336 | -0.46833824 | -0.59944186 | -0.4661497 | -0.8443428 |
| ## 80  | -0.43898407 | -0.4825932 | -0.48749004 | -0.76484791 | -0.3899198 | -0.8146959 |
| ## 81  | -0.41803191 | -0.4826810 | -0.44653953 | -0.76484791 | -0.3741507 | -0.8037966 |
| ## 82  | -0.22944178 | -0.3055795 | -0.23938684 | -0.53265475 | -0.2364741 | -0.6935254 |
| ## 83  | -0.21277224 | -0.2894471 | -0.23938684 | -0.70597466 | -0.2200966 | -0.6802696 |
| ## 84  | -0.37442998 | -0.4215599 | -0.38123606 | -0.70597466 | -0.3038356 | -0.7622425 |
| ## 85  | -0.42371876 | -0.4374817 | -0.41473670 | -0.54804284 | -0.3271154 | -0.7834507 |
| ## 86  | -0.37066839 | -0.3871146 | -0.32041100 | -0.63652429 | -0.3037392 | -0.7613974 |
| ## 87  | -0.46330737 | -0.5136378 | -0.43962213 | -0.51484620 | -0.4643463 | -0.8491970 |
| ## 88  | -0.43292775 | -0.4659781 | -0.43962213 | -0.82360017 | -0.3927762 | -0.8147625 |
| ## 89  | -0.46969061 | -0.4850978 | -0.51677359 | -0.82360017 | -0.3894135 | -0.8201475 |
| ## 90  | -0.41836589 | -0.4663177 | -0.43879456 | -0.23456612 | -0.3143304 | -0.7763026 |
| ## 91  | -0.35678785 | -0.4100591 | -0.40875694 | -0.51087945 | -0.2719825 | -0.7425319 |
| ## 92  | -0.28557360 | -0.3102997 | -0.34082759 | -0.77540209 | -0.2747823 | -0.7276227 |
| ## 93  | -0.34351191 | -0.3789516 | -0.34082759 | -0.77540209 | -0.2996404 | -0.7534854 |
| ## 94  | -0.35180971 | -0.4150689 | -0.24198396 | -0.79996123 | -0.2890987 | -0.7500916 |
| ## 95  | -0.29102630 | -0.3464810 | -0.24198396 | -0.79996123 | -0.2711544 | -0.7270822 |
| ## 96  | -0.25113264 | -0.2906401 | -0.31393076 | -0.65849491 | -0.2497903 | -0.7061662 |
| ## 97  | -0.19401136 | -0.2490806 | -0.23557646 | -0.65849491 | -0.2246535 | -0.6777090 |
| ## 98  | -0.30304085 | -0.3617147 | -0.23557646 | -0.55089401 | -0.3026735 | -0.7457179 |
| ## 99  | -0.38555145 | -0.4305407 | -0.30931335 | -0.07198991 | -0.2864583 | -0.7559727 |
| ## 100 | -0.44745156 | -0.4575256 | -0.52121615 | -0.58776977 | -0.3351580 | -0.7917606 |
| ## 101 | -0.31259403 | -0.3579630 | -0.37683202 | -0.58776977 | -0.2998284 | -0.7465564 |
| ## 102 | -0.12044922 | -0.1598875 | -0.24798729 | -0.54293385 | -0.1642771 | -0.6226498 |
| ## 103 | -0.16298274 | -0.1987165 | -0.24798729 | -0.64122359 | -0.2018006 | -0.6564835 |
| ## 104 | -0.25478179 | -0.2787589 | -0.24499781 | -0.64122359 | -0.2365622 | -0.7000601 |
| ## 105 | -0.29858896 | -0.3439405 | -0.24499781 | -0.57676476 | -0.2960481 | -0.7414062 |
| ## 106 | -0.42317337 | -0.4389750 | -0.52520785 | -0.57676476 | -0.3669457 | -0.8016170 |
| ## 107 | -0.34890167 | -0.3506578 | -0.46101920 | -0.52001108 | -0.2970367 | -0.7533936 |
| ## 108 | -0.36498378 | -0.3828990 | -0.46101920 | -0.70013949 | -0.2934721 | -0.7551254 |
| ## 109 | -0.36668668 | -0.3954269 | -0.41790924 | -0.70013949 | -0.2873888 | -0.7524595 |
| ## 110 | -0.30844168 | -0.3640228 | -0.17648149 | -0.65557123 | -0.2528806 | -0.7217359 |
| ## 111 | -0.31878729 | -0.3833792 | -0.17648149 | -0.83951549 | -0.2902064 | -0.7432252 |
| ## 112 | -0.30047131 | -0.3020555 | -0.42021217 | -0.74806579 | -0.2464726 | -0.7164875 |
| ## 113 | -0.41555168 | -0.4372468 | -0.42021217 | -0.74806579 | -0.3654577 | -0.7994575 |
| ## 114 | -0.36998523 | -0.4195357 | -0.29826516 | -0.50274845 | -0.3270002 | -0.7724371 |
| ## 115 | -0.35491730 | -0.4012579 | -0.29826516 | -0.12845474 | -0.2850545 | -0.7487464 |
| ## 116 | -0.33627652 | -0.3742995 | -0.33750506 | -0.71421672 | -0.2997406 | -0.7519204 |
| ## 117 | -0.35804112 | -0.3746078 | -0.33750506 | -0.71421672 | -0.3082006 | -0.7608585 |
| ## 118 | -0.43255374 | -0.4160230 | -0.56273100 | -0.24534523 | -0.3399016 | -0.7911461 |
| ## 119 | -0.41091453 | -0.4400816 | -0.30446708 | -0.58855934 | -0.3930977 | -0.8105957 |
| ## 120 | -0.40542066 | -0.4599458 | -0.30446708 | -0.58855934 | -0.4115426 | -0.8172464 |
| ## 121 | -0.43451248 | -0.4893624 | -0.39659452 | -0.46212756 | -0.4194320 | -0.8261961 |
| ## 122 | -0.39916334 | -0.4558703 | -0.39799764 | -0.44870602 | -0.3862723 | -0.8053033 |
| ## 123 | -0.43977564 | -0.4806954 | -0.42074759 | -0.03824192 | -0.3376773 | -0.7914903 |
| ## 124 | -0.48100763 | -0.4995918 | -0.49666447 | -0.45032638 | -0.3527251 | -0.8059408 |
| ## 125 | -0.34081800 | -0.4011230 | -0.19312800 | -0.45032638 | -0.3862431 | -0.7928637 |
| ## 126 | -0.47554454 | -0.5113398 | -0.45875480 | -0.80861246 | -0.4592824 | -0.8494764 |
| ## 127 | -0.22428234 | -0.3682746 | -0.04411328 | -0.80861246 | -0.3650609 | -0.7553195 |

## 128 -0.11145682 -0.2318734 -0.04411328 -0.12370331 -0.2760745 -0.6811493  
## 129 -0.34730564 -0.3955893 -0.38878901 -0.52183655 -0.3312103 -0.7695041  
## 130 -0.52355150 -0.5445867 -0.54539659 -0.52183655 -0.3689840 -0.8204108  
## 131 -0.29158374 -0.3526181 -0.40945698 -0.32117453 -0.2615177 -0.7222521  
## 132 -0.23241768 -0.2912294 -0.40220369 -0.32117453 -0.3010377 -0.7274439  
## 133 -0.43280411 -0.4827977 -0.40220369 -0.25571854 -0.4158176 -0.8243887  
## 134 -0.37454225 -0.4330576 -0.32641025 -0.14562224 -0.3864044 -0.8002558  
## 135 -0.03628165 -0.1998819 -0.04815043 -0.36528021 -0.2170654 -0.6264406  
## 136 -0.17484412 -0.2743413 -0.03225767 -0.36528021 -0.2600991 -0.6912792  
## 137 -0.07587671 -0.2280617 0.09364587 -0.31980867 -0.2204020 -0.6408853  
## 138 -0.13917226 -0.2382228 0.09364587 -0.76199932 -0.1996211 -0.6484360  
## 139 -0.12381434 -0.2165506 -0.01955260 -0.76199932 -0.1911278 -0.6391374  
## 140 -0.17961948 -0.2866766 -0.01955260 -0.43315073 -0.2381760 -0.6810512  
## 141 -0.38310075 -0.4216054 -0.34930599 -0.48434124 -0.2876153 -0.7560418  
## 142 -0.43825071 -0.4671093 -0.34930599 -0.64193860 -0.3597811 -0.8013151  
## 143 -0.46677784 -0.4904752 -0.52003551 -0.12752761 -0.3562477 -0.8050051  
## 144 -0.41175141 -0.4275708 -0.52003551 -0.42866873 -0.3410245 -0.7876007  
## 145 -0.23500523 -0.3105081 -0.15239893 -0.42866873 -0.2828309 -0.7190612  
## 146 -0.15995657 -0.2276919 -0.15239893 -0.20288466 -0.1735035 -0.6394984  
## 147 -0.32514533 -0.3991322 -0.25942122 -0.58624557 -0.3256857 -0.7619263  
## 148 -0.40408907 -0.4651290 -0.40957862 -0.58624557 -0.3665851 -0.7976720  
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## 150 -0.53436189 -0.5639279 -0.51833078 -0.28887679 -0.4326069 -0.8489364  
## 151 -0.57058347 -0.5921688 -0.61769217 -0.59087644 -0.5542681 -0.8978135  
## 152 -0.60924570 -0.6173832 -0.66571081 -0.59333132 -0.5804087 -0.9111616  
## 153 -0.64489902 -0.6557122 -0.63642718 -0.59333132 -0.6054311 -0.9228581  
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## 155 -0.59631013 -0.6472644 -0.58149652 -0.66056419 -0.5980851 -0.9145417  
## 156 -0.63693073 -0.6752228 -0.58149652 -0.80143921 -0.6287900 -0.9282018  
## 157 -0.56945972 -0.5894656 -0.58002110 -0.80143921 -0.5606645 -0.8996450  
## 158 -0.56765074 -0.5871581 -0.58002110 -0.68870771 -0.5511050 -0.8963881  
## 159 -0.68193484 -0.6825226 -0.65780833 -0.52147851 -0.5670185 -0.9158783  
## 160 -0.66371950 -0.6796330 -0.65780833 -0.44423336 -0.5621183 -0.9123503  
## 161 -0.63602302 -0.6503377 -0.63963607 -0.55310757 -0.5394625 -0.9018866  
## 162 -0.65009120 -0.6653728 -0.63963607 -0.95189486 -0.5823160 -0.9168558  
## 163 -0.72668504 -0.7290446 -0.75454624 -0.95189486 -0.6527377 -0.9439808  
## 164 -0.68036371 -0.6954556 -0.66160838 -0.48929859 -0.6225299 -0.9315795  
## 165 -0.71542311 -0.7418405 -0.66160838 -0.48929859 -0.6471948 -0.9415410  
## 166 -0.74889161 -0.7811653 -0.67988279 -0.55937357 -0.6716453 -0.9504791  
## 167 -0.71214465 -0.7436027 -0.67988279 -0.77149940 -0.6742344 -0.9477089  
## 168 -0.74512567 -0.7420810 -0.72939952 -0.63958060 -0.6690247 -0.9495436  
## 169 -0.63689422 -0.6686490 -0.61371018 -0.71934742 -0.6377267 -0.9305125  
## 170 -0.62212411 -0.6478764 -0.61371018 -0.71934742 -0.6125291 -0.9219856  
## 171 -0.69975664 -0.7008427 -0.74172723 -0.53648483 -0.6326070 -0.9362722  
## 172 -0.68564471 -0.6925978 -0.71743042 -0.78110876 -0.6469846 -0.9384578  
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## 174 -0.67831737 -0.6925029 -0.63530759 -0.81895727 -0.6268747 -0.9325082  
## 175 -0.69917633 -0.6982212 -0.73362124 -0.81895727 -0.6556885 -0.9420171  
## 176 -0.67684454 -0.6983058 -0.67141849 -0.72976659 -0.6701324 -0.9430931  
## 177 -0.98548228 -0.9885373 -0.98100605 -0.98872575 -0.9884753 -0.9998669

| ##    | NA          | NA          | NA          | NA            | NA             |
|-------|-------------|-------------|-------------|---------------|----------------|
| NA    |             |             |             |               |                |
| ## 1  | -0.9945472  | -0.61976763 | 0.292840490 | -0.1768892000 | -0.145779210 - |
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| ## 2  | -0.9948192  | -0.73072160 | 0.209334130 | -0.1781125600 | -0.103084330 - |
|       | 0.043823965 |             |             |               |                |
| ## 3  | -0.9939883  | -0.66291363 | 0.328031460 | -0.1545600100 | -0.220587120 - |
|       | 0.107514160 |             |             |               |                |
| ## 4  | -0.9950011  | -0.68301625 | 0.595371270 | -0.2645687700 | -0.315723000 - |
|       | 0.163825530 |             |             |               |                |
| ## 5  | -0.9964837  | -0.72017068 | 0.331858440 | -0.2605620300 | -0.145664640 - |
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| ## 7  | -0.9936228  | -0.68125693 | 0.264598000 | -0.2548618000 | 0.202742470 -  |
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| ## 8  | -0.9942044  | -0.64591615 | 0.326716910 | -0.3293826400 | 0.233694340 -  |
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| ## 9  | -0.9963229  | -0.68701641 | 0.480209580 | -0.2585176900 | -0.007453049 - |
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| ## 10 | -0.9896253  | -0.46620434 | 0.548098420 | -0.3291289700 | -0.249580360 - |
|       | 0.081848717 |             |             |               |                |
| ## 11 | -0.9892153  | -0.47100223 | 0.571770350 | -0.3492704200 | -0.171442940 - |
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| ## 12 | -0.9970826  | -0.81085833 | 0.489947250 | -0.4578070400 | 0.236660130 -  |
|       | 0.325850540 |             |             |               |                |
| ## 13 | -0.9985016  | -0.90271132 | 0.762638100 | -0.5378084300 | -0.087643077 - |
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| ## 14 | -0.9991278  | -0.89471020 | 0.829742890 | -0.3582460500 | -0.223429850 - |
|       | 0.442788570 |             |             |               |                |
| ## 15 | -0.9914879  | -0.46685721 | 0.593403830 | -0.2795609100 | -0.244477960 - |
|       | 0.221518500 |             |             |               |                |
| ## 16 | -0.9982958  | -0.80907846 | 0.680049030 | -0.4324071700 | -0.062888979 - |
|       | 0.287387640 |             |             |               |                |
| ## 17 | -0.9980217  | -0.83107741 | 0.525129070 | -0.3560418100 | 0.227760710 -  |
|       | 0.540178060 |             |             |               |                |
| ## 18 | -0.9978290  | -0.79485167 | 0.416371880 | -0.4133682400 | 0.250796860 -  |
|       | 0.325871400 |             |             |               |                |
| ## 19 | -0.9989592  | -0.84878249 | 0.592809430 | -0.6300118100 | -0.059032547   |
|       | 0.151145850 |             |             |               |                |
| ## 20 | -0.9994095  | -0.97273065 | 0.675475020 | -0.4200803400 | -0.084506646 - |
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| ## 22 | -0.9982525  | -0.88244203 | 0.648972820 | -0.3501048900 | 0.015119297 -  |
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| ## 24 | -0.9989830  | -0.89522431 | 0.572151830 | -0.3355028600 | -0.027097284 - |
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## 25 -0.9988831 -0.92143519 0.640256030 -0.3318804300 0.011379664 -  
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## 26 -0.9977693 -0.85931236 0.625973610 -0.2638289600 0.010080229 -  
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## 27 -0.9976921 -0.80252264 0.711288200 -0.3925817000 0.040406020 -  
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## 38 -0.9970946 -0.70424641 0.497238620 -0.5440513400 0.051459258  
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## 39 -0.9943148 -0.60818449 0.329508760 -0.2854550300 -0.029594524 -  
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## 46 -0.9982789 -0.81292135 0.415439560 -0.5120544800 -0.043446563  
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## 47 -0.9987689 -0.85347717 0.375308750 -0.3710452300 -0.077855993  
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## 48 -0.9984136 -0.82850587 0.450086680 -0.3055085900 -0.416207740  
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## 49 -0.9979655 -0.83637808 0.542836380 -0.3360755400 -0.390177880  
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## 50 -0.9979501 -0.85165359 0.464211870 -0.3784115800 -0.175538830  
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## 51 -0.9977822 -0.78321354 -0.009301548 -0.1047784100 0.005498351 -  
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## 52 -0.9687791 -0.17361075 0.343501460 -0.1787035300 -0.415794960  
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## 53 -0.9988653 -0.88381988 0.565948130 -0.2983362100 -0.143750770 -  
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## 56 -0.9995794 -0.92378785 0.701329870 -0.3313098500 -0.076652057 -  
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## 57 -0.9991924 -0.90390911 0.569919230 -0.3313765100 0.119034970 -  
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## 58 -0.9991071 -0.87767245 0.428943380 -0.2848827000 0.122154890 -  
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## 59 -0.9985916 -0.88857593 0.391464370 -0.2294811900 0.085689206 -  
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| ##    | NA           | NA            | NA          | NA           | NA            |
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| ## 4  | -0.995490620 | -0.9835697200 | -0.99107978 | -0.996312110 | -0.9832443700 |
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| ## 58 | -0.994037290 | -0.9923765500 | -0.99333595 | -0.994497390 | -0.9956765700 |
| ## 59 | -0.995690540 | -0.9925955100 | -0.99203037 | -0.996815730 | -0.9942085800 |
| ## 60 | -0.995293950 | -0.9897473300 | -0.99107413 | -0.996749390 | -0.9930936500 |
| ## 61 | -0.993074210 | -0.9887966600 | -0.99237312 | -0.995641170 | -0.9918477700 |
| ## 62 | -0.994804160 | -0.9938037300 | -0.99248491 | -0.995776760 | -0.9957850600 |
| ## 63 | -0.995180200 | -0.9938824500 | -0.99360666 | -0.996580880 | -0.9964224800 |
| ## 64 | -0.993545860 | -0.9939895000 | -0.99425916 | -0.996098440 | -0.9960855400 |
| ## 65 | -0.668604420 | -0.7896379800 | -0.73499812 | -0.658253240 | -0.6965821000 |
| ## 66 | -0.974986790 | -0.9541017800 | -0.97750397 | -0.953116510 | -0.8950186800 |
| ## 67 | -0.741759730 | -0.3704741800 | -0.54169783 | -0.597924080 | -0.1578801500 |
| ## 68 | -0.782548020 | -0.3530276500 | -0.58238308 | -0.593623410 | -0.0820212340 |
| ## 69 | -0.826827650 | -0.8045476600 | -0.71690557 | -0.795287660 | -0.7286633600 |
| ## 70 | -0.777640420 | -0.6564147400 | -0.74389472 | -0.747737720 | -0.6570983700 |
| ## 71 | -0.621679460 | 0.2631996500  | -0.25634415 | -0.590777180 | 0.5628890300  |
| ## 72 | -0.608389220 | 0.0290286610  | -0.31756454 | -0.591637890 | -0.0424261010 |
| ## 73 | -0.906118270 | -0.3876160400 | -0.72773664 | -0.925607660 | 0.1888508500  |
| ## 74 | -0.975908390 | -0.6846349700 | -0.98198090 | -0.977881260 | -0.5687337400 |
| ## 75 | -0.981763250 | -0.9323466500 | -0.98938688 | -0.987560860 | -0.8858831000 |
| ## 76 | -0.993567560 | -0.9832153400 | -0.99346289 | -0.996532590 | -0.9782760700 |
| ## 77 | -0.992306580 | -0.9881730300 | -0.99393740 | -0.995796690 | -0.9857358000 |
| ## 78 | -0.991416080 | -0.9884550700 | -0.99336390 | -0.993908790 | -0.9904275800 |
| ## 79 | -0.260904910 | -0.1225668000 | -0.33121596 | -0.356707010 | -0.1995671900 |
| ## 80 | -0.151115250 | -0.0290499670 | -0.25730713 | -0.262197270 | -0.0238578470 |
| ## 81 | -0.230407370 | 0.0254268520  | -0.37731132 | -0.293522340 | -0.0576931730 |
| ## 82 | -0.151322880 | 0.1952672000  | -0.32123865 | -0.263125570 | 0.0878553160  |
| ## 83 | -0.225803630 | 0.1102884800  | -0.20488317 | -0.226802270 | 0.1188010600  |
| ## 84 | -0.290428680 | 0.0578222830  | -0.24835735 | -0.199970710 | -0.0620991190 |
| ## 85 | -0.163562170 | -0.0416276980 | -0.25329234 | -0.263476930 | 0.0085179170  |
| ## 86 | -0.187773140 | -0.0046568174 | -0.26867150 | -0.271723760 | 0.0194942470  |
| ## 87 | -0.274906800 | -0.0623495620 | -0.31909457 | -0.386570780 | -0.0559098780 |
| ## 88 | -0.236244590 | 0.1085277100  | -0.27465450 | -0.273649080 | 0.0423823330  |
| ## 89 | -0.205110720 | -0.0429373140 | -0.33885732 | -0.283723780 | -0.0006035845 |
| ## 90 | -0.170747700 | 0.0185981100  | -0.35554991 | -0.267590100 | 0.0333544000  |
| ## 91 | -0.197113140 | -0.0582798260 | -0.25261291 | -0.202420930 | 0.1516668900  |
| ## 92 | -0.236662930 | 0.0957696160  | -0.16416393 | -0.143264790 | 0.1631943500  |
| ## 93 | -0.213766970 | 0.1882365000  | -0.22944501 | -0.206270660 | 0.1810332400  |

|        |              |               |             |              |               |
|--------|--------------|---------------|-------------|--------------|---------------|
| ## 94  | -0.140082100 | 0.1818073400  | -0.30269727 | -0.254565650 | 0.0891287600  |
| ## 95  | -0.160441560 | 0.1176680900  | -0.29040059 | -0.223924650 | 0.0296300750  |
| ## 96  | -0.145907500 | 0.1165576300  | -0.26081978 | -0.293129490 | 0.0704857480  |
| ## 97  | -0.217238270 | 0.1598667100  | -0.29537396 | -0.339973740 | 0.0756000860  |
| ## 98  | -0.199532050 | 0.0220322110  | -0.32765269 | -0.440571160 | -0.0207286370 |
| ## 99  | -0.139067240 | 0.1196943900  | -0.27105874 | -0.201562900 | 0.0802205240  |
| ## 100 | -0.042235154 | 0.0192724380  | -0.28011376 | -0.140573120 | 0.0876268760  |
| ## 101 | -0.101608180 | -0.0378948690 | -0.37123480 | -0.154684070 | 0.0114049760  |
| ## 102 | -0.101386690 | 0.1414767500  | -0.27903807 | -0.200368710 | 0.1562948400  |
| ## 103 | -0.225387500 | 0.2631908000  | -0.28012234 | -0.241885910 | 0.1237494400  |
| ## 104 | -0.200940010 | 0.2820922700  | -0.29508969 | -0.272283510 | 0.1828646600  |
| ## 105 | -0.173248850 | 0.2344523800  | -0.22498748 | -0.253568820 | 0.0856815750  |
| ## 106 | -0.170905540 | 0.0037015146  | -0.35903494 | -0.208988100 | -0.0720510010 |
| ## 107 | -0.171941180 | 0.1527012300  | -0.27350035 | -0.209450910 | 0.0523678830  |
| ## 108 | -0.160954510 | 0.2504374500  | -0.27857550 | -0.283635840 | 0.2415374600  |
| ## 109 | -0.238354250 | 0.2891861100  | -0.32518854 | -0.288447040 | 0.1615510400  |
| ## 110 | -0.164395150 | 0.1065195100  | -0.32709151 | -0.352027400 | 0.1570457600  |
| ## 111 | -0.237482360 | 0.1159241300  | -0.33195765 | -0.343972470 | 0.0615717650  |
| ## 112 | -0.136974760 | 0.1875428100  | -0.18079962 | -0.195350640 | 0.1930045300  |
| ## 113 | -0.140305990 | 0.0969490710  | -0.38204519 | -0.256312430 | -0.0169567770 |
| ## 114 | -0.189881890 | 0.0010569448  | -0.32983597 | -0.278618800 | -0.0023412684 |
| ## 115 | -0.206561760 | -0.0123309670 | -0.31315655 | -0.261928260 | 0.0908686410  |
| ## 116 | -0.182482690 | 0.1284389300  | -0.25421267 | -0.236331300 | 0.0491637600  |
| ## 117 | -0.153679900 | 0.0288164600  | -0.35171428 | -0.240922680 | 0.0968730460  |
| ## 118 | -0.189881690 | 0.0375351600  | -0.31970848 | -0.293549550 | 0.0006568535  |
| ## 119 | -0.318401120 | 0.0288693280  | -0.39401743 | -0.424915610 | -0.1105205300 |
| ## 120 | -0.281028500 | -0.0795431570 | -0.42086097 | -0.409840110 | -0.1265218300 |
| ## 121 | -0.278583680 | -0.0616958480 | -0.34682459 | -0.408056660 | -0.1531830000 |
| ## 122 | -0.326420100 | 0.0471383170  | -0.38125886 | -0.490079250 | -0.0847060990 |
| ## 123 | -0.234225620 | 0.0937929420  | -0.34629014 | -0.428001140 | -0.0647880610 |
| ## 124 | -0.215160260 | 0.0601245540  | -0.25467659 | -0.365891620 | -0.0558432030 |
| ## 125 | -0.280431080 | -0.1010596600 | -0.34445719 | -0.418708230 | 0.0204351150  |
| ## 126 | -0.248573540 | -0.1698128000 | -0.48820241 | -0.143602100 | -0.2496675900 |
| ## 127 | -0.171551680 | -0.1637462700 | -0.42169445 | 0.007006763  | -0.1836562800 |
| ## 128 | -0.148577170 | 0.0080386219  | -0.31528880 | -0.074232455 | -0.0785509400 |
| ## 129 | -0.152296570 | 0.1420275200  | -0.30789359 | -0.125997700 | 0.0552003100  |
| ## 130 | 0.018727258  | 0.0993390360  | -0.21460601 | 0.088544939  | -0.0324259650 |
| ## 131 | 0.086303779  | 0.1476629300  | -0.21015915 | 0.133492570  | -0.0218783080 |
| ## 132 | -0.055009237 | 0.0410019090  | -0.20084382 | -0.008942605 | -0.1354782600 |
| ## 133 | -0.129121580 | -0.1919411800 | -0.23693541 | -0.020483967 | -0.3266215000 |
| ## 134 | -0.103587630 | -0.1481513100 | -0.26134633 | -0.049114098 | -0.2833012100 |
| ## 135 | 0.217069980  | 0.1905177600  | 0.16518534  | 0.083777484  | -0.0503234520 |
| ## 136 | 0.147713780  | 0.1300254500  | -0.02565410 | 0.102490470  | -0.1109878400 |
| ## 137 | 0.192700330  | 0.3910825900  | -0.11830312 | 0.060062722  | 0.1663835500  |
| ## 138 | 0.262793630  | 0.3492373100  | -0.20879168 | -0.042123898 | 0.1376183500  |
| ## 139 | 0.058169860  | -0.0485478460 | -0.16506860 | 0.140995830  | -0.1123314700 |
| ## 140 | 0.198174050  | -0.0346629140 | -0.23513046 | 0.005957387  | -0.0698944010 |
| ## 141 | 0.153131080  | -0.0805405440 | -0.14693913 | 0.144067300  | -0.2556966200 |
| ## 142 | 0.026153823  | -0.1717200100 | -0.09650277 | 0.327291590  | -0.2841465400 |
| ## 143 | 0.002559478  | -0.0696421600 | -0.30294416 | 0.106939960  | -0.1717751700 |

|        |              |               |              |              |               |
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| ## 144 | 0.014677668  | -0.0787293220 | -0.33767480  | 0.099496176  | -0.1692101800 |
| ## 145 | -0.013751670 | 0.1420476300  | -0.18688863  | -0.147161330 | 0.0167033280  |
| ## 146 | 0.022251610  | 0.1959375200  | -0.19731127  | 0.027879150  | 0.0789090680  |
| ## 147 | 0.181672880  | 0.0003307283  | -0.30486593  | 0.065090081  | -0.1205340800 |
| ## 148 | -0.135547780 | -0.1920431900 | -0.30973532  | -0.006495807 | -0.1589464200 |
| ## 149 | -0.028980821 | -0.1758032500 | -0.27669012  | -0.021517836 | -0.2600397900 |
| ## 150 | 0.017364625  | -0.1324827900 | -0.30341736  | 0.020096585  | -0.3364446900 |
| ## 151 | -0.416390130 | -0.2914366000 | -0.36168731  | -0.349130570 | -0.0671730860 |
| ## 152 | -0.426280400 | -0.3832795900 | -0.43699429  | -0.334257120 | -0.0667572800 |
| ## 153 | -0.444530000 | -0.1108946900 | -0.48044247  | -0.333008920 | -0.0061562148 |
| ## 154 | -0.427718310 | -0.0318087680 | -0.34873771  | -0.346038220 | 0.0896901330  |
| ## 155 | -0.452782870 | -0.1129261500 | -0.38601337  | -0.294119220 | -0.0356257960 |
| ## 156 | -0.371832990 | -0.0714978050 | -0.41272384  | -0.419978760 | -0.1479230300 |
| ## 157 | -0.422895300 | -0.1683865800 | -0.34817298  | -0.400393140 | -0.0778979880 |
| ## 158 | -0.433203370 | -0.2906792500 | -0.37765783  | -0.308807250 | -0.1402912200 |
| ## 159 | -0.308573400 | -0.2870818300 | -0.42342398  | -0.207101760 | -0.0425038020 |
| ## 160 | -0.418923040 | -0.3707564000 | -0.44740720  | -0.280363130 | -0.0581782940 |
| ## 161 | -0.424855240 | -0.1753136100 | -0.44060852  | -0.332176760 | 0.0756870150  |
| ## 162 | -0.399588230 | -0.2227646100 | -0.45162200  | -0.346561100 | 0.0651638910  |
| ## 163 | -0.424034790 | -0.2918662700 | -0.47230908  | -0.428795400 | -0.0966385080 |
| ## 164 | -0.389627450 | -0.1786876300 | -0.39731517  | -0.434418970 | 0.0140214620  |
| ## 165 | -0.503962100 | -0.3258196300 | -0.50883056  | -0.358818140 | -0.0510754420 |
| ## 166 | -0.563092520 | -0.4514573100 | -0.52128511  | -0.390144040 | -0.1916191000 |
| ## 167 | -0.574209100 | -0.3848420600 | -0.48593649  | -0.417729410 | -0.1787858900 |
| ## 168 | -0.496352840 | -0.2765199900 | -0.471111671 | -0.301669830 | 0.0464179340  |
| ## 169 | -0.449917010 | -0.1670647000 | -0.48067901  | -0.317396870 | 0.0827829180  |
| ## 170 | -0.410751180 | -0.0093092233 | -0.39943721  | -0.391663810 | 0.1791696600  |
| ## 171 | -0.465554160 | -0.1502428900 | -0.35288048  | -0.433784030 | 0.1724649000  |
| ## 172 | -0.492534420 | -0.1238663100 | -0.42996221  | -0.428761420 | 0.0112850100  |
| ## 173 | -0.382711750 | -0.1336332700 | -0.40896755  | -0.509832020 | 0.0186544430  |
| ## 174 | -0.329200440 | -0.1219479300 | -0.34236940  | -0.413172110 | -0.0439858560 |
| ## 175 | -0.437783440 | -0.3276466100 | -0.50814712  | -0.333582240 | -0.1182834200 |
| ## 176 | -0.241349530 | -0.1811694700 | -0.45193372  | -0.388561050 | -0.2168305200 |
| ## 177 | -0.980722190 | -0.9561302300 | -0.91879231  | -0.971005680 | -0.9211379200 |
| ##     | NA           | NA            | NA           | NA           | NA            |
| ## 1   | -0.906164980 | -0.996888640  | -0.984519270 | -0.93208200  | -0.993756340  |
| ## 2   | -0.955438110 | -0.997889670  | -0.976923890 | -0.96837677  | -0.999371730  |
| ## 3   | -0.977049320 | -0.994097440  | -0.971686700 | -0.98216914  | -0.998158490  |
| ## 4   | -0.990229110 | -0.994546810  | -0.982824060 | -0.98900729  | -0.997403520  |
| ## 5   | -0.991914960 | -0.997724950  | -0.982352780 | -0.99091458  | -0.999277430  |
| ## 6   | -0.997045920 | -0.996604840  | -0.989898870 | -0.99504830  | -0.998597930  |
| ## 7   | -0.982887310 | -0.997508020  | -0.971907950 | -0.98307681  | -0.996957380  |
| ## 8   | -0.978075860 | -0.996037380  | -0.973339020 | -0.98514797  | -0.998346950  |
| ## 9   | -0.980059890 | -0.997362520  | -0.970453650 | -0.98805648  | -0.997173660  |
| ## 10  | -0.986535570 | -0.993345660  | -0.971241450 | -0.98580244  | -0.996913430  |
| ## 11  | -0.986830430 | -0.995048730  | -0.973766910 | -0.98513139  | -0.996465740  |
| ## 12  | -0.993196990 | -0.997786950  | -0.988005650 | -0.99232900  | -0.998099180  |
| ## 13  | -0.996001700 | -0.999193520  | -0.988298100 | -0.99448895  | -0.998868700  |
| ## 14  | -0.994139200 | -0.998607510  | -0.990601000 | -0.99349789  | -0.999951590  |
| ## 15  | -0.885473510 | -0.990107440  | -0.886606400 | -0.94271506  | -0.986489300  |

|       |              |              |              |             |              |
|-------|--------------|--------------|--------------|-------------|--------------|
| ## 16 | -0.983299380 | -0.996131790 | -0.980691950 | -0.98546623 | -0.998872320 |
| ## 17 | -0.979983270 | -0.996174120 | -0.984557540 | -0.98586494 | -0.998196630 |
| ## 18 | -0.990590320 | -0.997138210 | -0.989396980 | -0.99063072 | -0.999012720 |
| ## 19 | -0.995651620 | -0.997124090 | -0.992925680 | -0.99297864 | -0.997898880 |
| ## 20 | -0.997614400 | -0.997098150 | -0.992141180 | -0.99584462 | -0.999204930 |
| ## 21 | -0.996753870 | -0.997706400 | -0.994647970 | -0.99476183 | -0.998528640 |
| ## 22 | -0.996839960 | -0.997190980 | -0.991852810 | -0.99530128 | -0.999552020 |
| ## 23 | -0.994522930 | -0.997382070 | -0.989984910 | -0.99299471 | -0.998509620 |
| ## 24 | -0.991258090 | -0.998510520 | -0.988493730 | -0.98903757 | -0.998943240 |
| ## 25 | -0.993239500 | -0.998500110 | -0.989884540 | -0.99322615 | -0.998586510 |
| ## 26 | -0.993887500 | -0.997111730 | -0.988285060 | -0.99293560 | -0.999308530 |
| ## 27 | -0.995021860 | -0.999369590 | -0.993378550 | -0.99370967 | -0.998716090 |
| ## 28 | -0.403813290 | -0.921148410 | -0.415053160 | -0.58077331 | -0.891528020 |
| ## 29 | -0.928655700 | -0.986376640 | -0.929662090 | -0.96958137 | -0.979401040 |
| ## 30 | -0.980842310 | -0.993661830 | -0.958453930 | -0.98367126 | -0.991669070 |
| ## 31 | -0.552058380 | -0.795228080 | -0.750034150 | -0.60443473 | -0.870396060 |
| ## 32 | -0.369051400 | -0.771364630 | -0.660862240 | -0.53056327 | -0.752931070 |
| ## 33 | -0.604623500 | -0.861354440 | -0.737806690 | -0.72743795 | -0.772293160 |
| ## 34 | -0.930385510 | -0.965719570 | -0.881252830 | -0.96629462 | -0.948456120 |
| ## 35 | -0.957839630 | -0.982771030 | -0.976761220 | -0.97145539 | -0.972264630 |
| ## 36 | -0.992118130 | -0.995078170 | -0.995205860 | -0.99432548 | -0.990986710 |
| ## 37 | -0.997489620 | -0.996371420 | -0.995939210 | -0.99674402 | -0.994747000 |
| ## 38 | -0.992961660 | -0.995245150 | -0.993862350 | -0.99364201 | -0.994847220 |
| ## 39 | -0.964909360 | -0.982859120 | -0.902752250 | -0.97409917 | -0.975670810 |
| ## 40 | -0.990121320 | -0.989181380 | -0.951568990 | -0.98944550 | -0.993140260 |
| ## 41 | -0.991459550 | -0.994652810 | -0.989386060 | -0.98765741 | -0.997176310 |
| ## 42 | -0.992009550 | -0.992876180 | -0.988463310 | -0.99037067 | -0.997349070 |
| ## 43 | -0.993593900 | -0.995315380 | -0.987871680 | -0.99142200 | -0.996854390 |
| ## 44 | -0.988309120 | -0.995218400 | -0.982553170 | -0.98866276 | -0.994596540 |
| ## 45 | -0.986311970 | -0.995093100 | -0.986397160 | -0.99027064 | -0.993742300 |
| ## 46 | -0.991662110 | -0.995061570 | -0.991765850 | -0.99241927 | -0.997969960 |
| ## 47 | -0.994254550 | -0.995793360 | -0.988607050 | -0.99360142 | -0.998113570 |
| ## 48 | -0.989655450 | -0.995793610 | -0.988368950 | -0.99206525 | -0.997892410 |
| ## 49 | -0.986626950 | -0.994783790 | -0.992121360 | -0.98878306 | -0.998230490 |
| ## 50 | -0.991890050 | -0.995657790 | -0.987917940 | -0.99246659 | -0.995896780 |
| ## 51 | -0.988738980 | -0.996202450 | -0.986018070 | -0.99475114 | -0.998032530 |
| ## 52 | -0.881044650 | -0.922014520 | -0.890090280 | -0.91292383 | -0.906775360 |
| ## 53 | -0.981797490 | -0.986118760 | -0.990331230 | -0.98345778 | -0.982523340 |
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| ## 116 | -0.265150030 | -0.143368280 | 0.120819360  | -0.28600597 | -0.496525060 |
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## 70 0.010984817 0.07543989 0.02770982 -1.000000000 -1.000000000 -  
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## 87 0.529730640 0.53066422 0.38178857 -0.80645161 -0.33333333 -  
0.92307692

|        |             |            |            |             |             |             |
|--------|-------------|------------|------------|-------------|-------------|-------------|
| ## 88  | 0.490381890 | 0.66880980 | 0.44133872 | -0.74193548 | -0.73333333 | -0.92307692 |
| ## 89  | 0.496729180 | 0.55797767 | 0.40864268 | -0.74193548 | -0.73333333 | -0.92307692 |
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| ## 96  | 0.542805830 | 0.60021121 | 0.57999424 | -0.74193548 | -0.73333333 | -0.92307692 |
| ## 97  | 0.535179770 | 0.63546726 | 0.49855744 | -0.80645161 | -0.33333333 | -0.92307692 |
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| ## 111 | 0.530940610 | 0.65923081 | 0.34581566 | -0.61290323 | -0.80000000 | -0.92307692 |
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| ## 113 | 0.786157980 | 0.43720964 | 0.46649090 | -0.74193548 | -0.73333333 | -0.92307692 |
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| ## 123 | 0.736461040 | 0.64526376 | 0.41686818 | -0.22580645 | -0.06666667 | -0.92307692 |
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| ## 130 | 0.744821120 | 0.69196141 | 0.57501930 | -0.80645161 | -0.40000000 | -0.92307692 |
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| ## 136 | 0.720696620 | 0.57626099 | 0.70265185 | -0.80645161 | -0.73333333 | -0.92307692 |
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| ## 138 | 0.822381600 | 0.60532244 | 0.62684673 | -0.74193548 | -0.73333333 | -1.00000000 |
| ## 139 | 0.812184400 | 0.58199664 | 0.39094540 | -0.80645161 | -0.46666667 | -0.92307692 |
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| ## 141 | 0.707061290 | 0.55114249 | 0.54347919 | -0.74193548 | -0.40000000 | -0.84615385 |
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| ## 144 | 0.608554040 | 0.56261441 | 0.52826513 | -0.74193548 | -0.73333333 | -0.92307692 |
| ## 145 | 0.706815210 | 0.71946001 | 0.48874324 | -0.74193548 | -0.73333333 | -0.92307692 |
| ## 146 | 0.787570080 | 0.72409184 | 0.63490556 | -0.74193548 | -0.73333333 | -0.84615385 |
| ## 147 | 0.724237800 | 0.54776614 | 0.55479568 | -0.80645161 | -0.80000000 | -0.92307692 |
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| ## 149 | 0.688743820 | 0.56523077 | 0.57233739 | -0.80645161 | -0.80000000 | -0.92307692 |
| ## 150 | 0.585261270 | 0.53655145 | 0.40154579 | -0.80645161 | -0.80000000 | -0.92307692 |
| ## 151 | 0.352416060 | 0.40713864 | 0.34142760 | -0.80645161 | -0.80000000 | -0.92307692 |
| ## 152 | 0.451144160 | 0.22861603 | 0.32128189 | -0.80645161 | -0.80000000 | -0.92307692 |
| ## 153 | 0.356372370 | 0.42689297 | 0.24087510 | -0.80645161 | -0.80000000 | -0.92307692 |
| ## 154 | 0.466621490 | 0.39654371 | 0.34908446 | -0.80645161 | -0.80000000 | -0.92307692 |
| ## 155 | 0.428738700 | 0.53285254 | 0.32912455 | -0.80645161 | -0.80000000 | -0.92307692 |
| ## 156 | 0.554812950 | 0.41250482 | 0.28753024 | -0.80645161 | -0.86666667 | -0.92307692 |
| ## 157 | 0.521095230 | 0.43902571 | 0.36704154 | -0.80645161 | -0.80000000 | -0.92307692 |
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| ## 161 | 0.516134610 | 0.36626267 | 0.27699905 | -0.80645161 | -0.80000000 | -0.92307692 |
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|--------|--------------|--------------|--------------|--------------|--------------|-------------|
| ## 163 | 0.463767020  | 0.39292237   | 0.14035627   | -0.80645161  | -0.80000000  | -0.92307692 |
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| ## 165 | 0.411421780  | 0.38768731   | 0.12649820   | -0.80645161  | -0.80000000  | -0.92307692 |
| ## 166 | 0.316202400  | 0.26187145   | 0.11079942   | -0.80645161  | -0.80000000  | -0.92307692 |
| ## 167 | 0.287402720  | 0.30471784   | 0.18267803   | -0.80645161  | -0.80000000  | -0.92307692 |
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| ## 175 | 0.307838500  | 0.36502921   | 0.11816091   | -0.80645161  | -0.80000000  | -0.92307692 |
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| ## 177 | -0.791212560 | -0.75795326  | -0.53622971  | -1.00000000  | -1.00000000  | -1.00000000 |
| ##     | NA           | NA           | NA           | NA           | NA           | NA          |
| ## 1   | 0.252482900  | 0.131835750  | -0.052050251 | 0.142050560  | -0.150682500 |             |
| ## 2   | 0.271308550  | 0.042863639  | -0.014309755 | -0.692540900 | -0.954047030 |             |
| ## 3   | 0.124531240  | -0.064610562 | 0.082676921  | -0.727227320 | -0.965419150 |             |
| ## 4   | 0.029044377  | 0.080302267  | 0.185694680  | -0.599117990 | -0.908449280 |             |
| ## 5   | 0.181089770  | 0.057987891  | 0.559786320  | -0.676996500 | -0.951370740 |             |
| ## 6   | 0.157383770  | 0.318835230  | 0.605599430  | -0.631053000 | -0.934903070 |             |
| ## 7   | 0.432263310  | 0.110410770  | 0.379586260  | -0.321329670 | -0.707691670 |             |
| ## 8   | 0.000771701  | -0.122969740 | 0.157233620  | -0.663914510 | -0.941592590 |             |
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| ## 10  | 0.037599200  | 0.160762460  | 0.259786580  | -0.607452600 | -0.912718310 |             |
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| ## 12  | -0.079862491 | 0.285900260  | 0.592807730  | -0.481187270 | -0.825431490 |             |
| ## 13  | 0.010884870  | 0.047539322  | 0.493172330  | -0.398551980 | -0.781288210 |             |
| ## 14  | 0.251979660  | 0.305631470  | 0.478070120  | -0.718743620 | -0.978880200 |             |
| ## 15  | -0.048520309 | -0.108859640 | -0.321729440 | 0.233673300  | -0.048397972 |             |
| ## 16  | 0.035257506  | -0.176954130 | 0.372847820  | -0.688308510 | -0.956378040 |             |
| ## 17  | 0.018894579  | -0.173779080 | 0.077119723  | -0.605306100 | -0.916962910 |             |
| ## 18  | 0.133031400  | 0.072583636  | 0.430647350  | -0.701320950 | -0.951419230 |             |
| ## 19  | 0.046132032  | 0.263345640  | 0.327178700  | -0.573449990 | -0.868581470 |             |

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| ## 20 | -0.020005744 | 0.212347960  | 0.465525080  | -0.686221870 | -0.955864040 |
| ## 21 | 0.090345729  | 0.357718940  | 0.408063410  | -0.598641670 | -0.896080620 |
| ## 22 | 0.126628140  | 0.441211880  | 0.556190750  | -0.780047450 | -0.986359180 |
| ## 23 | 0.097081780  | 0.433271020  | 0.412495060  | -0.567761110 | -0.891178300 |
| ## 24 | 0.182788550  | 0.295654780  | 0.195596950  | -0.613211110 | -0.900090140 |
| ## 25 | 0.215814210  | 0.303852350  | 0.360945980  | -0.448099710 | -0.824916560 |
| ## 26 | 0.082183504  | 0.306265460  | 0.556160050  | -0.710789810 | -0.971645900 |
| ## 27 | 0.408972510  | 0.471611370  | 0.477710810  | -0.454835250 | -0.786045100 |
| ## 28 | -0.354898410 | -0.181464160 | -0.124365290 | 0.507073050  | 0.277924640  |
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| ## 35 | -0.372789540 | 0.086423859  | 0.038592924  | 0.495378390  | 0.251729360  |
| ## 36 | -0.348773320 | 0.335100240  | 0.285822400  | 0.336177600  | 0.079416258  |
| ## 37 | -0.018697562 | 0.593239320  | 0.317781300  | -0.039570262 | -0.354170430 |
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| ## 40 | -0.216498090 | -0.212063210 | 0.347982470  | -0.404551420 | -0.783207070 |
| ## 41 | 0.076414562  | 0.400241320  | 0.227315020  | -0.547962490 | -0.899217250 |
| ## 42 | -0.083038861 | 0.190729900  | 0.327612950  | -0.682152750 | -0.954178050 |
| ## 43 | 0.136091280  | 0.034563870  | 0.304579060  | -0.442767230 | -0.810104760 |
| ## 44 | -0.125200540 | 0.164533090  | 0.201581340  | -0.194237500 | -0.571932270 |
| ## 45 | -0.020814968 | 0.034065020  | 0.280497250  | -0.058266881 | -0.344200640 |
| ## 46 | 0.157196050  | 0.220534140  | 0.044666053  | -0.631288240 | -0.936662870 |
| ## 47 | 0.079523072  | 0.038019561  | 0.270158510  | -0.664547090 | -0.937916170 |
| ## 48 | 0.182696370  | 0.035678404  | 0.340798900  | -0.660569460 | -0.924819280 |
| ## 49 | 0.003979131  | 0.084257428  | 0.088955209  | -0.652961650 | -0.943842080 |
| ## 50 | 0.076734385  | -0.108785250 | 0.181796010  | -0.314276460 | -0.680826880 |
| ## 51 | 0.394354750  | 0.087044170  | 0.381738100  | -0.680770550 | -0.941907740 |
| ## 52 | -0.234099950 | 0.007941230  | -0.136077670 | 0.378034600  | 0.121342320  |
| ## 53 | -0.330893840 | 0.282159370  | 0.229796330  | 0.228383470  | -0.077214333 |
| ## 54 | 0.068314314  | 0.483545040  | 0.507525030  | -0.222315800 | -0.661822820 |
| ## 55 | 0.089330554  | 0.324073390  | 0.518544920  | -0.260760000 | -0.631330730 |
| ## 56 | -0.004917186 | 0.353775680  | 0.460722880  | -0.531936570 | -0.870193730 |
| ## 57 | 0.037372839  | 0.517639170  | 0.335514550  | -0.214777250 | -0.563444730 |
| ## 58 | -0.001207646 | 0.311363430  | 0.543155720  | -0.110465070 | -0.412651440 |
| ## 59 | 0.044484925  | 0.207680290  | 0.202496020  | -0.528044690 | -0.867715350 |
| ## 60 | 0.043309032  | 0.437823430  | 0.163150560  | -0.587949090 | -0.902559350 |
| ## 61 | 0.042898076  | 0.430695190  | 0.477597720  | -0.636521630 | -0.942923120 |
| ## 62 | 0.148558820  | 0.387643590  | 0.472104070  | -0.279004040 | -0.615612320 |
| ## 63 | 0.192915770  | 0.343347860  | 0.584649030  | -0.501437450 | -0.854468720 |
| ## 64 | 0.174556310  | 0.274686210  | 0.491336150  | -0.554826450 | -0.860132970 |
| ## 65 | -0.302944700 | -0.081920210 | 0.064381548  | 0.200505290  | -0.140469550 |
| ## 66 | -0.643378300 | -0.419317780 | 0.835380830  | 0.737054820  | 0.627932190  |
| ## 67 | -0.621766000 | -0.601298050 | -0.476124520 | 0.485527090  | 0.213816710  |
| ## 68 | -0.855559110 | -0.624785910 | -0.686023770 | 0.775504910  | 0.679392270  |
| ## 69 | -0.329547320 | -0.328918040 | -0.094863916 | 0.297075810  | -0.064881407 |

|        |              |              |              |              |              |
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| ## 70  | -0.442773720 | 0.027422686  | -0.215580530 | -0.016035036 | -0.462731680 |
| ## 71  | -0.357483850 | -0.350224850 | -0.335307260 | 0.429941730  | 0.229615730  |
| ## 72  | -0.481127630 | 0.055190131  | -0.447975490 | 0.219972700  | -0.056636833 |
| ## 73  | -0.237063820 | -0.520658700 | -0.037411443 | -0.443785110 | -0.820608060 |
| ## 74  | -0.163526920 | -0.105496930 | -0.092662135 | -0.105616680 | -0.476342130 |
| ## 75  | 0.120611080  | -0.145732920 | 0.134222400  | -0.409631450 | -0.735817050 |
| ## 76  | 0.095890060  | 0.035107332  | 0.484510860  | -0.687567320 | -0.953747150 |
| ## 77  | 0.219337900  | -0.016730184 | 0.609048990  | -0.526704780 | -0.863091790 |
| ## 78  | 0.183080200  | 0.269478440  | 0.542536050  | -0.503223990 | -0.853301430 |
| ## 79  | -0.240348280 | 0.021220418  | -0.126705200 | -0.441075280 | -0.840473530 |
| ## 80  | -0.283878380 | 0.071734673  | 0.278242520  | -0.345494180 | -0.753141520 |
| ## 81  | -0.332162900 | 0.224495850  | -0.007875473 | -0.208063260 | -0.605588940 |
| ## 82  | -0.217969170 | 0.242777150  | -0.195926080 | -0.240286440 | -0.645104830 |
| ## 83  | -0.213274570 | 0.041467697  | -0.186821980 | -0.075238516 | -0.475190320 |
| ## 84  | -0.426292250 | 0.242474820  | 0.132657120  | 0.010349316  | -0.418456600 |
| ## 85  | -0.180099960 | -0.052365360 | 0.075798266  | -0.311475070 | -0.734727070 |
| ## 86  | -0.222311370 | -0.087085120 | 0.188658940  | -0.442885330 | -0.850703980 |
| ## 87  | -0.249070800 | 0.001343957  | -0.226522120 | -0.337745080 | -0.755275680 |
| ## 88  | -0.169230380 | -0.027292108 | 0.039915751  | -0.244654680 | -0.703037020 |
| ## 89  | -0.222927290 | -0.009351593 | -0.011300085 | -0.202853840 | -0.615721640 |
| ## 90  | -0.082171576 | 0.206853300  | -0.020155954 | -0.018076328 | -0.374625420 |
| ## 91  | -0.211789500 | 0.081188845  | 0.113498500  | -0.019487972 | -0.403510240 |
| ## 92  | -0.372982760 | 0.122672370  | 0.186485160  | 0.047533705  | -0.364224150 |
| ## 93  | -0.302958750 | 0.081152493  | 0.028091615  | -0.164150370 | -0.613019330 |
| ## 94  | -0.153396230 | 0.119661280  | 0.059080818  | -0.303062700 | -0.704540890 |
| ## 95  | -0.140274080 | 0.124215620  | -0.060416758 | -0.234645130 | -0.651131000 |
| ## 96  | -0.109024020 | 0.174649310  | -0.045429966 | -0.379558470 | -0.804521030 |
| ## 97  | -0.206497060 | -0.033235637 | -0.205587120 | -0.480964170 | -0.879859480 |
| ## 98  | 0.098227535  | 0.237496500  | 0.262500140  | -0.455294670 | -0.848573110 |
| ## 99  | -0.270824820 | 0.030794718  | -0.086579051 | -0.225332460 | -0.614187390 |
| ## 100 | -0.110157410 | 0.278263430  | 0.362051010  | -0.124441080 | -0.531601490 |
| ## 101 | -0.294581800 | 0.306688670  | -0.079576775 | -0.180963770 | -0.582865040 |
| ## 102 | -0.075308812 | 0.223795680  | 0.234116740  | 0.008291773  | -0.342036590 |
| ## 103 | -0.236208450 | 0.128200650  | 0.082928652  | 0.037425166  | -0.294817770 |
| ## 104 | -0.309968130 | 0.077258576  | -0.134911590 | -0.276658500 | -0.695340980 |
| ## 105 | -0.380026270 | 0.172825780  | 0.022206895  | -0.296035100 | -0.721594030 |
| ## 106 | -0.122201000 | 0.194789620  | -0.141752570 | -0.180453640 | -0.640461130 |
| ## 107 | -0.287658360 | 0.084663752  | -0.027889144 | -0.237562040 | -0.681257830 |
| ## 108 | -0.150504000 | 0.109444250  | 0.055989769  | -0.200608350 | -0.603138540 |
| ## 109 | -0.152666360 | 0.007156860  | -0.066465617 | -0.149297870 | -0.547325860 |
| ## 110 | -0.164420580 | 0.006481364  | -0.069085815 | -0.453923630 | -0.846373630 |
| ## 111 | -0.225401040 | -0.057658710 | 0.046596110  | -0.437674540 | -0.850665950 |
| ## 112 | -0.362364780 | 0.181166640  | 0.140637270  | -0.201679520 | -0.602451190 |
| ## 113 | -0.225293680 | 0.399891070  | -0.057525506 | -0.133200200 | -0.487156440 |
| ## 114 | -0.033257916 | 0.195037370  | 0.165857470  | -0.029338901 | -0.397497120 |
| ## 115 | -0.221945650 | -0.088626233 | 0.079297746  | -0.126372040 | -0.542080850 |
| ## 116 | -0.295842850 | 0.111368800  | 0.226614700  | -0.261647910 | -0.706875120 |
| ## 117 | -0.252189860 | -0.038222874 | -0.169308910 | -0.367301780 | -0.785246600 |
| ## 118 | -0.289382600 | 0.107201820  | -0.127516620 | -0.422153630 | -0.832935870 |
| ## 119 | -0.328342980 | 0.254049930  | -0.188265200 | -0.435675130 | -0.830227100 |



|        |              |              |              |              |              |
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| ## 120 | -0.310331940 | 0.126321110  | -0.326286510 | -0.486689190 | -0.871652790 |
| ## 121 | -0.231637470 | -0.002231202 | -0.037053922 | -0.522442440 | -0.902947920 |
| ## 122 | -0.191179150 | 0.343224370  | -0.173756230 | -0.501167920 | -0.883015390 |
| ## 123 | -0.235682470 | 0.080290144  | -0.182337290 | -0.579120510 | -0.915450410 |
| ## 124 | -0.170839630 | 0.191155220  | 0.024331833  | -0.472302810 | -0.870968690 |
| ## 125 | -0.272940970 | -0.080116902 | -0.030486945 | -0.452512130 | -0.826062620 |
| ## 126 | -0.284572030 | 0.153175410  | 0.252387970  | 0.330701290  | 0.058120599  |
| ## 127 | -0.326094180 | 0.091641710  | 0.261049450  | 0.326832690  | 0.039342805  |
| ## 128 | -0.306663280 | -0.004135631 | 0.390362210  | 0.205863580  | -0.096662668 |
| ## 129 | -0.418593410 | -0.018114351 | 0.290815860  | 0.097212596  | -0.211504080 |
| ## 130 | -0.457310410 | -0.054104254 | 0.292477610  | 0.043280035  | -0.314897150 |
| ## 131 | -0.396392570 | -0.063954326 | 0.216626030  | 0.090102863  | -0.250465130 |
| ## 132 | -0.333730100 | 0.062968488  | 0.228821080  | 0.178969580  | -0.144335600 |
| ## 133 | -0.427207800 | 0.218681530  | 0.358163490  | 0.142123330  | -0.189694490 |
| ## 134 | -0.486426490 | 0.079932054  | 0.571063960  | -0.004358099 | -0.402518780 |
| ## 135 | -0.057546152 | 0.271587900  | 0.633592640  | -0.096982120 | -0.539397730 |
| ## 136 | -0.460963970 | 0.301732620  | 0.191299170  | -0.109552900 | -0.473709340 |
| ## 137 | -0.027967766 | 0.123469670  | 0.808301820  | 0.170404760  | -0.116059790 |
| ## 138 | 0.021608073  | -0.019847893 | 0.172898730  | -0.166481890 | -0.531436290 |
| ## 139 | -0.499606380 | -0.130532430 | 0.321448150  | -0.090193869 | -0.556965540 |
| ## 140 | -0.031296514 | -0.090099327 | 0.123685460  | 0.091493483  | -0.227911650 |
| ## 141 | -0.346624960 | 0.236209940  | 0.423874620  | -0.015915636 | -0.375416510 |
| ## 142 | -0.361073570 | 0.152744070  | 0.397616110  | 0.582684700  | 0.422217520  |
| ## 143 | -0.503518630 | 0.098072185  | 0.003456490  | 0.090267146  | -0.271669110 |
| ## 144 | -0.299264360 | 0.333987450  | 0.106459670  | 0.379448800  | 0.163535140  |
| ## 145 | -0.138372260 | -0.041243658 | 0.347564370  | -0.202978470 | -0.610105850 |
| ## 146 | -0.408635880 | -0.028305017 | 0.008081099  | -0.104110850 | -0.503499450 |
| ## 147 | -0.212486550 | 0.119139230  | 0.000329444  | -0.202344900 | -0.652069550 |
| ## 148 | -0.341874740 | -0.103093610 | 0.126739300  | 0.351685120  | 0.098150519  |
| ## 149 | -0.295186020 | -0.050389402 | 0.396540980  | 0.111690500  | -0.239002270 |
| ## 150 | -0.417028390 | 0.254225170  | 0.287757490  | -0.064810182 | -0.483549620 |
| ## 151 | -0.355900890 | -0.223282160 | -0.505641010 | 0.256773330  | -0.032439317 |
| ## 152 | -0.495136100 | -0.219319150 | -0.355861100 | 0.197020080  | -0.142865780 |
| ## 153 | -0.672439140 | -0.083581598 | -0.436884440 | 0.174799130  | -0.137235290 |
| ## 154 | -0.573193920 | 0.059780980  | -0.395822950 | 0.220527720  | -0.067054587 |
| ## 155 | -0.538693500 | -0.240293470 | -0.424789930 | 0.368902610  | 0.123128700  |
| ## 156 | -0.612832620 | 0.217394560  | -0.463049750 | -0.365243670 | -0.769098280 |
| ## 157 | -0.423525860 | -0.202014130 | -0.537153950 | 0.192138950  | -0.087384090 |
| ## 158 | -0.408594400 | -0.135920120 | -0.491008040 | 0.382699990  | 0.142054890  |
| ## 159 | -0.417480870 | -0.273819990 | -0.507825000 | 0.225214050  | -0.091775018 |
| ## 160 | -0.611223290 | -0.245240330 | -0.537244390 | 0.250595920  | -0.044243960 |
| ## 161 | -0.547567560 | -0.229253880 | -0.580060570 | 0.150319850  | -0.182108840 |
| ## 162 | -0.549723960 | -0.290310640 | -0.506013680 | -0.002120565 | -0.355463720 |
| ## 163 | -0.348302210 | -0.227589820 | -0.356864430 | 0.112811700  | -0.205011700 |
| ## 164 | -0.272938670 | -0.195962940 | -0.365122140 | -0.101140420 | -0.483835550 |
| ## 165 | -0.419517060 | -0.150120270 | -0.724930910 | 0.320212250  | -0.002444142 |
| ## 166 | -0.620410250 | -0.331616240 | -0.623493600 | 0.315693820  | 0.009652356  |
| ## 167 | -0.718089100 | -0.157782980 | -0.561279310 | 0.315080960  | 0.043070947  |
| ## 168 | -0.532807400 | -0.216228370 | -0.699424820 | 0.354982870  | 0.061611888  |
| ## 169 | -0.428322710 | -0.132150760 | -0.455012780 | 0.330258680  | 0.034652260  |

|        |              |              |              |              |                         |
|--------|--------------|--------------|--------------|--------------|-------------------------|
| ## 170 | -0.546565740 | -0.293621010 | -0.519002750 | 0.017590580  | -0.327418070            |
| ## 171 | -0.567264380 | -0.325461750 | -0.477094270 | 0.066841072  | -0.251942420            |
| ## 172 | -0.479839170 | -0.153976180 | -0.546456540 | 0.236208950  | -0.030120158            |
| ## 173 | 0.034748800  | -0.219806280 | -0.460499200 | -0.112354800 | -0.525641860            |
| ## 174 | -0.187047110 | -0.347308980 | -0.533022390 | 0.062877530  | -0.260776210            |
| ## 175 | -0.244304310 | -0.203545940 | -0.588604320 | 0.405575150  | 0.167640610             |
| ## 176 | -0.034075210 | -0.056973364 | -0.502966670 | -0.034454842 | -0.363657950            |
| ## 177 | -0.424537920 | -0.261370090 | -0.209182400 | 0.433098230  | 0.171431780             |
| ##     | NA           | NA           | NA           | NA           | NA                      |
| ##     | NA           |              |              |              |                         |
| ## 1   | -0.220546940 | -0.558738530 | 0.24676868   | -0.007415521 | -0.99996279 - 0.9999865 |
| ## 2   | -0.049709103 | -0.331973860 | 0.05667537   | -0.289001440 | -0.99999619 - 0.9999818 |
| ## 3   | 0.163062890  | -0.092152785 | -0.04493677  | -0.288365900 | -0.99998945 - 0.9999616 |
| ## 4   | -0.460914540 | -0.813056750 | -0.56683479  | -0.771246060 | -0.99998860 - 0.9999767 |
| ## 5   | -0.180382820 | -0.533726250 | -0.58551700  | -0.790432550 | -0.99999401 - 0.9999860 |
| ## 6   | -0.660782110 | -0.899381370 | -0.88068961  | -0.963631110 | -0.99999034 - 0.9999831 |
| ## 7   | -0.099405696 | -0.428190070 | -0.26292013  | -0.506013360 | -0.99999107 - 0.9999738 |
| ## 8   | 0.166992640  | -0.118357130 | 0.23017444   | 0.055736207  | -0.99998527 - 0.9999689 |
| ## 9   | 0.413777030  | 0.227564500  | 0.33388459   | 0.162478910  | -0.99998535 - 0.9999832 |
| ## 10  | -0.578818400 | -0.876062940 | -0.58303800  | -0.806902110 | -0.99998294 - 0.9999384 |
| ## 11  | -0.425610370 | -0.737956480 | -0.62345101  | -0.800782270 | -0.99997880 - 0.9999512 |
| ## 12  | -0.408176700 | -0.742110300 | -0.68350962  | -0.877032760 | -0.99999005 - 0.9999859 |
| ## 13  | 0.259190340  | 0.042725934  | -0.78583987  | -0.935550650 | -0.99999322 - 0.9999922 |
| ## 14  | -0.382321590 | -0.691596120 | -0.71457536  | -0.911576660 | -0.99999893 - 0.9999878 |
| ## 15  | 0.691045540  | 0.548323090  | 0.70641396   | 0.585589370  | -0.99988407 - 0.9999376 |
| ## 16  | 0.014086344  | -0.432125440 | -0.36811009  | -0.666350720 | -0.99998522 - 0.9999784 |
| ## 17  | -0.011284113 | -0.421538170 | 0.04023511   | -0.204543320 | -0.99998484 - 0.9999860 |
| ## 18  | -0.192444960 | -0.569461910 | -0.49040390  | -0.744265430 | -0.99999410 - 0.9999795 |
| ## 19  | -0.653947030 | -0.930334740 | -0.80433115  | -0.942945110 | -0.99998750 - 0.9999835 |
| ## 20  | -0.190494420 | -0.513246320 | -0.80022173  | -0.948472790 | -0.99999280 - 0.9999679 |

## 21 -0.490413050 -0.820760850 -0.87393960 -0.963496400 -0.99999541 -  
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## 22 -0.404960210 -0.719532230 -0.80856105 -0.931359990 -0.99999180 -  
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## 28 0.457123510 0.207668000 0.39337846 0.166128300 -0.99353977 -  
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## 32 0.209997150 -0.105982190 0.11033814 -0.231286640 -0.96181253 -  
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## 34 0.332835940 0.038570052 0.76965196 0.694319040 -0.99848484 -  
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## 36 -0.071049483 -0.389152510 -0.39480413 -0.693767300 -0.99993791 -  
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## 46 -0.120104450 -0.514334040 -0.44114572 -0.706840790 -0.99998786 -  
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| ## 47 | -0.99996553 | -0.99973668 | -0.9999701 | -0.99987736 | -0.9999850 | -0.99999880 |
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| ## 50 | -0.99990832 | -0.99989618 | -0.9999412 | -0.99991123 | -0.9999604 | -0.99998664 |
| ## 51 | -0.99994818 | -0.99979511 | -0.9997970 | -0.99983987 | -0.9998093 | -0.99989116 |
| ## 52 | -0.99878772 | -0.99562506 | -0.9986839 | -0.99839408 | -0.9977415 | -0.99735554 |
| ## 53 | -0.99993695 | -0.99987938 | -0.9999388 | -0.99985431 | -0.9998873 | -0.99985372 |
| ## 54 | -0.99997120 | -0.99992670 | -0.9998618 | -0.99990261 | -0.9999512 | -0.99992393 |
| ## 55 | -0.99996756 | -0.99990163 | -0.9999001 | -0.99995756 | -0.9999715 | -0.99998884 |
| ## 56 | -0.99996995 | -0.99989591 | -0.9999310 | -0.99996729 | -0.9999451 | -0.99999987 |
| ## 57 | -0.99993695 | -0.99987109 | -0.9998984 | -0.99992569 | -0.9999384 | -0.99999993 |
| ## 58 | -0.99992356 | -0.99987936 | -0.9998562 | -0.99995497 | -0.9999454 | -0.99999929 |
| ## 59 | -0.99995891 | -0.99992814 | -0.9999153 | -0.99992695 | -0.9999802 | -0.99999088 |
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| ## 61 | -0.99993142 | -0.99986420 | -0.9998928 | -0.99983968 | -0.9999814 | -0.99997742 |
| ## 62 | -0.99993401 | -0.99992387 | -0.9998319 | -0.99988292 | -0.9999890 | -0.99999324 |
| ## 63 | -0.99991387 | -0.99992217 | -0.9999560 | -0.99983518 | -0.9999776 | -0.99999019 |
| ## 64 | -0.99987304 | -0.99983637 | -0.9998721 | -0.99985520 | -0.9999544 | -0.99999564 |
| ## 65 | -0.98436143 | -0.96791342 | -0.9694759 | -0.95868012 | -0.9544089 | -0.91033444 |
| ## 66 | -0.99970900 | -0.99964643 | -0.9997434 | -0.99984139 | -0.9999643 | -0.99999630 |
| ## 67 | -0.99275939 | -0.98503169 | -0.9864934 | -0.99078389 | -0.9826304 | -0.97894852 |
| ## 68 | -0.99236923 | -0.99242657 | -0.9925671 | -0.99582404 | -0.9968274 | -0.99833285 |
| ## 69 | -0.99431377 | -0.99471059 | -0.9890827 | -0.98869513 | -0.9874733 | -0.97326054 |
| ## 70 | -0.98443608 | -0.95597992 | -0.9889585 | -0.98772984 | -0.9911828 | -0.98616815 |
| ## 71 | -0.92831563 | -0.90240646 | -0.9607251 | -0.97459322 | -0.9750932 | -0.99582943 |
| ## 72 | -0.92961986 | -0.93685733 | -0.9744359 | -0.97788085 | -0.9755694 | -0.99270902 |
| ## 73 | -0.99085145 | -0.99814536 | -0.9974445 | -0.99847478 | -0.9986677 | -0.99864965 |
| ## 74 | -0.99917002 | -0.99941273 | -0.9995253 | -0.99970628 | -0.9997505 | -0.99994983 |
| ## 75 | -0.99919590 | -0.99950246 | -0.9996038 | -0.99973624 | -0.9998307 | -0.99996967 |
| ## 76 | -0.99990747 | -0.99985871 | -0.9998582 | -0.99988169 | -0.9999362 | -0.99997687 |
| ## 77 | -0.99989808 | -0.99984332 | -0.9998761 | -0.99982747 | -0.9998678 | -0.99992759 |
| ## 78 | -0.99987209 | -0.99966090 | -0.9997402 | -0.99984391 | -0.9999570 | -0.99998178 |
| ## 79 | -0.53380839 | -0.80195963 | -0.8511504 | -0.93570271 | -0.9522212 | -0.96071427 |
| ## 80 | -0.50801474 | -0.69529275 | -0.9281905 | -0.83390176 | -0.9292045 | -0.95076685 |
| ## 81 | -0.65766249 | -0.58501586 | -0.8480305 | -0.91375994 | -0.9163264 | -0.99672416 |
| ## 82 | -0.53397862 | -0.49201416 | -0.8183221 | -0.88997860 | -0.8933589 | -0.86493100 |
| ## 83 | -0.59305858 | -0.67810244 | -0.8704548 | -0.81873327 | -0.9024703 | -0.89757933 |
| ## 84 | -0.81448489 | -0.67521942 | -0.9021491 | -0.95199507 | -0.9288856 | -0.99536580 |
| ## 85 | -0.51078761 | -0.44486706 | -0.8766521 | -0.86778164 | -0.8665399 | -0.89854921 |

|        |             |             |            |             |            |             |
|--------|-------------|-------------|------------|-------------|------------|-------------|
| ## 86  | -0.11095978 | -0.39630101 | -0.9518641 | -0.89957880 | -0.9204739 | -0.91761654 |
| ## 87  | -0.76081140 | -0.76003308 | -0.9244931 | -0.81587839 | -0.9153914 | -0.91998812 |
| ## 88  | -0.59958771 | -0.75191098 | -0.8160347 | -0.85586646 | -0.8595352 | -0.87948314 |
| ## 89  | -0.66123115 | -0.59848218 | -0.7266187 | -0.86629690 | -0.8949671 | -0.88687165 |
| ## 90  | -0.53143888 | -0.56600191 | -0.7048097 | -0.81414356 | -0.8750997 | -0.78354182 |
| ## 91  | -0.59177740 | -0.63694310 | -0.8964445 | -0.87801090 | -0.8905700 | -0.86777525 |
| ## 92  | -0.72884976 | -0.74426645 | -0.8976436 | -0.84584669 | -0.9550268 | -0.99650769 |
| ## 93  | -0.59288680 | -0.62245906 | -0.9234964 | -0.85445934 | -0.7976042 | -0.97911781 |
| ## 94  | -0.20555809 | -0.62556094 | -0.8783388 | -0.81665517 | -0.8085420 | -0.87348560 |
| ## 95  | 0.02422136  | -0.73689758 | -0.8514646 | -0.88158232 | -0.8326464 | -0.85507677 |
| ## 96  | -0.19960589 | -0.68691621 | -0.7765211 | -0.88166127 | -0.7362401 | -0.80028199 |
| ## 97  | -0.08139966 | -0.79822433 | -0.9203952 | -0.80897203 | -0.9271690 | -0.94146631 |
| ## 98  | -0.29514322 | -0.72860787 | -0.7218419 | -0.73773366 | -0.6017013 | -0.61953962 |
| ## 99  | -0.55065048 | -0.60583413 | -0.9462786 | -0.79877336 | -0.8194812 | -0.95735076 |
| ## 100 | -0.54576428 | -0.48880771 | -0.8257297 | -0.73148922 | -0.6030324 | -0.79752521 |
| ## 101 | -0.55994882 | -0.63246836 | -0.8451787 | -0.86539530 | -0.8015464 | -0.99702119 |
| ## 102 | -0.30092115 | -0.80616897 | -0.5980885 | -0.77647680 | -0.7140794 | -0.82225791 |
| ## 103 | -0.51936521 | -0.69348499 | -0.8299977 | -0.89544481 | -0.8784402 | -0.98852580 |
| ## 104 | -0.54702656 | -0.65192968 | -0.8762880 | -0.85791731 | -0.9495664 | -0.97564805 |
| ## 105 | -0.54617370 | -0.73137609 | -0.8086733 | -0.91016783 | -0.9354057 | -0.99046854 |
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| ## 111 | -0.51304347 | -0.57882142 | -0.9472770 | -0.78460388 | -0.8080009 | -0.95307737 |
| ## 112 | -0.68139115 | -0.55555678 | -0.8170680 | -0.76922789 | -0.9346444 | -0.99753636 |
| ## 113 | -0.63306395 | -0.55396138 | -0.7721548 | -0.73360746 | -0.8840264 | -0.98383465 |
| ## 114 | -0.65605300 | -0.60696854 | -0.7188637 | -0.75548331 | -0.7985418 | -0.76557938 |
| ## 115 | -0.67415016 | -0.64296064 | -0.8997905 | -0.77597220 | -0.9402361 | -0.88890644 |
| ## 116 | -0.53279501 | -0.62813694 | -0.8791399 | -0.82770428 | -0.9402527 | -0.95559486 |
| ## 117 | -0.39558968 | -0.59764559 | -0.8927222 | -0.85080831 | -0.9113802 | -0.96299441 |
| ## 118 | -0.42314177 | -0.48808470 | -0.9242819 | -0.86200593 | -0.9398045 | -0.97822701 |
| ## 119 | -0.57862724 | -0.79388033 | -0.8981361 | -0.88806129 | -0.9515975 | -0.99723339 |
| ## 120 | -0.40963044 | -0.89253091 | -0.8530501 | -0.91125721 | -0.9549748 | -0.98812259 |
| ## 121 | -0.41918812 | -0.83766683 | -0.8375322 | -0.85991832 | -0.8980329 | -0.96224248 |
| ## 122 | -0.68157578 | -0.81029178 | -0.8793045 | -0.85502907 | -0.8821614 | -0.95101629 |
| ## 123 | -0.50488063 | -0.75754530 | -0.8304832 | -0.89594892 | -0.9573185 | -0.97370204 |
| ## 124 | -0.45832344 | -0.72319907 | -0.8521077 | -0.85284087 | -0.8969351 | -0.90458158 |
| ## 125 | -0.48091850 | -0.70942587 | -0.9223382 | -0.86737563 | -0.9268390 | -0.96570509 |
| ## 126 | -0.56093565 | -0.70982266 | -0.8596164 | -0.84915600 | -0.9028822 | -0.97127450 |
| ## 127 | -0.44199519 | -0.64517721 | -0.8488924 | -0.89459002 | -0.8741519 | -0.99197983 |
| ## 128 | -0.47023997 | -0.54270556 | -0.8314337 | -0.88614632 | -0.9246315 | -0.97926329 |
| ## 129 | -0.51501495 | -0.63368053 | -0.9179591 | -0.88378825 | -0.9630635 | -0.99464554 |
| ## 130 | -0.57346531 | -0.60468378 | -0.7811159 | -0.82206648 | -0.8967922 | -0.99867392 |
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| ## 133 | -0.68121794 | -0.70765585 | -0.5846760 | -0.90474475 | -0.9452704 | -0.98986365 |
| ## 134 | -0.59756201 | -0.61249597 | -0.8405462 | -0.91380153 | -0.9593218 | -0.99912092 |
| ## 135 | -0.42477799 | -0.03878889 | -0.6471517 | 0.05860266  | -0.5350100 | -0.35639657 |

|        |             |             |             |             |            |             |
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| ## 136 | -0.31179839 | -0.51650492 | -0.7660768  | -0.68878688 | -0.9282711 | -0.95194620 |
| ## 137 | -0.13029422 | -0.49285785 | -0.6425150  | -0.42326360 | -0.3304135 | -0.23971161 |
| ## 138 | -0.49491235 | -0.13403767 | -0.2614569  | 0.49373800  | -0.3206670 | -0.07297324 |
| ## 139 | -0.69910692 | -0.45425280 | -0.6905428  | -0.72514544 | -0.9416392 | -0.99776063 |
| ## 140 | -0.26616679 | -0.45985367 | -0.3218948  | -0.52157270 | -0.4388743 | -0.03005584 |
| ## 141 | -0.30962989 | -0.35452503 | -0.7708044  | -0.72792208 | -0.8962957 | -0.92124558 |
| ## 142 | -0.39315151 | -0.59783497 | -0.7871872  | -0.61942105 | -0.8772999 | -0.98230952 |
| ## 143 | -0.43312244 | -0.78110108 | -0.8317529  | -0.86429264 | -0.8795781 | -0.98043607 |
| ## 144 | -0.39184316 | -0.57475954 | -0.8619528  | -0.77016615 | -0.8832215 | -0.83926158 |
| ## 145 | 0.09554899  | -0.56970349 | -0.6667584  | -0.73378852 | -0.7751946 | -0.63933147 |
| ## 146 | -0.35365380 | -0.61563658 | -0.6575223  | -0.72704861 | -0.9517244 | -0.98225804 |
| ## 147 | -0.65089665 | -0.70369622 | -0.6183609  | -0.35934707 | -0.6511756 | -0.48568532 |
| ## 148 | -0.38778537 | -0.86854754 | -0.8611114  | -0.74482554 | -0.8270264 | -0.99722879 |
| ## 149 | -0.33040590 | -0.66967350 | -0.8047937  | -0.62234126 | -0.8314819 | -0.89014932 |
| ## 150 | -0.53636701 | -0.62666643 | -0.7139432  | -0.75515850 | -0.9003359 | -0.88431886 |
| ## 151 | -0.81389511 | -0.96056641 | -0.9184411  | -0.93379164 | -0.9134548 | -0.95792973 |
| ## 152 | -0.87194044 | -0.94315731 | -0.9463080  | -0.92688382 | -0.9671948 | -0.99062650 |
| ## 153 | -0.90143908 | -0.96532652 | -0.9702238  | -0.96753964 | -0.9826189 | -0.99855391 |
| ## 154 | -0.86230494 | -0.92694035 | -0.9576929  | -0.96431023 | -0.9677962 | -0.98069482 |
| ## 155 | -0.75593629 | -0.92837273 | -0.9650809  | -0.96813197 | -0.9793373 | -0.99924537 |
| ## 156 | -0.82051741 | -0.89824103 | -0.9393020  | -0.97199025 | -0.9836074 | -0.99699901 |
| ## 157 | -0.76816916 | -0.92387598 | -0.9226467  | -0.95211025 | -0.9436802 | -0.99336514 |
| ## 158 | -0.70018530 | -0.91387291 | -0.9273119  | -0.93644207 | -0.9102252 | -0.99973704 |
| ## 159 | -0.66275507 | -0.79301545 | -0.9517010  | -0.91316614 | -0.9242611 | -0.96716240 |
| ## 160 | -0.77946898 | -0.89564726 | -0.9792569  | -0.94371968 | -0.9828353 | -0.99982260 |
| ## 161 | -0.86978891 | -0.93792736 | -0.9768937  | -0.92852789 | -0.9872101 | -0.99633741 |
| ## 162 | -0.81389636 | -0.92556874 | -0.9589354  | -0.93202198 | -0.9838864 | -0.99991069 |
| ## 163 | -0.76172756 | -0.91500159 | -0.9569112  | -0.94429820 | -0.9335770 | -0.92745583 |
| ## 164 | -0.77806223 | -0.93935869 | -0.9019563  | -0.88713199 | -0.9284841 | -0.92097664 |
| ## 165 | -0.82853577 | -0.93647054 | -0.9409146  | -0.94956284 | -0.9750026 | -0.99986813 |
| ## 166 | -0.93275652 | -0.93742327 | -0.9863051  | -0.98084165 | -0.9827423 | -0.99988102 |
| ## 167 | -0.93376579 | -0.97341126 | -0.9923834  | -0.98483521 | -0.9931460 | -0.99887486 |
| ## 168 | -0.85172936 | -0.94544261 | -0.9763869  | -0.95874295 | -0.9849672 | -0.99453989 |
| ## 169 | -0.81864022 | -0.86935800 | -0.9189205  | -0.97728379 | -0.9711448 | -0.99366863 |
| ## 170 | -0.86534174 | -0.90735993 | -0.8731340  | -0.97509877 | -0.9805995 | -0.99234213 |
| ## 171 | -0.88837358 | -0.95999225 | -0.9636607  | -0.96035768 | -0.9791869 | -0.98995262 |
| ## 172 | -0.84145717 | -0.94119808 | -0.9584007  | -0.95440052 | -0.9869796 | -0.98397420 |
| ## 173 | -0.81438844 | -0.76802696 | -0.8667770  | -0.84286509 | -0.8013473 | -0.67110622 |
| ## 174 | -0.80231190 | -0.84931716 | -0.9005459  | -0.85012659 | -0.8517484 | -0.76299743 |
| ## 175 | -0.83971503 | -0.86389090 | -0.9621922  | -0.90159772 | -0.9253927 | -0.91303134 |
| ## 176 | -0.68632489 | -0.77913024 | -0.8446586  | -0.70247644 | -0.7105702 | -0.71174377 |
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| ##     | NA          | NA          | NA          | NA          | NA         | NA          |
| ## 1   | -0.9999687  | -0.99997686 | -0.99986966 | -0.9997761  | -0.9999712 | -0.99991925 |
| ## 2   | -0.9999939  | -0.99994898 | -0.99991401 | -0.9999766  | -0.9999921 | -0.99994590 |
| ## 3   | -0.9999826  | -0.99980201 | -0.99994764 | -0.9999478  | -0.9999725 | -0.99987456 |
| ## 4   | -0.9999864  | -0.99982535 | -0.99999125 | -0.9999750  | -0.9999773 | -0.99991242 |
| ## 5   | -0.9999934  | -0.99993477 | -0.99997153 | -0.9999753  | -0.9999911 | -0.99995613 |
| ## 6   | -0.9999897  | -0.99991661 | -0.99994379 | -0.9999749  | -0.9999865 | -0.99992942 |
| ## 7   | -0.9999875  | -0.99990764 | -0.99995073 | -0.9999050  | -0.9999843 | -0.99991818 |

|       |            |             |             |            |            |             |
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| ## 8  | -0.9999814 | -0.99993773 | -0.99994280 | -0.9999717 | -0.9999799 | -0.99994911 |
| ## 9  | -0.9999857 | -0.99995519 | -0.99996966 | -0.9999743 | -0.9999856 | -0.99995634 |
| ## 10 | -0.9999706 | -0.99987406 | -0.99992791 | -0.9999524 | -0.9999687 | -0.99982479 |
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| ## 14 | -0.9999979 | -0.99995905 | -0.99996996 | -0.9999821 | -0.9999970 | -0.99996286 |
| ## 15 | -0.9998914 | -0.99981194 | -0.99984629 | -0.9999165 | -0.9998899 | -0.99978658 |
| ## 16 | -0.9999842 | -0.99993321 | -0.99994758 | -0.9999652 | -0.9999826 | -0.99993903 |
| ## 17 | -0.9999861 | -0.99991436 | -0.99997310 | -0.9999823 | -0.9999850 | -0.99988742 |
| ## 18 | -0.9999916 | -0.99992219 | -0.99996075 | -0.9999740 | -0.9999895 | -0.99991661 |
| ## 19 | -0.9999875 | -0.99995404 | -0.99994003 | -0.9999865 | -0.9999874 | -0.99993522 |
| ## 20 | -0.9999872 | -0.99998297 | -0.99994967 | -0.9999837 | -0.9999891 | -0.99995171 |
| ## 21 | -0.9999889 | -0.99996925 | -0.99996211 | -0.9999772 | -0.9999904 | -0.99993239 |
| ## 22 | -0.9999912 | -0.99993417 | -0.99995232 | -0.9999700 | -0.9999899 | -0.99992061 |
| ## 23 | -0.9999913 | -0.99993896 | -0.99996466 | -0.9999708 | -0.9999895 | -0.99995085 |
| ## 24 | -0.9999933 | -0.99995645 | -0.99996456 | -0.9999774 | -0.9999932 | -0.99994030 |
| ## 25 | -0.9999934 | -0.99996316 | -0.99997464 | -0.9999907 | -0.9999934 | -0.99995939 |
| ## 26 | -0.9999927 | -0.99993700 | -0.99997011 | -0.9999811 | -0.9999900 | -0.99997224 |
| ## 27 | -1.0000000 | -0.99994201 | -0.99996408 | -0.9999697 | -0.9999978 | -0.99995284 |
| ## 28 | -0.9946821 | -0.99816239 | -0.99785207 | -0.9963937 | -0.9949312 | -0.99833828 |
| ## 29 | -0.9997711 | -0.99985477 | -0.99982809 | -0.9997424 | -0.9997820 | -0.99977032 |
| ## 30 | -0.9999434 | -0.99992919 | -0.99987999 | -0.9999422 | -0.9999463 | -0.99984935 |
| ## 31 | -0.9817035 | -0.98507499 | -0.98722766 | -0.9876378 | -0.9819764 | -0.98787323 |
| ## 32 | -0.9682448 | -0.98149486 | -0.99259848 | -0.9981961 | -0.9690966 | -0.99280132 |
| ## 33 | -0.9796648 | -0.99335503 | -0.98966086 | -0.9818905 | -0.9806783 | -0.99164641 |
| ## 34 | -0.9987735 | -0.99975267 | -0.99949000 | -0.9993564 | -0.9988524 | -0.99944702 |
| ## 35 | -0.9996209 | -0.99987491 | -0.99977641 | -0.9998064 | -0.9996431 | -0.99977567 |
| ## 36 | -0.9999503 | -0.99997904 | -0.99993755 | -0.9999860 | -0.9999537 | -0.99996879 |
| ## 37 | -0.9999763 | -0.99994294 | -0.99997118 | -0.9999489 | -0.9999761 | -0.99994927 |
| ## 38 | -0.9999743 | -0.99991058 | -0.99997309 | -0.9999621 | -0.9999721 | -0.99993668 |
| ## 39 | -0.9997155 | -0.99963209 | -0.99976534 | -0.9999174 | -0.9997145 | -0.99966434 |
| ## 40 | -0.9999259 | -0.99979396 | -0.99995012 | -0.9999358 | -0.9999205 | -0.99983513 |
| ## 41 | -0.9999742 | -0.99990963 | -0.99992780 | -0.9999504 | -0.9999710 | -0.99993934 |
| ## 42 | -0.9999634 | -0.99990967 | -0.99988835 | -0.9999810 | -0.9999634 | -0.99985047 |
| ## 43 | -0.9999729 | -0.99993453 | -0.99989051 | -0.9999727 | -0.9999745 | -0.99984486 |
| ## 44 | -0.9999662 | -0.99995370 | -0.99988736 | -0.9999856 | -0.9999681 | -0.99989676 |
| ## 45 | -0.9999647 | -0.99993732 | -0.99989467 | -0.9999787 | -0.9999669 | -0.99985332 |
| ## 46 | -0.9999814 | -0.99987154 | -0.99993745 | -0.9999577 | -0.9999790 | -0.99981328 |
| ## 47 | -0.9999855 | -0.99989785 | -0.99995041 | -0.9999897 | -0.9999858 | -0.99979694 |
| ## 48 | -0.9999846 | -0.99989845 | -0.99989190 | -0.9999885 | -0.9999841 | -0.99979681 |
| ## 49 | -0.9999808 | -0.99987690 | -0.99994181 | -0.9999728 | -0.9999762 | -0.99989413 |
| ## 50 | -0.9999787 | -0.99989638 | -0.99994505 | -0.9999692 | -0.9999754 | -0.99990823 |
| ## 51 | -0.9999802 | -0.99990041 | -0.99982816 | -0.9998368 | -0.9999797 | -0.99977985 |
| ## 52 | -0.9958107 | -0.99765982 | -0.99859031 | -0.9976121 | -0.9960241 | -0.99620766 |
| ## 53 | -0.9998077 | -0.99991592 | -0.99992218 | -0.9998760 | -0.9998186 | -0.99988523 |
| ## 54 | -0.9999570 | -0.99995944 | -0.99989216 | -0.9999421 | -0.9999598 | -0.99990456 |
| ## 55 | -0.9999767 | -0.99994883 | -0.99993669 | -0.9999773 | -0.9999778 | -0.99990809 |
| ## 56 | -0.9999820 | -0.99994917 | -0.99995967 | -0.9999634 | -0.9999829 | -0.99991506 |
| ## 57 | -0.9999684 | -0.99991345 | -0.99992373 | -0.9999590 | -0.9999679 | -0.99988005 |

|        |            |             |             |            |            |             |
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| ## 58  | -0.9999641 | -0.99990443 | -0.99990831 | -0.9999635 | -0.9999629 | -0.99987854 |
| ## 59  | -0.9999797 | -0.99994933 | -0.99993471 | -0.9999838 | -0.9999800 | -0.99992606 |
| ## 60  | -0.9999779 | -0.99995233 | -0.99992510 | -0.9999912 | -0.9999789 | -0.99991265 |
| ## 61  | -0.9999680 | -0.99990665 | -0.99988795 | -0.9999801 | -0.9999672 | -0.99985792 |
| ## 62  | -0.9999740 | -0.99992669 | -0.99986611 | -0.9999904 | -0.9999729 | -0.99989002 |
| ## 63  | -0.9999805 | -0.99990889 | -0.99992581 | -0.9999818 | -0.9999775 | -0.99991752 |
| ## 64  | -0.9999781 | -0.99984824 | -0.99988086 | -0.9999682 | -0.9999724 | -0.99983465 |
| ## 65  | -0.9378172 | -0.97700867 | -0.96544384 | -0.9396363 | -0.9411271 | -0.96048174 |
| ## 66  | -0.9988815 | -0.99965078 | -0.99979516 | -0.9999751 | -0.9989420 | -0.99965784 |
| ## 67  | -0.9248639 | -0.98932479 | -0.98811666 | -0.9813963 | -0.9296914 | -0.98360762 |
| ## 68  | -0.9261984 | -0.99119748 | -0.99380301 | -0.9973320 | -0.9309032 | -0.99162164 |
| ## 69  | -0.9786132 | -0.99354786 | -0.98895243 | -0.9827095 | -0.9797309 | -0.99091883 |
| ## 70  | -0.9684333 | -0.97351041 | -0.98851291 | -0.9895020 | -0.9695724 | -0.96305991 |
| ## 71  | -0.9178619 | -0.90936241 | -0.96593846 | -0.9820435 | -0.9186066 | -0.91395819 |
| ## 72  | -0.9153297 | -0.92076560 | -0.97574215 | -0.9813142 | -0.9163471 | -0.94326640 |
| ## 73  | -0.9968261 | -0.99160225 | -0.99784579 | -0.9986616 | -0.9964032 | -0.99764862 |
| ## 74  | -0.9996919 | -0.99911854 | -0.99960824 | -0.9998173 | -0.9996566 | -0.99940110 |
| ## 75  | -0.9998961 | -0.99916754 | -0.99966854 | -0.9998773 | -0.9998481 | -0.99949416 |
| ## 76  | -0.9999776 | -0.99988446 | -0.99988211 | -0.9999499 | -0.9999743 | -0.99985119 |
| ## 77  | -0.9999699 | -0.99987180 | -0.99987292 | -0.9998879 | -0.9999665 | -0.99983579 |
| ## 78  | -0.9999606 | -0.99979505 | -0.99979415 | -0.9999653 | -0.9999560 | -0.99966768 |
| ## 79  | -0.7898332 | -0.54086069 | -0.88285944 | -0.9550679 | -0.7716374 | -0.80229224 |
| ## 80  | -0.7148487 | -0.48688625 | -0.89286017 | -0.9364316 | -0.7001491 | -0.73095974 |
| ## 81  | -0.7449965 | -0.58237611 | -0.87268362 | -0.9432737 | -0.7387906 | -0.64253429 |
| ## 82  | -0.7201118 | -0.44848373 | -0.84519680 | -0.8838306 | -0.7068836 | -0.56292414 |
| ## 83  | -0.7075330 | -0.55472873 | -0.85108070 | -0.9008310 | -0.6993980 | -0.69859169 |
| ## 84  | -0.6873040 | -0.74386857 | -0.92084855 | -0.9511680 | -0.6963450 | -0.73009367 |
| ## 85  | -0.7261439 | -0.41451003 | -0.87334107 | -0.8772686 | -0.7108386 | -0.54280673 |
| ## 86  | -0.7677966 | -0.05692998 | -0.93227926 | -0.9195162 | -0.7211124 | -0.53648902 |
| ## 87  | -0.7921054 | -0.72313073 | -0.88379257 | -0.9169321 | -0.7898827 | -0.77281224 |
| ## 88  | -0.7363204 | -0.58236409 | -0.83097959 | -0.8662212 | -0.7266034 | -0.74161006 |
| ## 89  | -0.7345904 | -0.58945818 | -0.77899115 | -0.8922538 | -0.7293778 | -0.60707878 |
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| ## 91  | -0.6857069 | -0.54134275 | -0.88954879 | -0.8829298 | -0.6790322 | -0.68771458 |
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| ## 93  | -0.6926658 | -0.53797100 | -0.89763184 | -0.8584428 | -0.6855753 | -0.68126343 |
| ## 94  | -0.7337877 | -0.20653973 | -0.85523039 | -0.8303094 | -0.6962444 | -0.66308157 |
| ## 95  | -0.7350042 | -0.04260717 | -0.86276842 | -0.8401645 | -0.6810425 | -0.74618409 |
| ## 96  | -0.7578258 | -0.21974770 | -0.81594707 | -0.7577053 | -0.7181509 | -0.68798320 |
| ## 97  | -0.8055709 | -0.15154486 | -0.87864187 | -0.9319611 | -0.7541009 | -0.79759707 |
| ## 98  | -0.8408317 | -0.31417147 | -0.72781201 | -0.6076802 | -0.8020477 | -0.67534930 |
| ## 99  | -0.6739996 | -0.49676629 | -0.89099985 | -0.8656915 | -0.6652339 | -0.66620575 |
| ## 100 | -0.6125240 | -0.45763955 | -0.79041671 | -0.6682214 | -0.6077803 | -0.53428473 |
| ## 101 | -0.6320464 | -0.51269565 | -0.85277097 | -0.8670645 | -0.6269234 | -0.66682932 |
| ## 102 | -0.6814471 | -0.34228243 | -0.66497071 | -0.7503381 | -0.6544021 | -0.70048735 |
| ## 103 | -0.7217339 | -0.49608617 | -0.85454484 | -0.9153380 | -0.7073517 | -0.71123870 |
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| ## 106 | -0.6813910 | -0.60788162 | -0.68975649 | -0.7989204 | -0.6795270 | -0.62069785 |
| ## 107 | -0.6845413 | -0.54135069 | -0.82218285 | -0.9330540 | -0.6802730 | -0.58824895 |

## 108 -0.7347124 -0.47433260 -0.71947577 -0.8617758 -0.7191376 -0.60204631  
## 109 -0.7548033 -0.48255594 -0.81467457 -0.8292344 -0.7358202 -0.72467711  
## 110 -0.7802656 -0.37868630 -0.79851290 -0.8364491 -0.7544625 -0.61315686  
## 111 -0.7858351 -0.45643297 -0.88631243 -0.8566268 -0.7664476 -0.64466823  
## 112 -0.6617784 -0.59394315 -0.79914844 -0.9557241 -0.6631739 -0.58613305  
## 113 -0.7052029 -0.55199851 -0.75771838 -0.9174796 -0.7000770 -0.56506534  
## 114 -0.7295574 -0.58754823 -0.73260380 -0.7874937 -0.7243344 -0.59082325  
## 115 -0.7185402 -0.61382110 -0.85339057 -0.9230317 -0.7153866 -0.67461717  
## 116 -0.7079730 -0.48810264 -0.85987301 -0.9453950 -0.6955235 -0.66715363  
## 117 -0.7143344 -0.36126804 -0.87702472 -0.9286800 -0.6916806 -0.65363807  
## 118 -0.7548598 -0.35220436 -0.90095179 -0.9526828 -0.7312840 -0.58693862  
## 119 -0.8325121 -0.57690686 -0.89437377 -0.9668935 -0.8144684 -0.80206357  
## 120 -0.8278675 -0.46134343 -0.87488345 -0.9660851 -0.7981422 -0.86310899  
## 121 -0.8280518 -0.45316695 -0.84593767 -0.9195543 -0.7989927 -0.81002121  
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## 127 -0.5394795 -0.41527631 -0.86603642 -0.9136448 -0.5325519 -0.68228240  
## 128 -0.5967563 -0.40892325 -0.85195695 -0.9429426 -0.5877653 -0.60236149  
## 129 -0.6279752 -0.47450085 -0.90516437 -0.9736490 -0.6199478 -0.69289709  
## 130 -0.4079484 -0.51599973 -0.79647993 -0.9309403 -0.4197140 -0.61991825  
## 131 -0.3538911 -0.42838097 -0.76801887 -0.9417447 -0.3689549 -0.41240916  
## 132 -0.5193826 -0.45296911 -0.66436244 -0.9832608 -0.5223309 -0.43153706  
## 133 -0.5325237 -0.63919821 -0.70466811 -0.9602169 -0.5430937 -0.64926015  
## 134 -0.5534124 -0.53900857 -0.86802035 -0.9726615 -0.5565518 -0.65990755  
## 135 -0.3794305 -0.21948732 -0.38260680 -0.4751434 -0.3826549 -0.01687701  
## 136 -0.3751342 -0.26514717 -0.73711742 -0.9362064 -0.3706337 -0.52841787  
## 137 -0.4175101 -0.10234394 -0.56033935 -0.3000126 -0.3970970 -0.42650318  
## 138 -0.4653723 -0.30810098 0.02162404 -0.2376465 -0.4674732 0.10957528  
## 139 -0.3441739 -0.57890396 -0.70352660 -0.9604496 -0.3694025 -0.46782183  
## 140 -0.4535206 -0.20908064 -0.39675552 -0.3018490 -0.4402053 -0.32425575  
## 141 -0.3402486 -0.21493319 -0.75474300 -0.9046583 -0.3380735 -0.42126848  
## 142 -0.1906047 -0.35923243 -0.72431228 -0.9124964 -0.2050021 -0.58031493  
## 143 -0.4022795 -0.44823798 -0.84396446 -0.9133831 -0.4044729 -0.76869315  
## 144 -0.4142602 -0.35122144 -0.82755990 -0.8684873 -0.4126681 -0.61350733  
## 145 -0.6565494 0.06850707 -0.69189771 -0.7296568 -0.6030943 -0.54464138  
## 146 -0.4764438 -0.33065446 -0.68359725 -0.9619585 -0.4677176 -0.57343753  
## 147 -0.3704776 -0.61199825 -0.52127981 -0.5957076 -0.3904100 -0.55821946  
## 148 -0.5399477 -0.43543935 -0.81753478 -0.8840738 -0.5291339 -0.81840262  
## 149 -0.5323331 -0.32683677 -0.73641366 -0.8511457 -0.5179821 -0.63741720  
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## 151 -0.7922049 -0.82854253 -0.92420979 -0.9283617 -0.7937481 -0.93540260  
## 152 -0.7815942 -0.87315295 -0.93904138 -0.9750485 -0.7880173 -0.93010963  
## 153 -0.7807075 -0.90508282 -0.96923245 -0.9879599 -0.7892903 -0.96045753  
## 154 -0.7888903 -0.86004397 -0.96018823 -0.9721195 -0.7941099 -0.92870546  
## 155 -0.7729621 -0.76919924 -0.96623941 -0.9860100 -0.7717535 -0.93263871  
## 156 -0.8188217 -0.81561997 -0.95157003 -0.9880959 -0.8189438 -0.90407317  
## 157 -0.8231444 -0.77835362 -0.93370582 -0.9603333 -0.8192385 -0.91377932

|        |            |             |             |            |            |             |
|--------|------------|-------------|-------------|------------|------------|-------------|
| ## 158 | -0.7833420 | -0.71703229 | -0.93074892 | -0.9402273 | -0.7774331 | -0.90521639 |
| ## 159 | -0.7041326 | -0.64883670 | -0.93727063 | -0.9386405 | -0.7011931 | -0.82208060 |
| ## 160 | -0.7581255 | -0.77962305 | -0.96595040 | -0.9885290 | -0.7596441 | -0.90913894 |
| ## 161 | -0.7800642 | -0.86974555 | -0.95877832 | -0.9902694 | -0.7864431 | -0.93587022 |
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| ## 163 | -0.8372802 | -0.77017711 | -0.95219789 | -0.9315254 | -0.8319118 | -0.91633954 |
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| ## 165 | -0.8109527 | -0.83391238 | -0.94417108 | -0.9833369 | -0.8122041 | -0.92780386 |
| ## 166 | -0.8266409 | -0.92362603 | -0.98427207 | -0.9884867 | -0.8341848 | -0.94777348 |
| ## 167 | -0.8401590 | -0.93523498 | -0.98956891 | -0.9950662 | -0.8468138 | -0.97601106 |
| ## 168 | -0.7765943 | -0.85649251 | -0.96978782 | -0.9881757 | -0.7819362 | -0.94653075 |
| ## 169 | -0.7826826 | -0.80538722 | -0.94081285 | -0.9786942 | -0.7852399 | -0.87828085 |
| ## 170 | -0.8099098 | -0.85680475 | -0.91137036 | -0.9845354 | -0.8138513 | -0.89124561 |
| ## 171 | -0.8354092 | -0.89227928 | -0.96243730 | -0.9827953 | -0.8391754 | -0.95338108 |
| ## 172 | -0.8417392 | -0.84641115 | -0.95691598 | -0.9859723 | -0.8417208 | -0.93730917 |
| ## 173 | -0.8667925 | -0.77149015 | -0.85782753 | -0.7576939 | -0.8630694 | -0.76602879 |
| ## 174 | -0.8120382 | -0.78539382 | -0.88166018 | -0.8220014 | -0.8113485 | -0.83552105 |
| ## 175 | -0.7882590 | -0.82183899 | -0.93949266 | -0.9212495 | -0.7919179 | -0.87374317 |
| ## 176 | -0.7935604 | -0.66491646 | -0.79137448 | -0.7109635 | -0.7859400 | -0.74198925 |
| ## 177 | -0.9995053 | -0.99986020 | -0.99977577 | -0.9998258 | -0.9995348 | -0.99976824 |
| ##     | NA         | NA          | NA          | NA         | NA         | NA          |
| ## 1   | -0.9996568 | -0.99986046 | -0.99986695 | -0.9998630 | -0.9997378 | -0.9997322  |
| ## 2   | -0.9994166 | -0.99981329 | -0.99956858 | -0.9998737 | -0.9995489 | -0.9997371  |
| ## 3   | -0.9990060 | -0.99971528 | -0.99965771 | -0.9998174 | -0.9996359 | -0.9996789  |
| ## 4   | -0.9997191 | -0.99974980 | -0.99994419 | -0.9999397 | -0.9995535 | -0.9998987  |
| ## 5   | -0.9995640 | -0.99985973 | -0.99986270 | -0.9998976 | -0.9996505 | -0.9997118  |
| ## 6   | -0.9998785 | -0.99992713 | -0.99981454 | -0.9997641 | -0.9998370 | -0.9997239  |
| ## 7   | -0.9990482 | -0.99964844 | -0.99981858 | -0.9994600 | -0.9995864 | -0.9993649  |
| ## 8   | -0.9989219 | -0.99976643 | -0.99982399 | -0.9996014 | -0.9994693 | -0.9994606  |
| ## 9   | -0.9986573 | -0.99972041 | -0.99966910 | -0.9994224 | -0.9990566 | -0.9991289  |
| ## 10  | -0.9996184 | -0.99943907 | -0.99944926 | -0.9993374 | -0.9993005 | -0.9990416  |
| ## 11  | -0.9995083 | -0.99959235 | -0.99949523 | -0.9994646 | -0.9991258 | -0.9997171  |
| ## 12  | -0.9997814 | -0.99988557 | -0.99995862 | -0.9997005 | -0.9995426 | -0.9996752  |
| ## 13  | -0.9996485 | -0.99995774 | -0.99988735 | -0.9998069 | -0.9996655 | -0.9997860  |
| ## 14  | -0.9998443 | -0.99994614 | -0.99986623 | -0.9999157 | -0.9997799 | -0.9997402  |
| ## 15  | -0.9742333 | -0.99910870 | -0.99892054 | -0.9979498 | -0.9956195 | -0.9950936  |
| ## 16  | -0.9991800 | -0.99997640 | -0.99995062 | -0.9998889 | -0.9998080 | -0.9996987  |
| ## 17  | -0.9995302 | -0.99992876 | -0.99995018 | -0.9999112 | -0.9998759 | -0.9997563  |
| ## 18  | -0.9997703 | -0.99990834 | -0.99988405 | -0.9999226 | -0.9997602 | -0.9997789  |
| ## 19  | -0.9999123 | -0.99993957 | -0.99987974 | -0.9999164 | -0.9997929 | -0.9998826  |
| ## 20  | -0.9998419 | -0.99993738 | -0.99988025 | -0.9999080 | -0.9998744 | -0.9998748  |
| ## 21  | -0.9999473 | -0.99990487 | -0.99994099 | -0.9999175 | -0.9997846 | -0.9997739  |
| ## 22  | -0.9998807 | -0.99988763 | -0.99987225 | -0.9998763 | -0.9992567 | -0.9996108  |
| ## 23  | -0.9999224 | -0.99989689 | -0.99971669 | -0.9998283 | -0.9992313 | -0.9995062  |
| ## 24  | -0.9998104 | -0.99992464 | -0.99973150 | -0.9997199 | -0.9996335 | -0.9997002  |
| ## 25  | -0.9998409 | -0.99989027 | -0.99983854 | -0.9997714 | -0.9995276 | -0.9998828  |
| ## 26  | -0.9997464 | -0.99993902 | -0.99977448 | -0.9997856 | -0.9996168 | -0.9994568  |
| ## 27  | -0.9999401 | -0.99995120 | -0.99983656 | -0.9997732 | -0.9997828 | -0.9996857  |
| ## 28  | -0.5260664 | -0.98127681 | -0.98709102 | -0.9726800 | -0.9334172 | -0.9084230  |
| ## 29  | -0.9903164 | -0.99964439 | -0.99971124 | -0.9992916 | -0.9989289 | -0.9978281  |



|       |            |             |             |            |            |            |
|-------|------------|-------------|-------------|------------|------------|------------|
| ## 30 | -0.9967942 | -0.99977279 | -0.99975996 | -0.9995342 | -0.9995344 | -0.9990611 |
| ## 31 | -0.9627835 | -0.98747175 | -0.98888559 | -0.9979311 | -0.9908248 | -0.9859296 |
| ## 32 | -0.8826201 | -0.98691949 | -0.98880525 | -0.9963775 | -0.9876282 | -0.9873977 |
| ## 33 | -0.8656346 | -0.99773175 | -0.99367143 | -0.9958257 | -0.9918886 | -0.9866586 |
| ## 34 | -0.9799109 | -0.99937601 | -0.99881827 | -0.9978785 | -0.9961930 | -0.9930867 |
| ## 35 | -0.9986014 | -0.99993380 | -0.99988651 | -0.9997962 | -0.9994497 | -0.9993759 |
| ## 36 | -0.9998846 | -0.99996860 | -0.99993906 | -0.9998422 | -0.9996922 | -0.9998864 |
| ## 37 | -0.9999696 | -0.99995056 | -0.99988853 | -0.9998461 | -0.9997675 | -0.9995945 |
| ## 38 | -0.9999687 | -0.99989990 | -0.99990698 | -0.9998526 | -0.9997799 | -0.9998214 |
| ## 39 | -0.9864617 | -0.99870505 | -0.99899417 | -0.9985332 | -0.9977512 | -0.9955145 |
| ## 40 | -0.9961745 | -0.99985212 | -0.99983738 | -0.9994799 | -0.9992360 | -0.9990388 |
| ## 41 | -0.9996381 | -0.99997035 | -0.99988218 | -0.9997637 | -0.9996160 | -0.9996729 |
| ## 42 | -0.9996592 | -0.99994202 | -0.99986028 | -0.9998648 | -0.9995949 | -0.9998424 |
| ## 43 | -0.9995292 | -0.99997587 | -0.99982924 | -0.9998775 | -0.9998008 | -0.9997670 |
| ## 44 | -0.9990141 | -0.99994807 | -0.99978224 | -0.9998346 | -0.9997048 | -0.9995632 |
| ## 45 | -0.9994401 | -0.99994691 | -0.99988907 | -0.9998405 | -0.9998281 | -0.9997275 |
| ## 46 | -0.9997768 | -0.99996332 | -0.99992888 | -0.9998700 | -0.9997445 | -0.9998592 |
| ## 47 | -0.9995967 | -0.99993950 | -0.99985772 | -0.9998172 | -0.9998586 | -0.9998769 |
| ## 48 | -0.9996643 | -0.99993920 | -0.99984252 | -0.9998241 | -0.9999287 | -0.9997554 |
| ## 49 | -0.9997415 | -0.99996318 | -0.99991723 | -0.9998649 | -0.9998693 | -0.9998442 |
| ## 50 | -0.9994714 | -0.99996229 | -0.99994249 | -0.9997511 | -0.9998488 | -0.9998846 |
| ## 51 | -0.9994451 | -0.99993546 | -0.99983357 | -0.9997898 | -0.9997169 | -0.9996846 |
| ## 52 | -0.9948637 | -0.99589071 | -0.99658928 | -0.9914946 | -0.9969230 | -0.9972082 |
| ## 53 | -0.9998880 | -0.99991652 | -0.99984424 | -0.9998736 | -0.9997237 | -0.9997544 |
| ## 54 | -0.9999894 | -0.99993624 | -0.99986998 | -0.9998890 | -0.9997677 | -0.9998530 |
| ## 55 | -0.9999399 | -0.99996950 | -0.99994958 | -0.9998633 | -0.9996493 | -0.9999301 |
| ## 56 | -0.9999574 | -0.99998279 | -0.99995363 | -0.9998455 | -0.9997745 | -0.9998507 |
| ## 57 | -0.9999970 | -0.99996864 | -0.99989626 | -0.9998758 | -0.9998446 | -0.9998458 |
| ## 58 | -0.9999557 | -0.99991956 | -0.99992008 | -0.9998800 | -0.9998687 | -0.9998321 |
| ## 59 | -0.9999369 | -0.99992340 | -0.99993883 | -0.9997975 | -0.9998436 | -0.9998290 |
| ## 60 | -0.9999377 | -0.99988396 | -0.99990965 | -0.9997310 | -0.9995766 | -0.9995947 |
| ## 61 | -0.9999132 | -0.99989712 | -0.99984847 | -0.9997529 | -0.9995038 | -0.9996660 |
| ## 62 | -0.9999540 | -0.99994848 | -0.99991507 | -0.9998750 | -0.9997538 | -0.9998760 |
| ## 63 | -0.9999440 | -0.99995896 | -0.99994302 | -0.9999306 | -0.9997870 | -0.9998564 |
| ## 64 | -0.9999547 | -0.99993934 | -0.99992903 | -0.9999524 | -0.9998113 | -0.9999166 |
| ## 65 | -0.9424126 | -0.99731529 | -0.99366313 | -0.9719783 | -0.9832829 | -0.9914178 |
| ## 66 | -0.9926553 | -0.99992441 | -0.99978050 | -0.9995940 | -0.9996156 | -0.9994962 |
| ## 67 | -0.5674249 | -0.93005376 | -0.97938014 | -0.9862192 | -0.9728796 | -0.9675888 |
| ## 68 | -0.4965761 | -0.92176545 | -0.97967488 | -0.9843463 | -0.9721133 | -0.9691387 |
| ## 69 | -0.9523334 | -0.99571101 | -0.99667908 | -0.9943835 | -0.9958433 | -0.9928545 |
| ## 70 | -0.9223976 | -0.98445238 | -0.97706987 | -0.9696886 | -0.9709008 | -0.9595600 |
| ## 71 | 0.5563794  | -0.81802387 | -0.95875020 | -0.8113364 | -0.4943074 | -0.7486060 |
| ## 72 | -0.4400556 | -0.76300604 | -0.94261349 | -0.7775816 | -0.3354062 | -0.7747966 |
| ## 73 | -0.1694551 | -0.97667220 | -0.99087157 | -0.9800914 | -0.9588386 | -0.9672273 |
| ## 74 | -0.8786953 | -0.99391026 | -0.99401149 | -0.9911116 | -0.9772919 | -0.9635381 |
| ## 75 | -0.9912418 | -0.99946611 | -0.99945754 | -0.9990193 | -0.9983435 | -0.9987238 |
| ## 76 | -0.9994563 | -0.99996131 | -0.99991319 | -0.9996345 | -0.9997094 | -0.9998244 |
| ## 77 | -0.9997056 | -0.99995531 | -0.99991101 | -0.9999034 | -0.9998415 | -0.9998335 |
| ## 78 | -0.9998477 | -0.99993245 | -0.99984281 | -0.9998454 | -0.9998243 | -0.9996135 |
| ## 79 | -0.8170078 | -0.57655790 | -0.71313840 | -0.9020238 | -0.8892989 | -0.9330547 |

|        |            |             |             |            |            |            |
|--------|------------|-------------|-------------|------------|------------|------------|
| ## 80  | -0.7561811 | -0.35302634 | -0.77217801 | -0.7560142 | -0.7626055 | -0.8840621 |
| ## 81  | -0.7193030 | -0.48887961 | -0.61283323 | -0.6766509 | -0.7393686 | -0.7739103 |
| ## 82  | -0.6237027 | -0.23083742 | -0.65216295 | -0.8043058 | -0.6910274 | -0.5293849 |
| ## 83  | -0.5746301 | -0.32591673 | -0.64231503 | -0.7618398 | -0.6798610 | -0.7320772 |
| ## 84  | -0.6592843 | -0.59159170 | -0.53819143 | -0.7141580 | -0.6045896 | -0.5331333 |
| ## 85  | -0.7009486 | -0.37119176 | -0.77262969 | -0.9123209 | -0.8942211 | -0.8495879 |
| ## 86  | -0.7149349 | -0.33419100 | -0.71546039 | -0.8795765 | -0.7844499 | -0.7576019 |
| ## 87  | -0.7345490 | -0.44483880 | -0.80590483 | -0.7495052 | -0.7890868 | -0.8792988 |
| ## 88  | -0.6430993 | -0.34827352 | -0.68267180 | -0.6588020 | -0.7292071 | -0.8288055 |
| ## 89  | -0.6419864 | -0.50866679 | -0.71993024 | -0.8275963 | -0.7719697 | -0.8090218 |
| ## 90  | -0.6875223 | -0.40558395 | -0.55716130 | -0.8532556 | -0.6860280 | -0.6271219 |
| ## 91  | -0.6466257 | -0.30364992 | -0.60730095 | -0.8222128 | -0.6894346 | -0.7589653 |
| ## 92  | -0.6386364 | -0.29313917 | -0.32902767 | -0.6872027 | -0.6138605 | -0.7188376 |
| ## 93  | -0.5771626 | -0.25632521 | -0.35072042 | -0.6965414 | -0.7021422 | -0.7437955 |
| ## 94  | -0.6479124 | -0.23269667 | -0.58626277 | -0.6762602 | -0.7530904 | -0.7165318 |
| ## 95  | -0.6659380 | -0.34155382 | -0.60234311 | -0.8538369 | -0.7708398 | -0.6592811 |
| ## 96  | -0.6406908 | -0.24439472 | -0.80263404 | -0.8777360 | -0.6001756 | -0.5732365 |
| ## 97  | -0.6794401 | -0.18554443 | -0.67660198 | -0.7352387 | -0.7783093 | -0.7749326 |
| ## 98  | -0.7041168 | -0.45940323 | -0.61858493 | -0.7005150 | -0.6874479 | -0.5781014 |
| ## 99  | -0.5870285 | -0.39818631 | -0.53854473 | -0.8355462 | -0.7060119 | -0.5491852 |
| ## 100 | -0.6396500 | -0.43237312 | -0.46191046 | -0.7592303 | -0.7368273 | -0.5023038 |
| ## 101 | -0.6642138 | -0.57266565 | -0.44777752 | -0.7690444 | -0.5756803 | -0.8252485 |
| ## 102 | -0.5799477 | -0.46939594 | -0.03150221 | -0.7258103 | -0.4302061 | -0.5636322 |
| ## 103 | -0.6192808 | -0.28316418 | -0.24427268 | -0.5826254 | -0.5031726 | -0.6931414 |
| ## 104 | -0.6056759 | -0.08683438 | -0.48427943 | -0.5379804 | -0.5963879 | -0.8080130 |
| ## 105 | -0.6774773 | -0.13898613 | -0.61778471 | -0.6732444 | -0.6328023 | -0.7214895 |
| ## 106 | -0.6882336 | -0.53929502 | -0.69679933 | -0.7223755 | -0.7435022 | -0.6627008 |
| ## 107 | -0.6758912 | -0.26324027 | -0.59212385 | -0.7953168 | -0.6782572 | -0.8439342 |
| ## 108 | -0.5206180 | -0.22918120 | -0.15649484 | -0.7825928 | -0.7195246 | -0.6752301 |
| ## 109 | -0.5103310 | -0.30314008 | -0.33334767 | -0.7030746 | -0.5594201 | -0.6913622 |
| ## 110 | -0.6046492 | -0.21748384 | -0.65223053 | -0.7510537 | -0.5742663 | -0.7237098 |
| ## 111 | -0.6278878 | -0.33454705 | -0.64764713 | -0.7848021 | -0.6411916 | -0.7996628 |
| ## 112 | -0.5902578 | -0.37346757 | 0.02215398  | -0.5579409 | -0.7727923 | -0.4721665 |
| ## 113 | -0.6762022 | -0.49512908 | -0.47648008 | -0.7283771 | -0.5594990 | -0.3884296 |
| ## 114 | -0.6645005 | -0.51110486 | -0.57521152 | -0.8112027 | -0.5113550 | -0.7520854 |
| ## 115 | -0.5515113 | -0.47267214 | -0.69441224 | -0.8732111 | -0.7628413 | -0.8949021 |
| ## 116 | -0.6521433 | -0.31828091 | -0.61659186 | -0.7483361 | -0.8921748 | -0.8325600 |
| ## 117 | -0.6272951 | -0.33284505 | -0.66778997 | -0.7871894 | -0.8571215 | -0.8749924 |
| ## 118 | -0.6767025 | -0.39448031 | -0.72424285 | -0.8281204 | -0.7238313 | -0.7186050 |
| ## 119 | -0.7295766 | -0.48042246 | -0.76545683 | -0.8353197 | -0.5827772 | -0.7536974 |
| ## 120 | -0.7351772 | -0.53648732 | -0.83120792 | -0.9040418 | -0.7650545 | -0.7345205 |
| ## 121 | -0.7801368 | -0.51661629 | -0.76647223 | -0.8461162 | -0.8393668 | -0.8151986 |
| ## 122 | -0.8225938 | -0.33373045 | -0.67636506 | -0.8012140 | -0.6984979 | -0.2104264 |
| ## 123 | -0.7675021 | -0.32205727 | -0.69476804 | -0.8966710 | -0.6966262 | -0.4308689 |
| ## 124 | -0.7243847 | -0.40616303 | -0.71339434 | -0.7580502 | -0.6910401 | -0.6910649 |
| ## 125 | -0.6745469 | -0.46672038 | -0.70620372 | -0.8761637 | -0.8105441 | -0.8857601 |
| ## 126 | -0.7650562 | -0.76386031 | -0.75755642 | -0.6702427 | -0.7590800 | -0.7774381 |
| ## 127 | -0.7209579 | -0.76389484 | -0.70484823 | -0.6720097 | -0.7252291 | -0.8319733 |
| ## 128 | -0.6662646 | -0.57612819 | -0.67981535 | -0.7214986 | -0.8060947 | -0.8726635 |
| ## 129 | -0.5743123 | -0.41907712 | -0.62668258 | -0.6921179 | -0.6786452 | -0.7530706 |

|        |            |             |             |             |            |            |
|--------|------------|-------------|-------------|-------------|------------|------------|
| ## 130 | -0.6430474 | -0.48273687 | -0.62845044 | -0.8138923  | -0.5469190 | -0.7993833 |
| ## 131 | -0.6081419 | -0.48803380 | -0.60398986 | -0.7660378  | -0.6207725 | -0.7509083 |
| ## 132 | -0.7037539 | -0.62340752 | -0.53990156 | -0.7684370  | -0.7772528 | -0.7463949 |
| ## 133 | -0.8501742 | -0.76750882 | -0.60802197 | -0.8753416  | -0.9016070 | -0.8021373 |
| ## 134 | -0.8407772 | -0.69813326 | -0.64296653 | -0.8114547  | -0.8904188 | -0.7707554 |
| ## 135 | -0.6696014 | -0.39542595 | -0.71501208 | -0.6162695  | -0.4734492 | -0.4222552 |
| ## 136 | -0.7194270 | -0.51406284 | -0.54992502 | -0.6652532  | -0.5731387 | -0.4687977 |
| ## 137 | -0.4439600 | -0.22376689 | -0.53688238 | -0.6381013  | -0.6911559 | -0.2695113 |
| ## 138 | -0.4125762 | -0.37585757 | -0.45543775 | -0.6915813  | -0.7902002 | -0.7658926 |
| ## 139 | -0.6394979 | -0.65767213 | -0.82626390 | -0.6678348  | -0.7962588 | -0.8940443 |
| ## 140 | -0.6540801 | -0.61212593 | -0.71345390 | -0.6021677  | -0.8592547 | -0.9266598 |
| ## 141 | -0.7820677 | -0.71747498 | -0.69244330 | -0.6062662  | -0.7932504 | -0.7036816 |
| ## 142 | -0.7143964 | -0.86156867 | -0.80477671 | -0.6903339  | -0.7561326 | -0.7554590 |
| ## 143 | -0.7072975 | -0.71956299 | -0.61916405 | -0.8116136  | -0.7346568 | -0.7746088 |
| ## 144 | -0.6920729 | -0.78399099 | -0.54713681 | -0.8046395  | -0.5982535 | -0.6261533 |
| ## 145 | -0.5822030 | -0.49655441 | -0.53351328 | -0.7723234  | -0.7538329 | -0.5918447 |
| ## 146 | -0.5321864 | -0.47208290 | -0.42643120 | -0.6394520  | -0.7324182 | -0.6818007 |
| ## 147 | -0.6285686 | -0.68008938 | -0.76650276 | -0.6879933  | -0.6321327 | -0.6342859 |
| ## 148 | -0.6813740 | -0.72323983 | -0.84878462 | -0.8914591  | -0.8887069 | -0.9432420 |
| ## 149 | -0.7172848 | -0.82173073 | -0.76711111 | -0.8753517  | -0.8246498 | -0.7767168 |
| ## 150 | -0.8235914 | -0.80399121 | -0.57112648 | -0.8246764  | -0.7402154 | -0.6950512 |
| ## 151 | -0.4843363 | -0.90669576 | -0.94505592 | -0.9497467  | -0.9165449 | -0.8287295 |
| ## 152 | -0.5005299 | -0.92771772 | -0.94891435 | -0.9696006  | -0.8898594 | -0.8430857 |
| ## 153 | -0.4016732 | -0.85616515 | -0.88474008 | -0.8991170  | -0.7865248 | -0.8260314 |
| ## 154 | -0.3071321 | -0.79225259 | -0.88866987 | -0.8647848  | -0.7788192 | -0.5335740 |
| ## 155 | -0.4599369 | -0.80861732 | -0.88250531 | -0.9100729  | -0.9110173 | -0.9055373 |
| ## 156 | -0.5217697 | -0.88234380 | -0.85684038 | -0.8392493  | -0.7668933 | -0.6096163 |
| ## 157 | -0.5458865 | -0.75682322 | -0.94871858 | -0.9080614  | -0.9300072 | -0.9044025 |
| ## 158 | -0.5954686 | -0.86470925 | -0.89746243 | -0.9065124  | -0.9229197 | -0.8967518 |
| ## 159 | -0.4677009 | -0.89641456 | -0.93587859 | -0.9148866  | -0.9658670 | -0.9250721 |
| ## 160 | -0.5059909 | -0.90645990 | -0.93839190 | -0.9147840  | -0.9772732 | -0.9146776 |
| ## 161 | -0.3334306 | -0.86777763 | -0.87520159 | -0.8756862  | -0.9522275 | -0.9269338 |
| ## 162 | -0.3489496 | -0.86677289 | -0.93480786 | -0.9041749  | -0.9462418 | -0.9186327 |
| ## 163 | -0.5071777 | -0.93554253 | -0.89367641 | -0.9303092  | -0.9181630 | -0.9215275 |
| ## 164 | -0.3939593 | -0.88263628 | -0.86227986 | -0.9232144  | -0.8873523 | -0.8717405 |
| ## 165 | -0.4857484 | -0.93776015 | -0.84804088 | -0.9264952  | -0.9180407 | -0.8988145 |
| ## 166 | -0.6265555 | -0.94162431 | -0.94530103 | -0.9445047  | -0.9844204 | -0.9570464 |
| ## 167 | -0.6161875 | -0.91692156 | -0.92664406 | -0.9606094  | -0.9654827 | -0.9055829 |
| ## 168 | -0.3631134 | -0.91447959 | -0.92138362 | -0.9205732  | -0.8570928 | -0.9290388 |
| ## 169 | -0.3555221 | -0.83717855 | -0.85001831 | -0.7986553  | -0.8748033 | -0.8730771 |
| ## 170 | -0.2257269 | -0.74521896 | -0.84257641 | -0.8159082  | -0.8946677 | -0.8397393 |
| ## 171 | -0.2357218 | -0.81709591 | -0.88451707 | -0.9223373  | -0.9357908 | -0.8764798 |
| ## 172 | -0.4590286 | -0.75647717 | -0.85419129 | -0.9151816  | -0.9180126 | -0.8532326 |
| ## 173 | -0.4267698 | -0.80849957 | -0.82829804 | -0.9092269  | -0.8972811 | -0.9505807 |
| ## 174 | -0.5136337 | -0.75673418 | -0.84963798 | -0.9247102  | -0.9271488 | -0.9595732 |
| ## 175 | -0.6127273 | -0.81074752 | -0.92692440 | -0.9604734  | -0.9487261 | -0.9242763 |
| ## 176 | -0.6607327 | -0.82662420 | -0.83383975 | -0.9025079  | -0.9005287 | -0.8410142 |
| ## 177 | -0.9955752 | -0.99975931 | -0.99975184 | -0.9995569  | -0.9995167 | -0.9992676 |
| ##     | NA         | NA          | NA          | NA          | NA         | NA         |
| ## 1   | -0.9994926 | -0.9998136  | -0.9996818  | -0.99983940 | -0.9997382 | -0.9996120 |

|       |            |            |            |             |            |            |
|-------|------------|------------|------------|-------------|------------|------------|
| ## 2  | -0.9995658 | -0.9999053 | -0.9994735 | -0.99955418 | -0.9996020 | -0.9996953 |
| ## 3  | -0.9996157 | -0.9998796 | -0.9991085 | -0.99962404 | -0.9996433 | -0.9997150 |
| ## 4  | -0.9995122 | -0.9998656 | -0.9996727 | -0.99993621 | -0.9996673 | -0.9996458 |
| ## 5  | -0.9995164 | -0.9999108 | -0.9996103 | -0.99984529 | -0.9996666 | -0.9996675 |
| ## 6  | -0.9996215 | -0.9999073 | -0.9998860 | -0.99976016 | -0.9998075 | -0.9997302 |
| ## 7  | -0.9991852 | -0.9990447 | -0.9991064 | -0.99967617 | -0.9994867 | -0.9990998 |
| ## 8  | -0.9998634 | -0.9999988 | -0.9990703 | -0.99972227 | -0.9994377 | -0.9999164 |
| ## 9  | -0.9994193 | -0.9995200 | -0.9988439 | -0.99952086 | -0.9990088 | -0.9994433 |
| ## 10 | -0.9997213 | -0.9999990 | -0.9994356 | -0.99928386 | -0.9991536 | -0.9998298 |
| ## 11 | -0.9996135 | -0.9999223 | -0.9994301 | -0.99936505 | -0.9992850 | -0.9997316 |
| ## 12 | -0.9997751 | -0.9996934 | -0.9997902 | -0.99988102 | -0.9995736 | -0.9997337 |
| ## 13 | -0.9998181 | -0.9999795 | -0.9997255 | -0.99984291 | -0.9997060 | -0.9998806 |
| ## 14 | -0.9995734 | -0.9997972 | -0.9998696 | -0.99985392 | -0.9997721 | -0.9996544 |
| ## 15 | -0.9927121 | -0.9894902 | -0.9798145 | -0.99837189 | -0.9949480 | -0.9911158 |
| ## 16 | -0.9998309 | -0.9998085 | -0.9993761 | -0.99992775 | -0.9997766 | -0.9998163 |
| ## 17 | -0.9998263 | -0.9999922 | -0.9996200 | -0.99993376 | -0.9998484 | -0.9998910 |
| ## 18 | -0.9998455 | -0.9999664 | -0.9997934 | -0.99987314 | -0.9997725 | -0.9998918 |
| ## 19 | -0.9998312 | -0.9999457 | -0.9999183 | -0.99986720 | -0.9998362 | -0.9998744 |
| ## 20 | -0.9997354 | -0.9998930 | -0.9998632 | -0.99986526 | -0.9998928 | -0.9997936 |
| ## 21 | -0.9998552 | -0.9999372 | -0.9999273 | -0.99992670 | -0.9997884 | -0.9998854 |
| ## 22 | -0.9997708 | -0.9998996 | -0.9998674 | -0.99984838 | -0.9993399 | -0.9998181 |
| ## 23 | -0.9998160 | -0.9999850 | -0.9999041 | -0.99968417 | -0.9992812 | -0.9998817 |
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| ## 27 | -0.9997575 | -0.9999328 | -0.9999456 | -0.99978408 | -0.9997533 | -0.9998240 |
| ## 28 | -0.8512761 | -0.7907431 | -0.6272356 | -0.97963691 | -0.9162247 | -0.8208942 |
| ## 29 | -0.9970401 | -0.9965428 | -0.9924137 | -0.99952379 | -0.9984163 | -0.9967343 |
| ## 30 | -0.9988764 | -0.9983432 | -0.9974433 | -0.99964098 | -0.9993321 | -0.9986152 |
| ## 31 | -0.9828126 | -0.9814355 | -0.9650544 | -0.98866981 | -0.9879271 | -0.9816731 |
| ## 32 | -0.9914682 | -0.9891403 | -0.9033456 | -0.98814309 | -0.9861536 | -0.9902087 |
| ## 33 | -0.9791886 | -0.9734588 | -0.8958930 | -0.99268576 | -0.9889844 | -0.9760942 |
| ## 34 | -0.9915793 | -0.9878416 | -0.9843024 | -0.99825247 | -0.9945972 | -0.9897284 |
| ## 35 | -0.9991507 | -0.9990154 | -0.9989109 | -0.99983900 | -0.9993909 | -0.9990663 |
| ## 36 | -0.9998182 | -0.9999993 | -0.9999120 | -0.99990305 | -0.9997641 | -0.9998891 |
| ## 37 | -0.9999158 | -0.9999316 | -0.9999679 | -0.99985535 | -0.9997070 | -0.9999201 |
| ## 38 | -0.9998566 | -0.9999937 | -0.9999411 | -0.99987508 | -0.9998032 | -0.9999102 |
| ## 39 | -0.9923496 | -0.9919483 | -0.9889767 | -0.99861168 | -0.9966678 | -0.9919319 |
| ## 40 | -0.9993181 | -0.9987193 | -0.9970093 | -0.99970009 | -0.9991054 | -0.9990436 |
| ## 41 | -0.9995463 | -0.9994147 | -0.9997240 | -0.99982542 | -0.9996264 | -0.9994763 |
| ## 42 | -0.9997587 | -0.9997993 | -0.9997257 | -0.99983348 | -0.9996760 | -0.9997683 |
| ## 43 | -0.9998605 | -0.9999368 | -0.9996434 | -0.99980716 | -0.9997976 | -0.9998885 |
| ## 44 | -0.9995030 | -0.9994764 | -0.9992344 | -0.99974934 | -0.9996493 | -0.9994760 |
| ## 45 | -0.9997684 | -0.9998597 | -0.9995602 | -0.99985428 | -0.9998024 | -0.9997998 |
| ## 46 | -0.9997705 | -0.9998262 | -0.9998267 | -0.99990125 | -0.9997918 | -0.9997869 |
| ## 47 | -0.9998617 | -0.9999653 | -0.9996765 | -0.99981725 | -0.9998820 | -0.9999012 |
| ## 48 | -0.9999237 | -0.9999891 | -0.9997281 | -0.99980455 | -0.9998866 | -0.9999491 |
| ## 49 | -0.9999631 | -0.9999779 | -0.9997995 | -0.99988854 | -0.9998773 | -0.9999685 |
| ## 50 | -0.9999486 | -0.9999975 | -0.9995921 | -0.99988006 | -0.9998778 | -0.9999679 |
| ## 51 | -0.9997483 | -0.9998639 | -0.9995582 | -0.99978599 | -0.9997047 | -0.9997893 |

|        |            |            |            |             |            |            |
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| ## 52  | -0.9969521 | -0.9999844 | -0.9939669 | -0.99425334 | -0.9967122 | -0.9981332 |
| ## 53  | -0.9998858 | -0.9999516 | -0.9998879 | -0.99982053 | -0.9997364 | -0.9999102 |
| ## 54  | -0.9998998 | -0.9999942 | -0.9999756 | -0.99984985 | -0.9998064 | -0.9999367 |
| ## 55  | -0.9998135 | -0.9999820 | -0.9999549 | -0.99991934 | -0.9997495 | -0.9998789 |
| ## 56  | -0.9998747 | -0.9999968 | -0.9999751 | -0.99991810 | -0.9998105 | -0.9999225 |
| ## 57  | -0.9998986 | -0.9999996 | -0.9999982 | -0.99987142 | -0.9998599 | -0.9999383 |
| ## 58  | -0.9997905 | -0.9999886 | -0.9999413 | -0.99989565 | -0.9998722 | -0.9998676 |
| ## 59  | -0.9998039 | -0.9999990 | -0.9999288 | -0.99988992 | -0.9998527 | -0.9998802 |
| ## 60  | -0.9999541 | -0.9999998 | -0.9999091 | -0.99984250 | -0.9995677 | -0.9999722 |
| ## 61  | -0.9998094 | -0.9999921 | -0.9998971 | -0.99978973 | -0.9995417 | -0.9998807 |
| ## 62  | -0.9999054 | -0.9999868 | -0.9999548 | -0.99988938 | -0.9998051 | -0.9999370 |
| ## 63  | -0.9999216 | -0.9999418 | -0.9999526 | -0.99993245 | -0.9998219 | -0.9999279 |
| ## 64  | -0.9998601 | -0.9999833 | -0.9999507 | -0.99992522 | -0.9998627 | -0.9999079 |
| ## 65  | -0.9862068 | -0.9948145 | -0.9545094 | -0.98578467 | -0.9845197 | -0.9893918 |
| ## 66  | -0.9989186 | -0.9993127 | -0.9943499 | -0.99967812 | -0.9995584 | -0.9990501 |
| ## 67  | -0.9899933 | -0.9942692 | -0.6325741 | -0.97609945 | -0.9677723 | -0.9914731 |
| ## 68  | -0.9890793 | -0.9945970 | -0.5740226 | -0.97584291 | -0.9678068 | -0.9910535 |
| ## 69  | -0.9914920 | -0.9889220 | -0.9612858 | -0.99517516 | -0.9942525 | -0.9901312 |
| ## 70  | -0.9564993 | -0.9544490 | -0.9325556 | -0.96908891 | -0.9632453 | -0.9542205 |
| ## 71  | -0.4497659 | -0.9092408 | 0.2861688  | -0.90561521 | -0.5339198 | -0.6258077 |
| ## 72  | -0.1659074 | -0.7077261 | -0.4490388 | -0.88026567 | -0.4278128 | -0.3674773 |
| ## 73  | -0.9188029 | -0.8888280 | -0.3516155 | -0.98543228 | -0.9573697 | -0.9035130 |
| ## 74  | -0.9498060 | -0.9275751 | -0.9039347 | -0.99165174 | -0.9694435 | -0.9387922 |
| ## 75  | -0.9977441 | -0.9968790 | -0.9930310 | -0.99919993 | -0.9983321 | -0.9973060 |
| ## 76  | -0.9997069 | -0.9998950 | -0.9995801 | -0.99981804 | -0.9997528 | -0.9997772 |
| ## 77  | -0.9998948 | -0.9999554 | -0.9997680 | -0.99989366 | -0.9998529 | -0.9999173 |
| ## 78  | -0.9998743 | -0.9999394 | -0.9998651 | -0.99981099 | -0.9997559 | -0.9998980 |
| ## 79  | -0.8737462 | -0.9358620 | -0.6419561 | -0.69449594 | -0.8934253 | -0.8958596 |
| ## 80  | -0.7832220 | -0.9211320 | -0.4803501 | -0.70934142 | -0.7820158 | -0.8343828 |
| ## 81  | -0.7015348 | -0.7323007 | -0.5219835 | -0.53242813 | -0.7227667 | -0.7048196 |
| ## 82  | -0.3615551 | -0.4030071 | -0.3159780 | -0.60733060 | -0.5936102 | -0.3583001 |
| ## 83  | -0.8528330 | -0.9270903 | -0.3272909 | -0.58553990 | -0.6632165 | -0.8793910 |
| ## 84  | -0.6206036 | -0.6940532 | -0.5288358 | -0.47114386 | -0.5318629 | -0.6392730 |
| ## 85  | -0.9168989 | -0.9989322 | -0.4473739 | -0.75495817 | -0.8649988 | -0.9488212 |
| ## 86  | -0.9634299 | -0.9904627 | -0.4390554 | -0.69025129 | -0.7494637 | -0.9736511 |
| ## 87  | -0.8854308 | -0.9982746 | -0.5110084 | -0.74004991 | -0.7995458 | -0.9293341 |
| ## 88  | -0.7902091 | -0.9860025 | -0.3912567 | -0.59475329 | -0.7364009 | -0.8660271 |
| ## 89  | -0.9248490 | -0.9808104 | -0.4729198 | -0.67954561 | -0.7600695 | -0.9460257 |
| ## 90  | -0.7313638 | -0.7704120 | -0.4547795 | -0.52968031 | -0.6274553 | -0.7391136 |
| ## 91  | -0.8437560 | -0.9921459 | -0.3710018 | -0.56915690 | -0.6805311 | -0.9013073 |
| ## 92  | -0.7822444 | -0.9026715 | -0.3594726 | -0.26123944 | -0.6098908 | -0.8259946 |
| ## 93  | -0.6273855 | -0.8980309 | -0.2934294 | -0.28490030 | -0.6840000 | -0.7295033 |
| ## 94  | -0.7407198 | -0.8368736 | -0.3354851 | -0.50664042 | -0.7107823 | -0.7728756 |
| ## 95  | -0.4417285 | -0.7345546 | -0.4052997 | -0.57350709 | -0.7017910 | -0.5471737 |
| ## 96  | -0.3547957 | -0.5504067 | -0.3359697 | -0.77395437 | -0.5440230 | -0.4163851 |
| ## 97  | -0.7896698 | -0.9634115 | -0.3353851 | -0.61098203 | -0.7516243 | -0.8561632 |
| ## 98  | -0.5614735 | -0.8689807 | -0.4951827 | -0.54488386 | -0.6096851 | -0.6770069 |
| ## 99  | -0.8711608 | -0.9825465 | -0.3739709 | -0.50657238 | -0.6121607 | -0.9139849 |
| ## 100 | -0.7864419 | -0.7552626 | -0.4318796 | -0.41046238 | -0.6166992 | -0.7663418 |
| ## 101 | -0.5487505 | -0.7710341 | -0.5228762 | -0.39964261 | -0.6228090 | -0.6279011 |

|        |            |            |            |             |            |            |
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| ## 102 | -0.6449169 | -0.9893230 | -0.4051798 | 0.01509716  | -0.4160914 | -0.7787358 |
| ## 103 | -0.6916040 | -0.9856860 | -0.3395098 | -0.14911352 | -0.5191195 | -0.8057006 |
| ## 104 | -0.7205733 | -0.9626898 | -0.2280814 | -0.36812522 | -0.6313332 | -0.8136790 |
| ## 105 | -0.4783619 | -0.8000721 | -0.3099287 | -0.53622806 | -0.6247546 | -0.5971886 |
| ## 106 | -0.6980593 | -0.7094677 | -0.5241134 | -0.62678046 | -0.6831195 | -0.6930611 |
| ## 107 | -0.8781723 | -0.8604475 | -0.3726371 | -0.54671712 | -0.7049614 | -0.8667322 |
| ## 108 | -0.6104947 | -0.8806325 | -0.2361380 | -0.12209501 | -0.6703993 | -0.7118493 |
| ## 109 | -0.6118104 | -0.9778116 | -0.2663045 | -0.27000157 | -0.5595535 | -0.7536677 |
| ## 110 | -0.8121902 | -0.9963531 | -0.2945085 | -0.59200346 | -0.5828170 | -0.8838138 |
| ## 111 | -0.8566624 | -0.9975051 | -0.3725393 | -0.59732951 | -0.6608806 | -0.9114478 |
| ## 112 | -0.5546498 | -0.9468652 | -0.3637285 | 0.11546712  | -0.6314263 | -0.7057132 |
| ## 113 | -0.3196464 | -0.3728721 | -0.4921729 | -0.41562278 | -0.4433821 | -0.3199985 |
| ## 114 | -0.8636948 | -0.8250903 | -0.4914254 | -0.53496671 | -0.5477164 | -0.8429717 |
| ## 115 | -0.9196383 | -0.9997658 | -0.3850760 | -0.66807274 | -0.7863472 | -0.9508452 |
| ## 116 | -0.6266276 | -0.6955502 | -0.3827566 | -0.55678062 | -0.8569697 | -0.6435821 |
| ## 117 | -0.9571417 | -0.9797475 | -0.3712095 | -0.61748337 | -0.8476265 | -0.9652901 |
| ## 118 | -0.7769381 | -0.8693999 | -0.4407765 | -0.68386436 | -0.6901895 | -0.8087128 |
| ## 119 | -0.3866039 | -0.7274833 | -0.5255047 | -0.72576999 | -0.6005441 | -0.5105387 |
| ## 120 | -0.7235184 | -0.8667869 | -0.5586392 | -0.80916871 | -0.7264299 | -0.7750002 |
| ## 121 | -0.9154177 | -0.9754519 | -0.5828664 | -0.72987187 | -0.8117063 | -0.9380069 |
| ## 122 | -0.3177992 | -0.7434837 | -0.5213115 | -0.62982322 | -0.4766933 | -0.4752904 |
| ## 123 | -0.5074065 | -0.9897757 | -0.4730924 | -0.67519761 | -0.5599043 | -0.6949845 |
| ## 124 | -0.7013487 | -0.6991513 | -0.4833229 | -0.65312782 | -0.6556528 | -0.6907150 |
| ## 125 | -0.9382837 | -0.9988437 | -0.4762893 | -0.68032018 | -0.8177100 | -0.9618380 |
| ## 126 | -0.8868577 | -0.9485324 | -0.6985081 | -0.67042055 | -0.7385291 | -0.9092110 |
| ## 127 | -0.8523332 | -0.9925137 | -0.6647358 | -0.61999987 | -0.7347084 | -0.9066984 |
| ## 128 | -0.7902042 | -0.9465386 | -0.5262290 | -0.61011554 | -0.8094327 | -0.8493680 |
| ## 129 | -0.9157068 | -0.9321023 | -0.3749747 | -0.55028138 | -0.6703825 | -0.9198874 |
| ## 130 | -0.9508293 | -0.9956559 | -0.4603929 | -0.58718840 | -0.5918607 | -0.9681509 |
| ## 131 | -0.9564461 | -0.9997715 | -0.4363718 | -0.54972008 | -0.6272482 | -0.9733167 |
| ## 132 | -0.8098463 | -0.9642793 | -0.5792783 | -0.48848565 | -0.7399027 | -0.8688461 |
| ## 133 | -0.7242589 | -0.8902857 | -0.7656062 | -0.58521042 | -0.8521920 | -0.7853702 |
| ## 134 | -0.8584881 | -0.9799079 | -0.7227149 | -0.60051060 | -0.8319730 | -0.9051353 |
| ## 135 | -0.3131522 | -0.4071011 | -0.4358218 | -0.61370942 | -0.3934584 | -0.3304808 |
| ## 136 | -0.5097349 | -0.5961644 | -0.5350342 | -0.46834602 | -0.4841882 | -0.5302791 |
| ## 137 | -0.3372467 | -0.5103842 | -0.1746138 | -0.44789481 | -0.4939959 | -0.3887806 |
| ## 138 | -0.6109524 | -0.8247151 | -0.2288107 | -0.38465397 | -0.7568481 | -0.6885283 |
| ## 139 | -0.9502599 | -0.9880261 | -0.5476703 | -0.73611595 | -0.8104461 | -0.9645831 |
| ## 140 | -0.8910720 | -0.9924447 | -0.5354121 | -0.60812767 | -0.8690096 | -0.9303172 |
| ## 141 | -0.6450209 | -0.8817819 | -0.6876796 | -0.58900998 | -0.7352086 | -0.7334107 |
| ## 142 | -0.7967836 | -0.9773495 | -0.7099573 | -0.72185641 | -0.7279416 | -0.8663883 |
| ## 143 | -0.8646907 | -0.9633639 | -0.6314616 | -0.57755640 | -0.7195904 | -0.9019391 |
| ## 144 | -0.6945669 | -0.7108641 | -0.6529415 | -0.50594128 | -0.5629211 | -0.6915185 |
| ## 145 | -0.8546993 | -0.9640175 | -0.4208798 | -0.48343607 | -0.6634852 | -0.8961158 |
| ## 146 | -0.8882703 | -0.9986013 | -0.3699653 | -0.34155726 | -0.6823455 | -0.9312054 |
| ## 147 | -0.7756040 | -0.8656438 | -0.5508285 | -0.68419610 | -0.5908069 | -0.8063131 |
| ## 148 | -0.8501265 | -0.9595154 | -0.6134894 | -0.82251589 | -0.8969012 | -0.8914242 |
| ## 149 | -0.9172447 | -0.9948579 | -0.6916755 | -0.73893972 | -0.7861835 | -0.9473126 |
| ## 150 | -0.7857681 | -0.8920250 | -0.7640060 | -0.53491392 | -0.6931291 | -0.8236522 |
| ## 151 | -0.9420146 | -0.9815997 | -0.5568912 | -0.93238995 | -0.8733144 | -0.9568375 |

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| ## 152 | -0.9509381 | -0.9947404 | -0.5801144 | -0.94185706 | -0.8593157 | -0.9678310 |
| ## 153 | -0.8719980 | -0.8477503 | -0.4675552 | -0.85947282 | -0.7772354 | -0.8576041 |
| ## 154 | -0.6995553 | -0.6441334 | -0.3622333 | -0.85334646 | -0.6593927 | -0.6663995 |
| ## 155 | -0.9337112 | -0.9803905 | -0.4877379 | -0.86048018 | -0.8987434 | -0.9512584 |
| ## 156 | -0.5249843 | -0.3562147 | -0.5730462 | -0.81520892 | -0.6798508 | -0.4383153 |
| ## 157 | -0.9067610 | -0.9188707 | -0.5269503 | -0.92388003 | -0.9121895 | -0.9088419 |
| ## 158 | -0.9658106 | -0.9945186 | -0.6204453 | -0.87390395 | -0.9040732 | -0.9768162 |
| ## 159 | -0.9290511 | -0.9763186 | -0.5388552 | -0.91344569 | -0.9463333 | -0.9466951 |
| ## 160 | -0.9492805 | -0.9963457 | -0.5733626 | -0.91584464 | -0.9506830 | -0.9674966 |
| ## 161 | -0.7837159 | -0.9687660 | -0.4212389 | -0.84348323 | -0.9370772 | -0.8547885 |
| ## 162 | -0.8599187 | -0.9914640 | -0.4326133 | -0.90931484 | -0.9295167 | -0.9108859 |
| ## 163 | -0.9254558 | -0.9444967 | -0.5892338 | -0.87712400 | -0.9101020 | -0.9310697 |
| ## 164 | -0.9098022 | -0.9620111 | -0.4752628 | -0.84473507 | -0.8684773 | -0.9289062 |
| ## 165 | -0.9134609 | -0.9943422 | -0.5739546 | -0.83192437 | -0.9012980 | -0.9447852 |
| ## 166 | -0.9695156 | -0.9997188 | -0.6838351 | -0.93111158 | -0.9721636 | -0.9812726 |
| ## 167 | -0.9257127 | -0.9434131 | -0.6631822 | -0.91773858 | -0.9385748 | -0.9307692 |
| ## 168 | -0.9474359 | -0.9781294 | -0.4680094 | -0.90108306 | -0.8683420 | -0.9586822 |
| ## 169 | -0.9770647 | -0.9934139 | -0.4224243 | -0.79688316 | -0.8598168 | -0.9832200 |
| ## 170 | -0.9572485 | -0.9998610 | -0.2756601 | -0.79467904 | -0.8615466 | -0.9738443 |
| ## 171 | -0.9411603 | -0.9695145 | -0.3202964 | -0.86596916 | -0.9057039 | -0.9512154 |
| ## 172 | -0.8873813 | -0.9200879 | -0.4602179 | -0.83459728 | -0.8837887 | -0.8975254 |
| ## 173 | -0.8967201 | -0.9742422 | -0.4622633 | -0.80785568 | -0.9059846 | -0.9260825 |
| ## 174 | -0.9270674 | -0.9973376 | -0.5021910 | -0.83295170 | -0.9312679 | -0.9543554 |
| ## 175 | -0.9811307 | -0.9959936 | -0.6059085 | -0.91797015 | -0.9334981 | -0.9867908 |
| ## 176 | -0.8671097 | -0.9413068 | -0.6508603 | -0.81126844 | -0.8663201 | -0.8941064 |
| ## 177 | -0.9989999 | -0.9992418 | -0.9965023 | -0.99963971 | -0.9993983 | -0.9990699 |
| ##     | NA         | NA         | NA         | NA          | NA         | NA         |
| ## 1   | -0.9996872 | -0.9998386 | -0.9935923 | -0.9994758  | -0.9996620 | -0.9996423 |
| ## 2   | -0.9994442 | -0.9998042 | -0.9982346 | -0.9997692  | -0.9996922 | -0.9998749 |
| ## 3   | -0.9991263 | -0.9997753 | -0.9993882 | -0.9997249  | -0.9997185 | -0.9997982 |
| ## 4   | -0.9996925 | -0.9998733 | -0.9998071 | -0.9997748  | -0.9998102 | -0.9999293 |
| ## 5   | -0.9996211 | -0.9998419 | -0.9998057 | -0.9998344  | -0.9998251 | -0.9997864 |
| ## 6   | -0.9998646 | -0.9997870 | -0.9999423 | -0.9998171  | -0.9998803 | -0.9998224 |
| ## 7   | -0.9991528 | -0.9994622 | -0.9996016 | -0.9998515  | -0.9994768 | -0.9998120 |
| ## 8   | -0.9991208 | -0.9995516 | -0.9994658 | -0.9998942  | -0.9996188 | -0.9998091 |
| ## 9   | -0.9988866 | -0.9992857 | -0.9994570 | -0.9999054  | -0.9999613 | -0.9998386 |
| ## 10  | -0.9993885 | -0.9992679 | -0.9998124 | -0.9994197  | -0.9997868 | -0.9998820 |
| ## 11  | -0.9993916 | -0.9994029 | -0.9998691 | -0.9993285  | -0.9996441 | -0.9997795 |
| ## 12  | -0.9998024 | -0.9996672 | -0.9999403 | -0.9997432  | -0.9997050 | -0.9998243 |
| ## 13  | -0.9997308 | -0.9997871 | -0.9999586 | -0.9998527  | -0.9998131 | -0.9998410 |
| ## 14  | -0.9998587 | -0.9998881 | -0.9998731 | -0.9998352  | -0.9998534 | -0.9998334 |
| ## 15  | -0.9813638 | -0.9969330 | -0.9917645 | -0.9996129  | -0.9998033 | -0.9997419 |
| ## 16  | -0.9994226 | -0.9998698 | -0.9994996 | -0.9998840  | -0.9998328 | -0.9998495 |
| ## 17  | -0.9996454 | -0.9999086 | -0.9994246 | -0.9998623  | -0.9999243 | -0.9999314 |
| ## 18  | -0.9997922 | -0.9998934 | -0.9997970 | -0.9997666  | -0.9998619 | -0.9998911 |
| ## 19  | -0.9999056 | -0.9999086 | -0.9999254 | -0.9998524  | -0.9998744 | -0.9998972 |
| ## 20  | -0.9998554 | -0.9999200 | -0.9999728 | -0.9997943  | -0.9998995 | -0.9999545 |
| ## 21  | -0.9999246 | -0.9998945 | -0.9999450 | -0.9998126  | -0.9998843 | -0.9998691 |
| ## 22  | -0.9998577 | -0.9997246 | -0.9999601 | -0.9998464  | -0.9998898 | -0.9998070 |
| ## 23  | -0.9998638 | -0.9996708 | -0.9998917 | -0.9999219  | -0.9998362 | -0.9997638 |

|       |            |            |            |            |            |            |
|-------|------------|------------|------------|------------|------------|------------|
| ## 24 | -0.9998010 | -0.9997052 | -0.9997989 | -0.9997594 | -0.9999456 | -0.9998291 |
| ## 25 | -0.9998251 | -0.9997410 | -0.9998334 | -0.9999286 | -0.9998992 | -0.9998067 |
| ## 26 | -0.9997706 | -0.9997209 | -0.9998786 | -0.9998535 | -0.9998923 | -0.9997873 |
| ## 27 | -0.9999229 | -0.9997769 | -0.9999103 | -0.9998512 | -0.9998482 | -0.9997676 |
| ## 28 | -0.6570603 | -0.9537476 | -0.7973108 | -0.9847282 | -0.9925832 | -0.9916736 |
| ## 29 | -0.9930175 | -0.9990047 | -0.9965170 | -0.9998173 | -0.9998991 | -0.9998643 |
| ## 30 | -0.9976226 | -0.9994690 | -0.9995311 | -0.9995803 | -0.9998766 | -0.9998341 |
| ## 31 | -0.9661048 | -0.9947350 | -0.8809539 | -0.9839767 | -0.9943295 | -0.9950632 |
| ## 32 | -0.9096958 | -0.9930339 | -0.7869902 | -0.9913546 | -0.9976407 | -0.9985211 |
| ## 33 | -0.9037433 | -0.9935063 | -0.9086204 | -0.9906802 | -0.9934165 | -0.9945386 |
| ## 34 | -0.9854472 | -0.9967711 | -0.9966410 | -0.9998358 | -0.9999091 | -0.9999456 |
| ## 35 | -0.9989861 | -0.9996812 | -0.9983623 | -0.9997301 | -0.9998418 | -0.9998843 |
| ## 36 | -0.9999103 | -0.9998312 | -0.9998324 | -0.9998689 | -0.9999064 | -0.9999129 |
| ## 37 | -0.9999524 | -0.9998164 | -0.9999409 | -0.9999394 | -0.9999046 | -0.9998621 |
| ## 38 | -0.9999312 | -0.9998512 | -0.9998544 | -0.9998941 | -0.9998983 | -0.9999186 |
| ## 39 | -0.9897500 | -0.9978996 | -0.9988530 | -0.9996011 | -0.9997213 | -0.9997614 |
| ## 40 | -0.9972396 | -0.9993583 | -0.9998187 | -0.9997566 | -0.9998497 | -0.9998626 |
| ## 41 | -0.9997285 | -0.9997304 | -0.9998422 | -0.9996999 | -0.9998948 | -0.9998326 |
| ## 42 | -0.9997261 | -0.9998206 | -0.9998609 | -0.9998436 | -0.9997390 | -0.9998014 |
| ## 43 | -0.9996455 | -0.9998678 | -0.9998788 | -0.9998823 | -0.9997638 | -0.9998511 |
| ## 44 | -0.9992634 | -0.9997899 | -0.9997438 | -0.9998235 | -0.9998205 | -0.9998987 |
| ## 45 | -0.9995800 | -0.9998419 | -0.9996574 | -0.9998901 | -0.9998373 | -0.9999280 |
| ## 46 | -0.9998305 | -0.9998604 | -0.9998053 | -0.9999331 | -0.9998601 | -0.9999531 |
| ## 47 | -0.9996807 | -0.9998495 | -0.9998582 | -0.9998980 | -0.9998944 | -0.9999324 |
| ## 48 | -0.9997252 | -0.9998560 | -0.9997457 | -0.9998754 | -0.9999132 | -0.9999154 |
| ## 49 | -0.9998037 | -0.9998833 | -0.9997225 | -0.9997038 | -0.9999448 | -0.9999066 |
| ## 50 | -0.9996186 | -0.9997993 | -0.9998373 | -0.9998188 | -0.9999699 | -0.9998557 |
| ## 51 | -0.9995684 | -0.9997740 | -0.9997697 | -0.9999006 | -0.9999165 | -0.9998050 |
| ## 52 | -0.9938863 | -0.9927060 | -0.9905284 | -0.9993224 | -0.9995088 | -0.9993419 |
| ## 53 | -0.9998715 | -0.9998459 | -0.9995382 | -0.9996677 | -0.9998565 | -0.9997537 |
| ## 54 | -0.9999563 | -0.9998791 | -0.9999787 | -0.9996702 | -0.9999478 | -0.9998453 |
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| ## 56 | -0.9999705 | -0.9998482 | -0.9998701 | -0.9999524 | -0.9998762 | -0.9999399 |
| ## 57 | -0.9999815 | -0.9998860 | -0.9998255 | -0.9998828 | -0.9998242 | -0.9998009 |
| ## 58 | -0.9999337 | -0.9998929 | -0.9998979 | -0.9998587 | -0.9999216 | -0.9998021 |
| ## 59 | -0.9999256 | -0.9998257 | -0.9998308 | -0.9997450 | -0.9999810 | -0.9998175 |
| ## 60 | -0.9999025 | -0.9996879 | -0.9998017 | -0.9996909 | -0.9999829 | -0.9997654 |
| ## 61 | -0.9998807 | -0.9996961 | -0.9998658 | -0.9997983 | -0.9999280 | -0.9998512 |
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| ## 63 | -0.9999481 | -0.9999147 | -0.9999008 | -0.9998929 | -0.9998630 | -0.9997835 |
| ## 64 | -0.9999439 | -0.9999435 | -0.9998861 | -0.9999035 | -0.9998301 | -0.9998040 |
| ## 65 | -0.9573105 | -0.9744743 | -0.9428786 | -0.9922320 | -0.9946590 | -0.9887094 |
| ## 66 | -0.9947992 | -0.9995837 | -0.9997760 | -0.9996172 | -0.9997326 | -0.9994394 |
| ## 67 | -0.6605790 | -0.9798002 | -0.6994168 | -0.9738102 | -0.9911593 | -0.9904941 |
| ## 68 | -0.6071216 | -0.9784253 | -0.6369555 | -0.9824229 | -0.9927880 | -0.9932249 |
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| ## 70 | -0.9343206 | -0.9661620 | -0.9444950 | -0.9814789 | -0.9905117 | -0.9932114 |
| ## 71 | 0.1826863  | -0.7154492 | -0.4102357 | -0.8069230 | -0.9875444 | -0.9810192 |
| ## 72 | -0.4863638 | -0.6574675 | -0.6222003 | -0.7742686 | -0.9894213 | -0.9887250 |
| ## 73 | -0.4058417 | -0.9720305 | -0.9130208 | -0.9831695 | -0.9963202 | -0.9949714 |



|        |            |            |            |            |            |            |
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| ## 74  | -0.9111525 | -0.9839397 | -0.9989115 | -0.9998281 | -0.9995776 | -0.9998908 |
| ## 75  | -0.9935369 | -0.9987770 | -0.9997255 | -0.9998231 | -0.9997065 | -0.9998978 |
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| ## 79  | -0.6221936 | -0.8943811 | -0.6225738 | -0.9145649 | -0.9179145 | -0.9461661 |
| ## 80  | -0.4849175 | -0.7517000 | -0.7401235 | -0.8822496 | -0.8449161 | -0.9186303 |
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| ## 82  | -0.3135319 | -0.7288168 | -0.6898990 | -0.8477047 | -0.8774554 | -0.9205687 |
| ## 83  | -0.3221336 | -0.7190528 | -0.6160777 | -0.7989469 | -0.8585096 | -0.9168299 |
| ## 84  | -0.4879575 | -0.6429135 | -0.6082474 | -0.7949500 | -0.8852571 | -0.8877192 |
| ## 85  | -0.4548606 | -0.8931560 | -0.6627370 | -0.7944056 | -0.8843536 | -0.8715691 |
| ## 86  | -0.4371750 | -0.8329889 | -0.7030654 | -0.8463744 | -0.8481947 | -0.8824718 |
| ## 87  | -0.5188844 | -0.7523378 | -0.5798565 | -0.8501165 | -0.9031414 | -0.9638960 |
| ## 88  | -0.3877092 | -0.6655889 | -0.7033338 | -0.8530716 | -0.8451722 | -0.8809487 |
| ## 89  | -0.4689116 | -0.7978315 | -0.7019845 | -0.8653011 | -0.8804447 | -0.8958938 |
| ## 90  | -0.4236244 | -0.7755604 | -0.7051662 | -0.8925847 | -0.8921803 | -0.9090284 |
| ## 91  | -0.3559046 | -0.7691052 | -0.6923907 | -0.9265396 | -0.7921340 | -0.9155525 |
| ## 92  | -0.2962867 | -0.6472447 | -0.6593379 | -0.8437609 | -0.7463586 | -0.8741875 |
| ## 93  | -0.2397569 | -0.6772084 | -0.6604782 | -0.8682974 | -0.7683966 | -0.8920157 |
| ## 94  | -0.3197358 | -0.6705354 | -0.6937928 | -0.8747341 | -0.8160989 | -0.9502146 |
| ## 95  | -0.3863746 | -0.7991155 | -0.7018640 | -0.8389912 | -0.8196305 | -0.9486216 |
| ## 96  | -0.3583420 | -0.7677169 | -0.6856541 | -0.7794652 | -0.8573353 | -0.9352661 |
| ## 97  | -0.3355783 | -0.7268751 | -0.6703035 | -0.7858308 | -0.8761347 | -0.9418349 |
| ## 98  | -0.4713822 | -0.6570296 | -0.7289337 | -0.8377188 | -0.9014357 | -0.8888918 |
| ## 99  | -0.3464909 | -0.7577003 | -0.7028605 | -0.8522394 | -0.8682680 | -0.9287549 |
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| ## 102 | -0.2855806 | -0.6155190 | -0.7498442 | -0.8714083 | -0.8281559 | -0.8927262 |
| ## 103 | -0.2630940 | -0.5416370 | -0.7185114 | -0.8729220 | -0.8032240 | -0.9061149 |
| ## 104 | -0.2035933 | -0.5435156 | -0.6793760 | -0.8307559 | -0.8216000 | -0.9272544 |
| ## 105 | -0.3019399 | -0.6415418 | -0.6729791 | -0.7934228 | -0.8214961 | -0.9333838 |
| ## 106 | -0.5116169 | -0.6960474 | -0.6273578 | -0.8827500 | -0.9354287 | -0.9477655 |
| ## 107 | -0.3547223 | -0.7568066 | -0.6551587 | -0.8236592 | -0.9258517 | -0.9001710 |
| ## 108 | -0.1531417 | -0.7366411 | -0.6946370 | -0.8250615 | -0.8760917 | -0.9123606 |
| ## 109 | -0.2119036 | -0.6433279 | -0.7005722 | -0.8735570 | -0.8437108 | -0.9271695 |
| ## 110 | -0.2939232 | -0.6860615 | -0.6899918 | -0.8689371 | -0.8855400 | -0.9350113 |
| ## 111 | -0.3644260 | -0.7353144 | -0.7167817 | -0.8597724 | -0.9006456 | -0.9505355 |
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| ## 113 | -0.4435672 | -0.6259079 | -0.7470566 | -0.9086891 | -0.8971382 | -0.9348051 |
| ## 114 | -0.4602983 | -0.7196423 | -0.7305013 | -0.8966686 | -0.9000422 | -0.9207707 |
| ## 115 | -0.3841315 | -0.8397537 | -0.6938804 | -0.8697272 | -0.9371545 | -0.8901685 |
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| ## 117 | -0.3667635 | -0.7951752 | -0.6805195 | -0.8843580 | -0.8741237 | -0.9163888 |
| ## 118 | -0.4402969 | -0.7764804 | -0.7179790 | -0.8369202 | -0.9157338 | -0.9350700 |
| ## 119 | -0.5249981 | -0.7539190 | -0.7243265 | -0.8473516 | -0.9325140 | -0.9232796 |
| ## 120 | -0.5668765 | -0.8439236 | -0.7478903 | -0.8699718 | -0.9333049 | -0.9385637 |
| ## 121 | -0.5775993 | -0.8275969 | -0.7258645 | -0.8398940 | -0.9316201 | -0.9456910 |
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| ## 123 | -0.4646312 | -0.7866661 | -0.6685140 | -0.8165162 | -0.9150044 | -0.9344632 |

## 124 -0.4772661 -0.7138962 -0.6834112 -0.7724617 -0.8843864 -0.9459851  
## 125 -0.4695699 -0.8516947 -0.7103571 -0.8456723 -0.9225373 -0.9403089  
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## 137 -0.1640080 -0.5748642 -0.8248996 -0.8182962 -0.5393441 -0.8014074  
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## 160 -0.5992370 -0.9216338 -0.4643131 -0.9263864 -0.9498459 -0.9813977  
## 161 -0.4490677 -0.8884753 -0.4857862 -0.9400957 -0.9451884 -0.9710340  
## 162 -0.4699759 -0.9072002 -0.4839889 -0.9767593 -0.9380989 -0.9788162  
## 163 -0.6058546 -0.9204955 -0.4634577 -0.9735499 -0.9719226 -0.9806032  
## 164 -0.4961604 -0.9022976 -0.3825206 -0.9558035 -0.9600211 -0.9896937  
## 165 -0.5838420 -0.9149349 -0.3957281 -0.9704991 -0.9829258 -0.9806941  
## 166 -0.7014149 -0.9503045 -0.4361156 -0.9815114 -0.9774459 -0.9867182  
## 167 -0.6792498 -0.9517702 -0.3393472 -0.9715689 -0.9690401 -0.9887069  
## 168 -0.4999562 -0.9003014 -0.3386885 -0.9624303 -0.9782538 -0.9930784  
## 169 -0.4457093 -0.8074504 -0.4539421 -0.9601642 -0.9656126 -0.9907372  
## 170 -0.3102709 -0.8207528 -0.4162928 -0.9592297 -0.9610876 -0.9830102  
## 171 -0.3584608 -0.9132295 -0.2854988 -0.9412665 -0.9631812 -0.9860246  
## 172 -0.4809844 -0.9011178 -0.4056409 -0.9302630 -0.9726968 -0.9889222  
## 173 -0.4782866 -0.9036173 -0.4279388 -0.9561669 -0.9752745 -0.9748231

|        |            |            |            |            |            |            |
|--------|------------|------------|------------|------------|------------|------------|
| ## 174 | -0.5185399 | -0.9229377 | -0.2772042 | -0.9701386 | -0.9795781 | -0.9661960 |
| ## 175 | -0.6269576 | -0.9500903 | -0.3748502 | -0.9738108 | -0.9805107 | -0.9850725 |
| ## 176 | -0.6516202 | -0.8863071 | -0.4144185 | -0.9770045 | -0.9682064 | -0.9847752 |
| ## 177 | -0.9967612 | -0.9995065 | -0.9877970 | -0.9990353 | -0.9991946 | -0.9994175 |
| ##     | NA         | NA         | NA         | NA         | NA         | NA         |
| ## 1   | -0.9992934 | -0.9978922 | -0.9959325 | -0.9951464 | -0.9947399 | -0.9996883 |
| ## 2   | -0.9996656 | -0.9994483 | -0.9989302 | -0.9987544 | -0.9985456 | -0.9997918 |
| ## 3   | -0.9997528 | -0.9996292 | -0.9996862 | -0.9999119 | -0.9994535 | -0.9997807 |
| ## 4   | -0.9998582 | -0.9996655 | -0.9996813 | -0.9999836 | -0.9998044 | -0.9998867 |
| ## 5   | -0.9997453 | -0.9996557 | -0.9990258 | -0.9994359 | -0.9998225 | -0.9998445 |
| ## 6   | -0.9997649 | -0.9994852 | -0.9996778 | -0.9999048 | -0.9999262 | -0.9998927 |
| ## 7   | -0.9997145 | -0.9995434 | -0.9994032 | -0.9992934 | -0.9996649 | -0.9996316 |
| ## 8   | -0.9998877 | -0.9995167 | -0.9997102 | -0.9999651 | -0.9995701 | -0.9997211 |
| ## 9   | -0.9998883 | -0.9996515 | -0.9996088 | -0.9995679 | -0.9995667 | -0.9999502 |
| ## 10  | -0.9996032 | -0.9996273 | -0.9998205 | -0.9999559 | -0.9996941 | -0.9998547 |
| ## 11  | -0.9996604 | -0.9993880 | -0.9997013 | -0.9999984 | -0.9997101 | -0.9997265 |
| ## 12  | -0.9997473 | -0.9995249 | -0.9995517 | -0.9998643 | -0.9999008 | -0.9997816 |
| ## 13  | -0.9997862 | -0.9998197 | -0.9999003 | -0.9999975 | -0.9999507 | -0.9998566 |
| ## 14  | -0.9998340 | -0.9997195 | -0.9997993 | -0.9996662 | -0.9998767 | -0.9998795 |
| ## 15  | -0.9996677 | -0.9992761 | -0.9987040 | -0.9980496 | -0.9933230 | -0.9998144 |
| ## 16  | -0.9998424 | -0.9995642 | -0.9985300 | -0.9984925 | -0.9995938 | -0.9998722 |
| ## 17  | -0.9998706 | -0.9995768 | -0.9995259 | -0.9995907 | -0.9995269 | -0.9999602 |
| ## 18  | -0.9998134 | -0.9997368 | -0.9995721 | -0.9991689 | -0.9997937 | -0.9999058 |
| ## 19  | -0.9999512 | -0.9995912 | -0.9998724 | -0.9999606 | -0.9999240 | -0.9999160 |
| ## 20  | -0.9999332 | -0.9996437 | -0.9998167 | -0.9998434 | -0.9999432 | -0.9999528 |
| ## 21  | -0.9997997 | -0.9996804 | -0.9997746 | -0.9999689 | -0.9999268 | -0.9999122 |
| ## 22  | -0.9997000 | -0.9997744 | -0.9997159 | -0.9999983 | -0.9999498 | -0.9998932 |
| ## 23  | -0.9998278 | -0.9996333 | -0.9996805 | -0.9999899 | -0.9999195 | -0.9998434 |
| ## 24  | -0.9998188 | -0.9997123 | -0.9996572 | -0.9999671 | -0.9997929 | -0.9999368 |
| ## 25  | -0.9995873 | -0.9997422 | -0.9996875 | -0.9999965 | -0.9998751 | -0.9998991 |
| ## 26  | -0.9995848 | -0.9995896 | -0.9997377 | -0.9997975 | -0.9998870 | -0.9998877 |
| ## 27  | -0.9997386 | -0.9995173 | -0.9997652 | -0.9999983 | -0.9999115 | -0.9998524 |
| ## 28  | -0.9846324 | -0.9610202 | -0.9169007 | -0.8187446 | -0.8330749 | -0.9922869 |
| ## 29  | -0.9998725 | -0.9995723 | -0.9996947 | -0.9998955 | -0.9971880 | -0.9999199 |
| ## 30  | -0.9997630 | -0.9991288 | -0.9994040 | -0.9991917 | -0.9995211 | -0.9998946 |
| ## 31  | -0.9904537 | -0.9817950 | -0.9646199 | -0.9184727 | -0.8996978 | -0.9946286 |
| ## 32  | -0.9976943 | -0.9964429 | -0.9990438 | -0.9999032 | -0.8269612 | -0.9979930 |
| ## 33  | -0.9886504 | -0.9757159 | -0.9494483 | -0.8924586 | -0.9239762 | -0.9938563 |
| ## 34  | -0.9999031 | -0.9998050 | -0.9998548 | -0.9999012 | -0.9972931 | -0.9999557 |
| ## 35  | -0.9997855 | -0.9992704 | -0.9993125 | -0.9981353 | -0.9986351 | -0.9998906 |
| ## 36  | -0.9998686 | -0.9997943 | -0.9998815 | -0.9998595 | -0.9998550 | -0.9999421 |
| ## 37  | -0.9998693 | -0.9998456 | -0.9999067 | -0.9999950 | -0.9999645 | -0.9999226 |
| ## 38  | -0.9998634 | -0.9998705 | -0.9998647 | -0.9999541 | -0.9998807 | -0.9999390 |
| ## 39  | -0.9996969 | -0.9992971 | -0.9994413 | -0.9996400 | -0.9989857 | -0.9997692 |
| ## 40  | -0.9998675 | -0.9993456 | -0.9999436 | -0.9999157 | -0.9998078 | -0.9998878 |
| ## 41  | -0.9999290 | -0.9992676 | -0.9997937 | -0.9999841 | -0.9998084 | -0.9999056 |
| ## 42  | -0.9998963 | -0.9996110 | -0.9996433 | -0.9999720 | -0.9998697 | -0.9997950 |
| ## 43  | -0.9998463 | -0.9996708 | -0.9997123 | -0.9999998 | -0.9998964 | -0.9998288 |
| ## 44  | -0.9998124 | -0.9995744 | -0.9996606 | -0.9999934 | -0.9997696 | -0.9998822 |
| ## 45  | -0.9998459 | -0.9997575 | -0.9995190 | -0.9995746 | -0.9997219 | -0.9999035 |

|       |            |            |            |            |            |            |
|-------|------------|------------|------------|------------|------------|------------|
| ## 46 | -0.9999759 | -0.9997843 | -0.9999254 | -0.9999940 | -0.9998541 | -0.9999272 |
| ## 47 | -0.9999362 | -0.9997516 | -0.9997755 | -0.9998811 | -0.9998850 | -0.9999415 |
| ## 48 | -0.9997759 | -0.9996671 | -0.9996759 | -0.9998210 | -0.9997878 | -0.9999473 |
| ## 49 | -0.9998123 | -0.9997422 | -0.9999094 | -0.9999962 | -0.9997139 | -0.9999643 |
| ## 50 | -0.9999598 | -0.9997957 | -0.9998929 | -0.9999767 | -0.9998428 | -0.9999619 |
| ## 51 | -0.9999061 | -0.9996906 | -0.9994475 | -0.9999741 | -0.9998151 | -0.9999095 |
| ## 52 | -0.9985524 | -0.9977369 | -0.9975046 | -0.9948269 | -0.9922410 | -0.9994817 |
| ## 53 | -0.9995800 | -0.9998816 | -0.9993591 | -0.9995921 | -0.9995550 | -0.9998526 |
| ## 54 | -0.9998065 | -0.9997557 | -0.9996818 | -0.9999970 | -0.9999079 | -0.9999440 |
| ## 55 | -0.9998165 | -0.9996367 | -0.9995428 | -0.9999891 | -0.9999676 | -0.9999594 |
| ## 56 | -0.9997298 | -0.9996655 | -0.9996439 | -0.9998619 | -0.9999121 | -0.9999326 |
| ## 57 | -0.9997780 | -0.9998720 | -0.9995525 | -0.9999467 | -0.9998539 | -0.9998491 |
| ## 58 | -0.9998354 | -0.9996223 | -0.9994949 | -0.9999170 | -0.9999041 | -0.9999117 |
| ## 59 | -0.9999074 | -0.9994211 | -0.9997362 | -0.9999943 | -0.9998138 | -0.9999551 |
| ## 60 | -0.9998942 | -0.9997039 | -0.9995408 | -0.9999998 | -0.9997731 | -0.9999375 |
| ## 61 | -0.9997523 | -0.9996760 | -0.9995561 | -0.9997735 | -0.9998589 | -0.9999336 |
| ## 62 | -0.9997594 | -0.9996555 | -0.9996277 | -0.9999136 | -0.9998973 | -0.9998762 |
| ## 63 | -0.9998563 | -0.9996037 | -0.9997197 | -0.9998458 | -0.9999174 | -0.9998676 |
| ## 64 | -0.9998467 | -0.9998222 | -0.9996607 | -0.9999579 | -0.9999091 | -0.9998540 |
| ## 65 | -0.9889447 | -0.9694145 | -0.9652506 | -0.9184975 | -0.9518630 | -0.9925370 |
| ## 66 | -0.9996138 | -0.9991988 | -0.9977922 | -0.9976198 | -0.9997288 | -0.9996598 |
| ## 67 | -0.9735301 | -0.9729723 | -0.9653436 | -0.9305920 | -0.7512969 | -0.9909515 |
| ## 68 | -0.9784751 | -0.9875143 | -0.9932559 | -0.9870872 | -0.7041418 | -0.9929795 |
| ## 69 | -0.9889561 | -0.9747066 | -0.9575904 | -0.9029734 | -0.9147921 | -0.9948339 |
| ## 70 | -0.9941738 | -0.9892083 | -0.9775107 | -0.9766238 | -0.9496878 | -0.9915229 |
| ## 71 | -0.9613965 | -0.8644106 | -0.7520870 | -0.9000690 | -0.4663088 | -0.9852137 |
| ## 72 | -0.9707855 | -0.8868420 | -0.7711604 | -0.9963706 | -0.6252260 | -0.9892022 |
| ## 73 | -0.9844091 | -0.9768230 | -0.9599133 | -0.9247175 | -0.9250721 | -0.9958649 |
| ## 74 | -0.9998788 | -0.9995779 | -0.9996756 | -0.9999466 | -0.9991057 | -0.9997244 |
| ## 75 | -0.9999611 | -0.9997200 | -0.9997411 | -0.9999535 | -0.9997548 | -0.9998092 |
| ## 76 | -0.9999267 | -0.9996999 | -0.9997762 | -0.9997629 | -0.9999111 | -0.9999098 |
| ## 77 | -0.9998359 | -0.9995852 | -0.9997615 | -0.9999432 | -0.9999467 | -0.9998623 |
| ## 78 | -0.9998535 | -0.9995379 | -0.9998140 | -0.9999020 | -0.9999353 | -0.9998505 |
| ## 79 | -0.9805739 | -0.8853018 | -0.8328352 | -0.7877352 | -0.6707639 | -0.9281810 |
| ## 80 | -0.9022499 | -0.7778262 | -0.7297035 | -0.4763450 | -0.7543141 | -0.8716507 |
| ## 81 | -0.9639293 | -0.9123106 | -0.8941374 | -0.8585759 | -0.7593106 | -0.8950278 |
| ## 82 | -0.9496711 | -0.9104971 | -0.9734425 | -0.9980064 | -0.7030249 | -0.8931051 |
| ## 83 | -0.9341021 | -0.8860361 | -0.9465669 | -0.9742873 | -0.6282891 | -0.8796679 |
| ## 84 | -0.8985813 | -0.8348493 | -0.7877642 | -0.7111566 | -0.6207407 | -0.8861805 |
| ## 85 | -0.9640598 | -0.8672736 | -0.8815281 | -0.6971429 | -0.6641248 | -0.8797537 |
| ## 86 | -0.9342238 | -0.8067515 | -0.8078688 | -0.8026853 | -0.7131213 | -0.8606428 |
| ## 87 | -0.9785504 | -0.9338679 | -0.9062080 | -0.8818409 | -0.6158334 | -0.9251823 |
| ## 88 | -0.9430817 | -0.8960822 | -0.8689983 | -0.8718534 | -0.7154954 | -0.8581635 |
| ## 89 | -0.9289918 | -0.8629542 | -0.8712161 | -0.9592433 | -0.7183602 | -0.8860727 |
| ## 90 | -0.9580458 | -0.8817386 | -0.8554206 | -0.9653202 | -0.7297014 | -0.8983153 |
| ## 91 | -0.9210560 | -0.8764680 | -0.8395295 | -0.7786784 | -0.7304375 | -0.8368738 |
| ## 92 | -0.9010828 | -0.8588736 | -0.7975570 | -0.6410494 | -0.6773223 | -0.7926953 |
| ## 93 | -0.9146891 | -0.8393588 | -0.8601967 | -0.9414594 | -0.6861458 | -0.8132086 |
| ## 94 | -0.9440705 | -0.7997718 | -0.7151765 | -0.9082300 | -0.7148534 | -0.8647143 |
| ## 95 | -0.9765740 | -0.8933991 | -0.8661177 | -0.9544081 | -0.7097801 | -0.8663895 |

|        |            |            |            |            |            |            |
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| ## 96  | -0.9700499 | -0.8415315 | -0.8230929 | -0.9181305 | -0.6776274 | -0.8855977 |
| ## 97  | -0.9538215 | -0.9119844 | -0.8920185 | -0.9966342 | -0.6674085 | -0.8999667 |
| ## 98  | -0.9163683 | -0.8314646 | -0.7698467 | -0.6934965 | -0.7310096 | -0.8969232 |
| ## 99  | -0.9499025 | -0.9208142 | -0.8523563 | -0.9309439 | -0.7148487 | -0.8902113 |
| ## 100 | -0.8819470 | -0.6999288 | -0.7306248 | -0.4764688 | -0.7304061 | -0.8556016 |
| ## 101 | -0.9461311 | -0.8780382 | -0.9035198 | -0.9950944 | -0.7472758 | -0.8929570 |
| ## 102 | -0.9382027 | -0.8744752 | -0.7962376 | -0.7308883 | -0.7585891 | -0.8515778 |
| ## 103 | -0.9634240 | -0.9143196 | -0.8688471 | -0.8351278 | -0.7340294 | -0.8405276 |
| ## 104 | -0.9701493 | -0.9548769 | -0.9041079 | -0.9480945 | -0.6891475 | -0.8599050 |
| ## 105 | -0.9638118 | -0.9409160 | -0.7372692 | -0.6945966 | -0.6719955 | -0.8620592 |
| ## 106 | -0.9365299 | -0.8740545 | -0.9265254 | -0.9665932 | -0.6643293 | -0.9399302 |
| ## 107 | -0.8782040 | -0.9015898 | -0.9258275 | -0.9108576 | -0.6674996 | -0.9165807 |
| ## 108 | -0.9642632 | -0.7971761 | -0.9094441 | -0.7922782 | -0.6995111 | -0.8892619 |
| ## 109 | -0.9749241 | -0.8652711 | -0.8976527 | -0.9325149 | -0.7198933 | -0.8739755 |
| ## 110 | -0.9633620 | -0.8769995 | -0.8557301 | -0.9700349 | -0.7099456 | -0.9034930 |
| ## 111 | -0.9360942 | -0.9165888 | -0.7276964 | -0.7390007 | -0.7284065 | -0.9187506 |
| ## 112 | -0.9215644 | -0.8103328 | -0.7371041 | -0.8971375 | -0.6853554 | -0.7795741 |
| ## 113 | -0.9657677 | -0.8334634 | -0.7343432 | -0.9968737 | -0.7683820 | -0.9108152 |
| ## 114 | -0.9007602 | -0.8932834 | -0.8205856 | -0.8104202 | -0.7512715 | -0.9075831 |
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| ## 116 | -0.9045223 | -0.8387521 | -0.6558652 | -0.5117761 | -0.7149438 | -0.8939534 |
| ## 117 | -0.9678469 | -0.9784379 | -0.9262894 | -0.9834979 | -0.7073459 | -0.8894660 |
| ## 118 | -0.9259233 | -0.9660891 | -0.9233298 | -0.9390198 | -0.7219948 | -0.9227705 |
| ## 119 | -0.9605331 | -0.9610505 | -0.9547565 | -0.9956078 | -0.7304328 | -0.9292010 |
| ## 120 | -0.9791791 | -0.9820030 | -0.9798001 | -0.9975667 | -0.7565639 | -0.9352422 |
| ## 121 | -0.9519849 | -0.9184633 | -0.9124566 | -0.8450315 | -0.7292575 | -0.9367497 |
| ## 122 | -0.9589625 | -0.9241608 | -0.9514424 | -0.9566231 | -0.6836887 | -0.9372599 |
| ## 123 | -0.9736164 | -0.9374554 | -0.9333457 | -0.9307100 | -0.6758726 | -0.9220856 |
| ## 124 | -0.9417274 | -0.9027630 | -0.7730820 | -0.7388066 | -0.6735760 | -0.9067327 |
| ## 125 | -0.9486432 | -0.9448579 | -0.8957996 | -0.8908911 | -0.7187240 | -0.9290073 |
| ## 126 | -0.9756896 | -0.9517067 | -0.8773048 | -0.8725662 | -0.8432442 | -0.8837671 |
| ## 127 | -0.8792105 | -0.8313297 | -0.9676101 | -0.9993838 | -0.8067756 | -0.8565883 |
| ## 128 | -0.8667456 | -0.8148303 | -0.8354727 | -0.9495057 | -0.8371737 | -0.8164756 |
| ## 129 | -0.8918795 | -0.8438332 | -0.8715278 | -0.9908347 | -0.8287657 | -0.8129525 |
| ## 130 | -0.7953624 | -0.8008484 | -0.8855574 | -0.9659310 | -0.7794574 | -0.7436037 |
| ## 131 | -0.9100392 | -0.8710513 | -0.9377769 | -0.9998994 | -0.8127865 | -0.5960963 |
| ## 132 | -0.8518442 | -0.8778977 | -0.8815551 | -0.9990400 | -0.7980894 | -0.5836667 |
| ## 133 | -0.8471777 | -0.8290229 | -0.6415945 | -0.9838801 | -0.7956833 | -0.7479846 |
| ## 134 | -0.8853754 | -0.7295463 | -0.5478801 | -0.9232244 | -0.8433017 | -0.7623534 |
| ## 135 | -0.6974041 | -0.2340441 | 0.2646711  | 0.1372168  | -0.5797587 | -0.5787305 |
| ## 136 | -0.9236118 | -0.6293301 | -0.8927526 | -0.9946645 | -0.6547295 | -0.5579994 |
| ## 137 | -0.7978583 | -0.5598213 | -0.1995873 | 0.1456761  | -0.8014629 | -0.6343054 |
| ## 138 | -0.8619845 | -0.8963153 | -0.9149428 | -0.9888019 | -0.7463783 | -0.7748741 |
| ## 139 | -0.8730233 | -0.8324564 | -0.7788404 | -0.6873013 | -0.6847384 | -0.7924117 |
| ## 140 | -0.8684024 | -0.8734287 | -0.9035915 | -0.9298547 | -0.7483127 | -0.8130857 |
| ## 141 | -0.8423655 | -0.5707381 | -0.7878874 | -0.8161862 | -0.7939284 | -0.7185026 |
| ## 142 | -0.8631056 | -0.5934610 | -0.7660138 | -0.8254370 | -0.7549509 | -0.6532971 |
| ## 143 | -0.8870566 | -0.8542551 | -0.9719913 | -0.9566082 | -0.7583253 | -0.8607772 |
| ## 144 | -0.9122957 | -0.8417229 | -0.9614937 | -0.9560999 | -0.7878259 | -0.8484226 |
| ## 145 | -0.9519238 | -0.7576974 | -0.8225632 | -0.6415450 | -0.7723947 | -0.7324090 |

|        |            |             |            |            |                |               |
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| ## 146 | -0.9398117 | -0.8678016  | -0.9379343 | -0.9776860 | -0.7175125     | -0.7851108    |
| ## 147 | -0.9328887 | -0.9510176  | -0.8553040 | -0.9454636 | -0.7627323     | -0.8600988    |
| ## 148 | -0.9349610 | -0.8910494  | -0.8698492 | -0.9488908 | -0.8123975     | -0.7999956    |
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| ## 150 | -0.9337264 | -0.8252881  | -0.7384495 | -0.8729618 | -0.8207014     | -0.7741882    |
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| ##     | NA         | NA          | NA         | NA         | NA             |               |
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| ##    | NA         | NA           | NA         | NA         | NA         | NA            |
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| ## 2  | -0.9868384 | -0.989850940 | -0.9999596 | -0.9996396 | -0.9998466 | -0.9928433600 |
| ## 3  | -0.9975540 | -0.987237220 | -0.9998940 | -0.9996366 | -0.9997951 | -0.9818168800 |
| ## 4  | -0.9653808 | -0.992657270 | -0.9999235 | -0.9998031 | -0.9998830 | -0.9917761300 |
| ## 5  | -0.9959788 | -0.993258770 | -0.9999691 | -0.9998205 | -0.9998604 | -0.9961414700 |
| ## 6  | -0.9848585 | -0.992224900 | -0.9999511 | -0.9998280 | -0.9998562 | -0.9913534200 |
| ## 7  | -0.9670654 | -0.989435260 | -0.9999557 | -0.9997396 | -0.9997628 | -0.9946125000 |
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| ## 13 | -0.9993178 | -0.995882370 | -0.9999941 | -0.9998566 | -0.9998685 | -0.9982075900 |
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| ## 15 | -0.9838855 | -0.987735240 | -0.9998863 | -0.9997262 | -0.9998281 | -0.9890083100 |
| ## 16 | -0.9865056 | -0.995652890 | -0.9999540 | -0.9999433 | -0.9999163 | -0.9925646200 |
| ## 17 | -0.9703786 | -0.994936500 | -0.9999511 | -0.9998985 | -0.9999339 | -0.9939320100 |
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| ## 50 | -0.9886138 | -0.994895190 | -0.9999406 | -0.9998904 | -0.9999315 | -0.9931665400 |
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| ## 64 | -0.9933942 | -0.992762900 | -0.9999029 | -0.9999231 | -0.9998695 | -0.9892912100 |
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| ## 66 | -0.9845877 | -0.979002960 | -0.9997301 | -0.9997336 | -0.9995350 | -0.9787379400 |
| ## 67 | -0.9025208 | -0.760765770 | -0.9917258 | -0.9362015 | -0.9849206 | -0.8565042400 |
| ## 68 | -0.9778170 | -0.753442350 | -0.9910641 | -0.9332932 | -0.9836118 | -0.8770715900 |
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| ## 70 | -0.9408187 | -0.803978940 | -0.9860127 | -0.9773813 | -0.9914090 | -0.8546021900 |
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| ## 75 | -0.9889573 | -0.980429700 | -0.9995394 | -0.9996107 | -0.9998639 | -0.9734219600 |
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| ## 78 | -0.9942482 | -0.989910760 | -0.9998455 | -0.9998408 | -0.9998498 | -0.9831287800 |
| ## 79 | -0.8320226 | -0.210636860 | -0.6635667 | -0.6512689 | -0.9207418 | -0.0205884880 |
| ## 80 | -0.5503050 | -0.134179020 | -0.5990871 | -0.5136816 | -0.8924490 | -0.3371379000 |
| ## 81 | -0.3403547 | -0.147428910 | -0.6585820 | -0.5243769 | -0.9066479 | -0.1156636200 |
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| ## 84 | -0.5628580 | -0.141959910 | -0.7123361 | -0.5154325 | -0.8515898 | -0.2480116300 |
| ## 85 | -0.5752374 | -0.122502560 | -0.5931756 | -0.5472495 | -0.8687448 | 0.0255610680  |
| ## 86 | -0.6264955 | -0.108705060 | -0.5116688 | -0.4900476 | -0.8665121 | -0.0416653450 |
| ## 87 | -0.8832874 | -0.239575880 | -0.7564218 | -0.5617992 | -0.9176811 | -0.1466556000 |
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| ## 89 | -0.8812370 | -0.167132250 | -0.6540478 | -0.5611978 | -0.8730659 | -0.2325818400 |
| ## 90 | -0.8569739 | -0.139125270 | -0.5921377 | -0.5284699 | -0.8908294 | -0.1259894000 |
| ## 91 | -0.8106672 | -0.143813370 | -0.6404289 | -0.4349191 | -0.8666209 | -0.1813691100 |
| ## 92 | -0.6395434 | -0.080622059 | -0.6493380 | -0.3107983 | -0.8370862 | -0.0365900620 |
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| ## 100 | -0.6462473 | -0.015286733 | -0.4804624 | -0.4740460 | -0.8844801 | 0.0601101490  |
| ## 101 | -0.3976271 | -0.059540696 | -0.5246880 | -0.5052139 | -0.9002819 | -0.0103928300 |
| ## 102 | -0.6991998 | 0.058659542  | -0.5254789 | -0.2064673 | -0.8605564 | -0.0956734550 |
| ## 103 | -0.8798070 | 0.017695396  | -0.6259651 | -0.1713648 | -0.8645268 | -0.0568092170 |
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| ## 107 | -0.9389279 | -0.052503929 | -0.5441828 | -0.3940891 | -0.8733389 | -0.0340917540 |
| ## 108 | -0.5113387 | -0.006931843 | -0.5745100 | -0.2230203 | -0.8652625 | 0.0522748880  |
| ## 109 | -0.9026547 | -0.045801351 | -0.6345769 | -0.2452621 | -0.8787086 | -0.1809994200 |
| ## 110 | -0.8793395 | -0.059212829 | -0.6216839 | -0.3356907 | -0.8869307 | 0.0146673750  |
| ## 111 | -0.9746150 | -0.127150680 | -0.6202131 | -0.4241564 | -0.9088666 | -0.2432098500 |
| ## 112 | -0.9932514 | 0.045091522  | -0.5911603 | -0.1855266 | -0.7981090 | 0.0397188530  |
| ## 113 | -0.6521165 | -0.084012317 | -0.5710744 | -0.4986488 | -0.8979377 | -0.0452752010 |
| ## 114 | -0.5557529 | -0.122461440 | -0.5985179 | -0.5533034 | -0.8933554 | -0.1814633200 |
| ## 115 | -0.9776842 | -0.163538680 | -0.6449688 | -0.5168252 | -0.8862002 | -0.1124007700 |
| ## 116 | -0.6772974 | -0.133335040 | -0.6236075 | -0.4516170 | -0.8917431 | -0.1476025100 |
| ## 117 | -0.9935405 | -0.103704100 | -0.5461698 | -0.4222630 | -0.8923885 | -0.0568665190 |
| ## 118 | -0.9806196 | -0.118660030 | -0.5695277 | -0.4683599 | -0.9039885 | -0.1386462000 |
| ## 119 | -0.9983059 | -0.186018620 | -0.7370445 | -0.5383892 | -0.9103577 | -0.3287683500 |
| ## 120 | -0.9502439 | -0.238433260 | -0.6817427 | -0.6219166 | -0.9225741 | -0.2817076500 |
| ## 121 | -0.8701763 | -0.218940490 | -0.6726455 | -0.6078933 | -0.9179919 | -0.1302049500 |
| ## 122 | -0.9861001 | -0.183743140 | -0.7508493 | -0.4719360 | -0.9085504 | -0.3049344900 |
| ## 123 | -0.8486968 | -0.120711680 | -0.6482255 | -0.4416518 | -0.9034807 | 0.0588802610  |
| ## 124 | -0.7691229 | -0.175882220 | -0.6564025 | -0.5182280 | -0.8936992 | 0.0120148690  |
| ## 125 | -0.9349008 | -0.221179560 | -0.6959615 | -0.5465247 | -0.9077659 | -0.2002108700 |
| ## 126 | -0.7486926 | -0.215787370 | -0.6767256 | -0.6895169 | -0.9143647 | -0.1119613200 |
| ## 127 | -0.8589651 | -0.131034920 | -0.5937334 | -0.6596423 | -0.8608759 | -0.1041690200 |
| ## 128 | -0.4540653 | -0.049181497 | -0.5988296 | -0.5757203 | -0.8143884 | 0.0584994460  |
| ## 129 | -0.5324006 | -0.030922734 | -0.6326924 | -0.4762728 | -0.8056996 | 0.0307540680  |
| ## 130 | -0.3360893 | 0.058454260  | -0.5166284 | -0.5153037 | -0.7488478 | 0.1919520600  |
| ## 131 | -0.8581786 | 0.125790620  | -0.4173963 | -0.4569286 | -0.7117665 | 0.4236722100  |
| ## 132 | -0.7955005 | 0.063538635  | -0.5150942 | -0.5339619 | -0.7011863 | 0.3556550300  |
| ## 133 | -0.3777908 | -0.063662014 | -0.6423643 | -0.6466977 | -0.7577633 | 0.0123595470  |
| ## 134 | -0.2527500 | -0.050451344 | -0.6361978 | -0.6535870 | -0.7625237 | 0.0679326460  |
| ## 135 | 0.6298199  | 0.306176430  | -0.3432983 | -0.5074556 | -0.5436124 | 0.0773918120  |
| ## 136 | -0.9568051 | 0.174609680  | -0.3917408 | -0.5248815 | -0.6321640 | 0.2171923700  |
| ## 137 | -0.4265824 | 0.218975320  | -0.3711966 | -0.3310628 | -0.7023339 | 0.1211290500  |
| ## 138 | -0.4704251 | 0.151191920  | -0.4674622 | -0.3836553 | -0.7608360 | 0.3296667500  |
| ## 139 | -0.6764158 | 0.012720888  | -0.4897265 | -0.6773825 | -0.7684764 | -0.0390303750 |
| ## 140 | -0.7323099 | -0.051151762 | -0.5286589 | -0.6043861 | -0.8121856 | 0.2024564200  |
| ## 141 | -0.1391938 | 0.116818430  | -0.4029182 | -0.6210861 | -0.7226720 | 0.2535477700  |
| ## 142 | -0.7987920 | 0.060360247  | -0.4272524 | -0.7163520 | -0.6890555 | -0.0441310720 |
| ## 143 | -0.7191898 | -0.084923568 | -0.5342306 | -0.6012582 | -0.8639216 | 0.0422453330  |
| ## 144 | -0.8486941 | -0.066102226 | -0.5207099 | -0.6259466 | -0.8645799 | -0.0006015968 |
| ## 145 | -0.9930671 | 0.012636709  | -0.5166863 | -0.4440831 | -0.7932673 | -0.0988134060 |
| ## 146 | -0.9995579 | 0.058663249  | -0.4618900 | -0.3744000 | -0.7880452 | 0.1379107400  |
| ## 147 | -0.8722938 | -0.072723495 | -0.5606873 | -0.6548638 | -0.8672306 | -0.0708570720 |
| ## 148 | -0.8867965 | -0.146998450 | -0.5721219 | -0.7667646 | -0.8479636 | -0.1778919100 |
| ## 149 | -0.9684832 | -0.073251646 | -0.5590161 | -0.7441385 | -0.8035816 | -0.0287046620 |

|        |              |              |            |             |              |               |
|--------|--------------|--------------|------------|-------------|--------------|---------------|
| ## 150 | -0.7267429   | -0.088308347 | -0.6068644 | -0.6521122  | -0.8131394   | 0.1254618200  |
| ## 151 | -0.7527907   | -0.457473970 | -0.8434078 | -0.8609423  | -0.9353000   | -0.5153695300 |
| ## 152 | -0.9721884   | -0.495364540 | -0.8606359 | -0.8740838  | -0.9498217   | -0.4552719600 |
| ## 153 | -0.7055599   | -0.497470530 | -0.8909451 | -0.8318934  | -0.9665456   | -0.4321814800 |
| ## 154 | -0.8166060   | -0.455304080 | -0.8905703 | -0.7608806  | -0.9558766   | -0.4292932100 |
| ## 155 | -0.6841965   | -0.410670800 | -0.8411118 | -0.7601735  | -0.9370981   | -0.3842912800 |
| ## 156 | -0.8613715   | -0.438479780 | -0.8540466 | -0.8250503  | -0.9505683   | -0.2571691700 |
| ## 157 | -0.9342430   | -0.425193620 | -0.8415068 | -0.8338933  | -0.9415467   | -0.3115787300 |
| ## 158 | -0.9902288   | -0.405105130 | -0.8228337 | -0.8145245  | -0.9357334   | -0.3304523700 |
| ## 159 | -0.7580574   | -0.404745170 | -0.7612969 | -0.8544055  | -0.9478457   | -0.3137592200 |
| ## 160 | -0.9947193   | -0.494423520 | -0.8374760 | -0.8682041  | -0.9507404   | -0.3982253700 |
| ## 161 | -0.8921381   | -0.445509180 | -0.8534327 | -0.7990725  | -0.9461017   | -0.4214672900 |
| ## 162 | -0.9856185   | -0.437772080 | -0.8333894 | -0.8205058  | -0.9497559   | -0.2433695800 |
| ## 163 | -0.7895479   | -0.516721210 | -0.8693054 | -0.8726003  | -0.9702858   | -0.5330107600 |
| ## 164 | -0.8412632   | -0.461546060 | -0.8554445 | -0.8106505  | -0.9697173   | -0.3618333400 |
| ## 165 | -0.9524257   | -0.502804960 | -0.8589488 | -0.8390377  | -0.9682078   | -0.5377417600 |
| ## 166 | -0.8360259   | -0.600790900 | -0.9103221 | -0.9044125  | -0.9695322   | -0.6725477700 |
| ## 167 | -0.8895512   | -0.597453760 | -0.9248995 | -0.8985573  | -0.9646630   | -0.7178112900 |
| ## 168 | -0.9932202   | -0.526083330 | -0.8724758 | -0.8374017  | -0.9596551   | -0.5593047600 |
| ## 169 | -0.6796216   | -0.416893250 | -0.8450331 | -0.7363500  | -0.9590696   | -0.4187606000 |
| ## 170 | -0.9310077   | -0.401551400 | -0.8695778 | -0.7116361  | -0.9574551   | -0.3508173700 |
| ## 171 | -0.8806856   | -0.484725050 | -0.8945078 | -0.7858020  | -0.9554224   | -0.5396139200 |
| ## 172 | -0.8619090   | -0.471011830 | -0.8820960 | -0.7701296  | -0.9588460   | -0.5215131400 |
| ## 173 | -0.9783645   | -0.466925810 | -0.8926215 | -0.7660393  | -0.9636433   | -0.5109049200 |
| ## 174 | -0.7793772   | -0.430855010 | -0.8579702 | -0.7652641  | -0.9551265   | -0.3931366600 |
| ## 175 | -0.8662321   | -0.503554670 | -0.8598726 | -0.8248935  | -0.9631944   | -0.4550838000 |
| ## 176 | -0.9941423   | -0.395380940 | -0.8053983 | -0.7860474  | -0.9661579   | -0.4445259600 |
| ## 177 | -0.9605528   | -0.984622590 | -0.9999529 | -0.9996727  | -0.9996225   | -0.9958850800 |
| ##     | NA           | NA           | NA         | NA          | NA           | NA            |
| NA     |              |              |            |             |              |               |
| ## 1   | -0.991373390 | -0.99623962  | -1.0000000 | -1.00000000 | -1.000000000 | 1.00 -        |
| 0.24   |              |              |            |             |              |               |
| ## 2   | -0.985220650 | -0.99104933  | -1.0000000 | -1.00000000 | -1.000000000 | -0.32 -       |
| 0.12   |              |              |            |             |              |               |
| ## 3   | -0.984764830 | -0.98236421  | -1.0000000 | -1.00000000 | -1.000000000 | -0.16 -       |
| 0.48   |              |              |            |             |              |               |
| ## 4   | -0.990684890 | -0.99328839  | -1.0000000 | -1.00000000 | -1.000000000 | -0.12 -       |
| 0.56   |              |              |            |             |              |               |
| ## 5   | -0.992407660 | -0.98617880  | -1.0000000 | -1.00000000 | -1.000000000 | -0.32 -       |
| 0.08   |              |              |            |             |              |               |
| ## 6   | -0.991057240 | -0.98775269  | -1.0000000 | -1.00000000 | -1.000000000 | -0.32 -       |
| 0.36   |              |              |            |             |              |               |
| ## 7   | -0.989908780 | -0.98656320  | -1.0000000 | -1.00000000 | -1.000000000 | -0.12 -       |
| 0.60   |              |              |            |             |              |               |
| ## 8   | -0.983651970 | -0.99036817  | -1.0000000 | -1.00000000 | -1.000000000 | -0.20 -       |
| 0.48   |              |              |            |             |              |               |
| ## 9   | -0.984127420 | -0.99349981  | -1.0000000 | -1.00000000 | -1.000000000 | -0.20         |
| 0.20   |              |              |            |             |              |               |
| ## 10  | -0.972204260 | -0.98799489  | -1.0000000 | -0.93912029 | -1.000000000 | 0.12 -        |
| 0.56   |              |              |            |             |              |               |

|       |              |             |            |             |              |       |   |
|-------|--------------|-------------|------------|-------------|--------------|-------|---|
| ## 11 | -0.977580720 | -0.98265458 | -1.0000000 | -1.00000000 | -1.000000000 | 0.12  | - |
| 0.56  |              |             |            |             |              |       |   |
| ## 12 | -0.990120610 | -0.98348150 | -1.0000000 | -1.00000000 | -1.000000000 | -0.36 |   |
| 0.48  |              |             |            |             |              |       |   |
| ## 13 | -0.992198030 | -0.98950263 | -1.0000000 | -1.00000000 | -1.000000000 | -0.44 |   |
| 0.04  |              |             |            |             |              |       |   |
| ## 14 | -0.996211880 | -0.99013218 | -1.0000000 | -1.00000000 | -1.000000000 | -0.12 | - |
| 0.24  |              |             |            |             |              |       |   |
| ## 15 | -0.982943630 | -0.99167477 | -1.0000000 | -1.00000000 | -1.000000000 | -0.08 | - |
| 0.40  |              |             |            |             |              |       |   |
| ## 16 | -0.994810660 | -0.99462271 | -1.0000000 | -1.00000000 | -1.000000000 | -0.20 |   |
| 0.08  |              |             |            |             |              |       |   |
| ## 17 | -0.990738070 | -0.99533063 | -1.0000000 | -1.00000000 | -1.000000000 | -0.04 | - |
| 0.40  |              |             |            |             |              |       |   |
| ## 18 | -0.992628700 | -0.99204420 | -1.0000000 | -1.00000000 | -1.000000000 | -0.04 | - |
| 0.60  |              |             |            |             |              |       |   |
| ## 19 | -0.991640360 | -0.99146016 | -1.0000000 | -1.00000000 | -1.000000000 | -0.08 | - |
| 0.32  |              |             |            |             |              |       |   |
| ## 20 | -0.995025940 | -0.99160301 | -1.0000000 | -1.00000000 | -1.000000000 | 0.04  | - |
| 0.32  |              |             |            |             |              |       |   |
| ## 21 | -0.996809920 | -0.98848481 | -1.0000000 | -1.00000000 | -1.000000000 | -0.56 | - |
| 0.44  |              |             |            |             |              |       |   |
| ## 22 | -0.986790840 | -0.99022119 | -1.0000000 | -1.00000000 | -1.000000000 | -0.04 | - |
| 0.48  |              |             |            |             |              |       |   |
| ## 23 | -0.986128460 | -0.99096737 | -1.0000000 | -1.00000000 | -1.000000000 | -0.28 | - |
| 0.12  |              |             |            |             |              |       |   |
| ## 24 | -0.988143490 | -0.98991198 | -1.0000000 | -1.00000000 | -1.000000000 | -0.32 | - |
| 0.36  |              |             |            |             |              |       |   |
| ## 25 | -0.987932520 | -0.99090247 | -1.0000000 | -1.00000000 | -1.000000000 | -0.48 |   |
| 0.40  |              |             |            |             |              |       |   |
| ## 26 | -0.986799440 | -0.99012084 | -1.0000000 | -1.00000000 | -1.000000000 | -0.16 | - |
| 0.32  |              |             |            |             |              |       |   |
| ## 27 | -0.993364640 | -0.98330063 | -1.0000000 | -1.00000000 | -1.000000000 | -0.20 | - |
| 0.12  |              |             |            |             |              |       |   |
| ## 28 | -0.972005010 | -0.98727659 | -1.0000000 | -0.93912029 | -0.942216280 | -0.32 | - |
| 1.00  |              |             |            |             |              |       |   |
| ## 29 | -0.991433370 | -0.98799361 | -1.0000000 | -1.00000000 | -1.000000000 | 0.04  | - |
| 1.00  |              |             |            |             |              |       |   |
| ## 30 | -0.993879120 | -0.99088198 | -1.0000000 | -1.00000000 | -1.000000000 | 0.04  |   |
| 0.04  |              |             |            |             |              |       |   |
| ## 31 | -0.876603020 | -0.92149938 | -0.3847176 | -0.36190925 | -0.454913410 | -0.36 | - |
| 0.40  |              |             |            |             |              |       |   |
| ## 32 | -0.875105220 | -0.91030572 | -0.2745262 | -0.30937406 | -0.427157710 | -0.40 | - |
| 0.40  |              |             |            |             |              |       |   |
| ## 33 | -0.945493260 | -0.95552124 | -0.4851257 | -0.61823559 | -0.653535630 | -0.24 | - |
| 0.28  |              |             |            |             |              |       |   |
| ## 34 | -0.982701140 | -0.99366976 | -1.0000000 | -1.00000000 | -1.000000000 | -1.00 | - |
| 0.40  |              |             |            |             |              |       |   |
| ## 35 | -0.994710490 | -0.99606405 | -1.0000000 | -1.00000000 | -1.000000000 | 0.04  | - |
| 0.16  |              |             |            |             |              |       |   |



|       |              |             |            |             |              |       |   |
|-------|--------------|-------------|------------|-------------|--------------|-------|---|
| ## 36 | -0.991707040 | -0.99582785 | -1.0000000 | -1.00000000 | -1.000000000 | -0.08 |   |
| 0.08  |              |             |            |             |              |       |   |
| ## 37 | -0.991978230 | -0.99183057 | -1.0000000 | -1.00000000 | -1.000000000 | -0.12 |   |
| 0.08  |              |             |            |             |              |       |   |
| ## 38 | -0.988670500 | -0.99327009 | -1.0000000 | -1.00000000 | -1.000000000 | -0.20 | - |
| 0.24  |              |             |            |             |              |       |   |
| ## 39 | -0.976123290 | -0.97651866 | -1.0000000 | -1.00000000 | -1.000000000 | -0.28 | - |
| 0.72  |              |             |            |             |              |       |   |
| ## 40 | -0.993484250 | -0.99019384 | -1.0000000 | -1.00000000 | -1.000000000 | -0.08 |   |
| 0.12  |              |             |            |             |              |       |   |
| ## 41 | -0.994053410 | -0.98467552 | -1.0000000 | -1.00000000 | -1.000000000 | -0.20 |   |
| 0.28  |              |             |            |             |              |       |   |
| ## 42 | -0.992702430 | -0.99009595 | -1.0000000 | -1.00000000 | -1.000000000 | -0.48 | - |
| 0.28  |              |             |            |             |              |       |   |
| ## 43 | -0.996099230 | -0.98692944 | -1.0000000 | -1.00000000 | -1.000000000 | -0.48 | - |
| 0.12  |              |             |            |             |              |       |   |
| ## 44 | -0.995938480 | -0.98954152 | -1.0000000 | -1.00000000 | -1.000000000 | 0.08  | - |
| 0.36  |              |             |            |             |              |       |   |
| ## 45 | -0.995002400 | -0.99409035 | -1.0000000 | -1.00000000 | -1.000000000 | 0.12  | - |
| 0.32  |              |             |            |             |              |       |   |
| ## 46 | -0.994267940 | -0.99752586 | -1.0000000 | -1.00000000 | -1.000000000 | 0.16  | - |
| 0.32  |              |             |            |             |              |       |   |
| ## 47 | -0.992367750 | -0.99339156 | -1.0000000 | -1.00000000 | -1.000000000 | 0.12  | - |
| 0.08  |              |             |            |             |              |       |   |
| ## 48 | -0.994159420 | -0.98796741 | -1.0000000 | -1.00000000 | -1.000000000 | -0.04 | - |
| 0.20  |              |             |            |             |              |       |   |
| ## 49 | -0.992344050 | -0.98775348 | -1.0000000 | -1.00000000 | -1.000000000 | -0.08 | - |
| 0.20  |              |             |            |             |              |       |   |
| ## 50 | -0.994598000 | -0.99671180 | -1.0000000 | -1.00000000 | -1.000000000 | -0.08 |   |
| 0.00  |              |             |            |             |              |       |   |
| ## 51 | -0.994736880 | -0.99168903 | -1.0000000 | -1.00000000 | -1.000000000 | -0.04 | - |
| 0.32  |              |             |            |             |              |       |   |
| ## 52 | -0.896151460 | -0.97624998 | -0.6469475 | -0.52130996 | -0.942216280 | -0.52 | - |
| 0.44  |              |             |            |             |              |       |   |
| ## 53 | -0.990267950 | -0.98570662 | -1.0000000 | -1.00000000 | -1.000000000 | 0.04  | - |
| 0.28  |              |             |            |             |              |       |   |
| ## 54 | -0.994140820 | -0.99208665 | -1.0000000 | -1.00000000 | -1.000000000 | -0.52 | - |
| 0.28  |              |             |            |             |              |       |   |
| ## 55 | -0.994109250 | -0.99374776 | -1.0000000 | -1.00000000 | -1.000000000 | -0.64 |   |
| 0.28  |              |             |            |             |              |       |   |
| ## 56 | -0.995653090 | -0.98931135 | -1.0000000 | -1.00000000 | -1.000000000 | -0.60 |   |
| 0.24  |              |             |            |             |              |       |   |
| ## 57 | -0.991539990 | -0.98626879 | -1.0000000 | -1.00000000 | -1.000000000 | -0.64 |   |
| 0.24  |              |             |            |             |              |       |   |
| ## 58 | -0.993998580 | -0.98701509 | -1.0000000 | -1.00000000 | -1.000000000 | -0.64 | - |
| 0.40  |              |             |            |             |              |       |   |
| ## 59 | -0.991468390 | -0.99012756 | -1.0000000 | -1.00000000 | -1.000000000 | -0.08 | - |
| 0.04  |              |             |            |             |              |       |   |
| ## 60 | -0.988431650 | -0.98992988 | -1.0000000 | -1.00000000 | -1.000000000 | -0.12 | - |
| 0.40  |              |             |            |             |              |       |   |

|       |              |             |            |             |              |       |   |
|-------|--------------|-------------|------------|-------------|--------------|-------|---|
| ## 61 | -0.987784360 | -0.99072692 | -1.0000000 | -1.00000000 | -1.000000000 | 0.04  | - |
| 0.40  |              |             |            |             |              |       |   |
| ## 62 | -0.991590380 | -0.98977229 | -1.0000000 | -1.00000000 | -1.000000000 | -0.64 | - |
| 0.16  |              |             |            |             |              |       |   |
| ## 63 | -0.993632990 | -0.98664140 | -1.0000000 | -1.00000000 | -1.000000000 | -0.36 |   |
| 0.16  |              |             |            |             |              |       |   |
| ## 64 | -0.994446330 | -0.99035285 | -1.0000000 | -1.00000000 | -1.000000000 | -0.32 | - |
| 0.52  |              |             |            |             |              |       |   |
| ## 65 | -0.901066860 | -0.92425287 | -0.4685732 | -0.35957646 | -0.472575720 | -0.04 |   |
| 0.04  |              |             |            |             |              |       |   |
| ## 66 | -0.992299050 | -0.97902502 | -1.0000000 | -1.00000000 | -0.942216280 | 0.04  |   |
| 0.08  |              |             |            |             |              |       |   |
| ## 67 | -0.770053400 | -0.80314930 | -0.3613149 | 0.04456702  | -0.272704960 | -0.68 | - |
| 0.72  |              |             |            |             |              |       |   |
| ## 68 | -0.752040850 | -0.82067619 | -0.3017259 | 0.10615776  | -0.188980990 | -0.32 | - |
| 0.68  |              |             |            |             |              |       |   |
| ## 69 | -0.928772960 | -0.95219289 | -0.7585198 | -0.57464283 | -0.637649920 | -0.20 | - |
| 0.88  |              |             |            |             |              |       |   |
| ## 70 | -0.832848280 | -0.85500443 | -0.2397250 | -0.28363441 | -0.320929940 | 0.08  | - |
| 0.12  |              |             |            |             |              |       |   |
| ## 71 | -0.414781160 | -0.73119938 | 0.1647686  | 0.54028383  | 0.218721740  | -0.32 | - |
| 0.76  |              |             |            |             |              |       |   |
| ## 72 | -0.349559030 | -0.71014508 | 0.1381383  | 0.53742870  | 0.142599440  | -0.24 | - |
| 0.76  |              |             |            |             |              |       |   |
| ## 73 | -0.925220130 | -0.90816170 | -0.4358503 | -0.45740273 | -0.503761290 | -0.20 | - |
| 1.00  |              |             |            |             |              |       |   |
| ## 74 | -0.975051590 | -0.99115560 | -0.9436990 | -0.93912029 | -1.000000000 | -0.16 | - |
| 1.00  |              |             |            |             |              |       |   |
| ## 75 | -0.982118910 | -0.98637663 | -0.9027237 | -1.00000000 | -1.000000000 | -0.12 | - |
| 0.12  |              |             |            |             |              |       |   |
| ## 76 | -0.993360690 | -0.98992082 | -1.0000000 | -1.00000000 | -1.000000000 | -0.28 |   |
| 0.08  |              |             |            |             |              |       |   |
| ## 77 | -0.996258190 | -0.98699438 | -1.0000000 | -1.00000000 | -1.000000000 | 0.00  |   |
| 0.08  |              |             |            |             |              |       |   |
| ## 78 | -0.989686840 | -0.98779196 | -1.0000000 | -1.00000000 | -1.000000000 | 0.12  | - |
| 0.32  |              |             |            |             |              |       |   |
| ## 79 | -0.410271440 | -0.64509966 | 0.6651367  | 0.56372869  | 0.131521590  | -0.32 | - |
| 0.40  |              |             |            |             |              |       |   |
| ## 80 | -0.378681610 | -0.60303213 | 0.5227795  | 0.54213217  | 0.294396450  | -0.48 | - |
| 0.40  |              |             |            |             |              |       |   |
| ## 81 | -0.365481620 | -0.60107598 | 0.6676022  | 0.63526221  | 0.196490490  | -0.48 | - |
| 0.40  |              |             |            |             |              |       |   |
| ## 82 | -0.403021890 | -0.52336070 | 0.6780974  | 0.50468259  | 0.363306910  | -0.48 | - |
| 0.56  |              |             |            |             |              |       |   |
| ## 83 | -0.147259460 | -0.50541838 | 0.5544265  | 0.70569082  | 0.401853650  | -0.48 | - |
| 0.56  |              |             |            |             |              |       |   |
| ## 84 | -0.352237820 | -0.55430835 | 0.4366041  | 0.52779536  | 0.405999070  | -0.48 | - |
| 0.56  |              |             |            |             |              |       |   |
| ## 85 | -0.406380510 | -0.49431541 | 0.6613912  | 0.58928407  | 0.378260770  | -0.32 | - |
| 0.40  |              |             |            |             |              |       |   |

|        |              |             |           |            |             |       |   |
|--------|--------------|-------------|-----------|------------|-------------|-------|---|
| ## 86  | -0.241968450 | -0.57691109 | 0.6265589 | 0.61046747 | 0.386674480 | -0.32 | - |
| 0.40   |              |             |           |            |             |       |   |
| ## 87  | -0.358827340 | -0.52591886 | 0.5718566 | 0.59295317 | 0.272055580 | -0.52 | - |
| 0.60   |              |             |           |            |             |       |   |
| ## 88  | -0.171463950 | -0.44502105 | 0.6006399 | 0.70382000 | 0.317505540 | -0.48 | - |
| 0.40   |              |             |           |            |             |       |   |
| ## 89  | -0.375480430 | -0.56248189 | 0.6212255 | 0.55997351 | 0.342296880 | -0.48 | - |
| 0.28   |              |             |           |            |             |       |   |
| ## 90  | -0.426925540 | -0.54726090 | 0.6209165 | 0.62567680 | 0.355409780 | -0.48 | - |
| 0.56   |              |             |           |            |             |       |   |
| ## 91  | -0.479070420 | -0.44898927 | 0.6212335 | 0.62500366 | 0.385656870 | -0.48 | - |
| 0.56   |              |             |           |            |             |       |   |
| ## 92  | -0.294790200 | -0.39896185 | 0.6529742 | 0.60133058 | 0.377442790 | -0.76 | - |
| 0.56   |              |             |           |            |             |       |   |
| ## 93  | -0.139482610 | -0.46224364 | 0.6475721 | 0.75100913 | 0.432906820 | -0.48 | - |
| 0.48   |              |             |           |            |             |       |   |
| ## 94  | -0.179262540 | -0.52305250 | 0.6860613 | 0.77060412 | 0.278027080 | -0.48 | - |
| 0.40   |              |             |           |            |             |       |   |
| ## 95  | -0.354471140 | -0.48763629 | 0.6947629 | 0.61169706 | 0.414692350 | -0.28 | - |
| 0.56   |              |             |           |            |             |       |   |
| ## 96  | -0.393815540 | -0.51682172 | 0.6989230 | 0.49416333 | 0.380937480 | -0.32 | - |
| 0.40   |              |             |           |            |             |       |   |
| ## 97  | -0.182724420 | -0.47026445 | 0.5922884 | 0.62888453 | 0.379416390 | -0.32 | - |
| 0.60   |              |             |           |            |             |       |   |
| ## 98  | -0.351646970 | -0.56147305 | 0.5223909 | 0.65432361 | 0.295982720 | -0.36 | - |
| 0.44   |              |             |           |            |             |       |   |
| ## 99  | -0.243786780 | -0.53280118 | 0.6522099 | 0.71693794 | 0.345664000 | -0.48 | - |
| 0.56   |              |             |           |            |             |       |   |
| ## 100 | -0.416460290 | -0.61459183 | 0.6064322 | 0.64248707 | 0.322071130 | -0.28 | - |
| 0.56   |              |             |           |            |             |       |   |
| ## 101 | -0.362691230 | -0.57139442 | 0.6909927 | 0.63679274 | 0.244506370 | -0.48 | - |
| 0.56   |              |             |           |            |             |       |   |
| ## 102 | -0.086763417 | -0.44402497 | 0.7274024 | 0.80146455 | 0.384548440 | -0.44 | - |
| 0.36   |              |             |           |            |             |       |   |
| ## 103 | -0.046196676 | -0.52446659 | 0.7303913 | 0.76013009 | 0.409051570 | -0.48 | - |
| 0.56   |              |             |           |            |             |       |   |
| ## 104 | 0.137106050  | -0.60855995 | 0.6402343 | 0.77738233 | 0.301516490 | -0.12 | - |
| 0.40   |              |             |           |            |             |       |   |
| ## 105 | -0.194220850 | -0.58414333 | 0.6713589 | 0.75924946 | 0.332368810 | -0.32 | - |
| 0.40   |              |             |           |            |             |       |   |
| ## 106 | -0.358012210 | -0.58854377 | 0.6329118 | 0.61797631 | 0.268342850 | -0.48 | - |
| 0.40   |              |             |           |            |             |       |   |
| ## 107 | -0.127814560 | -0.49161961 | 0.6824699 | 0.72852330 | 0.354321450 | -0.48 | - |
| 0.40   |              |             |           |            |             |       |   |
| ## 108 | -0.334823240 | -0.49628259 | 0.6970289 | 0.77478810 | 0.382969670 | -0.48 | - |
| 0.56   |              |             |           |            |             |       |   |
| ## 109 | -0.186900750 | -0.53829635 | 0.4965102 | 0.69178642 | 0.318473710 | -0.48 | - |
| 0.28   |              |             |           |            |             |       |   |
| ## 110 | -0.280032750 | -0.58517287 | 0.5624886 | 0.74185111 | 0.365758310 | -0.32 | - |
| 0.40   |              |             |           |            |             |       |   |

|        |              |             |           |            |             |       |   |
|--------|--------------|-------------|-----------|------------|-------------|-------|---|
| ## 111 | -0.282474460 | -0.54700510 | 0.6480964 | 0.69963776 | 0.287102120 | -0.32 | - |
|        | 0.40         |             |           |            |             |       |   |
| ## 112 | -0.194556810 | -0.44406576 | 0.6711090 | 0.76336303 | 0.513814930 | -0.48 | - |
|        | 0.36         |             |           |            |             |       |   |
| ## 113 | -0.438867210 | -0.50376303 | 0.7228208 | 0.62997951 | 0.320127100 | -0.48 | - |
|        | 0.56         |             |           |            |             |       |   |
| ## 114 | -0.419488240 | -0.57469006 | 0.6089982 | 0.62736966 | 0.342616590 | -0.48 | - |
|        | 0.56         |             |           |            |             |       |   |
| ## 115 | -0.368451360 | -0.54576714 | 0.6118003 | 0.63517897 | 0.286377800 | -0.48 | - |
|        | 0.56         |             |           |            |             |       |   |
| ## 116 | -0.233865270 | -0.64044184 | 0.6108804 | 0.64006976 | 0.330416720 | -0.48 | - |
|        | 0.40         |             |           |            |             |       |   |
| ## 117 | -0.196422780 | -0.49166748 | 0.5771489 | 0.63105672 | 0.342814760 | -0.32 | - |
|        | 0.40         |             |           |            |             |       |   |
| ## 118 | -0.342621210 | -0.54600356 | 0.6796418 | 0.64268211 | 0.302614480 | -0.32 | - |
|        | 0.40         |             |           |            |             |       |   |
| ## 119 | -0.501899730 | -0.58509941 | 0.4696923 | 0.57527935 | 0.260213040 | -0.32 | - |
|        | 0.40         |             |           |            |             |       |   |
| ## 120 | -0.385455530 | -0.53209698 | 0.5925323 | 0.55037590 | 0.259457720 | -0.32 | - |
|        | 0.40         |             |           |            |             |       |   |
| ## 121 | -0.313907270 | -0.58492665 | 0.5826150 | 0.57768413 | 0.262519860 | -0.32 | - |
|        | 0.60         |             |           |            |             |       |   |
| ## 122 | -0.200159660 | -0.61953030 | 0.5680120 | 0.70190482 | 0.260167260 | -0.16 | - |
|        | 0.44         |             |           |            |             |       |   |
| ## 123 | -0.273431360 | -0.60112923 | 0.6374513 | 0.72204450 | 0.303246360 | -0.52 | - |
|        | 0.44         |             |           |            |             |       |   |
| ## 124 | -0.342689480 | -0.59430079 | 0.5911586 | 0.65745287 | 0.301841860 | -0.32 | - |
|        | 0.40         |             |           |            |             |       |   |
| ## 125 | -0.396165360 | -0.52478486 | 0.4636550 | 0.51067904 | 0.306082210 | -0.32 | - |
|        | 0.40         |             |           |            |             |       |   |
| ## 126 | -0.276250000 | -0.60137760 | 0.6069145 | 0.55193171 | 0.243626680 | -0.28 |   |
|        | 0.00         |             |           |            |             |       |   |
| ## 127 | -0.386903530 | -0.45867670 | 0.7237731 | 0.56855977 | 0.369859210 | -0.88 | - |
|        | 0.36         |             |           |            |             |       |   |
| ## 128 | -0.211368390 | -0.30061546 | 0.6985848 | 0.66835129 | 0.515998650 | -0.88 | - |
|        | 0.56         |             |           |            |             |       |   |
| ## 129 | -0.218844240 | -0.33501122 | 0.6417031 | 0.70279026 | 0.491069800 | -0.28 | - |
|        | 0.52         |             |           |            |             |       |   |
| ## 130 | -0.217645710 | -0.31973143 | 0.7368227 | 0.73298835 | 0.551493040 | -0.88 | - |
|        | 0.64         |             |           |            |             |       |   |
| ## 131 | -0.063852109 | -0.31720036 | 0.8005562 | 0.70961525 | 0.576976210 | -0.88 | - |
|        | 0.40         |             |           |            |             |       |   |
| ## 132 | -0.287540940 | -0.26578850 | 0.8019676 | 0.65104274 | 0.580090520 | -0.88 | - |
|        | 0.28         |             |           |            |             |       |   |
| ## 133 | -0.422823390 | -0.22344436 | 0.6805171 | 0.55061280 | 0.509889220 | -0.88 | - |
|        | 0.28         |             |           |            |             |       |   |
| ## 134 | -0.385632660 | -0.26238919 | 0.7159055 | 0.56480667 | 0.497789730 | -0.68 | - |
|        | 0.32         |             |           |            |             |       |   |
| ## 135 | -0.188802160 | 0.09644528  | 0.7722124 | 0.52865054 | 0.619468920 | -0.88 | - |
|        | 0.40         |             |           |            |             |       |   |

|        |              |             |           |            |              |       |       |
|--------|--------------|-------------|-----------|------------|--------------|-------|-------|
| ## 136 | -0.214096970 | -0.02888595 | 0.6499321 | 0.71581067 | 0.697539970  | -0.20 | -0.36 |
| ## 137 | -0.314238100 | -0.30685888 | 0.7810311 | 0.66263852 | 0.545186690  | -0.84 | -0.60 |
| ## 138 | 0.009318812  | -0.31597133 | 0.7994826 | 0.67106552 | 0.576546390  | -0.20 | -0.32 |
| ## 139 | -0.178870400 | -0.37210175 | 0.7047531 | 0.57600555 | 0.448010630  | -0.68 | -0.68 |
| ## 140 | -0.290674610 | -0.50613059 | 0.7011604 | 0.54998382 | 0.474603920  | -0.32 | -0.60 |
| ## 141 | -0.396601340 | -0.28701251 | 0.7261867 | 0.54588867 | 0.509823590  | -0.84 | -0.64 |
| ## 142 | -0.425308800 | -0.22506951 | 0.7503325 | 0.51892557 | 0.614532470  | -0.84 | -0.28 |
| ## 143 | -0.250975770 | -0.48129225 | 0.5416599 | 0.63320242 | 0.310317800  | -0.84 | -0.36 |
| ## 144 | -0.404790700 | -0.59788353 | 0.7112076 | 0.59027850 | 0.338545240  | -0.84 | -0.36 |
| ## 145 | -0.270562170 | -0.46764617 | 0.6935587 | 0.72256186 | 0.468608390  | -0.24 | -0.48 |
| ## 146 | 0.010013189  | -0.48457774 | 0.7144301 | 0.77771055 | 0.522585030  | -0.24 | -0.24 |
| ## 147 | -0.436836330 | -0.50920855 | 0.7272914 | 0.60060823 | 0.400129030  | -0.68 | -0.52 |
| ## 148 | -0.506291320 | -0.50036486 | 0.6542015 | 0.39121391 | 0.398510370  | -0.88 | -0.64 |
| ## 149 | -0.340862680 | -0.23975113 | 0.7233024 | 0.51029949 | 0.506357270  | -0.24 | -0.12 |
| ## 150 | -0.291015200 | -0.41281554 | 0.6828770 | 0.61311098 | 0.450937640  | -0.24 | -0.40 |
| ## 151 | -0.604004150 | -0.64895315 | 0.4186011 | 0.26842784 | 0.132161410  | -0.72 | -0.88 |
| ## 152 | -0.653586820 | -0.71500045 | 0.3387240 | 0.20972026 | 0.090247872  | -0.72 | -0.88 |
| ## 153 | -0.680074210 | -0.78723207 | 0.2615774 | 0.33377566 | -0.023108747 | -0.88 | -0.88 |
| ## 154 | -0.514770080 | -0.71769208 | 0.3455691 | 0.42532153 | 0.081859556  | -0.88 | -0.44 |
| ## 155 | -0.461015080 | -0.58908771 | 0.4047198 | 0.49958018 | 0.172803060  | -0.32 | -0.48 |
| ## 156 | -0.545209640 | -0.69703097 | 0.4340955 | 0.38459932 | 0.133053940  | -0.28 | -0.44 |
| ## 157 | -0.626526400 | -0.64583762 | 0.4577116 | 0.33560234 | 0.141511620  | -0.88 | -0.40 |
| ## 158 | -0.499586370 | -0.64970340 | 0.4270923 | 0.41894963 | 0.169511970  | -0.88 | -0.72 |
| ## 159 | -0.611832250 | -0.72783463 | 0.5058570 | 0.28486459 | 0.113616450  | -0.88 | -0.88 |
| ## 160 | -0.621057170 | -0.71064541 | 0.4012443 | 0.28338038 | 0.012289068  | -0.88 | -0.88 |

```

## 161 -0.450371170 -0.65140250 0.4237100 0.36582629 0.104094100 -0.88 -
0.88
## 162 -0.546686220 -0.68371657 0.4179177 0.33887923 0.107884130 -0.72 -
0.88
## 163 -0.586903810 -0.76360790 0.3982216 0.31566544 -0.064575600 -0.36 -
0.88
## 164 -0.496397130 -0.80375698 0.4216279 0.38991030 -0.058183882 -0.32 -
0.88
## 165 -0.654329280 -0.78898389 0.3771208 0.34942531 -0.040443826 -0.72 -
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## 166 -0.678637420 -0.74760224 0.1979828 0.18214324 -0.022251440 -0.88 -
0.88
## 167 -0.645317440 -0.79961611 0.1356273 0.20635136 0.007925612 -0.88 -
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## 168 -0.578912540 -0.78434433 0.3004982 0.36181892 0.048318977 -0.88 -
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## 169 -0.426438530 -0.75025336 0.4133454 0.54421694 0.022314449 -0.88 -
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## 170 -0.381112330 -0.70103782 0.4189300 0.55733313 0.068372659 -0.88 -
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## 171 -0.584993550 -0.74913653 0.3600102 0.34198529 0.034288472 -0.88 -
0.88
## 172 -0.531622760 -0.71459318 0.3238679 0.47281490 0.052543230 -0.16 -
0.48
## 173 -0.333047740 -0.75328579 0.3413291 0.45532843 0.031723749 -0.24 -
0.44
## 174 -0.518407310 -0.75286547 0.4465942 0.46158159 0.061729402 -0.24 -
0.48
## 175 -0.632914630 -0.71730209 0.3575005 0.33470299 0.027462688 -0.88 -
0.48
## 176 -0.476674630 -0.74776054 0.5103603 0.38541743 -0.029682998 -0.32 -
0.40
## 177 -0.988590810 -0.98456765 -1.0000000 -1.00000000 -1.000000000 -0.16 -
0.76

```

| ##    | NA    | NA          | NA           | NA          | NA           | NA          |
|-------|-------|-------------|--------------|-------------|--------------|-------------|
| ## 1  | -1.00 | 0.870384510 | 0.210697000  | 0.26370789  | -0.703685770 | -0.90374251 |
| ## 2  | -0.32 | 0.608513520 | -0.053675613 | 0.06314827  | -0.630304950 | -0.91039449 |
| ## 3  | -0.28 | 0.115434000 | -0.193436340 | 0.03825433  | -0.594758830 | -0.92354104 |
| ## 4  | -0.28 | 0.035798053 | -0.093035847 | 0.16809523  | -0.263851400 | -0.75722852 |
| ## 5  | 0.04  | 0.273350200 | 0.079135382  | 0.29238418  | -0.522157110 | -0.81298725 |
| ## 6  | 0.52  | 0.328835890 | 0.054771404  | 0.32094497  | -0.594628710 | -0.90533841 |
| ## 7  | 0.00  | 0.356404110 | 0.050785859  | 0.20893077  | -0.298142240 | -0.65219086 |
| ## 8  | -0.04 | 0.294943480 | 0.022930174  | 0.02694164  | -0.606378320 | -0.87103902 |
| ## 9  | -0.04 | 0.286449480 | 0.152200080  | 0.25011504  | -0.477107310 | -0.79942107 |
| ## 10 | -0.08 | 0.211778580 | -0.041894735 | 0.02995693  | -0.488761080 | -0.86825037 |
| ## 11 | -0.68 | 0.298147060 | -0.116641590 | 0.07587141  | -0.427557230 | -0.79356544 |
| ## 12 | 0.04  | 0.362423010 | 0.085267402  | 0.23596642  | -0.474231640 | -0.84250823 |
| ## 13 | -0.28 | 0.272144630 | 0.197263570  | 0.14741231  | -0.374494320 | -0.74681725 |
| ## 14 | -0.16 | 0.270963850 | 0.170853970  | -0.02255032 | -0.401720880 | -0.83619668 |
| ## 15 | -0.48 | 0.431678730 | -0.311964500 | -0.06730017 | -0.536218580 | -0.89823199 |

|       |       |              |              |              |              |             |
|-------|-------|--------------|--------------|--------------|--------------|-------------|
| ## 16 | 0.04  | 0.293521350  | -0.038750943 | 0.31368835   | -0.627149320 | -0.90234856 |
| ## 17 | -0.52 | 0.298100650  | 0.042417242  | 0.21892784   | -0.246761530 | -0.62983069 |
| ## 18 | -0.24 | 0.239296220  | -0.067847456 | 0.13728835   | -0.510274530 | -0.82855905 |
| ## 19 | -0.44 | 0.328290760  | -0.052247515 | 0.06668089   | -0.575663850 | -0.85813461 |
| ## 20 | 0.00  | 0.153222510  | -0.008567331 | 0.23363094   | -0.769501100 | -0.94713002 |
| ## 21 | -0.28 | 0.302778950  | 0.145946530  | 0.08777639   | -0.617007450 | -0.90432600 |
| ## 22 | 0.04  | 0.321051150  | 0.308977270  | 0.40567757   | -0.550060990 | -0.86323966 |
| ## 23 | -0.04 | 0.315472120  | 0.151835270  | 0.27388505   | -0.438127310 | -0.84857989 |
| ## 24 | -0.40 | 0.307074080  | 0.087754562  | 0.19355673   | -0.594439550 | -0.87283076 |
| ## 25 | 0.28  | 0.478843330  | 0.169540350  | 0.32078760   | -0.296682110 | -0.73768773 |
| ## 26 | 0.32  | 0.223872220  | 0.236000150  | 0.29543031   | -0.497287250 | -0.87555034 |
| ## 27 | 0.00  | 0.467846190  | 0.201639270  | 0.29315673   | 0.184093630  | -0.20675026 |
| ## 28 | -1.00 | 0.259880550  | -0.598503440 | -0.27117090  | -0.276026620 | -0.77156238 |
| ## 29 | 0.04  | 0.187730560  | -0.198845260 | 0.22072527   | -0.424358980 | -0.79994498 |
| ## 30 | 0.04  | 0.460114210  | 0.031410500  | 0.16349957   | -0.662650550 | -0.91872901 |
| ## 31 | -0.96 | -0.006406553 | -0.604098500 | -1.000000000 | 0.071059033  | -0.42897192 |
| ## 32 | -0.92 | -0.245814910 | -0.601925070 | -0.94151016  | -0.242352300 | -0.71242425 |
| ## 33 | -0.88 | 0.263047660  | -0.549491890 | -0.58818391  | 0.250695100  | -0.23621787 |
| ## 34 | -0.48 | 0.240032130  | -0.226336210 | -0.12355492  | -0.625218520 | -0.92750631 |
| ## 35 | -0.44 | 0.410774550  | 0.209076250  | -0.08994818  | -0.532493190 | -0.88636602 |
| ## 36 | -0.32 | 0.234097900  | 0.303833850  | 0.24861129   | -0.596795520 | -0.87159158 |
| ## 37 | -0.28 | 0.249081440  | 0.230650290  | 0.13494586   | -0.466915860 | -0.81330780 |
| ## 38 | 0.32  | 0.157007750  | 0.055799457  | 0.08142481   | -0.563828650 | -0.86793341 |
| ## 39 | -0.12 | 0.273963040  | -0.297175150 | 0.11202399   | -0.368269730 | -0.74708896 |
| ## 40 | -0.40 | 0.378709750  | 0.161354560  | 0.08031657   | -0.232272470 | -0.74198267 |
| ## 41 | -0.40 | 0.014616459  | 0.109348470  | 0.08422511   | -0.506320380 | -0.84918184 |
| ## 42 | -0.36 | 0.031498302  | 0.224320890  | 0.08030522   | -0.619408140 | -0.91815573 |
| ## 43 | -0.16 | 0.283633610  | 0.029142162  | 0.11532156   | -0.616825980 | -0.91265509 |
| ## 44 | -0.28 | 0.326857550  | 0.149419060  | 0.31863939   | -0.607611960 | -0.87976862 |
| ## 45 | -0.24 | 0.256640230  | 0.291651150  | 0.09012413   | -0.725764840 | -0.94173030 |
| ## 46 | -0.20 | 0.215328580  | 0.015661251  | -0.01866270  | -0.259207410 | -0.64492619 |
| ## 47 | -0.20 | 0.227294420  | 0.126603340  | 0.11905236   | 0.308725330  | 0.07941842  |
| ## 48 | -0.20 | 0.280923370  | -0.048640788 | 0.13977148   | -0.426814450 | -0.80550025 |
| ## 49 | -0.40 | 0.245466650  | 0.006360147  | -0.01846428  | -0.166662380 | -0.61766035 |
| ## 50 | -0.40 | 0.300477840  | 0.104530590  | 0.24729601   | -0.432656810 | -0.82977503 |
| ## 51 | 0.04  | 0.392535400  | 0.154774560  | 0.43060319   | -0.614694190 | -0.88959988 |
| ## 52 | -0.44 | -0.054980692 | -0.166353430 | -0.12840717  | -0.408992360 | -0.84805415 |
| ## 53 | 0.16  | 0.152576040  | 0.087052284  | 0.16369105   | -0.476008670 | -0.84927081 |
| ## 54 | -0.56 | 0.249632450  | 0.102151850  | 0.25505110   | -0.629488670 | -0.90305949 |
| ## 55 | -0.24 | 0.254816150  | 0.178791820  | 0.43735373   | -0.323029790 | -0.72167728 |
| ## 56 | -0.20 | 0.168071250  | 0.303643110  | 0.33697381   | -0.597141330 | -0.92467389 |
| ## 57 | -0.24 | 0.187720100  | 0.275884060  | 0.18979962   | -0.474653950 | -0.79309229 |
| ## 58 | 0.08  | 0.149532160  | 0.142851660  | 0.44449049   | -0.315409480 | -0.64125802 |
| ## 59 | 0.12  | 0.126268740  | 0.047782148  | 0.18853112   | -0.528144240 | -0.86048152 |
| ## 60 | 0.04  | 0.160048740  | 0.276633320  | 0.10515966   | -0.627250610 | -0.92584221 |
| ## 61 | 0.20  | 0.180982510  | 0.174287760  | 0.43300776   | -0.514409430 | -0.82476222 |
| ## 62 | -0.16 | 0.265143770  | 0.182162160  | 0.31662248   | -0.412157360 | -0.75637146 |
| ## 63 | 0.16  | 0.239106500  | 0.062977287  | 0.26689833   | -0.678267880 | -0.93035126 |
| ## 64 | 0.16  | 0.262981730  | 0.151033540  | 0.28121312   | -0.589475370 | -0.88473559 |
| ## 65 | -0.04 | 0.015272279  | 0.391993640  | -0.02135718  | -0.556616170 | -0.82629940 |

|        |       |              |              |             |              |             |
|--------|-------|--------------|--------------|-------------|--------------|-------------|
| ## 66  | -0.16 | 0.084542057  | -0.003190855 | 0.11757263  | -0.533933910 | -0.90130044 |
| ## 67  | -0.72 | -0.346337740 | -0.868525060 | -0.55169544 | -0.657140560 | -0.92745709 |
| ## 68  | -0.72 | -0.402187610 | -0.879951110 | -0.58193048 | -0.635300470 | -0.90537285 |
| ## 69  | -0.88 | 0.018574341  | -0.477699620 | -0.18934396 | -0.309238520 | -0.77131015 |
| ## 70  | -0.36 | 0.128185320  | -0.192542110 | -0.41708085 | -0.148498050 | -0.65376594 |
| ## 71  | -0.72 | -0.089937610 | -0.245490300 | -0.29874883 | -0.669772080 | -0.92913410 |
| ## 72  | -0.68 | -0.068720793 | -0.243446760 | -0.26722372 | -0.611178450 | -0.92357875 |
| ## 73  | -0.52 | -0.283167860 | -0.353021180 | 0.07558809  | -0.320341990 | -0.78821669 |
| ## 74  | -0.08 | 0.255911290  | -0.553216760 | 0.14471338  | -0.389663860 | -0.80537578 |
| ## 75  | -0.48 | 0.279288250  | 0.001172976  | -0.02100248 | -0.391210900 | -0.81890697 |
| ## 76  | -0.04 | 0.230982370  | 0.238524670  | 0.08736471  | -0.432352860 | -0.78374833 |
| ## 77  | 0.04  | 0.140042410  | 0.111757250  | 0.31428141  | -0.462318710 | -0.84219929 |
| ## 78  | -0.20 | 0.211051620  | 0.089327877  | 0.24773636  | -0.486300810 | -0.85162061 |
| ## 79  | -0.32 | -0.352554420 | -0.520371050 | 0.05423699  | -0.412856340 | -0.83456258 |
| ## 80  | -0.20 | -0.289005870 | -0.316830680 | -0.18418296 | -0.136743590 | -0.66765604 |
| ## 81  | -0.20 | -0.134446240 | -0.481985960 | -0.04421427 | -0.253163650 | -0.68797046 |
| ## 82  | -0.48 | -0.276362490 | -0.465123230 | -0.32863964 | -0.150466350 | -0.63777661 |
| ## 83  | -0.48 | -0.381210790 | -0.375564710 | -0.30822461 | -0.200684800 | -0.73430695 |
| ## 84  | -0.48 | -0.180471020 | -0.138494410 | -0.13384882 | -0.130031500 | -0.65639438 |
| ## 85  | -0.48 | -0.330580840 | -0.492023070 | -0.27933850 | -0.281336570 | -0.76379392 |
| ## 86  | -0.12 | -0.345606670 | -0.489902390 | -0.14728448 | 0.129271210  | -0.37300511 |
| ## 87  | -0.44 | -0.332986790 | -0.401323810 | -0.41857923 | -0.238513220 | -0.66540428 |
| ## 88  | -0.32 | -0.219178720 | -0.452316640 | -0.33949949 | -0.139920190 | -0.58528405 |
| ## 89  | -0.20 | -0.229217400 | -0.449689060 | -0.06787222 | -0.148322440 | -0.63225960 |
| ## 90  | -0.20 | -0.318310920 | -0.485382180 | -0.08352900 | -0.061615380 | -0.55097008 |
| ## 91  | -0.08 | -0.392358750 | -0.274769840 | -0.32646668 | -0.178386850 | -0.68603624 |
| ## 92  | -0.08 | -0.359667860 | -0.228486780 | -0.13327222 | -0.267095110 | -0.75398183 |
| ## 93  | -0.28 | -0.216483070 | -0.470084840 | -0.06296673 | -0.065043215 | -0.57453733 |
| ## 94  | -0.20 | -0.243286370 | -0.412748970 | 0.06757033  | -0.231066840 | -0.73860316 |
| ## 95  | -0.48 | -0.331318360 | -0.559033940 | -0.22841367 | -0.071518710 | -0.59887154 |
| ## 96  | -0.48 | -0.331815000 | -0.344648510 | -0.23217950 | 0.071211582  | -0.42246746 |
| ## 97  | -0.52 | -0.342772250 | -0.378649940 | -0.30493266 | 0.023584523  | -0.52328736 |
| ## 98  | 0.08  | -0.192872100 | -0.178049850 | -0.10522578 | -0.017478730 | -0.51535055 |
| ## 99  | -0.20 | -0.184624350 | -0.446856090 | -0.18124728 | -0.293908550 | -0.78265801 |
| ## 100 | -0.28 | -0.073983134 | -0.413338350 | -0.05150952 | -0.299782800 | -0.77890238 |
| ## 101 | -0.36 | -0.114936540 | -0.225185610 | 0.05918218  | -0.287959770 | -0.74474152 |
| ## 102 | -0.16 | -0.057830859 | -0.184909370 | -0.22832287 | -0.381869010 | -0.82706498 |
| ## 103 | -0.08 | -0.086241252 | -0.178531760 | -0.35050674 | -0.351408430 | -0.79943647 |
| ## 104 | -0.12 | -0.271681540 | -0.466369570 | -0.43938567 | -0.110851440 | -0.61508879 |
| ## 105 | -0.24 | -0.317790520 | -0.410972970 | -0.36270218 | -0.303001540 | -0.76300981 |
| ## 106 | -0.48 | -0.250847750 | -0.474016200 | -0.04400893 | -0.115944610 | -0.60991680 |
| ## 107 | -0.48 | -0.191355590 | -0.540937190 | -0.23146966 | -0.007055681 | -0.46200334 |
| ## 108 | -0.48 | -0.059079043 | -0.398276270 | -0.23338101 | -0.248395160 | -0.70034811 |
| ## 109 | -0.20 | -0.007655887 | -0.303390660 | -0.28942290 | -0.098444902 | -0.61154656 |
| ## 110 | -0.20 | -0.047169782 | -0.311082020 | -0.21587245 | -0.209274700 | -0.62060736 |
| ## 111 | -0.24 | -0.162028130 | -0.374847260 | -0.23736969 | -0.111090810 | -0.59456608 |
| ## 112 | 0.00  | -0.243111420 | -0.167227100 | -0.13925351 | -0.501337740 | -0.89102364 |
| ## 113 | -0.28 | -0.127713070 | -0.426190910 | 0.04309276  | -0.454197340 | -0.83255296 |
| ## 114 | -0.08 | -0.169694180 | -0.381895910 | -0.03749856 | -0.063198476 | -0.54878282 |
| ## 115 | -0.48 | -0.356282200 | -0.550763990 | -0.14688551 | -0.084351938 | -0.57450921 |



|        |       |              |              |             |              |             |
|--------|-------|--------------|--------------|-------------|--------------|-------------|
| ## 116 | -0.12 | -0.271107810 | -0.664585780 | -0.20774195 | -0.140305300 | -0.63730333 |
| ## 117 | -0.12 | -0.166036400 | -0.620376600 | -0.43162317 | -0.229969450 | -0.74483471 |
| ## 118 | -0.48 | -0.267513700 | -0.334539560 | -0.40371659 | -0.122370690 | -0.63647215 |
| ## 119 | -0.20 | 0.004542003  | -0.291633140 | -0.35860352 | -0.211904560 | -0.69488062 |
| ## 120 | -0.52 | -0.323090100 | -0.287335260 | -0.60851107 | -0.027279444 | -0.48536793 |
| ## 121 | -0.16 | -0.255003670 | -0.446516840 | -0.48668632 | -0.161372530 | -0.63879098 |
| ## 122 | -0.16 | -0.193775610 | -0.175663880 | -0.36469334 | -0.341535370 | -0.72830596 |
| ## 123 | -0.52 | -0.295475280 | -0.274065560 | -0.39676247 | -0.295949780 | -0.72368706 |
| ## 124 | -0.48 | -0.410939620 | -0.610553410 | -0.48784869 | -0.267682130 | -0.72840083 |
| ## 125 | -0.52 | -0.132528450 | -0.523385060 | -0.40734420 | -0.184558150 | -0.67196123 |
| ## 126 | -0.28 | -0.195135810 | -0.226247450 | -0.14740992 | -0.405838600 | -0.79644307 |
| ## 127 | -0.28 | -0.140235580 | -0.196698350 | 0.13527624  | -0.237476810 | -0.74210969 |
| ## 128 | 0.00  | -0.238833040 | -0.483521490 | 0.13610791  | -0.428696940 | -0.84658223 |
| ## 129 | 0.08  | -0.280084540 | -0.452922460 | 0.08742917  | -0.270275820 | -0.72315273 |
| ## 130 | 0.08  | -0.353904410 | -0.413993560 | 0.05014936  | -0.461598910 | -0.84048604 |
| ## 131 | -0.36 | -0.262410120 | -0.487292880 | -0.18398575 | -0.551370470 | -0.88601091 |
| ## 132 | -0.08 | -0.176864760 | -0.334501460 | -0.05817107 | -0.529797820 | -0.87616910 |
| ## 133 | -0.20 | -0.191936170 | -0.222003300 | 0.12116946  | -0.386195180 | -0.80801453 |
| ## 134 | -0.20 | -0.310422160 | -0.466825300 | 0.39894588  | -0.444469460 | -0.83152254 |
| ## 135 | -0.44 | -0.016140638 | -0.222306700 | 0.20508578  | -0.507269210 | -0.87911649 |
| ## 136 | -0.20 | -0.200069380 | -0.340319770 | -0.17508936 | -0.245297420 | -0.69691762 |
| ## 137 | -0.32 | -0.230615760 | -0.420187980 | 0.20105257  | -0.399272160 | -0.84590395 |
| ## 138 | -0.04 | -0.232437090 | -0.576305810 | -0.05654591 | -0.689052100 | -0.93760179 |
| ## 139 | -0.04 | -0.115551780 | -0.528505170 | 0.04177160  | -0.236540390 | -0.69008490 |
| ## 140 | -0.12 | -0.513217120 | -0.540051040 | -0.20146557 | -0.288666710 | -0.76017201 |
| ## 141 | -0.12 | -0.224003870 | -0.087172286 | 0.06015677  | -0.403637350 | -0.83634216 |
| ## 142 | -0.16 | -0.150818590 | -0.127035790 | -0.05694928 | 0.181797050  | -0.17122527 |
| ## 143 | -0.24 | -0.321803170 | -0.356993080 | -0.14241632 | -0.175366100 | -0.65839999 |
| ## 144 | -0.08 | -0.294788860 | -0.210691030 | -0.11374115 | -0.187532710 | -0.65433439 |
| ## 145 | -0.12 | -0.273274210 | -0.450206000 | -0.44636541 | -0.058279609 | -0.53188376 |
| ## 146 | -0.16 | -0.222751040 | -0.392696930 | -0.36882117 | -0.178323470 | -0.64726629 |
| ## 147 | -0.12 | -0.312756650 | -0.325615880 | -0.31797483 | -0.400601550 | -0.77253719 |
| ## 148 | -0.16 | -0.112981510 | -0.390527900 | -0.13860559 | -0.244872320 | -0.73922437 |
| ## 149 | -0.04 | -0.191088430 | -0.311940820 | -0.04712262 | -0.192994380 | -0.53873500 |
| ## 150 | -0.24 | -0.320970710 | -0.219089050 | -0.01054931 | -0.351225580 | -0.74189165 |
| ## 151 | -0.20 | -0.271729760 | -0.481095770 | -0.75439631 | -0.308111550 | -0.78575353 |
| ## 152 | -0.64 | -0.369058930 | -0.254321840 | -0.78493488 | -0.210714320 | -0.66783664 |
| ## 153 | -0.96 | -0.536079010 | -0.590728850 | -0.60613227 | -0.233768960 | -0.66315420 |
| ## 154 | -0.88 | -0.554327130 | -0.386788430 | -0.50516342 | -0.254728980 | -0.68480104 |
| ## 155 | -0.96 | -0.448798420 | -0.502353970 | -0.53430909 | 0.019406691  | -0.47783610 |
| ## 156 | -0.96 | -0.429619600 | -0.680114990 | -0.44432121 | -0.542252710 | -0.90964031 |
| ## 157 | -0.96 | -0.294879190 | -0.708329660 | -0.46002336 | -0.416242990 | -0.81523527 |
| ## 158 | -0.96 | -0.221701650 | -0.474956780 | -0.44670790 | -0.222034000 | -0.69977552 |
| ## 159 | -0.96 | -0.357681110 | -0.561097950 | -0.36474898 | -0.244695280 | -0.75502377 |
| ## 160 | -0.96 | -0.523293430 | -0.522396980 | -0.76434704 | -0.148415490 | -0.68725968 |
| ## 161 | -0.04 | -0.488243600 | -0.543183950 | -0.61933715 | -0.257491070 | -0.73204928 |
| ## 162 | -0.88 | -0.429211060 | -0.446701240 | -0.58342019 | -0.384793210 | -0.82749845 |
| ## 163 | -0.96 | -0.353320500 | -0.583237930 | -0.47621482 | -0.227803600 | -0.71992834 |
| ## 164 | -0.96 | -0.346888700 | -0.449218030 | -0.64292802 | -0.496691380 | -0.88539830 |
| ## 165 | -0.96 | -0.235986950 | -0.319506030 | -0.72967527 | -0.194548780 | -0.69432433 |

|        |              |              |              |             |              |             |
|--------|--------------|--------------|--------------|-------------|--------------|-------------|
| ## 166 | -0.96        | -0.450780470 | -0.582321720 | -0.43787111 | 0.029892182  | -0.50287756 |
| ## 167 | -0.96        | -0.519384720 | -0.469470070 | -0.54594667 | -0.009211363 | -0.52610467 |
| ## 168 | -0.96        | -0.424085370 | -0.480054770 | -0.70853669 | -0.062629718 | -0.61341799 |
| ## 169 | -0.96        | -0.344234460 | -0.486037460 | -0.40647624 | -0.242425070 | -0.70974697 |
| ## 170 | -0.88        | -0.324508060 | -0.560952410 | -0.48576606 | -0.462088560 | -0.83551725 |
| ## 171 | -0.88        | -0.471925630 | -0.784185700 | -0.44975370 | -0.320549850 | -0.76389699 |
| ## 172 | -0.48        | -0.362143090 | -0.640596220 | -0.40637380 | -0.247977850 | -0.76882175 |
| ## 173 | -0.88        | -0.462080400 | -0.573269790 | -0.63740271 | -0.474202710 | -0.84486746 |
| ## 174 | -0.88        | -0.567500510 | -0.619785930 | -0.49726850 | -0.387402590 | -0.79628582 |
| ## 175 | -0.96        | -0.318140220 | -0.638267670 | -0.45830215 | -0.139219360 | -0.66248620 |
| ## 176 | -0.96        | -0.249508630 | -0.368882220 | -0.52716644 | -0.421078880 | -0.83042856 |
| ## 177 | -0.56        | 0.489125010  | 0.035155548  | 0.27919699  | -0.466932880 | -0.75514981 |
| ##     | NA           | NA           | NA           | NA          | NA           | NA          |
| ## 1   | -0.582573620 | -0.93631005  | -0.50734474  | -0.8055359  | -0.9999865   | -0.9999796  |
| ## 2   | -0.414423540 | -0.85058640  | -0.65553468  | -0.9159869  | -0.9999963   | -0.9999797  |
| ## 3   | -0.528934210 | -0.91298509  | -0.80340654  | -0.9801332  | -0.9999936   | -0.9999443  |
| ## 4   | -0.396039260 | -0.82963474  | -0.57703837  | -0.8933748  | -0.9999978   | -0.9999651  |
| ## 5   | -0.496559960 | -0.90390837  | -0.76436937  | -0.9662039  | -0.9999953   | -0.9999829  |
| ## 6   | -0.664972250 | -0.95645992  | -0.72259902  | -0.9432911  | -0.9999878   | -0.9999855  |
| ## 7   | -0.643008520 | -0.94989992  | -0.42013736  | -0.8325819  | -0.9999879   | -0.9999797  |
| ## 8   | -0.635874720 | -0.95316199  | -0.38012059  | -0.7717600  | -0.9999924   | -0.9999718  |
| ## 9   | -0.490461150 | -0.91272572  | -0.27934516  | -0.6318599  | -0.9999966   | -0.9999795  |
| ## 10  | -0.449148030 | -0.87360518  | -0.57461666  | -0.8565246  | -0.9999799   | -0.9999387  |
| ## 11  | -0.490969590 | -0.87628926  | -0.70412647  | -0.9151155  | -0.9999760   | -0.9999436  |
| ## 12  | -0.620583670 | -0.93297361  | -0.50988745  | -0.8681000  | -0.9999978   | -0.9999827  |
| ## 13  | -0.500929850 | -0.87757848  | -0.46694007  | -0.8220289  | -0.9999987   | -0.9999874  |
| ## 14  | -0.443383650 | -0.84957493  | -0.42595412  | -0.7613189  | -0.9999973   | -0.9999824  |
| ## 15  | -0.724212230 | -0.98881084  | -0.54599422  | -0.8719334  | -0.9999925   | -0.9999489  |
| ## 16  | -0.726632320 | -0.97283829  | -0.55794170  | -0.8965090  | -0.9999895   | -0.9999749  |
| ## 17  | -0.642590880 | -0.96469286  | -0.62482303  | -0.8056657  | -0.9999848   | -0.9999825  |
| ## 18  | -0.652622020 | -0.95254813  | -0.45411374  | -0.8257815  | -0.9999937   | -0.9999819  |
| ## 19  | -0.576404530 | -0.90636310  | -0.53642637  | -0.8935255  | -0.9999836   | -0.9999834  |
| ## 20  | -0.374994920 | -0.79789946  | -0.62805379  | -0.9290909  | -0.9999922   | -0.9999672  |
| ## 21  | -0.477982790 | -0.86700641  | -0.81807946  | -0.9730895  | -0.9999973   | -0.9999654  |
| ## 22  | -0.604320490 | -0.95027667  | -0.57593016  | -0.9119584  | -0.9999962   | -0.9999837  |
| ## 23  | -0.570532010 | -0.94711670  | -0.47651286  | -0.8240605  | -0.9999909   | -0.9999841  |
| ## 24  | -0.532634090 | -0.87916417  | -0.62329939  | -0.8899067  | -0.9999915   | -0.9999867  |
| ## 25  | -0.644418280 | -0.95055734  | -0.56248361  | -0.8334021  | -0.9999978   | -0.9999756  |
| ## 26  | -0.527150250 | -0.89147165  | -0.42819343  | -0.7699307  | -0.9999969   | -0.9999787  |
| ## 27  | -0.606522500 | -0.94488394  | -0.76557603  | -0.9854489  | -0.9999960   | -0.9999991  |
| ## 28  | -0.144367050 | -0.56594391  | -0.03264695  | -0.2930160  | -0.9999694   | -0.9999574  |
| ## 29  | -0.197726040 | -0.57349656  | -0.73217495  | -0.9694135  | -0.9999769   | -0.9999689  |
| ## 30  | -0.542161720 | -0.92151213  | -0.53053645  | -0.8156604  | -0.9999946   | -0.9999792  |
| ## 31  | -0.544480110 | -0.93796314  | -0.46751086  | -0.8456485  | -0.9965997   | -0.9946565  |
| ## 32  | -0.467138450 | -0.88436374  | -0.30870775  | -0.7149273  | -0.9950080   | -0.9940763  |
| ## 33  | -0.504714970 | -0.89615422  | -0.53958467  | -0.8778192  | -0.9988856   | -0.9996025  |
| ## 34  | -0.526276040 | -0.89511420  | -0.56528260  | -0.8852258  | -0.9999389   | -0.9999322  |
| ## 35  | -0.513405100 | -0.88214453  | -0.72271594  | -0.9437076  | -0.9999948   | -0.9999919  |
| ## 36  | -0.648194600 | -0.95974488  | -0.62070121  | -0.8900834  | -0.9999915   | -0.9999869  |
| ## 37  | -0.502987440 | -0.90527840  | -0.57254548  | -0.9223785  | -0.9999910   | -0.9999933  |

|       |              |             |             |            |            |            |
|-------|--------------|-------------|-------------|------------|------------|------------|
| ## 38 | -0.679948620 | -0.98042196 | -0.63726803 | -0.9219292 | -0.9999894 | -0.9999826 |
| ## 39 | -0.754410400 | -0.96809423 | -0.64257604 | -0.9026279 | -0.9999560 | -0.9999361 |
| ## 40 | -0.403010030 | -0.82190541 | -0.56465244 | -0.8688646 | -0.9999894 | -0.9999526 |
| ## 41 | -0.442449490 | -0.88120972 | -0.57125157 | -0.8659839 | -0.9999794 | -0.9999575 |
| ## 42 | -0.439844480 | -0.86754679 | -0.52833093 | -0.8606803 | -0.9999827 | -0.9999426 |
| ## 43 | -0.243003850 | -0.72911083 | -0.57583602 | -0.8528235 | -0.9999725 | -0.9999681 |
| ## 44 | -0.362719050 | -0.84390963 | -0.56608255 | -0.8766445 | -0.9999779 | -0.9999877 |
| ## 45 | -0.246431940 | -0.67039582 | -0.50472307 | -0.7704737 | -0.9999879 | -0.9999653 |
| ## 46 | -0.526459220 | -0.91418336 | -0.53003662 | -0.8158500 | -0.9999914 | -0.9999648 |
| ## 47 | -0.514712980 | -0.89257552 | -0.59001714 | -0.8398502 | -0.9999893 | -0.9999659 |
| ## 48 | -0.420206310 | -0.82671719 | -0.80478653 | -0.9867385 | -0.9999897 | -0.9999704 |
| ## 49 | -0.587478240 | -0.95209849 | -0.54739554 | -0.8683123 | -0.9999916 | -0.9999682 |
| ## 50 | -0.443232220 | -0.86060118 | -0.40619041 | -0.8083157 | -0.9999911 | -0.9999773 |
| ## 51 | -0.409157970 | -0.84698752 | -0.47945604 | -0.7836249 | -0.9999906 | -0.9999614 |
| ## 52 | -0.538937980 | -0.93381380 | -0.70516400 | -0.9231404 | -0.9997660 | -0.9979645 |
| ## 53 | -0.487328630 | -0.88589751 | -0.63591922 | -0.9217835 | -0.9999780 | -0.9999390 |
| ## 54 | -0.406005380 | -0.82325562 | -0.64212387 | -0.8846184 | -0.9999907 | -0.9999520 |
| ## 55 | -0.595289020 | -0.89910221 | -0.68460719 | -0.9386473 | -0.9999958 | -0.9999391 |
| ## 56 | -0.391188720 | -0.80723466 | -0.64121310 | -0.9394417 | -0.9999914 | -0.9999557 |
| ## 57 | -0.670539580 | -0.96334594 | -0.55800806 | -0.8968347 | -0.9999929 | -0.9999264 |
| ## 58 | -0.501052440 | -0.88948972 | -0.63883393 | -0.8878616 | -0.9999911 | -0.9999177 |
| ## 59 | -0.415815370 | -0.83267618 | -0.60809664 | -0.8965705 | -0.9999968 | -0.9999445 |
| ## 60 | -0.622651090 | -0.95584841 | -0.60521252 | -0.8783701 | -0.9999958 | -0.9999410 |
| ## 61 | -0.559186790 | -0.90784473 | -0.45973266 | -0.8106777 | -0.9999794 | -0.9999313 |
| ## 62 | -0.564537440 | -0.93831463 | -0.70498936 | -0.9460993 | -0.9999907 | -0.9999250 |
| ## 63 | -0.697570480 | -0.98204202 | -0.67494187 | -0.9152739 | -0.9999977 | -0.9999358 |
| ## 64 | -0.570082220 | -0.94399886 | -0.55071242 | -0.8507134 | -0.9999912 | -0.9999380 |
| ## 65 | -0.437048140 | -0.86326250 | -0.57736104 | -0.8192970 | -0.9977517 | -0.9986566 |
| ## 66 | -0.676546230 | -0.95235169 | -0.66823973 | -0.9138662 | -0.9999467 | -0.9997829 |
| ## 67 | -0.369720510 | -0.84997282 | -0.73264609 | -0.9561950 | -0.9932951 | -0.9937294 |
| ## 68 | -0.384601640 | -0.84390728 | -0.67760246 | -0.9370398 | -0.9918875 | -0.9941158 |
| ## 69 | -0.520410570 | -0.93740534 | -0.51689763 | -0.8686356 | -0.9994971 | -0.9997007 |
| ## 70 | -0.651696400 | -0.94523733 | -0.57951994 | -0.9076291 | -0.9956191 | -0.9983298 |
| ## 71 | -0.637576740 | -0.93156171 | -0.38864907 | -0.7626876 | -0.9801020 | -0.9660877 |
| ## 72 | -0.628350870 | -0.93794062 | -0.43098500 | -0.8029336 | -0.9866067 | -0.9634052 |
| ## 73 | -0.463163940 | -0.88656996 | -0.84374544 | -0.9525562 | -0.9977723 | -0.9972067 |
| ## 74 | -0.020890211 | -0.39246349 | -0.36140416 | -0.7573047 | -0.9999372 | -0.9998721 |
| ## 75 | -0.713880290 | -0.96519615 | -0.64604273 | -0.9278048 | -0.9999589 | -0.9998872 |
| ## 76 | -0.451197780 | -0.85551590 | -0.75796217 | -0.9811188 | -0.9999792 | -0.9999640 |
| ## 77 | -0.497460500 | -0.90621673 | -0.73681395 | -0.9399274 | -0.9999669 | -0.9999472 |
| ## 78 | -0.537498040 | -0.93254149 | -0.73661650 | -0.9629829 | -0.9999741 | -0.9999193 |
| ## 79 | -0.220164070 | -0.72149239 | -0.46517941 | -0.8422007 | -0.8510157 | -0.6917314 |
| ## 80 | -0.016548002 | -0.53411100 | -0.26703592 | -0.6765774 | -0.8036466 | -0.6265507 |
| ## 81 | -0.307514040 | -0.81628191 | -0.44366884 | -0.8490434 | -0.8148828 | -0.7629799 |
| ## 82 | -0.213108940 | -0.74967550 | -0.42610215 | -0.8335913 | -0.7768754 | -0.7336914 |
| ## 83 | -0.212308520 | -0.70493029 | -0.28299356 | -0.6912771 | -0.7665435 | -0.7854631 |
| ## 84 | -0.162331440 | -0.66566429 | -0.19078477 | -0.6062173 | -0.6836006 | -0.8434512 |
| ## 85 | -0.191997670 | -0.73127305 | -0.34808672 | -0.7638978 | -0.7162931 | -0.7774702 |
| ## 86 | 0.054612688  | -0.45142198 | -0.49920070 | -0.8681587 | -0.8249323 | -0.7093602 |
| ## 87 | -0.089528226 | -0.59627009 | -0.63250551 | -0.9459419 | -0.8646644 | -0.7441914 |

|        |              |             |             |            |            |            |
|--------|--------------|-------------|-------------|------------|------------|------------|
| ## 88  | -0.180157910 | -0.68643350 | -0.57032531 | -0.9006721 | -0.7882059 | -0.7539344 |
| ## 89  | -0.284966660 | -0.82141818 | -0.20202429 | -0.6120843 | -0.7944064 | -0.7283842 |
| ## 90  | 0.024486371  | -0.45222264 | -0.42100090 | -0.7700433 | -0.7819576 | -0.6914047 |
| ## 91  | 0.402806920  | 0.04309494  | -0.43904037 | -0.8240622 | -0.7498467 | -0.7295781 |
| ## 92  | -0.004220009 | -0.54918388 | -0.32667008 | -0.7411881 | -0.6255493 | -0.7534678 |
| ## 93  | -0.189087420 | -0.71152228 | -0.38595522 | -0.7510011 | -0.7109975 | -0.7300584 |
| ## 94  | -0.300213990 | -0.80820890 | -0.29789383 | -0.7151923 | -0.7681956 | -0.7021175 |
| ## 95  | -0.219387390 | -0.74142536 | -0.44542706 | -0.8274270 | -0.7875375 | -0.7164062 |
| ## 96  | 0.021967599  | -0.51935447 | -0.36018113 | -0.7450900 | -0.8199053 | -0.6581903 |
| ## 97  | -0.191874040 | -0.67216371 | -0.46494005 | -0.8018253 | -0.8704674 | -0.7242956 |
| ## 98  | 0.076338631  | -0.41557238 | -0.12035292 | -0.5777179 | -0.8431671 | -0.8311888 |
| ## 99  | -0.251082560 | -0.76924394 | -0.44823371 | -0.7909279 | -0.7526308 | -0.6470674 |
| ## 100 | 0.057949125  | -0.41546430 | -0.58840826 | -0.8315354 | -0.6240090 | -0.6240272 |
| ## 101 | 0.128364530  | -0.32617050 | -0.55861477 | -0.8925898 | -0.6884599 | -0.5990217 |
| ## 102 | -0.123600460 | -0.62884697 | -0.55598385 | -0.9124708 | -0.7204328 | -0.7166961 |
| ## 103 | -0.330590150 | -0.82076143 | -0.47801080 | -0.8382098 | -0.7659757 | -0.8132924 |
| ## 104 | -0.223449980 | -0.69837186 | -0.16508976 | -0.6211137 | -0.7743866 | -0.7485067 |
| ## 105 | -0.067666778 | -0.49471290 | -0.35809794 | -0.7731975 | -0.7518291 | -0.7740174 |
| ## 106 | -0.215626350 | -0.72990251 | -0.41635582 | -0.7357148 | -0.7518124 | -0.7258042 |
| ## 107 | -0.223306760 | -0.72366095 | -0.50797154 | -0.8423648 | -0.7457698 | -0.5990719 |
| ## 108 | -0.106173810 | -0.62586183 | -0.39115459 | -0.8231823 | -0.7822219 | -0.7205833 |
| ## 109 | -0.274277950 | -0.79180872 | -0.29792077 | -0.7083344 | -0.8015993 | -0.7870505 |
| ## 110 | -0.050532866 | -0.57008324 | -0.52500313 | -0.8624305 | -0.8423628 | -0.7740514 |
| ## 111 | -0.049883569 | -0.54064609 | -0.48017451 | -0.8326251 | -0.8367421 | -0.7575123 |
| ## 112 | -0.089315803 | -0.64990934 | -0.51971375 | -0.8779908 | -0.7242574 | -0.6878011 |
| ## 113 | -0.060800706 | -0.58149958 | -0.52825473 | -0.8765802 | -0.7829752 | -0.6674896 |
| ## 114 | -0.072324590 | -0.57850794 | -0.47952514 | -0.8266298 | -0.7945199 | -0.6818765 |
| ## 115 | -0.089918434 | -0.57608605 | -0.48658215 | -0.7765228 | -0.7768867 | -0.7200577 |
| ## 116 | -0.054085557 | -0.56341865 | -0.38014442 | -0.7700510 | -0.7480993 | -0.7522693 |
| ## 117 | 0.008341515  | -0.46242586 | -0.48333452 | -0.8489982 | -0.7467982 | -0.7086782 |
| ## 118 | 0.172499350  | -0.24502132 | -0.65194731 | -0.9401494 | -0.8331691 | -0.7018358 |
| ## 119 | 0.107588850  | -0.35960200 | -0.57111622 | -0.9109536 | -0.8673057 | -0.8474466 |
| ## 120 | -0.105159930 | -0.60586476 | -0.52908285 | -0.8842955 | -0.8820035 | -0.7719718 |
| ## 121 | -0.237936350 | -0.73595556 | -0.42596318 | -0.8156343 | -0.8803700 | -0.7751905 |
| ## 122 | -0.259348840 | -0.74509567 | -0.34102986 | -0.7409980 | -0.8762061 | -0.8314397 |
| ## 123 | -0.300915360 | -0.74976679 | -0.42346936 | -0.8219944 | -0.8913892 | -0.6826037 |
| ## 124 | -0.225193080 | -0.74853722 | -0.34172641 | -0.7698926 | -0.8690282 | -0.7126521 |
| ## 125 | -0.164201170 | -0.74067484 | -0.51127487 | -0.8322684 | -0.8908548 | -0.8440819 |
| ## 126 | -0.491181070 | -0.91719754 | -0.27190710 | -0.6511396 | -0.7300596 | -0.8873446 |
| ## 127 | -0.266444260 | -0.72230634 | -0.45730023 | -0.8149007 | -0.6157540 | -0.8646641 |
| ## 128 | -0.470601530 | -0.89430607 | -0.58802587 | -0.9148830 | -0.6547252 | -0.8792203 |
| ## 129 | -0.352806850 | -0.84431701 | -0.47397861 | -0.8420296 | -0.7130795 | -0.8396053 |
| ## 130 | -0.447064370 | -0.86170713 | -0.40757425 | -0.8260080 | -0.5232378 | -0.7293709 |
| ## 131 | -0.464507160 | -0.87838908 | -0.37342488 | -0.8030187 | -0.4553530 | -0.6786599 |
| ## 132 | -0.425980220 | -0.89640722 | -0.05588135 | -0.4906443 | -0.6116217 | -0.7918952 |
| ## 133 | -0.076429116 | -0.57078337 | -0.31049131 | -0.5828826 | -0.6107070 | -0.8697968 |
| ## 134 | -0.325642700 | -0.83085586 | -0.60332565 | -0.9228620 | -0.6974791 | -0.8024239 |
| ## 135 | -0.386340520 | -0.82684913 | -0.53994280 | -0.8799088 | -0.5777406 | -0.6428724 |
| ## 136 | -0.498899080 | -0.90308070 | -0.52435353 | -0.8672851 | -0.6464435 | -0.6688831 |
| ## 137 | -0.369939740 | -0.87650445 | -0.23445049 | -0.6914399 | -0.6185207 | -0.5969764 |

|        |              |             |             |             |            |            |
|--------|--------------|-------------|-------------|-------------|------------|------------|
| ## 138 | -0.499417640 | -0.93558044 | -0.46020588 | -0.8601936  | -0.4951330 | -0.7361171 |
| ## 139 | -0.524203830 | -0.91421739 | -0.29043135 | -0.7052268  | -0.6090266 | -0.6243972 |
| ## 140 | -0.446988890 | -0.90952726 | -0.35114247 | -0.7444412  | -0.4311471 | -0.8586833 |
| ## 141 | -0.395181360 | -0.86896554 | -0.44662188 | -0.8266327  | -0.5687824 | -0.5589131 |
| ## 142 | -0.653960030 | -0.93538806 | -0.47510134 | -0.8392372  | -0.2991103 | -0.7788867 |
| ## 143 | -0.374477110 | -0.83726919 | -0.33474315 | -0.7520777  | -0.5109942 | -0.7358392 |
| ## 144 | -0.146481370 | -0.61796795 | -0.33140304 | -0.6645412  | -0.5742914 | -0.7163724 |
| ## 145 | -0.301506500 | -0.80629451 | -0.42987547 | -0.8639471  | -0.6918394 | -0.8724398 |
| ## 146 | -0.449487400 | -0.90266418 | -0.32427641 | -0.7608702  | -0.6095622 | -0.7124498 |
| ## 147 | -0.394828010 | -0.82366730 | -0.44319270 | -0.8329188  | -0.5878331 | -0.6035127 |
| ## 148 | -0.436343370 | -0.90381871 | -0.31487054 | -0.6915436  | -0.6589275 | -0.8064129 |
| ## 149 | -0.527166110 | -0.91975307 | -0.55975948 | -0.8820107  | -0.6585425 | -0.8725734 |
| ## 150 | -0.424463570 | -0.87253458 | -0.38697127 | -0.8360118  | -0.6286908 | -0.8233210 |
| ## 151 | -0.262670230 | -0.68487668 | -0.15721414 | -0.5756066  | -0.8541273 | -0.9012383 |
| ## 152 | -0.126308070 | -0.62162816 | -0.54468983 | -0.9121842  | -0.8211068 | -0.9087812 |
| ## 153 | -0.443808830 | -0.87696484 | -0.42496056 | -0.8381028  | -0.8339273 | -0.9366925 |
| ## 154 | -0.123693210 | -0.62101363 | -0.57482495 | -0.8899642  | -0.8809642 | -0.9297627 |
| ## 155 | -0.298484360 | -0.78117521 | -0.46278465 | -0.8474449  | -0.8439482 | -0.9196528 |
| ## 156 | -0.345701780 | -0.84364251 | -0.44433106 | -0.8333146  | -0.8987696 | -0.8941615 |
| ## 157 | -0.349514220 | -0.84757744 | -0.62669522 | -0.8850520  | -0.8717872 | -0.9109959 |
| ## 158 | -0.428556220 | -0.87630640 | -0.60576150 | -0.9129404  | -0.8552571 | -0.9342634 |
| ## 159 | -0.183516310 | -0.66916404 | -0.43203829 | -0.8088950  | -0.7482849 | -0.9085041 |
| ## 160 | -0.236374400 | -0.69767857 | -0.44856043 | -0.8698694  | -0.8207203 | -0.9227419 |
| ## 161 | -0.381453630 | -0.84065892 | -0.52225406 | -0.9216677  | -0.8400973 | -0.8768994 |
| ## 162 | -0.266911550 | -0.75586916 | -0.49218299 | -0.8759848  | -0.8493472 | -0.8656695 |
| ## 163 | -0.415255140 | -0.86614241 | -0.47264675 | -0.7866551  | -0.8672746 | -0.9556400 |
| ## 164 | -0.447403500 | -0.87083355 | -0.40923466 | -0.8208611  | -0.8774443 | -0.9339857 |
| ## 165 | -0.247178430 | -0.73074342 | -0.24728510 | -0.6840439  | -0.8353985 | -0.9376680 |
| ## 166 | -0.176016620 | -0.65932080 | -0.26377212 | -0.6275232  | -0.8537002 | -0.9582880 |
| ## 167 | -0.236646670 | -0.70708138 | -0.19903783 | -0.6275194  | -0.8733349 | -0.9616046 |
| ## 168 | -0.241217220 | -0.71736202 | -0.29488639 | -0.7472468  | -0.8368564 | -0.9334895 |
| ## 169 | -0.403266240 | -0.86495568 | -0.35158266 | -0.7702225  | -0.8345572 | -0.9372345 |
| ## 170 | -0.514134350 | -0.92627957 | -0.52357357 | -0.8582907  | -0.8567943 | -0.9468422 |
| ## 171 | -0.234776840 | -0.77396884 | -0.41127011 | -0.7714321  | -0.9014466 | -0.9128833 |
| ## 172 | -0.359218910 | -0.84802015 | -0.48651273 | -0.8235545  | -0.9039302 | -0.9287288 |
| ## 173 | -0.433705600 | -0.88706831 | -0.53607901 | -0.8546323  | -0.9229491 | -0.9338445 |
| ## 174 | -0.319357730 | -0.81727820 | -0.32800527 | -0.7543916  | -0.8783778 | -0.8982356 |
| ## 175 | -0.279844480 | -0.81577839 | -0.32788824 | -0.7420045  | -0.8405279 | -0.9153584 |
| ## 176 | -0.300259680 | -0.81141043 | -0.42527705 | -0.6852835  | -0.8913310 | -0.8505695 |
| ## 177 | -0.558695970 | -0.91404660 | -0.72028060 | -0.9374390  | -0.9999778 | -0.9999882 |
| ##     | NA           | NA          | NA          | NA          | NA         | NA         |
| ## 1   | -0.99997478  | -0.99995513 | -0.9999186  | -0.99964011 | -0.9994833 | -0.9999609 |
| ## 2   | -0.99994892  | -0.99996834 | -0.9999101  | -0.99981369 | -0.9999203 | -0.9999607 |
| ## 3   | -0.99982744  | -0.99984140 | -0.9999222  | -0.99990585 | -0.9998736 | -0.9999965 |
| ## 4   | -0.99984325  | -0.99986543 | -0.9999959  | -0.99993038 | -0.9999417 | -0.9999992 |
| ## 5   | -0.99994662  | -0.99993883 | -0.9999616  | -0.99992890 | -0.9999581 | -0.9999949 |
| ## 6   | -0.99993089  | -0.99991554 | -0.9999256  | -0.99985903 | -0.9999402 | -0.9999969 |
| ## 7   | -0.99993068  | -0.99994837 | -0.9999251  | -0.99990731 | -0.9999128 | -0.9999673 |
| ## 8   | -0.99993406  | -0.99996758 | -0.9999351  | -0.99984103 | -0.9999471 | -0.9999941 |
| ## 9   | -0.99995756  | -0.99994221 | -0.9999544  | -0.99991709 | -0.9999393 | -1.0000000 |

|       |             |             |            |             |            |            |
|-------|-------------|-------------|------------|-------------|------------|------------|
| ## 10 | -0.99991797 | -0.99977498 | -0.9998864 | -0.99990932 | -0.9998747 | -0.9999947 |
| ## 11 | -0.99993213 | -0.99978278 | -0.9998868 | -0.99988618 | -0.9997855 | -0.9999863 |
| ## 12 | -0.99997742 | -0.99996540 | -0.9999896 | -0.99995789 | -0.9999171 | -0.9999903 |
| ## 13 | -0.99998793 | -0.99997460 | -0.9999633 | -0.99998108 | -0.9999837 | -0.9999981 |
| ## 14 | -0.99995806 | -0.99995575 | -0.9999359 | -0.99995185 | -0.9999696 | -0.9999931 |
| ## 15 | -0.99985341 | -0.99982161 | -0.9998333 | -0.99986845 | -0.9998360 | -0.9998727 |
| ## 16 | -0.99994087 | -0.99992573 | -0.9999158 | -0.99992286 | -0.9999174 | -0.9999938 |
| ## 17 | -0.99995068 | -0.99984385 | -0.9999585 | -0.99992698 | -0.9999531 | -0.9999826 |
| ## 18 | -0.99993210 | -0.99989297 | -0.9999501 | -0.99990527 | -0.9999352 | -0.9999998 |
| ## 19 | -0.99996042 | -0.99992714 | -0.9999050 | -0.99991693 | -0.9999620 | -0.9999969 |
| ## 20 | -0.99998870 | -0.99994985 | -0.9998978 | -0.99995936 | -0.9999563 | -1.0000000 |
| ## 21 | -0.99998147 | -0.99991625 | -0.9999582 | -0.99988523 | -0.9999460 | -0.9999993 |
| ## 22 | -0.99994633 | -0.99990573 | -0.9999602 | -0.99987732 | -0.9999150 | -0.9999992 |
| ## 23 | -0.99993855 | -0.99992867 | -0.9999289 | -0.99995675 | -0.9999202 | -0.9999974 |
| ## 24 | -0.99996980 | -0.99991643 | -0.9999399 | -0.99995095 | -0.9999634 | -0.9999989 |
| ## 25 | -0.99996556 | -0.99994285 | -0.9999480 | -0.99995104 | -0.9999706 | -0.9999539 |
| ## 26 | -0.99992876 | -0.99996118 | -0.9999584 | -0.99991968 | -0.9999527 | -0.9999990 |
| ## 27 | -0.99993598 | -0.99993648 | -0.9999507 | -0.99992941 | -0.9999474 | -0.9999914 |
| ## 28 | -0.99951817 | -0.99939548 | -0.9997878 | -0.99961827 | -0.9998216 | -0.9999710 |
| ## 29 | -0.99993131 | -0.99979552 | -0.9998886 | -0.99989135 | -0.9999191 | -0.9999946 |
| ## 30 | -0.99996899 | -0.99986155 | -0.9998897 | -0.99986602 | -0.9999134 | -0.9999981 |
| ## 31 | -0.99121569 | -0.99622189 | -0.9928284 | -0.99240466 | -0.9975217 | -0.9950132 |
| ## 32 | -0.98303949 | -0.99451943 | -0.9912833 | -0.99252038 | -0.9964610 | -0.9999887 |
| ## 33 | -0.99293027 | -0.99751098 | -0.9971842 | -0.99848646 | -0.9954245 | -0.9949287 |
| ## 34 | -0.99992319 | -0.99977656 | -0.9998362 | -0.99979027 | -0.9998969 | -0.9999149 |
| ## 35 | -0.99992829 | -0.99984655 | -0.9998157 | -0.99990708 | -0.9999401 | -0.9999966 |
| ## 36 | -0.99997230 | -0.99998345 | -0.9998949 | -0.99994343 | -0.9999631 | -0.9999987 |
| ## 37 | -0.99994615 | -0.99993606 | -0.9999424 | -0.99996369 | -0.9999087 | -0.9999983 |
| ## 38 | -0.99991672 | -0.99991029 | -0.9999454 | -0.99995732 | -0.9999048 | -0.9999998 |
| ## 39 | -0.99968296 | -0.99965783 | -0.9996652 | -0.99978360 | -0.9997756 | -0.9999387 |
| ## 40 | -0.99986253 | -0.99977279 | -0.9998699 | -0.99991350 | -0.9998881 | -0.9998865 |
| ## 41 | -0.99993765 | -0.99993387 | -0.9999102 | -0.99993629 | -0.9999615 | -0.9999976 |
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| ## 43 | -0.99997625 | -0.99985274 | -0.9998896 | -0.99982952 | -0.9999795 | -0.9999881 |
| ## 44 | -0.99997443 | -0.99991457 | -0.9998341 | -0.99989162 | -0.9999629 | -0.9999972 |
| ## 45 | -0.99996699 | -0.99984152 | -0.9998513 | -0.99986292 | -0.9999613 | -0.9999986 |
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| ## 47 | -0.99996517 | -0.99971031 | -0.9999671 | -0.99983477 | -0.9999712 | -0.9999991 |
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| ## 49 | -0.99987609 | -0.99986677 | -0.9999290 | -0.99988992 | -0.9999200 | -0.9999958 |
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|        |             |             |            |             |            |            |
|--------|-------------|-------------|------------|-------------|------------|------------|
| ## 60  | -0.99996545 | -0.99990735 | -0.9998956 | -0.99988743 | -0.9999900 | -0.9999967 |
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| ## 66  | -0.99975780 | -0.99965373 | -0.9996134 | -0.99980291 | -0.9998746 | -0.9999379 |
| ## 67  | -0.99337318 | -0.99385740 | -0.9929815 | -0.99607357 | -0.9965683 | -0.9995773 |
| ## 68  | -0.99259981 | -0.99319386 | -0.9926324 | -0.99516400 | -0.9963572 | -0.9999798 |
| ## 69  | -0.99869706 | -0.99915358 | -0.9993821 | -0.99929827 | -0.9996895 | -0.9993270 |
| ## 70  | -0.98793725 | -0.95789897 | -0.9895112 | -0.99121747 | -0.9955438 | -0.9968691 |
| ## 71  | -0.93301155 | -0.88860957 | -0.9608550 | -0.96647970 | -0.9614874 | -0.9999790 |
| ## 72  | -0.93272000 | -0.93394077 | -0.9633093 | -0.97284872 | -0.9647651 | -0.9973619 |
| ## 73  | -0.99058719 | -0.99824287 | -0.9976258 | -0.99851421 | -0.9983199 | -0.9998947 |
| ## 74  | -0.99917262 | -0.99932683 | -0.9995539 | -0.99961687 | -0.9995362 | -0.9999598 |
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| ## 76  | -0.99992615 | -0.99987691 | -0.9998322 | -0.99987013 | -0.9999311 | -0.9999951 |
| ## 77  | -0.99990577 | -0.99984173 | -0.9998792 | -0.99987785 | -0.9999194 | -0.9999854 |
| ## 78  | -0.99989111 | -0.99966554 | -0.9997346 | -0.99978613 | -0.9999307 | -0.9999997 |
| ## 79  | -0.61502969 | -0.77833500 | -0.8153980 | -0.90451904 | -0.9363922 | -0.9771978 |
| ## 80  | -0.57060659 | -0.66421903 | -0.9075072 | -0.86888258 | -0.9026950 | -0.9478925 |
| ## 81  | -0.68226991 | -0.55556361 | -0.8390429 | -0.83772257 | -0.8241314 | -0.9585321 |
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| ## 84  | -0.80563060 | -0.62415838 | -0.8779956 | -0.92717176 | -0.8636200 | -0.9365016 |
| ## 85  | -0.51617396 | -0.48371548 | -0.9384282 | -0.91743613 | -0.8527412 | -0.9822943 |
| ## 86  | -0.25512837 | -0.43243508 | -0.9445440 | -0.85486539 | -0.9386180 | -0.9886779 |
| ## 87  | -0.80085618 | -0.81639774 | -0.9533270 | -0.82029093 | -0.9267915 | -0.9606993 |
| ## 88  | -0.67527427 | -0.74064235 | -0.8541819 | -0.82731031 | -0.8836568 | -0.9798198 |
| ## 89  | -0.70720212 | -0.61256979 | -0.7805564 | -0.85003370 | -0.8935969 | -0.9788404 |
| ## 90  | -0.57300328 | -0.57311082 | -0.7879140 | -0.82304418 | -0.9518725 | -0.9983081 |
| ## 91  | -0.64345217 | -0.65098033 | -0.8567935 | -0.84687684 | -0.9649410 | -0.9994839 |
| ## 92  | -0.72378734 | -0.72055802 | -0.8879877 | -0.79238045 | -0.9341682 | -0.9995444 |
| ## 93  | -0.63489097 | -0.57619658 | -0.9150337 | -0.80033797 | -0.6790953 | -0.9909808 |
| ## 94  | -0.30460247 | -0.72021651 | -0.9003654 | -0.79742187 | -0.7572640 | -0.9974734 |
| ## 95  | -0.09209173 | -0.72202943 | -0.8531564 | -0.85693943 | -0.8147090 | -0.9999260 |
| ## 96  | -0.33354579 | -0.68416919 | -0.8733440 | -0.93851024 | -0.8354383 | -0.9698038 |
| ## 97  | -0.21980260 | -0.79208618 | -0.9590647 | -0.79026775 | -0.8882958 | -0.9925955 |
| ## 98  | -0.38434907 | -0.80122000 | -0.8972047 | -0.81902087 | -0.7902460 | -0.9060949 |
| ## 99  | -0.53230161 | -0.64127094 | -0.8973007 | -0.76385163 | -0.6827345 | -0.9511817 |
| ## 100 | -0.53562418 | -0.51446552 | -0.8721055 | -0.63545355 | -0.5109413 | -0.8885964 |
| ## 101 | -0.56738837 | -0.64341052 | -0.8089860 | -0.78173572 | -0.5925454 | -0.9170811 |
| ## 102 | -0.38970311 | -0.73045680 | -0.6719825 | -0.73019443 | -0.6117906 | -0.9314143 |
| ## 103 | -0.51615484 | -0.65922773 | -0.8026719 | -0.83240630 | -0.7406589 | -0.9907155 |
| ## 104 | -0.54275696 | -0.61061710 | -0.8953210 | -0.83197564 | -0.9354467 | -0.9962900 |
| ## 105 | -0.58031015 | -0.70002775 | -0.7874977 | -0.86153430 | -0.8991022 | -0.9973165 |
| ## 106 | -0.65563733 | -0.68696600 | -0.7880817 | -0.85240267 | -0.8869974 | -0.9621204 |
| ## 107 | -0.63186467 | -0.51020233 | -0.7914369 | -0.75409084 | -0.8229345 | -0.9951051 |
| ## 108 | -0.51732206 | -0.61932099 | -0.7724186 | -0.65653726 | -0.7465904 | -0.9760329 |
| ## 109 | -0.52789349 | -0.72984535 | -0.8446330 | -0.70887052 | -0.6905794 | -0.9479082 |

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| ## 110 | -0.51676724 | -0.62825859 | -0.9059240 | -0.57100746 | -0.7749456 | -0.9116780 |
| ## 111 | -0.53815412 | -0.57259103 | -0.9269221 | -0.70646929 | -0.7367561 | -0.9755232 |
| ## 112 | -0.69867113 | -0.51172161 | -0.7990343 | -0.67926529 | -0.8757742 | -0.9994388 |
| ## 113 | -0.63038874 | -0.50521585 | -0.7757239 | -0.67683555 | -0.7641258 | -0.9976849 |
| ## 114 | -0.60524952 | -0.59000040 | -0.8230937 | -0.69874401 | -0.9194362 | -0.9842878 |
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| ## 116 | -0.56434695 | -0.64032271 | -0.9056363 | -0.79245562 | -0.9216496 | -0.9942391 |
| ## 117 | -0.41949668 | -0.56786115 | -0.8839564 | -0.79091800 | -0.8577036 | -0.8706036 |
| ## 118 | -0.45113838 | -0.49600699 | -0.8846124 | -0.82160165 | -0.9097727 | -0.9808817 |
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| ## 120 | -0.47847195 | -0.87616793 | -0.8467940 | -0.90187560 | -0.9260569 | -0.9858199 |
| ## 121 | -0.48941648 | -0.84547282 | -0.8297883 | -0.83528005 | -0.8667651 | -0.9909182 |
| ## 122 | -0.70344277 | -0.79406815 | -0.8703660 | -0.83224260 | -0.8454014 | -0.9977478 |
| ## 123 | -0.55566493 | -0.73906033 | -0.8669578 | -0.87096288 | -0.8859092 | -0.9792497 |
| ## 124 | -0.54486157 | -0.75446994 | -0.8991283 | -0.84452838 | -0.9216706 | -0.9977523 |
| ## 125 | -0.52517156 | -0.68001298 | -0.9203398 | -0.83736846 | -0.9067588 | -0.8973402 |
| ## 126 | -0.58163325 | -0.72345653 | -0.8049225 | -0.80030241 | -0.8306211 | -0.9990285 |
| ## 127 | -0.49246743 | -0.59690318 | -0.8339658 | -0.84671753 | -0.7847346 | -0.9707261 |
| ## 128 | -0.50911244 | -0.48020004 | -0.8229427 | -0.82647367 | -0.9069395 | -0.9991972 |
| ## 129 | -0.52004621 | -0.60413794 | -0.9121025 | -0.83760480 | -0.9309206 | -0.9497079 |
| ## 130 | -0.55662172 | -0.55872867 | -0.7647012 | -0.73769235 | -0.8203802 | -0.9997893 |
| ## 131 | -0.54034290 | -0.24644625 | -0.7155826 | -0.70864535 | -0.8501738 | -0.9883710 |
| ## 132 | -0.53879168 | -0.38462681 | -0.4910132 | -0.82724619 | -0.9531006 | -0.9838115 |
| ## 133 | -0.68344657 | -0.69548577 | -0.5272504 | -0.86746338 | -0.9121274 | -0.9696116 |
| ## 134 | -0.62250705 | -0.59602422 | -0.8279702 | -0.88466063 | -0.9005783 | -0.9823881 |
| ## 135 | -0.49303677 | -0.09061318 | -0.6473273 | 0.01557063  | -0.7758379 | -0.9482435 |
| ## 136 | -0.21543439 | -0.36420850 | -0.7647560 | -0.65991061 | -0.8869211 | -0.8530567 |
| ## 137 | -0.14366841 | -0.68261115 | -0.7426337 | -0.56279409 | -0.6955843 | -0.8951421 |
| ## 138 | -0.58722787 | -0.49563632 | -0.6358010 | -0.27379957 | -0.7811236 | -0.9699158 |
| ## 139 | -0.67476368 | -0.44475428 | -0.6035062 | -0.55525242 | -0.8902097 | -0.8575491 |
| ## 140 | -0.32902854 | -0.76689017 | -0.8136802 | -0.89624266 | -0.9510503 | -0.9577141 |
| ## 141 | -0.43144779 | -0.49033534 | -0.7314032 | -0.64881445 | -0.7606608 | -0.9172146 |
| ## 142 | -0.44684470 | -0.56483950 | -0.7726798 | -0.46914612 | -0.8017712 | -0.9642156 |
| ## 143 | -0.47589874 | -0.76919917 | -0.8195261 | -0.80724801 | -0.7915933 | -0.9228523 |
| ## 144 | -0.50377169 | -0.58469374 | -0.8020122 | -0.75473402 | -0.8742881 | -0.9499416 |
| ## 145 | -0.12769045 | -0.66044881 | -0.8089796 | -0.75452616 | -0.8843085 | -0.9521673 |
| ## 146 | -0.34197246 | -0.61102975 | -0.6180304 | -0.62066525 | -0.9343360 | -0.9797077 |
| ## 147 | -0.75049545 | -0.74395031 | -0.6922156 | -0.69466101 | -0.7854205 | -0.9896360 |
| ## 148 | -0.35781987 | -0.85955178 | -0.8483855 | -0.63538180 | -0.7273996 | -0.9642265 |
| ## 149 | -0.34974831 | -0.67314516 | -0.8287891 | -0.48513446 | -0.8411465 | -0.9986782 |
| ## 150 | -0.61082147 | -0.59592959 | -0.8189346 | -0.64478235 | -0.9018924 | -0.9938402 |
| ## 151 | -0.81272942 | -0.97658260 | -0.9137578 | -0.87580852 | -0.9109940 | -0.9999048 |
| ## 152 | -0.88126006 | -0.95299517 | -0.9475265 | -0.90704705 | -0.9539571 | -0.9986800 |
| ## 153 | -0.91163652 | -0.96365745 | -0.9663665 | -0.95116643 | -0.9725211 | -0.9976242 |
| ## 154 | -0.88779817 | -0.93903722 | -0.9647924 | -0.97163404 | -0.9590194 | -0.9971674 |
| ## 155 | -0.77923544 | -0.92413486 | -0.9616062 | -0.95197300 | -0.9657923 | -0.9991891 |
| ## 156 | -0.83151685 | -0.89305800 | -0.9335431 | -0.95949898 | -0.9707948 | -0.9776459 |
| ## 157 | -0.79263249 | -0.92338389 | -0.9163489 | -0.93144849 | -0.9232645 | -0.9852158 |
| ## 158 | -0.73571284 | -0.90815800 | -0.9203093 | -0.90840385 | -0.8450848 | -0.9994743 |
| ## 159 | -0.68708199 | -0.83734449 | -0.9321373 | -0.91887932 | -0.8834680 | -0.9925677 |



|        |             |             |            |             |            |            |
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| ## 160 | -0.79951469 | -0.89791545 | -0.9766566 | -0.92190438 | -0.9692540 | -0.9967050 |
| ## 161 | -0.88549973 | -0.93030142 | -0.9715014 | -0.89109772 | -0.9808539 | -0.9984984 |
| ## 162 | -0.83645026 | -0.91963270 | -0.9486147 | -0.90037442 | -0.9728771 | -0.9942812 |
| ## 163 | -0.80036826 | -0.94604801 | -0.9494855 | -0.94792268 | -0.9557002 | -0.9910688 |
| ## 164 | -0.78301912 | -0.95891485 | -0.9195026 | -0.90278577 | -0.9670980 | -0.9998774 |
| ## 165 | -0.83646301 | -0.92938326 | -0.9330586 | -0.93132729 | -0.9569487 | -0.9947822 |
| ## 166 | -0.93784934 | -0.93389304 | -0.9827396 | -0.97085759 | -0.9702919 | -0.9980578 |
| ## 167 | -0.93876143 | -0.97144536 | -0.9898950 | -0.97839534 | -0.9835730 | -0.9817344 |
| ## 168 | -0.86046668 | -0.94083958 | -0.9787326 | -0.94297067 | -0.9711900 | -0.9992223 |
| ## 169 | -0.82368095 | -0.86713036 | -0.9103803 | -0.97014196 | -0.9616809 | -0.9993296 |
| ## 170 | -0.86911424 | -0.89881888 | -0.8730963 | -0.96347228 | -0.9738404 | -0.9873340 |
| ## 171 | -0.89813855 | -0.95730971 | -0.9596631 | -0.95619160 | -0.9687389 | -0.9978260 |
| ## 172 | -0.84354382 | -0.93778734 | -0.9590760 | -0.95442747 | -0.9725308 | -0.9876566 |
| ## 173 | -0.87204454 | -0.89928717 | -0.9652576 | -0.95642430 | -0.9830718 | -0.9996157 |
| ## 174 | -0.84387555 | -0.90554887 | -0.9502801 | -0.95711271 | -0.9838813 | -0.9989337 |
| ## 175 | -0.87970144 | -0.88879762 | -0.9703809 | -0.90088022 | -0.9637246 | -0.9968832 |
| ## 176 | -0.75380800 | -0.93345523 | -0.9455812 | -0.77570945 | -0.8841773 | -0.9926986 |
| ## 177 | -0.99994829 | -0.99993419 | -0.9999172 | -0.99989861 | -0.9997877 | -0.9999894 |
| ##     | NA          | NA          | NA         | NA          | NA         | NA         |
| ## 1   | -0.9999823  | -0.99997072 | -0.9998110 | -0.9994847  | -0.9999808 | -0.9998519 |
| ## 2   | -0.9999867  | -0.99995600 | -0.9998767 | -0.9999141  | -0.9999744 | -0.9999058 |
| ## 3   | -0.9999628  | -0.99980377 | -0.9999227 | -0.9998752  | -0.9999085 | -0.9998430 |
| ## 4   | -0.9999781  | -0.99982688 | -0.9999824 | -0.9999426  | -0.9999268 | -0.9999009 |
| ## 5   | -0.9999883  | -0.99994120 | -0.9999587 | -0.9999579  | -0.9999748 | -0.9999391 |
| ## 6   | -0.9999866  | -0.99991847 | -0.9999058 | -0.9999407  | -0.9999674 | -0.9998864 |
| ## 7   | -0.9999830  | -0.99993274 | -0.9999253 | -0.9999080  | -0.9999644 | -0.9999237 |
| ## 8   | -0.9999799  | -0.99994388 | -0.9999047 | -0.9999469  | -0.9999632 | -0.9999241 |
| ## 9   | -0.9999867  | -0.99995137 | -0.9999490 | -0.9999404  | -0.9999778 | -0.9999351 |
| ## 10  | -0.9999531  | -0.99984640 | -0.9999002 | -0.9998759  | -0.9999356 | -0.9997788 |
| ## 11  | -0.9999545  | -0.99986107 | -0.9998909 | -0.9997866  | -0.9999423 | -0.9997784 |
| ## 12  | -0.9999893  | -0.99997732 | -0.9999895 | -0.9999167  | -0.9999875 | -0.9999794 |
| ## 13  | -0.9999928  | -0.99998971 | -0.9999813 | -0.9999837  | -0.9999943 | -0.9999807 |
| ## 14  | -0.9999889  | -0.99995771 | -0.9999509 | -0.9999688  | -0.9999797 | -0.9999464 |
| ## 15  | -0.9999653  | -0.99981568 | -0.9998476 | -0.9998142  | -0.9999205 | -0.9997780 |
| ## 16  | -0.9999806  | -0.99993087 | -0.9999254 | -0.9999176  | -0.9999664 | -0.9999071 |
| ## 17  | -0.9999834  | -0.99990264 | -0.9999558 | -0.9999506  | -0.9999724 | -0.9998671 |
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| ## 19  | -0.9999835  | -0.99994701 | -0.9999158 | -0.9999621  | -0.9999763 | -0.9999017 |
| ## 20  | -0.9999768  | -0.99997943 | -0.9999284 | -0.9999571  | -0.9999818 | -0.9999269 |
| ## 21  | -0.9999780  | -0.99995892 | -0.9999385 | -0.9999468  | -0.9999800 | -0.9999089 |
| ## 22  | -0.9999892  | -0.99992641 | -0.9999366 | -0.9999164  | -0.9999754 | -0.9998998 |
| ## 23  | -0.9999871  | -0.99993032 | -0.9999482 | -0.9999212  | -0.9999708 | -0.9999246 |
| ## 24  | -0.9999891  | -0.99994975 | -0.9999532 | -0.9999639  | -0.9999843 | -0.9999189 |
| ## 25  | -0.9999848  | -0.99995799 | -0.9999587 | -0.9999623  | -0.9999793 | -0.9999421 |
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| ## 30  | -0.9999856  | -0.99992496 | -0.9998845 | -0.9999146  | -0.9999813 | -0.9998322 |
| ## 31  | -0.9950566  | -0.99137785 | -0.9920709 | -0.9966005  | -0.9926739 | -0.9918943 |

|       |            |             |            |            |            |            |
|-------|------------|-------------|------------|------------|------------|------------|
| ## 32 | -0.9939735 | -0.98414070 | -0.9910807 | -0.9965201 | -0.9886611 | -0.9899720 |
| ## 33 | -0.9992487 | -0.99330544 | -0.9974996 | -0.9945233 | -0.9966828 | -0.9964942 |
| ## 34 | -0.9999306 | -0.99985124 | -0.9998174 | -0.9998822 | -0.9999197 | -0.9997244 |
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| ## 36 | -0.9999892 | -0.99998120 | -0.9999199 | -0.9999635 | -0.9999854 | -0.9999460 |
| ## 37 | -0.9999931 | -0.99993961 | -0.9999601 | -0.9999100 | -0.9999784 | -0.9999381 |
| ## 38 | -0.9999855 | -0.99990492 | -0.9999595 | -0.9999064 | -0.9999611 | -0.9999186 |
| ## 39 | -0.9999408 | -0.99960837 | -0.9996998 | -0.9997677 | -0.9998353 | -0.9995577 |
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| ## 41 | -0.9999650 | -0.99993189 | -0.9999272 | -0.9999617 | -0.9999527 | -0.9999143 |
| ## 42 | -0.9999569 | -0.99990356 | -0.9998609 | -0.9999838 | -0.9999519 | -0.9998027 |
| ## 43 | -0.9999687 | -0.99992685 | -0.9998695 | -0.9999776 | -0.9999705 | -0.9998156 |
| ## 44 | -0.9999836 | -0.99995260 | -0.9998577 | -0.9999630 | -0.9999818 | -0.9998534 |
| ## 45 | -0.9999737 | -0.99991456 | -0.9998575 | -0.9999617 | -0.9999710 | -0.9997993 |
| ## 46 | -0.9999750 | -0.99984586 | -0.9999183 | -0.9999356 | -0.9999604 | -0.9997651 |
| ## 47 | -0.9999748 | -0.99985541 | -0.9999237 | -0.9999716 | -0.9999712 | -0.9997469 |
| ## 48 | -0.9999778 | -0.99986528 | -0.9998834 | -0.9999794 | -0.9999653 | -0.9997649 |
| ## 49 | -0.9999773 | -0.99985353 | -0.9999208 | -0.9999207 | -0.9999388 | -0.9998605 |
| ## 50 | -0.9999829 | -0.99989643 | -0.9999059 | -0.9999373 | -0.9999579 | -0.9998722 |
| ## 51 | -0.9999724 | -0.99990738 | -0.9998687 | -0.9998467 | -0.9999677 | -0.9998026 |
| ## 52 | -0.9985920 | -0.99806610 | -0.9993072 | -0.9984675 | -0.9985915 | -0.9972804 |
| ## 53 | -0.9999525 | -0.99989602 | -0.9999385 | -0.9999202 | -0.9999500 | -0.9998364 |
| ## 54 | -0.9999665 | -0.99996372 | -0.9998693 | -0.9999840 | -0.9999698 | -0.9998740 |
| ## 55 | -0.9999605 | -0.99994445 | -0.9999069 | -0.9999636 | -0.9999616 | -0.9998785 |
| ## 56 | -0.9999692 | -0.99993773 | -0.9999413 | -0.9999060 | -0.9999692 | -0.9998880 |
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| ## 59 | -0.9999643 | -0.99994317 | -0.9999154 | -0.9999790 | -0.9999597 | -0.9998995 |
| ## 60 | -0.9999617 | -0.99994230 | -0.9998973 | -0.9999896 | -0.9999608 | -0.9998746 |
| ## 61 | -0.9999481 | -0.99990800 | -0.9998449 | -0.9999799 | -0.9999416 | -0.9998107 |
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| ## 63 | -0.9999592 | -0.99991607 | -0.9998889 | -0.9999631 | -0.9999438 | -0.9998767 |
| ## 64 | -0.9999577 | -0.99986380 | -0.9998368 | -0.9999344 | -0.9999338 | -0.9997845 |
| ## 65 | -0.9981357 | -0.99482234 | -0.9963158 | -0.9964529 | -0.9979677 | -0.9907225 |
| ## 66 | -0.9998384 | -0.99966597 | -0.9996730 | -0.9998649 | -0.9997823 | -0.9995367 |
| ## 67 | -0.9929858 | -0.99205003 | -0.9936838 | -0.9965461 | -0.9918503 | -0.9912326 |
| ## 68 | -0.9926046 | -0.99114447 | -0.9930749 | -0.9964164 | -0.9912481 | -0.9903335 |
| ## 69 | -0.9995848 | -0.99860422 | -0.9993100 | -0.9995648 | -0.9991714 | -0.9989235 |
| ## 70 | -0.9969734 | -0.97192129 | -0.9893543 | -0.9950157 | -0.9929430 | -0.9617762 |
| ## 71 | -0.9693708 | -0.89785961 | -0.9599258 | -0.9621504 | -0.9497478 | -0.8908459 |
| ## 72 | -0.9705573 | -0.91756546 | -0.9641955 | -0.9648653 | -0.9505834 | -0.9271816 |
| ## 73 | -0.9972154 | -0.99176793 | -0.9978076 | -0.9983286 | -0.9941565 | -0.9972415 |
| ## 74 | -0.9998914 | -0.99905781 | -0.9995564 | -0.9995365 | -0.9995994 | -0.9992170 |
| ## 75 | -0.9999107 | -0.99909046 | -0.9995697 | -0.9996984 | -0.9996064 | -0.9993099 |
| ## 76 | -0.9999691 | -0.99989772 | -0.9998476 | -0.9999314 | -0.9999516 | -0.9998188 |
| ## 77 | -0.9999527 | -0.99986607 | -0.9998824 | -0.9999180 | -0.9999307 | -0.9998162 |
| ## 78 | -0.9999380 | -0.99977695 | -0.9997475 | -0.9999319 | -0.9999133 | -0.9995955 |
| ## 79 | -0.7358133 | -0.59701887 | -0.8367280 | -0.9330855 | -0.6407566 | -0.7266430 |
| ## 80 | -0.6728637 | -0.51157646 | -0.8839256 | -0.8943062 | -0.5733679 | -0.6741129 |
| ## 81 | -0.7653461 | -0.55240106 | -0.8251168 | -0.8191602 | -0.6902346 | -0.5543759 |

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| ## 82  | -0.7295890 | -0.45541310 | -0.8590648 | -0.9108086 | -0.6227624 | -0.5490138 |
| ## 83  | -0.7581629 | -0.55056282 | -0.9003452 | -0.9623805 | -0.6684200 | -0.6574716 |
| ## 84  | -0.7582811 | -0.68046513 | -0.8880950 | -0.8537057 | -0.7320817 | -0.6473395 |
| ## 85  | -0.7305881 | -0.38899273 | -0.9246773 | -0.8518686 | -0.5985253 | -0.5682395 |
| ## 86  | -0.7354614 | -0.15928122 | -0.9030320 | -0.9374922 | -0.5019219 | -0.5158350 |
| ## 87  | -0.7755424 | -0.76122553 | -0.8947009 | -0.9204613 | -0.7440327 | -0.7937022 |
| ## 88  | -0.7476286 | -0.62824943 | -0.8309994 | -0.8817703 | -0.6733879 | -0.6949661 |
| ## 89  | -0.7340191 | -0.59725851 | -0.7909015 | -0.8913489 | -0.6748075 | -0.5734683 |
| ## 90  | -0.7047503 | -0.47340790 | -0.7847348 | -0.9523790 | -0.5997630 | -0.5401930 |
| ## 91  | -0.7148762 | -0.56356194 | -0.8408066 | -0.9654485 | -0.6349731 | -0.6353626 |
| ## 92  | -0.6746584 | -0.65791458 | -0.8393284 | -0.9352203 | -0.6337726 | -0.6857359 |
| ## 93  | -0.6978273 | -0.52387722 | -0.8607690 | -0.6829095 | -0.6180579 | -0.5935674 |
| ## 94  | -0.7054696 | -0.32511214 | -0.8497168 | -0.7609796 | -0.4970095 | -0.6924649 |
| ## 95  | -0.7232713 | -0.15726749 | -0.8425054 | -0.8179039 | -0.4294187 | -0.6889571 |
| ## 96  | -0.7004113 | -0.33222662 | -0.8896374 | -0.8324505 | -0.5041113 | -0.6926798 |
| ## 97  | -0.7653802 | -0.28942673 | -0.8861976 | -0.8887989 | -0.5122227 | -0.7700395 |
| ## 98  | -0.8217104 | -0.42402293 | -0.8564838 | -0.7757238 | -0.6205682 | -0.7568144 |
| ## 99  | -0.6632240 | -0.47108596 | -0.8338416 | -0.6787912 | -0.5509208 | -0.6235138 |
| ## 100 | -0.5909882 | -0.41795207 | -0.7640728 | -0.4978735 | -0.4944948 | -0.4830121 |
| ## 101 | -0.6037527 | -0.49987074 | -0.7818859 | -0.5835713 | -0.5169202 | -0.5901782 |
| ## 102 | -0.6934764 | -0.39714921 | -0.6686543 | -0.6052544 | -0.5201906 | -0.5783477 |
| ## 103 | -0.7757500 | -0.46616999 | -0.7985002 | -0.7433556 | -0.6345953 | -0.6130206 |
| ## 104 | -0.7379749 | -0.46590107 | -0.8605505 | -0.9358475 | -0.6146601 | -0.6188320 |
| ## 105 | -0.7442512 | -0.53502602 | -0.8002970 | -0.9003309 | -0.6341309 | -0.6443493 |
| ## 106 | -0.7133351 | -0.58905864 | -0.7969308 | -0.8816312 | -0.6384330 | -0.6324442 |
| ## 107 | -0.6293896 | -0.49245056 | -0.7587209 | -0.8250549 | -0.5622219 | -0.4762682 |
| ## 108 | -0.7235744 | -0.44954479 | -0.7057960 | -0.7463457 | -0.5933645 | -0.5212600 |
| ## 109 | -0.7748426 | -0.50654391 | -0.7758382 | -0.6858673 | -0.6383895 | -0.6499258 |
| ## 110 | -0.7847213 | -0.45303537 | -0.7602621 | -0.7617679 | -0.6419976 | -0.5644605 |
| ## 111 | -0.7716071 | -0.44552406 | -0.8301191 | -0.7365832 | -0.6397549 | -0.5703083 |
| ## 112 | -0.6766611 | -0.54613431 | -0.7330269 | -0.8778173 | -0.6257033 | -0.4601229 |
| ## 113 | -0.6898734 | -0.48908620 | -0.7163704 | -0.7677634 | -0.6099708 | -0.4441265 |
| ## 114 | -0.7042545 | -0.50642577 | -0.7572034 | -0.9177939 | -0.6117810 | -0.5341604 |
| ## 115 | -0.7208537 | -0.55999448 | -0.8517444 | -0.9799555 | -0.6356440 | -0.6509261 |
| ## 116 | -0.7286425 | -0.49609911 | -0.8512130 | -0.9218929 | -0.6155166 | -0.6344877 |
| ## 117 | -0.7001157 | -0.34928090 | -0.8360189 | -0.8351515 | -0.5369642 | -0.5707812 |
| ## 118 | -0.7343176 | -0.34278845 | -0.8490884 | -0.9076392 | -0.5764674 | -0.5265167 |
| ## 119 | -0.8429175 | -0.62762180 | -0.8481533 | -0.8214966 | -0.7351979 | -0.7549581 |
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| ## 121 | -0.8024322 | -0.52686412 | -0.8178956 | -0.8673168 | -0.6456165 | -0.7635528 |
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| ## 123 | -0.7479996 | -0.53263534 | -0.8575468 | -0.8838735 | -0.6276375 | -0.7116386 |
| ## 124 | -0.7572727 | -0.53083947 | -0.8682741 | -0.9225927 | -0.6308862 | -0.7302239 |
| ## 125 | -0.8512816 | -0.48246699 | -0.8795739 | -0.8885261 | -0.6984044 | -0.6828486 |
| ## 126 | -0.8071771 | -0.54638026 | -0.7867984 | -0.8333668 | -0.6849082 | -0.6525746 |
| ## 127 | -0.7415680 | -0.41996129 | -0.8254089 | -0.7828032 | -0.5981701 | -0.5850918 |
| ## 128 | -0.7683112 | -0.38184279 | -0.8096733 | -0.9083961 | -0.6259417 | -0.4883594 |
| ## 129 | -0.7689860 | -0.44502890 | -0.8741386 | -0.9223939 | -0.6306900 | -0.6231802 |
| ## 130 | -0.6135000 | -0.45408255 | -0.7340147 | -0.8234504 | -0.5205618 | -0.4954904 |
| ## 131 | -0.5506608 | -0.30381854 | -0.6890690 | -0.8505205 | -0.4640962 | -0.2347391 |

|        |            |             |             |            |            |            |
|--------|------------|-------------|-------------|------------|------------|------------|
| ## 132 | -0.6930710 | -0.36336104 | -0.5870515  | -0.9507831 | -0.5772624 | -0.2681953 |
| ## 133 | -0.7426037 | -0.61487429 | -0.6279428  | -0.9077742 | -0.6725199 | -0.5251710 |
| ## 134 | -0.7381798 | -0.52277016 | -0.8369987  | -0.8988953 | -0.6455256 | -0.5922314 |
| ## 135 | -0.5823979 | -0.19774055 | -0.3451511  | -0.7697140 | -0.4712374 | 0.1114258  |
| ## 136 | -0.6297677 | -0.09777441 | -0.7020379  | -0.8604705 | -0.4022081 | -0.3303941 |
| ## 137 | -0.5711943 | -0.18086053 | -0.6472080  | -0.6805840 | -0.3277890 | -0.5286127 |
| ## 138 | -0.6052683 | -0.45062186 | -0.4565091  | -0.7790982 | -0.5257686 | -0.2624228 |
| ## 139 | -0.5845316 | -0.49770904 | -0.5506593  | -0.8645706 | -0.5429025 | -0.2881291 |
| ## 140 | -0.6552559 | -0.36502357 | -0.8321678  | -0.9437228 | -0.4663002 | -0.7151292 |
| ## 141 | -0.5245708 | -0.32466814 | -0.6750696  | -0.7488008 | -0.4013324 | -0.4053858 |
| ## 142 | -0.5451089 | -0.36965449 | -0.6288446  | -0.7982862 | -0.4236665 | -0.4293256 |
| ## 143 | -0.6121765 | -0.48259078 | -0.7994656  | -0.7802876 | -0.4884281 | -0.6948573 |
| ## 144 | -0.6279764 | -0.42356215 | -0.7660886  | -0.8667875 | -0.5117802 | -0.5362137 |
| ## 145 | -0.7805461 | -0.15843363 | -0.7706826  | -0.8770646 | -0.4888769 | -0.5952282 |
| ## 146 | -0.6412199 | -0.30674614 | -0.5873373  | -0.9315501 | -0.4600707 | -0.4355325 |
| ## 147 | -0.5616742 | -0.68939752 | -0.6676189  | -0.7871332 | -0.5537980 | -0.5876137 |
| ## 148 | -0.7235132 | -0.42862519 | -0.7481118  | -0.7252047 | -0.5319110 | -0.7270508 |
| ## 149 | -0.7657555 | -0.34023594 | -0.6731109  | -0.8436422 | -0.5625486 | -0.5390315 |
| ## 150 | -0.7208436 | -0.51345522 | -0.7322003  | -0.9024007 | -0.6271781 | -0.5217352 |
| ## 151 | -0.8715146 | -0.84109903 | -0.8909744  | -0.9125172 | -0.8252703 | -0.9094567 |
| ## 152 | -0.8615974 | -0.88510879 | -0.9265122  | -0.9544994 | -0.8437308 | -0.9159250 |
| ## 153 | -0.8852188 | -0.91390402 | -0.9573249  | -0.9725378 | -0.8742947 | -0.9445032 |
| ## 154 | -0.9017912 | -0.88415836 | -0.9646917  | -0.9591816 | -0.8783563 | -0.9312776 |
| ## 155 | -0.8787720 | -0.79145207 | -0.9544596  | -0.9662280 | -0.8181735 | -0.9133995 |
| ## 156 | -0.8869229 | -0.81927301 | -0.9387086  | -0.9669789 | -0.8448119 | -0.8798717 |
| ## 157 | -0.8856601 | -0.80175328 | -0.9156151  | -0.9217353 | -0.8288335 | -0.8867410 |
| ## 158 | -0.8931912 | -0.74988705 | -0.9087903  | -0.8476662 | -0.8129369 | -0.8709138 |
| ## 159 | -0.8288847 | -0.68015046 | -0.9210461  | -0.8840495 | -0.7428444 | -0.8268709 |
| ## 160 | -0.8703747 | -0.79601345 | -0.9521924  | -0.9691495 | -0.8192724 | -0.8925191 |
| ## 161 | -0.8496431 | -0.87849228 | -0.9360505  | -0.9808952 | -0.8358133 | -0.9055809 |
| ## 162 | -0.8465764 | -0.83487589 | -0.9244968  | -0.9722412 | -0.8144806 | -0.8899403 |
| ## 163 | -0.9122644 | -0.81786010 | -0.9446517  | -0.9547408 | -0.8530643 | -0.9229862 |
| ## 164 | -0.9029259 | -0.80975135 | -0.9059362  | -0.9676442 | -0.8389252 | -0.9064678 |
| ## 165 | -0.8865015 | -0.83917442 | -0.9267882  | -0.9566855 | -0.8463793 | -0.8986786 |
| ## 166 | -0.9078973 | -0.92161496 | -0.9764263  | -0.9704310 | -0.9025026 | -0.9353657 |
| ## 167 | -0.9187959 | -0.93885473 | -0.9843347  | -0.9803262 | -0.9115600 | -0.9684038 |
| ## 168 | -0.8844740 | -0.86326163 | -0.9622573  | -0.9715387 | -0.8540006 | -0.9309722 |
| ## 169 | -0.8858477 | -0.80165139 | -0.9275318  | -0.9622150 | -0.8409363 | -0.8532192 |
| ## 170 | -0.9019420 | -0.85164285 | -0.8997450  | -0.9718448 | -0.8712838 | -0.8579405 |
| ## 171 | -0.9001211 | -0.90040063 | -0.9548908  | -0.9688601 | -0.8810029 | -0.9381811 |
| ## 172 | -0.9113890 | -0.84848975 | -0.9537704  | -0.9706202 | -0.8689865 | -0.9230155 |
| ## 173 | -0.9231658 | -0.85417421 | -0.9587441  | -0.9832907 | -0.8893664 | -0.8979347 |
| ## 174 | -0.8804242 | -0.83457413 | -0.9489679  | -0.9839544 | -0.8443782 | -0.8959877 |
| ## 175 | -0.8744909 | -0.85563706 | -0.9393242  | -0.9637503 | -0.8534305 | -0.8771401 |
| ## 176 | -0.8556535 | -0.77537285 | -0.8711495  | -0.8847717 | -0.7899164 | -0.8642946 |
| ## 177 | -0.9999839 | -0.99994048 | -0.9999164  | -0.9997894 | -0.9999720 | -0.9999073 |
| ##     | NA         | NA          | NA          | NA         | NA         | NA         |
| ## 1   | -0.9999326 | -0.9998999  | -0.99982444 | -0.9998598 | -0.9997275 | -0.9997288 |
| ## 2   | -0.9998610 | -0.9998272  | -0.99945649 | -0.9998303 | -0.9996093 | -0.9996855 |
| ## 3   | -0.9998203 | -0.9997439  | -0.99955907 | -0.9998386 | -0.9996673 | -0.9996275 |

|       |            |            |             |            |            |            |
|-------|------------|------------|-------------|------------|------------|------------|
| ## 4  | -0.9998950 | -0.9997965 | -0.99988815 | -0.9999061 | -0.9996812 | -0.9998463 |
| ## 5  | -0.9999254 | -0.9998775 | -0.99981036 | -0.9999321 | -0.9997284 | -0.9997694 |
| ## 6  | -0.9999001 | -0.9999422 | -0.99978381 | -0.9998103 | -0.9998735 | -0.9996886 |
| ## 7  | -0.9998286 | -0.9998400 | -0.99983699 | -0.9996681 | -0.9997485 | -0.9995457 |
| ## 8  | -0.9997883 | -0.9998156 | -0.99977210 | -0.9995652 | -0.9994789 | -0.9993055 |
| ## 9  | -0.9998970 | -0.9997676 | -0.99974782 | -0.9994849 | -0.9996420 | -0.9990158 |
| ## 10 | -0.9996861 | -0.9995318 | -0.99926475 | -0.9992874 | -0.9993564 | -0.9988162 |
| ## 11 | -0.9996810 | -0.9996827 | -0.99942783 | -0.9993665 | -0.9990824 | -0.9996192 |
| ## 12 | -0.9998962 | -0.9999405 | -0.99990473 | -0.9997974 | -0.9996253 | -0.9997731 |
| ## 13 | -0.9999151 | -0.9999739 | -0.99985840 | -0.9998089 | -0.9996723 | -0.9997769 |
| ## 14 | -0.9999073 | -0.9999711 | -0.99986257 | -0.9999252 | -0.9998438 | -0.9997408 |
| ## 15 | -0.9996509 | -0.9998265 | -0.99982432 | -0.9997082 | -0.9996046 | -0.9999014 |
| ## 16 | -0.9998556 | -0.9999808 | -0.99996534 | -0.9999126 | -0.9999065 | -0.9998310 |
| ## 17 | -0.9998789 | -0.9999362 | -0.99994243 | -0.9999024 | -0.9998769 | -0.9996700 |
| ## 18 | -0.9999320 | -0.9999220 | -0.99986771 | -0.9999371 | -0.9998135 | -0.9997728 |
| ## 19 | -0.9999130 | -0.9999496 | -0.99985833 | -0.9999221 | -0.9998748 | -0.9999081 |
| ## 20 | -0.9999354 | -0.9999292 | -0.99988872 | -0.9999252 | -0.9998998 | -0.9998971 |
| ## 21 | -0.9999802 | -0.9999203 | -0.99993564 | -0.9999390 | -0.9998585 | -0.9997666 |
| ## 22 | -0.9999721 | -0.9998994 | -0.99983242 | -0.9998757 | -0.9993275 | -0.9994604 |
| ## 23 | -0.9999152 | -0.9998927 | -0.99963947 | -0.9998123 | -0.9992565 | -0.9994408 |
| ## 24 | -0.9998856 | -0.9999321 | -0.99970358 | -0.9997508 | -0.9996390 | -0.9996934 |
| ## 25 | -0.9999465 | -0.9998925 | -0.99980685 | -0.9997527 | -0.9995304 | -0.9998566 |
| ## 26 | -0.9999417 | -0.9999443 | -0.99971553 | -0.9998052 | -0.9996321 | -0.9994700 |
| ## 27 | -0.9999497 | -0.9999561 | -0.99978095 | -0.9998484 | -0.9998091 | -0.9995300 |
| ## 28 | -0.9969558 | -0.9994196 | -0.99965310 | -0.9997580 | -0.9997660 | -0.9992205 |
| ## 29 | -0.9993902 | -0.9999336 | -0.99992478 | -0.9998510 | -0.9998915 | -0.9996674 |
| ## 30 | -0.9999249 | -0.9999451 | -0.99992351 | -0.9998626 | -0.9999164 | -0.9997595 |
| ## 31 | -0.9865558 | -0.9895636 | -0.98870861 | -0.9983343 | -0.9929979 | -0.9907350 |
| ## 32 | -0.9838811 | -0.9876233 | -0.98655350 | -0.9971809 | -0.9923449 | -0.9893631 |
| ## 33 | -0.9959275 | -0.9988945 | -0.99669455 | -0.9986706 | -0.9985886 | -0.9981304 |
| ## 34 | -0.9995113 | -0.9997703 | -0.99972280 | -0.9997485 | -0.9997820 | -0.9993198 |
| ## 35 | -0.9999577 | -0.9999659 | -0.99988233 | -0.9998276 | -0.9996184 | -0.9998755 |
| ## 36 | -0.9999481 | -0.9999740 | -0.99991477 | -0.9998340 | -0.9997048 | -0.9998325 |
| ## 37 | -0.9999514 | -0.9999646 | -0.99985666 | -0.9998508 | -0.9998007 | -0.9996226 |
| ## 38 | -0.9999671 | -0.9999116 | -0.99987826 | -0.9998456 | -0.9997900 | -0.9997710 |
| ## 39 | -0.9986473 | -0.9996768 | -0.99961245 | -0.9995440 | -0.9992395 | -0.9993137 |
| ## 40 | -0.9998444 | -0.9999648 | -0.99996210 | -0.9997345 | -0.9997341 | -0.9996805 |
| ## 41 | -0.9999270 | -0.9999746 | -0.99990399 | -0.9998333 | -0.9996978 | -0.9999389 |
| ## 42 | -0.9999768 | -0.9999580 | -0.99978940 | -0.9998831 | -0.9997198 | -0.9999184 |
| ## 43 | -0.9999398 | -0.9999529 | -0.99978909 | -0.9998508 | -0.9998073 | -0.9997874 |
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| ## 45 | -0.9999172 | -0.9999503 | -0.99986557 | -0.9998292 | -0.9998395 | -0.9996915 |
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|        |            |            |             |            |            |            |
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| ## 54  | -0.9999675 | -0.9999414 | -0.99985079 | -0.9998946 | -0.9997713 | -0.9998033 |
| ## 55  | -0.9999493 | -0.9999765 | -0.99993690 | -0.9998685 | -0.9997045 | -0.9998783 |
| ## 56  | -0.9999655 | -0.9999828 | -0.99994193 | -0.9998341 | -0.9997803 | -0.9998062 |
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| ## 62  | -0.9999756 | -0.9999545 | -0.99988584 | -0.9998795 | -0.9997887 | -0.9998435 |
| ## 63  | -0.9999508 | -0.9999561 | -0.99992593 | -0.9999405 | -0.9998532 | -0.9998242 |
| ## 64  | -0.9999640 | -0.9999513 | -0.99990629 | -0.9999490 | -0.9998355 | -0.9998833 |
| ## 65  | -0.9965116 | -0.9961328 | -0.99485045 | -0.9815698 | -0.9917992 | -0.9906583 |
| ## 66  | -0.9996386 | -0.9999086 | -0.99982262 | -0.9996138 | -0.9997014 | -0.9997230 |
| ## 67  | -0.7865623 | -0.9528335 | -0.97766591 | -0.9870074 | -0.9738846 | -0.9635143 |
| ## 68  | -0.7864389 | -0.9488550 | -0.97626048 | -0.9849981 | -0.9731179 | -0.9627612 |
| ## 69  | -0.9911163 | -0.9978408 | -0.99577962 | -0.9969192 | -0.9990166 | -0.9978430 |
| ## 70  | -0.9740758 | -0.9898546 | -0.97737749 | -0.9795224 | -0.9871997 | -0.9752447 |
| ## 71  | -0.2833900 | -0.8706240 | -0.94836671 | -0.8292916 | -0.5165625 | -0.7503263 |
| ## 72  | -0.2920621 | -0.8798006 | -0.96459255 | -0.8289273 | -0.5386968 | -0.7918468 |
| ## 73  | -0.9793020 | -0.9953613 | -0.99701016 | -0.9981443 | -0.9945550 | -0.9872580 |
| ## 74  | -0.9964508 | -0.9997226 | -0.99948565 | -0.9994949 | -0.9994314 | -0.9993667 |
| ## 75  | -0.9995115 | -0.9998717 | -0.99970319 | -0.9995435 | -0.9994645 | -0.9996274 |
| ## 76  | -0.9998618 | -0.9999724 | -0.99989292 | -0.9997204 | -0.9998022 | -0.9997540 |
| ## 77  | -0.9999036 | -0.9999481 | -0.99989638 | -0.9998938 | -0.9998615 | -0.9997748 |
| ## 78  | -0.9998908 | -0.9999297 | -0.99981498 | -0.9998479 | -0.9998534 | -0.9996236 |
| ## 79  | -0.8495971 | -0.6258181 | -0.65045026 | -0.9029509 | -0.8905495 | -0.8924096 |
| ## 80  | -0.8248145 | -0.4219907 | -0.72192646 | -0.6788534 | -0.8541034 | -0.7828069 |
| ## 81  | -0.7632301 | -0.5497918 | -0.59487472 | -0.6798289 | -0.8260636 | -0.7387300 |
| ## 82  | -0.6819695 | -0.4110942 | -0.55142153 | -0.8636242 | -0.8159763 | -0.7055306 |
| ## 83  | -0.5602028 | -0.4411507 | -0.58188213 | -0.7654145 | -0.7022628 | -0.6233875 |
| ## 84  | -0.6932954 | -0.6427735 | -0.49330273 | -0.7532120 | -0.7320256 | -0.5614444 |
| ## 85  | -0.7484983 | -0.4141413 | -0.69533829 | -0.9131659 | -0.8878673 | -0.8305798 |
| ## 86  | -0.7884210 | -0.3431011 | -0.67357900 | -0.8843882 | -0.8221046 | -0.6216382 |
| ## 87  | -0.8141733 | -0.4810732 | -0.75543911 | -0.7324934 | -0.8025089 | -0.8468163 |
| ## 88  | -0.7276135 | -0.3520880 | -0.63803565 | -0.6494708 | -0.7418523 | -0.7752417 |
| ## 89  | -0.6554879 | -0.5501585 | -0.66539564 | -0.8188876 | -0.7925432 | -0.7753751 |
| ## 90  | -0.7329925 | -0.5197920 | -0.57214593 | -0.8656360 | -0.7485334 | -0.7450205 |
| ## 91  | -0.6632343 | -0.3972369 | -0.57013426 | -0.7883005 | -0.7024903 | -0.6942732 |
| ## 92  | -0.7151610 | -0.4104602 | -0.24909495 | -0.6724997 | -0.6519703 | -0.6608783 |
| ## 93  | -0.6483084 | -0.2676659 | -0.31446575 | -0.6207432 | -0.7168972 | -0.6681115 |
| ## 94  | -0.7004885 | -0.3239907 | -0.52871168 | -0.7804070 | -0.8268976 | -0.5896938 |
| ## 95  | -0.6901963 | -0.4114938 | -0.60837743 | -0.8929964 | -0.8356473 | -0.7185526 |
| ## 96  | -0.7141543 | -0.3420558 | -0.78416017 | -0.9085949 | -0.7338024 | -0.6878722 |
| ## 97  | -0.7698582 | -0.3192689 | -0.59779708 | -0.7088721 | -0.7965949 | -0.7176945 |
| ## 98  | -0.7421343 | -0.4290602 | -0.52876666 | -0.6882719 | -0.7789484 | -0.6007427 |
| ## 99  | -0.5326363 | -0.4479565 | -0.49006994 | -0.8342433 | -0.7539522 | -0.5873654 |
| ## 100 | -0.6321265 | -0.5363850 | -0.47026910 | -0.7695007 | -0.8309175 | -0.6116395 |
| ## 101 | -0.7383864 | -0.6061532 | -0.46735651 | -0.7878719 | -0.6209367 | -0.7710176 |
| ## 102 | -0.5649249 | -0.5054911 | 0.07202794  | -0.7250309 | -0.4237265 | -0.4771627 |
| ## 103 | -0.7149845 | -0.3200821 | -0.09913592 | -0.5491809 | -0.5238738 | -0.6300725 |

|        |            |            |             |            |            |            |
|--------|------------|------------|-------------|------------|------------|------------|
| ## 104 | -0.5621287 | -0.1058860 | -0.38100682 | -0.5103500 | -0.6186748 | -0.8135402 |
| ## 105 | -0.7303628 | -0.2161931 | -0.51607005 | -0.6772934 | -0.7398990 | -0.7683954 |
| ## 106 | -0.6914480 | -0.5176874 | -0.70095812 | -0.7768784 | -0.8135457 | -0.8118000 |
| ## 107 | -0.7297853 | -0.2765294 | -0.54507811 | -0.7873635 | -0.7458412 | -0.8450947 |
| ## 108 | -0.6131382 | -0.3076811 | -0.09635146 | -0.7661322 | -0.7518970 | -0.6098442 |
| ## 109 | -0.6100171 | -0.3481916 | -0.21610403 | -0.6891801 | -0.5922891 | -0.6088397 |
| ## 110 | -0.7180075 | -0.2539798 | -0.56377925 | -0.7127296 | -0.5506933 | -0.6394960 |
| ## 111 | -0.7374328 | -0.3818578 | -0.54866781 | -0.7950385 | -0.6194499 | -0.7155332 |
| ## 112 | -0.6056565 | -0.4976056 | 0.10551202  | -0.5397056 | -0.7847879 | -0.3231207 |
| ## 113 | -0.7214219 | -0.5160434 | -0.53266369 | -0.7924285 | -0.8270816 | -0.7158933 |
| ## 114 | -0.7325604 | -0.5627343 | -0.62236146 | -0.8264424 | -0.6844215 | -0.7895948 |
| ## 115 | -0.5644257 | -0.4746451 | -0.64398397 | -0.8578863 | -0.7688766 | -0.8642159 |
| ## 116 | -0.6699640 | -0.3268966 | -0.61246764 | -0.8031941 | -0.9207765 | -0.8308855 |
| ## 117 | -0.6965491 | -0.3035036 | -0.56068874 | -0.7916763 | -0.8773339 | -0.8287184 |
| ## 118 | -0.7435598 | -0.3507517 | -0.68083052 | -0.8160947 | -0.7502525 | -0.6536051 |
| ## 119 | -0.7141220 | -0.4518033 | -0.75263730 | -0.8882758 | -0.7312908 | -0.5526635 |
| ## 120 | -0.7995567 | -0.5419593 | -0.78638167 | -0.9086161 | -0.7824260 | -0.6917747 |
| ## 121 | -0.8167019 | -0.5622118 | -0.71263030 | -0.8355932 | -0.8445725 | -0.7494833 |
| ## 122 | -0.8219621 | -0.4348436 | -0.64570519 | -0.8357172 | -0.7716646 | -0.1370129 |
| ## 123 | -0.7977345 | -0.3663661 | -0.61742704 | -0.8986903 | -0.7303071 | -0.2566084 |
| ## 124 | -0.7111120 | -0.4079907 | -0.68685088 | -0.8505266 | -0.8340705 | -0.8094872 |
| ## 125 | -0.7478494 | -0.4621572 | -0.65765856 | -0.8683457 | -0.8340633 | -0.8525887 |
| ## 126 | -0.7957492 | -0.7977508 | -0.74585931 | -0.6688114 | -0.7827890 | -0.7558536 |
| ## 127 | -0.7886771 | -0.7845804 | -0.69467501 | -0.6628873 | -0.7439377 | -0.7890136 |
| ## 128 | -0.6873684 | -0.6309310 | -0.63853910 | -0.7244873 | -0.8155961 | -0.8253440 |
| ## 129 | -0.5045224 | -0.5537657 | -0.56017016 | -0.7084843 | -0.7207854 | -0.7149053 |
| ## 130 | -0.6867534 | -0.5702787 | -0.56599413 | -0.8049109 | -0.5724021 | -0.7444525 |
| ## 131 | -0.6670168 | -0.4956417 | -0.51298534 | -0.7691000 | -0.6289513 | -0.6906753 |
| ## 132 | -0.7557517 | -0.6585408 | -0.43104558 | -0.7812940 | -0.7905680 | -0.7334148 |
| ## 133 | -0.8337788 | -0.7552432 | -0.50147744 | -0.8771499 | -0.8974981 | -0.7908670 |
| ## 134 | -0.8448188 | -0.7245212 | -0.58535815 | -0.8241273 | -0.9153519 | -0.7575217 |
| ## 135 | -0.6814985 | -0.5400016 | -0.72547174 | -0.7027307 | -0.5212777 | -0.4995547 |
| ## 136 | -0.7339115 | -0.6888748 | -0.50905506 | -0.6089950 | -0.7312262 | -0.5810933 |
| ## 137 | -0.5550509 | -0.3579670 | -0.42230326 | -0.6820950 | -0.8249648 | -0.5131047 |
| ## 138 | -0.4310227 | -0.4559744 | -0.39464021 | -0.7322869 | -0.8531840 | -0.7535032 |
| ## 139 | -0.6332144 | -0.7710289 | -0.78404419 | -0.6595038 | -0.8111550 | -0.8748394 |
| ## 140 | -0.6124664 | -0.7262000 | -0.66255814 | -0.5886683 | -0.8607988 | -0.9155357 |
| ## 141 | -0.8070565 | -0.7698510 | -0.64416882 | -0.5891522 | -0.8135596 | -0.7008258 |
| ## 142 | -0.7483246 | -0.8878059 | -0.74272360 | -0.6777019 | -0.7400477 | -0.6900927 |
| ## 143 | -0.7077163 | -0.7201472 | -0.53384447 | -0.8176048 | -0.7927875 | -0.7101797 |
| ## 144 | -0.7589046 | -0.7842233 | -0.49869833 | -0.8509670 | -0.7521612 | -0.6737721 |
| ## 145 | -0.6189192 | -0.5270976 | -0.41369955 | -0.7945967 | -0.7775890 | -0.5265896 |
| ## 146 | -0.5863958 | -0.5194236 | -0.31855738 | -0.6550167 | -0.7246188 | -0.5877779 |
| ## 147 | -0.6358255 | -0.7089019 | -0.78971611 | -0.7603042 | -0.7949801 | -0.7415252 |
| ## 148 | -0.7701599 | -0.7827367 | -0.82303714 | -0.8850156 | -0.8942584 | -0.9201570 |
| ## 149 | -0.7702200 | -0.8479682 | -0.71271081 | -0.8683057 | -0.8413977 | -0.7068011 |
| ## 150 | -0.8533977 | -0.8087213 | -0.49362337 | -0.8424425 | -0.7957617 | -0.6696755 |
| ## 151 | -0.5760399 | -0.9253804 | -0.93457066 | -0.9483786 | -0.9194689 | -0.8313102 |
| ## 152 | -0.5632845 | -0.9523725 | -0.93877627 | -0.9694439 | -0.8941761 | -0.8205034 |
| ## 153 | -0.5826731 | -0.8818995 | -0.90784044 | -0.9464927 | -0.8860571 | -0.8937657 |

|        |            |            |             |             |            |            |
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| ## 154 | -0.5088128 | -0.8044613 | -0.88845349 | -0.9069836  | -0.8790581 | -0.7441479 |
| ## 155 | -0.5514069 | -0.7918569 | -0.85190137 | -0.9071576  | -0.9195072 | -0.8755775 |
| ## 156 | -0.6003498 | -0.8618071 | -0.89366546 | -0.9255585  | -0.9625083 | -0.9141843 |
| ## 157 | -0.7152564 | -0.8311022 | -0.91789323 | -0.9291642  | -0.9534083 | -0.9428118 |
| ## 158 | -0.6401666 | -0.8788550 | -0.85876902 | -0.8946795  | -0.9264334 | -0.8784670 |
| ## 159 | -0.6334842 | -0.8982679 | -0.92671486 | -0.9145264  | -0.9665465 | -0.9150538 |
| ## 160 | -0.6669559 | -0.9180922 | -0.92862923 | -0.9089095  | -0.9773272 | -0.8994476 |
| ## 161 | -0.5290442 | -0.8766423 | -0.86885119 | -0.8722575  | -0.9592291 | -0.9245119 |
| ## 162 | -0.5564269 | -0.8709169 | -0.92056504 | -0.8993026  | -0.9496859 | -0.8975146 |
| ## 163 | -0.7268136 | -0.9311034 | -0.88746471 | -0.9317491  | -0.9514465 | -0.9203333 |
| ## 164 | -0.6542437 | -0.8880529 | -0.82101332 | -0.9298300  | -0.8993033 | -0.8525324 |
| ## 165 | -0.6486623 | -0.9417043 | -0.82209882 | -0.9308657  | -0.9250660 | -0.8675818 |
| ## 166 | -0.7555971 | -0.9442417 | -0.93261988 | -0.9455860  | -0.9830884 | -0.9506235 |
| ## 167 | -0.7671241 | -0.9352682 | -0.92588421 | -0.9576765  | -0.9781940 | -0.9032552 |
| ## 168 | -0.5586439 | -0.9186045 | -0.89725965 | -0.9211586  | -0.8732339 | -0.9080320 |
| ## 169 | -0.4518180 | -0.8462208 | -0.82116278 | -0.7892820  | -0.8862269 | -0.8452649 |
| ## 170 | -0.4671802 | -0.7894470 | -0.81268598 | -0.8104298  | -0.9023877 | -0.8094371 |
| ## 171 | -0.4753556 | -0.8321953 | -0.87162271 | -0.9301988  | -0.9561670 | -0.8839292 |
| ## 172 | -0.6974508 | -0.7787002 | -0.83594833 | -0.9059235  | -0.9317692 | -0.9032085 |
| ## 173 | -0.6581307 | -0.8104064 | -0.78857317 | -0.9096904  | -0.9197323 | -0.9486255 |
| ## 174 | -0.6196727 | -0.7892717 | -0.81953001 | -0.9248663  | -0.9352735 | -0.9490728 |
| ## 175 | -0.7035658 | -0.8170788 | -0.90245800 | -0.9558520  | -0.9524436 | -0.9112223 |
| ## 176 | -0.7966520 | -0.8281567 | -0.78235906 | -0.8999503  | -0.9438076 | -0.8698356 |
| ## 177 | -0.9995074 | -0.9998910 | -0.99975310 | -0.9996674  | -0.9998161 | -0.9994336 |
| ##     | NA         | NA         | NA          | NA          | NA         | NA         |
| ## 1   | -0.9995671 | -0.9997652 | -0.99990021 | -0.99981490 | -0.9997098 | -0.9995961 |
| ## 2   | -0.9995761 | -0.9999370 | -0.99981738 | -0.99953247 | -0.9995952 | -0.9996257 |
| ## 3   | -0.9997037 | -0.9999934 | -0.99973230 | -0.99961124 | -0.9996175 | -0.9997442 |
| ## 4   | -0.9996932 | -0.9999999 | -0.99979758 | -0.99988320 | -0.9997223 | -0.9997359 |
| ## 5   | -0.9995027 | -0.9999921 | -0.99987817 | -0.99983869 | -0.9997279 | -0.9995684 |
| ## 6   | -0.9995826 | -0.9999992 | -0.99993086 | -0.99976189 | -0.9998114 | -0.9996392 |
| ## 7   | -0.9996756 | -0.9998647 | -0.99982134 | -0.99973365 | -0.9996487 | -0.9997035 |
| ## 8   | -0.9998410 | -0.9999794 | -0.99978973 | -0.99963780 | -0.9993268 | -0.9998624 |
| ## 9   | -0.9997556 | -0.9999343 | -0.99977181 | -0.99958223 | -0.9993357 | -0.9997822 |
| ## 10  | -0.9996685 | -0.9999522 | -0.99950835 | -0.99913658 | -0.9990182 | -0.9997083 |
| ## 11  | -0.9996556 | -0.9999852 | -0.99964396 | -0.99929291 | -0.9991381 | -0.9997012 |
| ## 12  | -0.9998282 | -0.9999956 | -0.99992845 | -0.99984405 | -0.9996455 | -0.9998534 |
| ## 13  | -0.9997127 | -0.9999366 | -0.99996315 | -0.99981568 | -0.9996855 | -0.9997449 |
| ## 14  | -0.9997762 | -0.9999242 | -0.99995879 | -0.99987357 | -0.9998095 | -0.9997989 |
| ## 15  | -0.9998537 | -0.9999704 | -0.99976732 | -0.99974331 | -0.9996835 | -0.9998725 |
| ## 16  | -0.9999478 | -0.9999810 | -0.99995545 | -0.99994262 | -0.9998991 | -0.9999560 |
| ## 17  | -0.9997941 | -0.9999911 | -0.99992045 | -0.99992106 | -0.9998062 | -0.9998230 |
| ## 18  | -0.9998141 | -0.9999995 | -0.99992006 | -0.99988289 | -0.9997986 | -0.9998415 |
| ## 19  | -0.9997889 | -0.9999900 | -0.99994061 | -0.99986901 | -0.9999062 | -0.9998183 |
| ## 20  | -0.9997847 | -0.9999944 | -0.99992740 | -0.99989263 | -0.9999219 | -0.9998151 |
| ## 21  | -0.9998840 | -0.9999928 | -0.99992988 | -0.99993336 | -0.9998325 | -0.9999017 |
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| ## 25  | -0.9997590 | -0.9999029 | -0.99989675 | -0.99975157 | -0.9996040 | -0.9997812 |



|       |            |            |             |             |            |            |
|-------|------------|------------|-------------|-------------|------------|------------|
| ## 26 | -0.9998850 | -0.9999694 | -0.99994259 | -0.99970968 | -0.9995217 | -0.9998997 |
| ## 27 | -0.9997959 | -0.9999885 | -0.99995517 | -0.99977779 | -0.9996913 | -0.9998242 |
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| ## 29 | -0.9996946 | -0.9999851 | -0.99980302 | -0.99988396 | -0.9998170 | -0.9997353 |
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| ## 35 | -0.9998300 | -0.9999715 | -0.99996591 | -0.99984196 | -0.9996837 | -0.9998519 |
| ## 36 | -0.9997861 | -0.9999974 | -0.99997103 | -0.99986863 | -0.9997357 | -0.9998167 |
| ## 37 | -0.9999130 | -0.9999895 | -0.99996324 | -0.99983414 | -0.9997240 | -0.9999266 |
| ## 38 | -0.9998432 | -0.9999953 | -0.99991895 | -0.99984746 | -0.9997787 | -0.9998664 |
| ## 39 | -0.9991456 | -0.9999792 | -0.99939524 | -0.99951129 | -0.9991355 | -0.9992547 |
| ## 40 | -0.9998956 | -0.9999537 | -0.99993826 | -0.99985629 | -0.9996945 | -0.9999069 |
| ## 41 | -0.9999031 | -0.9999439 | -0.99996665 | -0.99986045 | -0.9997754 | -0.9999123 |
| ## 42 | -0.9998253 | -0.9999393 | -0.99996324 | -0.99980031 | -0.9997845 | -0.9998436 |
| ## 43 | -0.9999567 | -0.9999177 | -0.99994996 | -0.99978483 | -0.9997997 | -0.9999558 |
| ## 44 | -0.9999403 | -0.9999221 | -0.99995134 | -0.99980843 | -0.9997696 | -0.9999420 |
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| ## 51 | -0.9997968 | -0.9999961 | -0.99996232 | -0.99980199 | -0.9998092 | -0.9998259 |
| ## 52 | -0.9967375 | -0.9991341 | -0.99524677 | -0.99299080 | -0.9957707 | -0.9970439 |
| ## 53 | -0.9998256 | -0.9999919 | -0.99990738 | -0.99982634 | -0.9997394 | -0.9998506 |
| ## 54 | -0.9998806 | -0.9999942 | -0.99994608 | -0.99985051 | -0.9997773 | -0.9998990 |
| ## 55 | -0.9997863 | -0.9999970 | -0.99997360 | -0.99990106 | -0.9997549 | -0.9998169 |
| ## 56 | -0.9998501 | -0.9999894 | -0.99998313 | -0.99988850 | -0.9997858 | -0.9998717 |
| ## 57 | -0.9998696 | -0.9999655 | -0.99998105 | -0.99984740 | -0.9998281 | -0.9998857 |
| ## 58 | -0.9997570 | -0.9998922 | -0.99991227 | -0.99984769 | -0.9998412 | -0.9997781 |
| ## 59 | -0.9997666 | -0.9999908 | -0.99992637 | -0.99987035 | -0.9998393 | -0.9997989 |
| ## 60 | -0.9998958 | -0.9998394 | -0.99990247 | -0.99980817 | -0.9995435 | -0.9998927 |
| ## 61 | -0.9997844 | -0.9999994 | -0.99989503 | -0.99976210 | -0.9994821 | -0.9998155 |
| ## 62 | -0.9999186 | -0.9999933 | -0.99995987 | -0.99986898 | -0.9998086 | -0.9999320 |
| ## 63 | -0.9999714 | -0.9999748 | -0.99995544 | -0.99992701 | -0.9998529 | -0.9999758 |
| ## 64 | -0.9998424 | -0.9999353 | -0.99995417 | -0.99991667 | -0.9998636 | -0.9998582 |
| ## 65 | -0.9749197 | -0.9823248 | -0.99567830 | -0.98756211 | -0.9893862 | -0.9758578 |
| ## 66 | -0.9995671 | -0.9997473 | -0.99983888 | -0.99969756 | -0.9996861 | -0.9995938 |
| ## 67 | -0.9937845 | -0.9997231 | -0.90697245 | -0.97758597 | -0.9632197 | -0.9945376 |
| ## 68 | -0.9936725 | -0.9996255 | -0.90333538 | -0.97561311 | -0.9622743 | -0.9944275 |
| ## 69 | -0.9984631 | -0.9959723 | -0.99595676 | -0.99547692 | -0.9983262 | -0.9981528 |
| ## 70 | -0.9885873 | -0.9883853 | -0.98470165 | -0.97384654 | -0.9790617 | -0.9885658 |
| ## 71 | -0.4234391 | -0.9818058 | -0.71393170 | -0.88184748 | -0.5001256 | -0.4938818 |
| ## 72 | -0.4034185 | -0.9906631 | -0.72429585 | -0.89351590 | -0.5358646 | -0.4775042 |
| ## 73 | -0.9963698 | -0.9896560 | -0.99092614 | -0.99695248 | -0.9901759 | -0.9955268 |
| ## 74 | -0.9995621 | -0.9999814 | -0.99891952 | -0.99939563 | -0.9993143 | -0.9996190 |
| ## 75 | -0.9993457 | -0.9998004 | -0.99977543 | -0.99957730 | -0.9994526 | -0.9994071 |

|        |            |            |             |             |            |            |
|--------|------------|------------|-------------|-------------|------------|------------|
| ## 76  | -0.9996803 | -0.9998725 | -0.99994928 | -0.99979914 | -0.9997814 | -0.9997086 |
| ## 77  | -0.9998946 | -0.9999248 | -0.99993705 | -0.99988339 | -0.9998384 | -0.9999024 |
| ## 78  | -0.9998236 | -0.9999649 | -0.99991735 | -0.99980236 | -0.9997673 | -0.9998454 |
| ## 79  | -0.9423085 | -0.9781566 | -0.62525415 | -0.69918239 | -0.8650571 | -0.9468348 |
| ## 80  | -0.8493388 | -0.8335236 | -0.43457264 | -0.64568384 | -0.7885994 | -0.8473474 |
| ## 81  | -0.9113908 | -0.9997218 | -0.53597022 | -0.55343251 | -0.7469643 | -0.9225379 |
| ## 82  | -0.8474436 | -0.8172561 | -0.39105379 | -0.60837846 | -0.7245795 | -0.8436391 |
| ## 83  | -0.8685363 | -0.9162229 | -0.38963752 | -0.58430282 | -0.5969888 | -0.8745558 |
| ## 84  | -0.7336535 | -0.5394825 | -0.60382466 | -0.51391220 | -0.5947484 | -0.7091616 |
| ## 85  | -0.8621991 | -0.9205703 | -0.40948334 | -0.73675379 | -0.8364697 | -0.8695666 |
| ## 86  | -0.9492150 | -0.9162316 | -0.35445979 | -0.70730790 | -0.6937377 | -0.9450579 |
| ## 87  | -0.8636599 | -0.9903763 | -0.48564719 | -0.69542815 | -0.7739614 | -0.8796493 |
| ## 88  | -0.7725103 | -0.9848053 | -0.34829079 | -0.57061458 | -0.6940480 | -0.7992956 |
| ## 89  | -0.9247146 | -0.9621401 | -0.51093162 | -0.67045474 | -0.7353439 | -0.9294398 |
| ## 90  | -0.8749539 | -0.9982343 | -0.50164386 | -0.62444981 | -0.6865769 | -0.8905099 |
| ## 91  | -0.8163725 | -0.9695616 | -0.37407510 | -0.58652035 | -0.6274467 | -0.8357015 |
| ## 92  | -0.7600833 | -0.6594035 | -0.39829474 | -0.29765717 | -0.5720850 | -0.7473857 |
| ## 93  | -0.5702069 | -0.9971939 | -0.25305587 | -0.32095733 | -0.6279946 | -0.6240760 |
| ## 94  | -0.6469975 | -0.8556722 | -0.31642269 | -0.55257222 | -0.6839947 | -0.6733258 |
| ## 95  | -0.7683406 | -0.9742893 | -0.39335340 | -0.66378804 | -0.7461440 | -0.7943253 |
| ## 96  | -0.7253856 | -0.6964765 | -0.33602352 | -0.79941316 | -0.6501867 | -0.7217421 |
| ## 97  | -0.7481642 | -0.7657058 | -0.32847583 | -0.56925802 | -0.7140068 | -0.7503806 |
| ## 98  | -0.5814740 | -0.8594066 | -0.42151429 | -0.50917327 | -0.6497048 | -0.6165393 |
| ## 99  | -0.8294317 | -0.9559037 | -0.38931815 | -0.54975716 | -0.6236564 | -0.8453902 |
| ## 100 | -0.9149218 | -0.9927998 | -0.49293963 | -0.50478394 | -0.6966372 | -0.9247502 |
| ## 101 | -0.7674110 | -0.9209997 | -0.58123267 | -0.51132006 | -0.5938746 | -0.7867903 |
| ## 102 | -0.5425699 | -0.9549155 | -0.44909811 | -0.08809676 | -0.3079415 | -0.5945918 |
| ## 103 | -0.5297593 | -0.6202921 | -0.31629165 | -0.13008884 | -0.4547175 | -0.5411834 |
| ## 104 | -0.6835052 | -0.9911454 | -0.08604835 | -0.31746595 | -0.6101943 | -0.7223185 |
| ## 105 | -0.6643140 | -0.9389847 | -0.22569871 | -0.49473231 | -0.6895351 | -0.6989680 |
| ## 106 | -0.8815264 | -0.9252645 | -0.48995228 | -0.67659897 | -0.7679861 | -0.8870479 |
| ## 107 | -0.9533681 | -0.9001965 | -0.28028011 | -0.56779481 | -0.7271249 | -0.9466642 |
| ## 108 | -0.5942663 | -0.9809712 | -0.28106274 | -0.23034340 | -0.6315844 | -0.6430536 |
| ## 109 | -0.5368243 | -0.8379690 | -0.31706566 | -0.28144763 | -0.5013082 | -0.5748178 |
| ## 110 | -0.7904096 | -0.9075576 | -0.25705704 | -0.54625349 | -0.4805606 | -0.8051918 |
| ## 111 | -0.8288520 | -0.9401939 | -0.37760050 | -0.57403281 | -0.5689695 | -0.8429018 |
| ## 112 | -0.4876423 | -0.8734501 | -0.45153849 | 0.02371262  | -0.5358930 | -0.5363162 |
| ## 113 | -0.7190986 | -0.9547146 | -0.49551972 | -0.56112386 | -0.7380396 | -0.7488258 |
| ## 114 | -0.8993295 | -0.9505790 | -0.54048536 | -0.64261401 | -0.6534555 | -0.9057986 |
| ## 115 | -0.9047693 | -0.9990055 | -0.42100710 | -0.67321716 | -0.7540310 | -0.9166613 |
| ## 116 | -0.9019729 | -0.9932641 | -0.31187008 | -0.62443347 | -0.8633732 | -0.9134934 |
| ## 117 | -0.9641146 | -0.9948533 | -0.29691584 | -0.58121945 | -0.8271055 | -0.9679963 |
| ## 118 | -0.8790490 | -0.9235501 | -0.35083402 | -0.68040098 | -0.6489352 | -0.8846667 |
| ## 119 | -0.7218025 | -0.9492060 | -0.43554306 | -0.76683065 | -0.5904005 | -0.7504937 |
| ## 120 | -0.7834454 | -0.9244997 | -0.53742135 | -0.80104418 | -0.6914105 | -0.8012435 |
| ## 121 | -0.8720792 | -0.9866314 | -0.55982513 | -0.71279866 | -0.7666143 | -0.8865341 |
| ## 122 | -0.4717926 | -0.9445794 | -0.44555690 | -0.66402104 | -0.4457366 | -0.5314393 |
| ## 123 | -0.4445663 | -0.9935084 | -0.37775136 | -0.67307616 | -0.4631657 | -0.5138201 |
| ## 124 | -0.8811540 | -0.9811935 | -0.39510170 | -0.70102777 | -0.7836960 | -0.8937781 |
| ## 125 | -0.9197668 | -0.9452964 | -0.45287485 | -0.68812698 | -0.8020973 | -0.9229913 |

|        |            |            |             |             |            |            |
|--------|------------|------------|-------------|-------------|------------|------------|
| ## 126 | -0.9196983 | -0.9333649 | -0.76849531 | -0.65841341 | -0.7190716 | -0.9214262 |
| ## 127 | -0.8284704 | -0.9625984 | -0.75488612 | -0.61827052 | -0.7016260 | -0.8453947 |
| ## 128 | -0.7661713 | -0.9924281 | -0.59168932 | -0.60635011 | -0.7754383 | -0.7947179 |
| ## 129 | -0.9067468 | -0.9276248 | -0.47865355 | -0.54161838 | -0.6511417 | -0.9093844 |
| ## 130 | -0.9116012 | -0.9841209 | -0.53654054 | -0.59133057 | -0.5430448 | -0.9207537 |
| ## 131 | -0.9464340 | -0.9966135 | -0.46420662 | -0.53576560 | -0.5660834 | -0.9527682 |
| ## 132 | -0.7345294 | -0.9366845 | -0.63283085 | -0.48172227 | -0.7158173 | -0.7600354 |
| ## 133 | -0.7493387 | -0.8907683 | -0.73890150 | -0.57831060 | -0.8273448 | -0.7671841 |
| ## 134 | -0.8647687 | -0.9931493 | -0.71364028 | -0.61452075 | -0.8276290 | -0.8809681 |
| ## 135 | -0.8239345 | -0.7582267 | -0.50784553 | -0.65952833 | -0.3968660 | -0.8156489 |
| ## 136 | -0.8523508 | -0.9863682 | -0.65519702 | -0.45741266 | -0.6024894 | -0.8692613 |
| ## 137 | -0.6813460 | -0.8087218 | -0.31298724 | -0.42857333 | -0.6497137 | -0.6974183 |
| ## 138 | -0.7646131 | -0.9839357 | -0.37266145 | -0.43205135 | -0.7753368 | -0.7922850 |
| ## 139 | -0.9481719 | -0.9848984 | -0.70598820 | -0.68188912 | -0.7929630 | -0.9528090 |
| ## 140 | -0.8608258 | -0.9978349 | -0.66044833 | -0.55984231 | -0.8507301 | -0.8781137 |
| ## 141 | -0.6997593 | -0.8471897 | -0.74585632 | -0.54665152 | -0.7206042 | -0.7183616 |
| ## 142 | -0.8132938 | -0.9974253 | -0.83899634 | -0.66031685 | -0.6562157 | -0.8365263 |
| ## 143 | -0.8639256 | -0.9683940 | -0.67738862 | -0.57385541 | -0.7077001 | -0.8771083 |
| ## 144 | -0.8105242 | -0.9565165 | -0.74755146 | -0.56393817 | -0.6591006 | -0.8289452 |
| ## 145 | -0.8940822 | -0.9595268 | -0.48140707 | -0.47533647 | -0.6169307 | -0.9023420 |
| ## 146 | -0.8731380 | -0.9830770 | -0.46678913 | -0.34010205 | -0.5999688 | -0.8870109 |
| ## 147 | -0.7446132 | -0.9732375 | -0.65026178 | -0.73355251 | -0.7228704 | -0.7734585 |
| ## 148 | -0.8565527 | -0.9277220 | -0.74885370 | -0.81666519 | -0.8799244 | -0.8655347 |
| ## 149 | -0.9061924 | -0.9767531 | -0.80802454 | -0.72828043 | -0.7458034 | -0.9150977 |
| ## 150 | -0.8666292 | -0.9408066 | -0.79201928 | -0.55621581 | -0.6928218 | -0.8759906 |
| ## 151 | -0.9516351 | -0.9996086 | -0.83250207 | -0.92792643 | -0.8624908 | -0.9576910 |
| ## 152 | -0.9310684 | -0.9986497 | -0.85397686 | -0.94092702 | -0.8372989 | -0.9395979 |
| ## 153 | -0.9506737 | -0.9935336 | -0.79463237 | -0.90753195 | -0.8619815 | -0.9560846 |
| ## 154 | -0.9190149 | -0.8867532 | -0.70701312 | -0.87475763 | -0.7923911 | -0.9149488 |
| ## 155 | -0.9251125 | -0.9210958 | -0.70561255 | -0.84816711 | -0.8814269 | -0.9246096 |
| ## 156 | -0.9725901 | -0.9297644 | -0.78057363 | -0.88731838 | -0.9328975 | -0.9671914 |
| ## 157 | -0.9683522 | -0.9921164 | -0.77978641 | -0.90669768 | -0.9377201 | -0.9713541 |
| ## 158 | -0.9492156 | -0.9996078 | -0.80541001 | -0.84729548 | -0.8882957 | -0.9555766 |
| ## 159 | -0.9357025 | -0.9837632 | -0.82144145 | -0.90623363 | -0.9365541 | -0.9417694 |
| ## 160 | -0.9464233 | -0.9986423 | -0.84730157 | -0.90498238 | -0.9386598 | -0.9530148 |
| ## 161 | -0.7973491 | -0.9976285 | -0.77723623 | -0.84408121 | -0.9346404 | -0.8226186 |
| ## 162 | -0.8349043 | -0.9686129 | -0.77849213 | -0.89456844 | -0.9153471 | -0.8517758 |
| ## 163 | -0.9692957 | -0.9877084 | -0.87319635 | -0.88571230 | -0.9265244 | -0.9716225 |
| ## 164 | -0.9191966 | -0.9974882 | -0.81706621 | -0.83631710 | -0.8551486 | -0.9290772 |
| ## 165 | -0.9016826 | -0.9848322 | -0.86440693 | -0.83759751 | -0.8825345 | -0.9121761 |
| ## 166 | -0.9609756 | -0.9917468 | -0.89188905 | -0.92518630 | -0.9652021 | -0.9648614 |
| ## 167 | -0.9596529 | -0.9466384 | -0.88646559 | -0.92597154 | -0.9409911 | -0.9580150 |
| ## 168 | -0.9524900 | -0.9992190 | -0.82226077 | -0.88786668 | -0.8576420 | -0.9583890 |
| ## 169 | -0.9692193 | -0.9860564 | -0.73146252 | -0.77016178 | -0.8414066 | -0.9713473 |
| ## 170 | -0.9445427 | -0.9843741 | -0.68359337 | -0.77394675 | -0.8392533 | -0.9495714 |
| ## 171 | -0.9278431 | -0.9998449 | -0.72428579 | -0.87342128 | -0.9148178 | -0.9369302 |
| ## 172 | -0.9358859 | -0.9896478 | -0.72807155 | -0.83594412 | -0.9032027 | -0.9426720 |
| ## 173 | -0.9020074 | -0.9663371 | -0.74756596 | -0.80314987 | -0.9128062 | -0.9101266 |
| ## 174 | -0.8930909 | -0.9167718 | -0.71934333 | -0.83289449 | -0.9256406 | -0.8960821 |
| ## 175 | -0.9793479 | -0.9998055 | -0.76431603 | -0.90801692 | -0.9234445 | -0.9819326 |

|        |             |            |             |             |            |            |
|--------|-------------|------------|-------------|-------------|------------|------------|
| ## 176 | -0.9096933  | -0.9286954 | -0.79628224 | -0.79402320 | -0.8987441 | -0.9120943 |
| ## 177 | -0.9988948  | -0.9999885 | -0.99979203 | -0.99967211 | -0.9996558 | -0.9990368 |
| ##     | NA          | NA         | NA          | NA          | NA         | NA         |
| ## 1   | -0.99985216 | -0.9998221 | -0.9993999  | -0.9997656  | -0.9999585 | -0.9999495 |
| ## 2   | -0.99962988 | -0.9997593 | -0.9998589  | -0.9998465  | -0.9997949 | -0.9998009 |
| ## 3   | -0.99961317 | -0.9997732 | -0.9998709  | -0.9997839  | -0.9997397 | -0.9997866 |
| ## 4   | -0.99980556 | -0.9998560 | -0.9998848  | -0.9997237  | -0.9998414 | -0.9999425 |
| ## 5   | -0.99982993 | -0.9998744 | -0.9998451  | -0.9998530  | -0.9998899 | -0.9998177 |
| ## 6   | -0.99985656 | -0.9998302 | -0.9998633  | -0.9997931  | -0.9999047 | -0.9998218 |
| ## 7   | -0.99980032 | -0.9996782 | -0.9999156  | -0.9998359  | -0.9995279 | -0.9998681 |
| ## 8   | -0.99974875 | -0.9994894 | -0.9999102  | -0.9998953  | -0.9996097 | -0.9998446 |
| ## 9   | -0.99972502 | -0.9994425 | -0.9998191  | -0.9999091  | -0.9999575 | -0.9998801 |
| ## 10  | -0.99932067 | -0.9991960 | -0.9998327  | -0.9995707  | -0.9997519 | -0.9998838 |
| ## 11  | -0.99949112 | -0.9992919 | -0.9998425  | -0.9994388  | -0.9996698 | -0.9997604 |
| ## 12  | -0.99990806 | -0.9997581 | -0.9999715  | -0.9997011  | -0.9997464 | -0.9998171 |
| ## 13  | -0.99991289 | -0.9997808 | -0.9998866  | -0.9998641  | -0.9998133 | -0.9998326 |
| ## 14  | -0.99991156 | -0.9999016 | -0.9999027  | -0.9997984  | -0.9998101 | -0.9998494 |
| ## 15  | -0.99975545 | -0.9997168 | -0.9997898  | -0.9995279  | -0.9999240 | -0.9998162 |
| ## 16  | -0.99995439 | -0.9999283 | -0.9997770  | -0.9999595  | -0.9999090 | -0.9998564 |
| ## 17  | -0.99991884 | -0.9998860 | -0.9998475  | -0.9998272  | -0.9999519 | -0.9999314 |
| ## 18  | -0.99988565 | -0.9999048 | -0.9998911  | -0.9998157  | -0.9998808 | -0.9999252 |
| ## 19  | -0.99989647 | -0.9999370 | -0.9999055  | -0.9997979  | -0.9998729 | -0.9999207 |
| ## 20  | -0.99990024 | -0.9999450 | -0.9999520  | -0.9998162  | -0.9999112 | -0.9999575 |
| ## 21  | -0.99992270 | -0.9999191 | -0.9999255  | -0.9998320  | -0.9998801 | -0.9998739 |
| ## 22  | -0.99986212 | -0.9996622 | -0.9999652  | -0.9998221  | -0.9998759 | -0.9998175 |
| ## 23  | -0.99976294 | -0.9995969 | -0.9999124  | -0.9999046  | -0.9998573 | -0.9997869 |
| ## 24  | -0.99981210 | -0.9997200 | -0.9998350  | -0.9997125  | -0.9999447 | -0.9998274 |
| ## 25  | -0.99984189 | -0.9997141 | -0.9998706  | -0.9999480  | -0.9999098 | -0.9997993 |
| ## 26  | -0.99983502 | -0.9997152 | -0.9999334  | -0.9998509  | -0.9998999 | -0.9997839 |
| ## 27  | -0.99987298 | -0.9998078 | -0.9999433  | -0.9998359  | -0.9998498 | -0.9997667 |
| ## 28  | -0.99895000 | -0.9996865 | -0.9977676  | -0.9994648  | -0.9998988 | -0.9997686 |
| ## 29  | -0.99982565 | -0.9998580 | -0.9998132  | -0.9998292  | -0.9999122 | -0.9998651 |
| ## 30  | -0.99992428 | -0.9998882 | -0.9998767  | -0.9997932  | -0.9998593 | -0.9998132 |
| ## 31  | -0.98584801 | -0.9952690 | -0.9631200  | -0.9934522  | -0.9984235 | -0.9990934 |
| ## 32  | -0.98316105 | -0.9941141 | -0.9515325  | -0.9923164  | -0.9976733 | -0.9984094 |
| ## 33  | -0.99712469 | -0.9984548 | -0.9902846  | -0.9988316  | -0.9990851 | -0.9990241 |
| ## 34  | -0.99964972 | -0.9997019 | -0.9996278  | -0.9998306  | -0.9999280 | -0.9999352 |
| ## 35  | -0.99992544 | -0.9997918 | -0.9998314  | -0.9999100  | -0.9999484 | -0.9999680 |
| ## 36  | -0.99994345 | -0.9998159 | -0.9999543  | -0.9999276  | -0.9999175 | -0.9999155 |
| ## 37  | -0.99991219 | -0.9998219 | -0.9999661  | -0.9999599  | -0.9999064 | -0.9998584 |
| ## 38  | -0.99988949 | -0.9998398 | -0.9999439  | -0.9999039  | -0.9999082 | -0.9999173 |
| ## 39  | -0.99939151 | -0.9994023 | -0.9995668  | -0.9996414  | -0.9997467 | -0.9997347 |
| ## 40  | -0.99994045 | -0.9997376 | -0.9998628  | -0.9997118  | -0.9998285 | -0.9998743 |
| ## 41  | -0.99993552 | -0.9998308 | -0.9998554  | -0.9996137  | -0.9999003 | -0.9998473 |
| ## 42  | -0.99988258 | -0.9998656 | -0.9998757  | -0.9998120  | -0.9997895 | -0.9998059 |
| ## 43  | -0.99987277 | -0.9998512 | -0.9999020  | -0.9998878  | -0.9997729 | -0.9998461 |
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| ## 47  | -0.99988396 | -0.9998468 | -0.9998689  | -0.9999138  | -0.9998771 | -0.9999268 |

|       |             |            |            |            |            |            |
|-------|-------------|------------|------------|------------|------------|------------|
| ## 48 | -0.99985653 | -0.9998399 | -0.9998220 | -0.9998070 | -0.9998969 | -0.9999141 |
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| ## 51 | -0.99989833 | -0.9998411 | -0.9999794 | -0.9998890 | -0.9999240 | -0.9998072 |
| ## 52 | -0.99484445 | -0.9927992 | -0.9984884 | -0.9992138 | -0.9998215 | -0.9994738 |
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| ## 56 | -0.99996421 | -0.9998353 | -0.9998533 | -0.9999332 | -0.9998729 | -0.9999424 |
| ## 57 | -0.99993021 | -0.9998686 | -0.9997951 | -0.9998568 | -0.9998176 | -0.9997909 |
| ## 58 | -0.99987958 | -0.9998753 | -0.9998274 | -0.9998242 | -0.9999328 | -0.9997903 |
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| ## 60 | -0.99988215 | -0.9996865 | -0.9998856 | -0.9996997 | -0.9999827 | -0.9997570 |
| ## 61 | -0.99984614 | -0.9996689 | -0.9998899 | -0.9997753 | -0.9999270 | -0.9998372 |
| ## 62 | -0.99992259 | -0.9998726 | -0.9997973 | -0.9999374 | -0.9998257 | -0.9998738 |
| ## 63 | -0.99993702 | -0.9999280 | -0.9998743 | -0.9998683 | -0.9998787 | -0.9997887 |
| ## 64 | -0.99992745 | -0.9999375 | -0.9999160 | -0.9998774 | -0.9998356 | -0.9997940 |
| ## 65 | -0.99459100 | -0.9843613 | -0.9927659 | -0.9965199 | -0.9986074 | -0.9964010 |
| ## 66 | -0.99980675 | -0.9996586 | -0.9995209 | -0.9995290 | -0.9995926 | -0.9995222 |
| ## 67 | -0.92250274 | -0.9776727 | -0.9244363 | -0.9891870 | -0.9934661 | -0.9945520 |
| ## 68 | -0.91923840 | -0.9760471 | -0.9138272 | -0.9892827 | -0.9924962 | -0.9946366 |
| ## 69 | -0.99520270 | -0.9974430 | -0.9902140 | -0.9992681 | -0.9991657 | -0.9994393 |
| ## 70 | -0.97891276 | -0.9790914 | -0.9760664 | -0.9888368 | -0.9946327 | -0.9938967 |
| ## 71 | -0.76919083 | -0.6999602 | -0.6387027 | -0.8553354 | -0.9908352 | -0.9825670 |
| ## 72 | -0.78387438 | -0.7135269 | -0.7214795 | -0.8339511 | -0.9896220 | -0.9884908 |
| ## 73 | -0.99208552 | -0.9950656 | -0.9975999 | -0.9916135 | -0.9960649 | -0.9982036 |
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| ## 77 | -0.99991063 | -0.9998930 | -0.9999909 | -0.9997805 | -0.9998098 | -0.9998698 |
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| ## 79 | -0.57350196 | -0.8870414 | -0.8213194 | -0.9268195 | -0.9218756 | -0.9543635 |
| ## 80 | -0.46628283 | -0.7169212 | -0.8146295 | -0.9108706 | -0.8633176 | -0.9390303 |
| ## 81 | -0.48408763 | -0.7014619 | -0.8760733 | -0.9262144 | -0.8787063 | -0.9401698 |
| ## 82 | -0.35954661 | -0.8081416 | -0.8289594 | -0.8445814 | -0.8786560 | -0.9197796 |
| ## 83 | -0.37192990 | -0.6972707 | -0.7746406 | -0.7679222 | -0.8619700 | -0.9200155 |
| ## 84 | -0.48871461 | -0.6887495 | -0.8149266 | -0.7728063 | -0.8785877 | -0.8968605 |
| ## 85 | -0.43632571 | -0.8824159 | -0.8455825 | -0.8129849 | -0.8776005 | -0.8990667 |
| ## 86 | -0.38672207 | -0.8092647 | -0.8489436 | -0.8481593 | -0.8620506 | -0.8942386 |
| ## 87 | -0.51818976 | -0.7449266 | -0.8539577 | -0.8700839 | -0.9249945 | -0.9523049 |
| ## 88 | -0.36658336 | -0.6619882 | -0.8368176 | -0.8590110 | -0.8601913 | -0.8999295 |
| ## 89 | -0.49692969 | -0.7842272 | -0.8697589 | -0.8677689 | -0.8784029 | -0.8972539 |
| ## 90 | -0.44911134 | -0.7947348 | -0.8675926 | -0.8978576 | -0.8862641 | -0.9136042 |
| ## 91 | -0.35543722 | -0.7233870 | -0.8189313 | -0.8895662 | -0.8103878 | -0.9232967 |
| ## 92 | -0.23168291 | -0.6293594 | -0.8384289 | -0.8611580 | -0.7645461 | -0.8994122 |
| ## 93 | -0.15482835 | -0.6184666 | -0.8489393 | -0.8687739 | -0.7975641 | -0.8837227 |
| ## 94 | -0.29526266 | -0.7402621 | -0.8713769 | -0.8641164 | -0.8178613 | -0.9434042 |
| ## 95 | -0.38629997 | -0.8348948 | -0.8522227 | -0.8015381 | -0.8219504 | -0.9427329 |
| ## 96 | -0.42200705 | -0.8076421 | -0.8614910 | -0.7663532 | -0.8725391 | -0.9274678 |
| ## 97 | -0.33445160 | -0.7069631 | -0.8728441 | -0.8015484 | -0.8751990 | -0.9391008 |

|        |             |            |            |            |            |            |
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| ## 98  | -0.37172618 | -0.6692170 | -0.8480195 | -0.8408708 | -0.8958169 | -0.8903570 |
| ## 99  | -0.33126781 | -0.7507503 | -0.8373192 | -0.8485877 | -0.8728701 | -0.9192589 |
| ## 100 | -0.39791846 | -0.7382991 | -0.7946929 | -0.9166043 | -0.8794757 | -0.9403230 |
| ## 101 | -0.46085663 | -0.7101592 | -0.8659372 | -0.9200792 | -0.8848263 | -0.9454635 |
| ## 102 | -0.12722771 | -0.5603594 | -0.8113636 | -0.8604886 | -0.8330031 | -0.9045797 |
| ## 103 | -0.10600230 | -0.5066803 | -0.8290270 | -0.8426593 | -0.8322066 | -0.9086294 |
| ## 104 | -0.06265552 | -0.5423308 | -0.8075064 | -0.8385905 | -0.8169908 | -0.9266615 |
| ## 105 | -0.22370698 | -0.6777032 | -0.8312090 | -0.8568628 | -0.8572688 | -0.9436033 |
| ## 106 | -0.49733023 | -0.7704690 | -0.8567446 | -0.8692530 | -0.9381533 | -0.9479047 |
| ## 107 | -0.27618104 | -0.7612752 | -0.8289746 | -0.8221913 | -0.9156175 | -0.8945811 |
| ## 108 | -0.07915208 | -0.7110750 | -0.8176261 | -0.8112044 | -0.8723810 | -0.9049290 |
| ## 109 | -0.15807255 | -0.6125053 | -0.8337433 | -0.8568460 | -0.8524275 | -0.9321750 |
| ## 110 | -0.26752464 | -0.6192725 | -0.8484493 | -0.8552471 | -0.8866809 | -0.9326119 |
| ## 111 | -0.34854863 | -0.7050424 | -0.8691596 | -0.8847795 | -0.9063790 | -0.9518196 |
| ## 112 | -0.11425791 | -0.5320691 | -0.8154618 | -0.8184955 | -0.7863273 | -0.8177537 |
| ## 113 | -0.42727076 | -0.7686663 | -0.8646632 | -0.9125377 | -0.8935734 | -0.9360735 |
| ## 114 | -0.49947562 | -0.7573582 | -0.8589007 | -0.9005555 | -0.8944127 | -0.9269804 |
| ## 115 | -0.42209359 | -0.8159098 | -0.8185631 | -0.8493462 | -0.9311313 | -0.9130512 |
| ## 116 | -0.32883348 | -0.8238001 | -0.8350563 | -0.8551212 | -0.9032540 | -0.9234537 |
| ## 117 | -0.29515538 | -0.8025740 | -0.8658960 | -0.8829168 | -0.8735588 | -0.9139519 |
| ## 118 | -0.38727806 | -0.7491208 | -0.8597443 | -0.8631709 | -0.9133867 | -0.9320131 |
| ## 119 | -0.48051228 | -0.7718155 | -0.8857133 | -0.8581547 | -0.9361821 | -0.9204763 |
| ## 120 | -0.56947381 | -0.8235679 | -0.8904891 | -0.8716581 | -0.9340538 | -0.9371322 |
| ## 121 | -0.55329275 | -0.8067794 | -0.8682422 | -0.8450452 | -0.9359388 | -0.9495342 |
| ## 122 | -0.44070805 | -0.6829975 | -0.8542357 | -0.8506547 | -0.9428381 | -0.9273871 |
| ## 123 | -0.37893671 | -0.7292369 | -0.8697251 | -0.8493486 | -0.9153702 | -0.9301225 |
| ## 124 | -0.42212764 | -0.8227428 | -0.8418771 | -0.8174307 | -0.8814922 | -0.9564915 |
| ## 125 | -0.45129453 | -0.8410261 | -0.8520025 | -0.8326858 | -0.9269505 | -0.9495443 |
| ## 126 | -0.71970337 | -0.6837825 | -0.9429385 | -0.9516590 | -0.8701427 | -0.9259693 |
| ## 127 | -0.68726544 | -0.6733314 | -0.9469367 | -0.9211645 | -0.8731288 | -0.8459917 |
| ## 128 | -0.54384316 | -0.7404734 | -0.9512947 | -0.8639841 | -0.8300836 | -0.7890544 |
| ## 129 | -0.42711557 | -0.6824537 | -0.9308943 | -0.8478762 | -0.8258126 | -0.7622056 |
| ## 130 | -0.47178479 | -0.7012297 | -0.9274239 | -0.7774688 | -0.7274352 | -0.7745518 |
| ## 131 | -0.39582948 | -0.6876535 | -0.9275260 | -0.8002073 | -0.5284437 | -0.7808228 |
| ## 132 | -0.48239739 | -0.7531022 | -0.9348899 | -0.8776885 | -0.4281365 | -0.8328666 |
| ## 133 | -0.59056372 | -0.8562958 | -0.9547253 | -0.7743944 | -0.6648496 | -0.8624595 |
| ## 134 | -0.60912688 | -0.8231371 | -0.9652877 | -0.8188682 | -0.7394814 | -0.7860219 |
| ## 135 | -0.52113969 | -0.5806925 | -0.7799540 | -0.4095141 | -0.6130268 | -0.6302373 |
| ## 136 | -0.53301734 | -0.6012503 | -0.9033843 | -0.6209973 | -0.4948478 | -0.7207114 |
| ## 137 | -0.24590656 | -0.6653448 | -0.8560499 | -0.7460772 | -0.5642054 | -0.8492159 |
| ## 138 | -0.27712962 | -0.7453280 | -0.9276372 | -0.7084742 | -0.7960575 | -0.7356239 |
| ## 139 | -0.69105310 | -0.7064648 | -0.9197176 | -0.6702871 | -0.8955756 | -0.6713891 |
| ## 140 | -0.60443250 | -0.6843182 | -0.9303234 | -0.7453051 | -0.7279701 | -0.9373959 |
| ## 141 | -0.65845698 | -0.6343928 | -0.8572275 | -0.7406384 | -0.6351593 | -0.8358914 |
| ## 142 | -0.76960211 | -0.6650982 | -0.8638302 | -0.7142575 | -0.6456251 | -0.7187219 |
| ## 143 | -0.56007470 | -0.7727517 | -0.8853990 | -0.8977962 | -0.8050751 | -0.9264641 |
| ## 144 | -0.59563156 | -0.7749249 | -0.8836839 | -0.9033245 | -0.8059710 | -0.9282128 |
| ## 145 | -0.36461956 | -0.7232783 | -0.9052756 | -0.7163096 | -0.6811731 | -0.9016716 |
| ## 146 | -0.31209092 | -0.6291531 | -0.8786514 | -0.6749329 | -0.7074976 | -0.9021828 |
| ## 147 | -0.65301764 | -0.7426549 | -0.9157795 | -0.8272673 | -0.8250222 | -0.9280480 |

|        |             |            |            |             |            |            |
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| ## 148 | -0.73940238 | -0.8815269 | -0.9181084 | -0.9128253  | -0.7714010 | -0.8839827 |
| ## 149 | -0.73385827 | -0.8192714 | -0.9271574 | -0.8368735  | -0.7786785 | -0.8049667 |
| ## 150 | -0.62574085 | -0.7825928 | -0.9088739 | -0.8413363  | -0.7384105 | -0.8683720 |
| ## 151 | -0.84935891 | -0.9145539 | -0.8170543 | -0.9252830  | -0.9084020 | -0.9860651 |
| ## 152 | -0.86683074 | -0.9180469 | -0.8336712 | -0.8964782  | -0.9659007 | -0.9855802 |
| ## 153 | -0.81004331 | -0.9131740 | -0.8592017 | -0.9370728  | -0.9843940 | -0.9880419 |
| ## 154 | -0.73777556 | -0.8615224 | -0.8008302 | -0.9565729  | -0.9705325 | -0.9828104 |
| ## 155 | -0.72066099 | -0.8959997 | -0.7832075 | -0.9432177  | -0.9270723 | -0.9748976 |
| ## 156 | -0.79357556 | -0.9274129 | -0.8131225 | -0.9490715  | -0.9564675 | -0.9747290 |
| ## 157 | -0.80367174 | -0.9315368 | -0.7878644 | -0.9307742  | -0.9503720 | -0.9860591 |
| ## 158 | -0.79627377 | -0.8908218 | -0.7423282 | -0.9265799  | -0.9475562 | -0.9835268 |
| ## 159 | -0.83785455 | -0.9219024 | -0.7917956 | -0.9554336  | -0.9549207 | -0.9818006 |
| ## 160 | -0.85750713 | -0.9191909 | -0.8045706 | -0.9381999  | -0.9556117 | -0.9827732 |
| ## 161 | -0.78022103 | -0.8946425 | -0.8133576 | -0.9372320  | -0.9485429 | -0.9744119 |
| ## 162 | -0.80390687 | -0.9041644 | -0.7955486 | -0.9736311  | -0.9446402 | -0.9800840 |
| ## 163 | -0.85821500 | -0.9288370 | -0.8676518 | -0.9701949  | -0.9802601 | -0.9883817 |
| ## 164 | -0.78812617 | -0.9000816 | -0.8689334 | -0.9629692  | -0.9749129 | -0.9908706 |
| ## 165 | -0.82303786 | -0.9113026 | -0.8233814 | -0.9687553  | -0.9844465 | -0.9822129 |
| ## 166 | -0.89169553 | -0.9524485 | -0.8300074 | -0.9822713  | -0.9795578 | -0.9865875 |
| ## 167 | -0.88478465 | -0.9506891 | -0.8123110 | -0.9742374  | -0.9724726 | -0.9905831 |
| ## 168 | -0.82547979 | -0.8956034 | -0.7410043 | -0.9567585  | -0.9787843 | -0.9930427 |
| ## 169 | -0.72592737 | -0.8065920 | -0.8051944 | -0.9576943  | -0.9665240 | -0.9915777 |
| ## 170 | -0.68737653 | -0.8190298 | -0.8179277 | -0.9710035  | -0.9594172 | -0.9872946 |
| ## 171 | -0.74292750 | -0.9233455 | -0.8014358 | -0.9504463  | -0.9713581 | -0.9849053 |
| ## 172 | -0.72997178 | -0.9036308 | -0.8529589 | -0.9421187  | -0.9719142 | -0.9865083 |
| ## 173 | -0.72328941 | -0.9097013 | -0.8222517 | -0.9613044  | -0.9820636 | -0.9819378 |
| ## 174 | -0.71639337 | -0.9241774 | -0.7330315 | -0.9629952  | -0.9842988 | -0.9746598 |
| ## 175 | -0.78562227 | -0.9427713 | -0.7788337 | -0.9718922  | -0.9824583 | -0.9842811 |
| ## 176 | -0.75598723 | -0.8981620 | -0.8436465 | -0.9820914  | -0.9703115 | -0.9832345 |
| ## 177 | -0.99974206 | -0.9996805 | -0.9991329 | -0.9995295  | -0.9997160 | -0.9998678 |
| ##     | NA          | NA         | NA         | NA          | NA         | NA         |
| ## 1   | -0.9998385  | -0.9998135 | -0.9987805 | -0.99857783 | -0.9996197 | -0.9999836 |
| ## 2   | -0.9998193  | -0.9997692 | -0.9996370 | -0.99995450 | -0.9998519 | -0.9998273 |
| ## 3   | -0.9997722  | -0.9996260 | -0.9994874 | -0.99999573 | -0.9998025 | -0.9997921 |
| ## 4   | -0.9998694  | -0.9997353 | -0.9992040 | -0.99966198 | -0.9997560 | -0.9999203 |
| ## 5   | -0.9997595  | -0.9996878 | -0.9991695 | -0.99998229 | -0.9998525 | -0.9998841 |
| ## 6   | -0.9997550  | -0.9996238 | -0.9993829 | -0.99991021 | -0.9998077 | -0.9998937 |
| ## 7   | -0.9997666  | -0.9996341 | -0.9994816 | -0.99957202 | -0.9998630 | -0.9997238 |
| ## 8   | -0.9999055  | -0.9995402 | -0.9995968 | -0.99998343 | -0.9999119 | -0.9997540 |
| ## 9   | -0.9999201  | -0.9996917 | -0.9997406 | -0.99979609 | -0.9998913 | -0.9999492 |
| ## 10  | -0.9996226  | -0.9995985 | -0.9997386 | -0.99998066 | -0.9996066 | -0.9998459 |
| ## 11  | -0.9996715  | -0.9993691 | -0.9994645 | -0.99994709 | -0.9994972 | -0.9997436 |
| ## 12  | -0.9997668  | -0.9995497 | -0.9993470 | -0.99992867 | -0.9997675 | -0.9998105 |
| ## 13  | -0.9997863  | -0.9998065 | -0.9998291 | -0.99998367 | -0.9998768 | -0.9998522 |
| ## 14  | -0.9998512  | -0.9997877 | -0.9999492 | -0.99997603 | -0.9998263 | -0.9998588 |
| ## 15  | -0.9998134  | -0.9997249 | -0.9996949 | -0.99991005 | -0.9995547 | -0.9999008 |
| ## 16  | -0.9999147  | -0.9996229 | -0.9993929 | -0.99969329 | -0.9999195 | -0.9999128 |
| ## 17  | -0.9998750  | -0.9996387 | -0.9996075 | -0.99972769 | -0.9998313 | -0.9999714 |
| ## 18  | -0.9998674  | -0.9998614 | -0.9998012 | -0.99968510 | -0.9998370 | -0.9999320 |
| ## 19  | -0.9999501  | -0.9995868 | -0.9998013 | -0.99999181 | -0.9998269 | -0.9999258 |

|       |            |            |            |             |            |            |
|-------|------------|------------|------------|-------------|------------|------------|
| ## 20 | -0.9999240 | -0.9996044 | -0.9997602 | -0.99974909 | -0.9998590 | -0.9999633 |
| ## 21 | -0.9998084 | -0.9996795 | -0.9996605 | -0.99999694 | -0.9998631 | -0.9999065 |
| ## 22 | -0.9997227 | -0.9997816 | -0.9993243 | -0.99967511 | -0.9998687 | -0.9998768 |
| ## 23 | -0.9998278 | -0.9995946 | -0.9995176 | -0.99999825 | -0.9999206 | -0.9998524 |
| ## 24 | -0.9998149 | -0.9997014 | -0.9994108 | -0.99969127 | -0.9997288 | -0.9999168 |
| ## 25 | -0.9996042 | -0.9997226 | -0.9994957 | -0.99990119 | -0.9999429 | -0.9998853 |
| ## 26 | -0.9995883 | -0.9996556 | -0.9996847 | -0.99987285 | -0.9998821 | -0.9998727 |
| ## 27 | -0.9997444 | -0.9994983 | -0.9995779 | -0.99993095 | -0.9998728 | -0.9998387 |
| ## 28 | -0.9998878 | -0.9993281 | -0.9993211 | -0.99947829 | -0.9987828 | -0.9998646 |
| ## 29 | -0.9998649 | -0.9995515 | -0.9995399 | -0.99981936 | -0.9998209 | -0.9999187 |
| ## 30 | -0.9998430 | -0.9994375 | -0.9996915 | -0.99997726 | -0.9998126 | -0.9998663 |
| ## 31 | -0.9980512 | -0.9970583 | -0.9990282 | -0.99995653 | -0.9813359 | -0.9987805 |
| ## 32 | -0.9976005 | -0.9963604 | -0.9983044 | -0.99997401 | -0.9762498 | -0.9980627 |
| ## 33 | -0.9993551 | -0.9992113 | -0.9987152 | -0.99975505 | -0.9955840 | -0.9990847 |
| ## 34 | -0.9998837 | -0.9998320 | -0.9997760 | -0.99997342 | -0.9997562 | -0.9999610 |
| ## 35 | -0.9999421 | -0.9997558 | -1.0000000 | -0.99999422 | -0.9998964 | -0.9999875 |
| ## 36 | -0.9998690 | -0.9997941 | -0.9998966 | -0.99989013 | -0.9999552 | -0.9999460 |
| ## 37 | -0.9998725 | -0.9998498 | -0.9998457 | -0.99997975 | -0.9999869 | -0.9999124 |
| ## 38 | -0.9998731 | -0.9998975 | -0.9997793 | -0.99996861 | -0.9999312 | -0.9999421 |
| ## 39 | -0.9997497 | -0.9992178 | -0.9994054 | -0.99945997 | -0.9995727 | -0.9997703 |
| ## 40 | -0.9999035 | -0.9994209 | -0.9998077 | -0.99998269 | -0.9997380 | -0.9998804 |
| ## 41 | -0.9999256 | -0.9991631 | -0.9996760 | -0.99998299 | -0.9996514 | -0.9999039 |
| ## 42 | -0.9999164 | -0.9995775 | -0.9994187 | -0.99999337 | -0.9998283 | -0.9998270 |
| ## 43 | -0.9998352 | -0.9996526 | -0.9995250 | -0.99999976 | -0.9999025 | -0.9998382 |
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| ## 45 | -0.9998959 | -0.9998531 | -0.9993892 | -0.99987746 | -0.9998961 | -0.9999165 |
| ## 46 | -0.9999761 | -0.9997536 | -0.9998531 | -0.99999252 | -0.9999343 | -0.9999342 |
| ## 47 | -0.9999326 | -0.9997040 | -0.9997302 | -0.99997811 | -0.9999131 | -0.9999309 |
| ## 48 | -0.9998210 | -0.9998085 | -0.9995041 | -0.99988715 | -0.9998050 | -0.9999348 |
| ## 49 | -0.9998159 | -0.9997163 | -0.9998634 | -0.99997777 | -0.9996515 | -0.9999489 |
| ## 50 | -0.9999586 | -0.9997859 | -0.9997664 | -0.99935946 | -0.9998006 | -0.9999402 |
| ## 51 | -0.9999008 | -0.9996517 | -0.9990295 | -0.99984896 | -0.9999310 | -0.9998964 |
| ## 52 | -0.9994880 | -0.9994663 | -0.9983263 | -0.99983763 | -0.9988239 | -0.9996810 |
| ## 53 | -0.9997167 | -0.9998433 | -0.9994594 | -0.99998560 | -0.9997671 | -0.9998710 |
| ## 54 | -0.9998118 | -0.9997463 | -0.9994736 | -0.99998093 | -0.9997597 | -0.9999323 |
| ## 55 | -0.9998570 | -0.9996465 | -0.9992785 | -0.99985841 | -0.9999332 | -0.9999540 |
| ## 56 | -0.9997593 | -0.9997041 | -0.9995817 | -0.99975023 | -0.9999241 | -0.9999364 |
| ## 57 | -0.9997870 | -0.9998625 | -0.9992688 | -0.99987645 | -0.9998380 | -0.9998340 |
| ## 58 | -0.9998328 | -0.9995987 | -0.9991623 | -0.99949671 | -0.9998217 | -0.9998926 |
| ## 59 | -0.9999109 | -0.9993784 | -0.9995597 | -0.99991537 | -0.9997584 | -0.9999303 |
| ## 60 | -0.9999034 | -0.9996994 | -0.9992566 | -0.99999616 | -0.9997357 | -0.9999019 |
| ## 61 | -0.9997510 | -0.9996104 | -0.9994555 | -0.99939311 | -0.9998020 | -0.9999126 |
| ## 62 | -0.9997456 | -0.9996372 | -0.9994445 | -0.99979667 | -0.9999078 | -0.9998787 |
| ## 63 | -0.9998361 | -0.9996304 | -0.9995545 | -0.99983178 | -0.9998761 | -0.9998642 |
| ## 64 | -0.9998356 | -0.9998165 | -0.9994542 | -0.99986675 | -0.9998986 | -0.9998448 |
| ## 65 | -0.9988759 | -0.9908162 | -0.9941433 | -0.99879666 | -0.9944870 | -0.9975581 |
| ## 66 | -0.9995834 | -0.9992148 | -0.9993412 | -0.99987066 | -0.9994602 | -0.9995877 |
| ## 67 | -0.9802514 | -0.9903141 | -0.9978606 | -0.99753372 | -0.9639511 | -0.9940265 |
| ## 68 | -0.9791301 | -0.9893513 | -0.9972815 | -0.99855115 | -0.9602662 | -0.9935721 |
| ## 69 | -0.9985972 | -0.9975395 | -0.9982975 | -0.99200001 | -0.9959324 | -0.9993290 |



|        |            |            |            |             |            |            |
|--------|------------|------------|------------|-------------|------------|------------|
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| ## 82  | -0.9512242 | -0.9016605 | -0.9555916 | -0.98981153 | -0.8063188 | -0.8987905 |
| ## 83  | -0.9340713 | -0.9005234 | -0.9204542 | -0.97362704 | -0.7214386 | -0.8903780 |
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| ## 95  | -0.9763794 | -0.8673689 | -0.8338826 | -0.97365952 | -0.7777488 | -0.8810322 |
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| ## 170 | -0.9797828 | -0.9508411 | -0.9796744 | -0.99823925 | -0.9105750   | -0.9730764   |
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| ## 18  | -0.9998647 | -0.9997760 | -0.9998873 | -0.9999276  | -0.989078110 | -0.991402190 |
| ## 19  | -0.9998449 | -0.9998112 | -0.9998774 | -0.9999170  | -0.990514340 | -0.997901330 |
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| ## 39  | -0.9995801 | -0.9993747 | -0.9996782 | -0.9997001  | -0.958255740 | -0.978820100 |
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| ## 41  | -0.9996981 | -0.9996913 | -0.9998183 | -0.9998148  | -0.960686470 | -0.991242220 |

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| ## 42 | -0.9998164 | -0.9994483 | -0.9998209 | -0.9998361 | -0.981520400 | -0.993480020 |
| ## 43 | -0.9997770 | -0.9995499 | -0.9998424 | -0.9998451 | -0.993160690 | -0.994831970 |
| ## 44 | -0.9997340 | -0.9993413 | -0.9998491 | -0.9998548 | -0.998729620 | -0.995535020 |
| ## 45 | -0.9998840 | -0.9994070 | -0.9998941 | -0.9999338 | -0.997107620 | -0.994997940 |
| ## 46 | -0.9999153 | -0.9998604 | -0.9999173 | -0.9999623 | -0.997839900 | -0.993761980 |
| ## 47 | -0.9998670 | -0.9997421 | -0.9999185 | -0.9999294 | -0.997844330 | -0.994918830 |
| ## 48 | -0.9998132 | -0.9995172 | -0.9998842 | -0.9999006 | -0.997519110 | -0.995490160 |
| ## 49 | -0.9997815 | -0.9998685 | -0.9998465 | -0.9998774 | -0.997608020 | -0.995797280 |
| ## 50 | -0.9999116 | -0.9997056 | -0.9999343 | -0.9998976 | -0.997487730 | -0.994866210 |
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## 53 -0.911022390 -0.97684241 -0.990659140 -0.9037616 -0.9916698 -  
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## 54 -0.957643930 -0.98814381 -0.994150650 -0.9499786 -0.9902783 -  
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## 66 -0.881154650 -0.93156061 -0.983123490 -0.8810663 -0.9629219 -  
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## 70 -0.640700030 -0.72768146 -0.839844220 -0.7746922 0.3142842 -  
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## 72 -0.711198100 -0.37551528 -0.864020620 -0.8676925 -0.5512649 -  
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## 76 -0.983590840 -0.94879508 -0.992595660 -0.9814718 -0.9703179 -  
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## 77 -0.991587570 -0.98390964 -0.996382360 -0.9929745 -0.9899795 -  
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## 78 -0.994729010 -0.99179933 -0.997148840 -0.9962569 -0.9978146 -  
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## 79 -0.413242750 -0.38959038 -0.146975870 -0.7309785 -0.9475466 -  
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## 80 -0.371005450 -0.54904955 -0.202038560 -0.5937640 -0.5317802 -  
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## 81 -0.385327130 -0.52785959 -0.148863860 -0.5566675 -0.9979864 -  
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## 83 -0.341738480 -0.44523711 -0.050917175 -0.5120211 -0.9768832 -  
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## 85 -0.296534480 -0.59407274 -0.246336240 -0.5070970 -0.8770048 -  
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## 87 -0.384151070 -0.54302656 -0.159457560 -0.7043149 -0.9334437 -  
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## 89 -0.362947520 -0.59253575 -0.160286450 -0.5294396 -0.9576179 -  
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## 100 -0.283054190 -0.44030688 -0.163413250 -0.5777148 -0.9792391 -  
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## 101 -0.403857560 -0.45871391 -0.271558220 -0.4931585 -0.9233971 -  
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## 102 -0.261853860 -0.46914403 -0.195054310 -0.5558449 -0.7517953 -  
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## 103 -0.369441370 -0.47333887 -0.126065840 -0.4855510 -0.4761027 -  
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## 104 -0.333541590 -0.64874150 0.011899957 -0.5193692 -0.7128268 -  
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## 137 0.065638376 -0.26565297 -0.318717150 -0.3962991 -0.8952992 -  
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## 138 0.295840080 0.19547923 -0.310112940 -0.2875468 -0.7418387 -  
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## 139 0.164400640 -0.31241761 -0.209596010 -0.3581690 -0.4171579 -  
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## 140 -0.003951824 -0.07727254 -0.309325780 -0.5413088 -0.9451449 -  
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## 141 -0.131535280 -0.34627112 -0.394366880 -0.3476433 0.2108835 -  
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## 142 -0.101914850 -0.79509762 -0.460870130 -0.1932668 -0.9695287 -  
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## 146 0.004120575 0.03513249 -0.343065090 -0.4352607 -0.6287657 -  
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## 147 -0.050737109 -0.10763387 -0.372579530 -0.4572768 -0.8129085 -  
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## 148 -0.160448620 -0.15883971 -0.396637500 -0.4261841 -0.8011944 -  
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## 149 -0.191468710 -0.72915171 -0.413659840 -0.5336271 -0.6996841 -  
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## 151 -0.500296300 -0.77872777 0.236628930 -0.7535226 -0.9815318 -  
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## 152 -0.599360680 -0.80883524 0.210634600 -0.7076021 -0.8952615 -  
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## 153 -0.328997160 -0.33731347 0.180680260 -0.5876831 -0.7111249 -  
0.81464816

|        |              |              |              |            |            |             |
|--------|--------------|--------------|--------------|------------|------------|-------------|
| ## 154 | -0.316240390 | 0.06235339   | 0.180004550  | -0.6029530 | -0.9330951 | -           |
|        | 0.63911403   |              |              |            |            |             |
| ## 155 | -0.372321780 | -0.46644099  | 0.268688850  | -0.6892175 | -0.9014112 | -           |
|        | 0.59621374   |              |              |            |            |             |
| ## 156 | -0.396985100 | -0.67038048  | 0.096918819  | -0.7057474 | -0.9676077 | -           |
|        | 0.09257257   |              |              |            |            |             |
| ## 157 | -0.481840590 | -0.52666310  | 0.172380300  | -0.7004864 | -0.8739018 | -           |
|        | 0.76887463   |              |              |            |            |             |
| ## 158 | -0.546654450 | -0.81758052  | 0.253828050  | -0.7467580 | -0.9217778 | -           |
|        | 0.87717879   |              |              |            |            |             |
| ## 159 | -0.526734500 | -0.80084851  | 0.279744350  | -0.8056794 | -0.8323390 | -           |
|        | 0.99321006   |              |              |            |            |             |
| ## 160 | -0.554223520 | -0.79618152  | 0.241094030  | -0.7849055 | -0.9098287 | -           |
|        | 0.80458865   |              |              |            |            |             |
| ## 161 | -0.225372430 | -0.39399909  | 0.345630820  | -0.5815481 | -0.8384281 | -           |
|        | 0.97610761   |              |              |            |            |             |
| ## 162 | -0.247844300 | -0.07158146  | 0.336222360  | -0.6057497 | -0.7084758 | -           |
|        | 0.58596085   |              |              |            |            |             |
| ## 163 | -0.494208090 | -0.29617382  | 0.073405623  | -0.7160984 | -0.9208090 | -           |
|        | 0.85909723   |              |              |            |            |             |
| ## 164 | -0.451962480 | -0.35764600  | -0.002847376 | -0.7072468 | -0.9591456 | -           |
|        | 0.76211739   |              |              |            |            |             |
| ## 165 | -0.565687030 | -0.65940018  | 0.175676220  | -0.7990919 | -0.8764393 | -           |
|        | 0.86688988   |              |              |            |            |             |
| ## 166 | -0.548754730 | -0.79612129  | 0.246134390  | -0.7794679 | -0.9572127 | -           |
|        | 0.62261964   |              |              |            |            |             |
| ## 167 | -0.635814820 | -0.77103469  | 0.220896150  | -0.7918593 | -0.7420926 | -           |
|        | 0.89291387   |              |              |            |            |             |
| ## 168 | -0.582928100 | -0.76869492  | 0.316049250  | -0.8135182 | -0.8770008 | -           |
|        | 0.89549466   |              |              |            |            |             |
| ## 169 | -0.525756180 | -0.81520581  | 0.293903950  | -0.8049618 | -0.9667124 | -           |
|        | 0.93398729   |              |              |            |            |             |
| ## 170 | -0.313195450 | -0.47487953  | 0.294723150  | -0.6382706 | -0.9273115 | -           |
|        | 0.72918263   |              |              |            |            |             |
| ## 171 | -0.309584930 | 0.04218976   | 0.211298230  | -0.6572702 | -0.9623754 | -           |
|        | 0.83022694   |              |              |            |            |             |
| ## 172 | -0.488890000 | -0.65353014  | 0.068846297  | -0.7371976 | -0.9084653 | -           |
|        | 0.55241379   |              |              |            |            |             |
| ## 173 | -0.484640600 | -0.48607583  | -0.119400230 | -0.7536012 | -0.9727149 | -           |
|        | 0.68416363   |              |              |            |            |             |
| ## 174 | -0.488772710 | -0.39059473  | 0.011056562  | -0.7286361 | -0.8279900 | -           |
|        | 0.91200662   |              |              |            |            |             |
| ## 175 | -0.508583990 | -0.83303434  | 0.293238670  | -0.7505125 | -0.9864063 | -           |
|        | 0.94573083   |              |              |            |            |             |
| ## 176 | -0.518606980 | -0.76174242  | 0.278635560  | -0.8340289 | -0.6835989 | -           |
|        | 0.82796769   |              |              |            |            |             |
| ## 177 | -0.922421820 | -0.96596717  | -0.931129090 | -0.9064975 | -0.9928327 | -           |
|        | 0.93778109   |              |              |            |            |             |
| ##     | NA           | NA           | NA           | NA         | NA         | NA          |
| ## 1   | -0.9943354   | -0.985276210 | -0.9998637   | -0.9996661 | -0.9999346 | -0.99034389 |

|       |            |              |            |            |            |             |
|-------|------------|--------------|------------|------------|------------|-------------|
| ## 2  | -0.9944137 | -0.986868700 | -0.9998249 | -0.9999115 | -0.9998921 | -0.98709935 |
| ## 3  | -0.9936360 | -0.986008710 | -0.9996733 | -0.9999624 | -0.9998463 | -0.98553645 |
| ## 4  | -0.9931436 | -0.990344280 | -0.9999462 | -0.9999514 | -0.9998668 | -0.99287780 |
| ## 5  | -0.9948352 | -0.988706210 | -0.9998616 | -0.9999510 | -0.9998642 | -0.99046444 |
| ## 6  | -0.9816007 | -0.987610460 | -0.9998615 | -0.9999484 | -0.9997811 | -0.98832177 |
| ## 7  | -0.9933058 | -0.986418460 | -0.9999072 | -0.9999136 | -0.9996897 | -0.98614699 |
| ## 8  | -0.9929672 | -0.987133000 | -0.9999196 | -0.9998879 | -0.9996735 | -0.99061560 |
| ## 9  | -0.9870549 | -0.989561140 | -0.9999408 | -0.9999562 | -0.9998614 | -0.98958313 |
| ## 10 | -0.9875073 | -0.983472040 | -0.9998575 | -0.9998863 | -0.9997310 | -0.98492932 |
| ## 11 | -0.9862054 | -0.983395990 | -0.9998528 | -0.9998999 | -0.9997324 | -0.98465169 |
| ## 12 | -0.9971496 | -0.995465720 | -0.9999717 | -0.9999786 | -0.9999722 | -0.99534259 |
| ## 13 | -0.9983233 | -0.997327040 | -0.9999808 | -0.9999883 | -0.9999729 | -0.99633801 |
| ## 14 | -0.9990927 | -0.997561150 | -0.9999925 | -0.9999909 | -0.9999755 | -0.99617340 |
| ## 15 | -0.8679414 | -0.946608940 | -0.9997043 | -0.9981620 | -0.9957100 | -0.97554375 |
| ## 16 | -0.9464517 | -0.974855470 | -0.9999149 | -0.9993795 | -0.9975353 | -0.99405980 |
| ## 17 | -0.9889583 | -0.985150140 | -0.9999196 | -0.9997949 | -0.9995571 | -0.99416864 |
| ## 18 | -0.9915152 | -0.988851810 | -0.9999207 | -0.9999209 | -0.9997569 | -0.99428435 |
| ## 19 | -0.9997869 | -0.995276200 | -0.9999451 | -0.9999913 | -0.9999681 | -0.99663514 |
| ## 20 | -0.9985806 | -0.997540380 | -0.9999836 | -0.9999906 | -0.9999654 | -0.99654484 |
| ## 21 | -0.9972390 | -0.998479220 | -0.9999919 | -0.9999938 | -0.9999899 | -0.99596914 |
| ## 22 | -0.9962893 | -0.998186180 | -0.9999924 | -0.9999955 | -0.9999869 | -0.99511128 |
| ## 23 | -0.9949492 | -0.997774780 | -0.9999944 | -0.9999908 | -0.9999637 | -0.99583465 |
| ## 24 | -0.9939096 | -0.997911130 | -0.9999954 | -0.9999937 | -0.9999739 | -0.99620294 |
| ## 25 | -0.9991983 | -0.996601090 | -0.9999857 | -0.9999912 | -0.9999558 | -0.99548912 |
| ## 26 | -0.9916076 | -0.995576440 | -0.9999666 | -0.9999900 | -0.9999655 | -0.99635113 |
| ## 27 | -0.9995317 | -0.995831170 | -0.9999729 | -0.9999902 | -0.9999805 | -0.99180056 |
| ## 28 | -0.8604018 | -0.950863180 | -0.9995938 | -0.9995417 | -0.9962130 | -0.97924822 |
| ## 29 | -0.9965741 | -0.984314390 | -0.9999721 | -0.9996328 | -0.9993777 | -0.99685338 |
| ## 30 | -0.9526302 | -0.984514130 | -0.9999820 | -0.9997066 | -0.9992955 | -0.99650622 |
| ## 31 | -0.8605316 | -0.686561310 | -0.9633303 | -0.8738437 | -0.9056005 | -0.89087905 |
| ## 32 | -0.9612086 | -0.698715480 | -0.9604946 | -0.8684289 | -0.8779497 | -0.86963574 |
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| ## 34 | -0.9947082 | -0.982406070 | -0.9999855 | -0.9997057 | -0.9996525 | -0.99503093 |
| ## 35 | -0.9805131 | -0.991776120 | -0.9999946 | -0.9999306 | -0.9996336 | -0.99825683 |
| ## 36 | -0.9927836 | -0.993608890 | -0.9999883 | -0.9999684 | -0.9998516 | -0.99710450 |
| ## 37 | -0.9963562 | -0.995211760 | -0.9999978 | -0.9999564 | -0.9999181 | -0.99908200 |
| ## 38 | -0.9990072 | -0.996556930 | -0.9999954 | -0.9999682 | -0.9999742 | -0.99719696 |
| ## 39 | -0.7479625 | -0.939469230 | -0.9988501 | -0.9995649 | -0.9866901 | -0.98647582 |
| ## 40 | -0.7192823 | -0.935224670 | -0.9983850 | -0.9999069 | -0.9859664 | -0.96975294 |
| ## 41 | -0.8563805 | -0.961325780 | -0.9992189 | -0.9999065 | -0.9946722 | -0.98367155 |
| ## 42 | -0.9707079 | -0.986507950 | -0.9998227 | -0.9999618 | -0.9995893 | -0.99301554 |
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| ## 50 | -0.9965614 | -0.995436690 | -0.9999951 | -0.9999748 | -0.9998885 | -0.99706676 |
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| ## 52  | -0.7594027 | -0.913235960 | -0.9989083 | -0.9976277 | -0.9815358 | -0.98099820 |
| ## 53  | -0.8260709 | -0.967064550 | -0.9997864 | -0.9999545 | -0.9937361 | -0.99520947 |
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| ## 68  | -0.9978354 | -0.585242870 | -0.8123908 | -0.9668532 | -0.9169188 | -0.71222292 |
| ## 69  | -0.8479210 | -0.861747450 | -0.9812229 | -0.9969897 | -0.9969348 | -0.88486171 |
| ## 70  | -0.8504854 | -0.585924940 | -0.9318323 | -0.9759506 | -0.9282508 | -0.66911609 |
| ## 71  | -0.9508173 | -0.365882670 | -0.5770174 | -0.9449067 | -0.9068470 | -0.65505056 |
| ## 72  | -0.9550821 | -0.328237760 | -0.6091895 | -0.9558526 | -0.9612286 | -0.51298337 |
| ## 73  | -0.9957265 | -0.780797000 | -0.9559508 | -0.9896021 | -0.9920930 | -0.83743117 |
| ## 74  | -0.9918417 | -0.968941100 | -0.9984403 | -0.9998118 | -0.9992209 | -0.96779185 |
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| ## 82  | -0.6651556 | -0.025322004 | -0.7946119 | -0.4554220 | -0.7359166 | 0.08463824  |
| ## 83  | -0.6266031 | -0.061992113 | -0.8054479 | -0.3560664 | -0.7586200 | -0.06126157 |
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| ## 89  | -0.9594286 | -0.255302070 | -0.8797912 | -0.5922555 | -0.7863251 | -0.46205845 |
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| ## 94  | -0.7740468 | -0.178286200 | -0.8599401 | -0.5261041 | -0.7261809 | -0.42718715 |
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| ## 98  | -0.6183226 | -0.139864130 | -0.8764449 | -0.4827895 | -0.7529308 | -0.37233459 |
| ## 99  | -0.9037121 | -0.084410713 | -0.8512252 | -0.4680018 | -0.7285763 | -0.22061620 |
| ## 100 | -0.6978310 | -0.201806470 | -0.8654346 | -0.5205241 | -0.7602965 | -0.44354040 |
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|        |            |              |            |            |            |             |
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| ## 102 | -0.7289512 | -0.053159358 | -0.8585156 | -0.4657912 | -0.7541596 | -0.44184307 |
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| ## 104 | -0.8866334 | -0.104481350 | -0.8509104 | -0.4264468 | -0.7861259 | -0.23252229 |
| ## 105 | -0.7394926 | -0.146659990 | -0.8773750 | -0.4894190 | -0.7985289 | -0.49584749 |
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| ## 119 | -0.5605787 | -0.217478910 | -0.8799442 | -0.6063521 | -0.7870465 | -0.40873990 |
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| ## 134 | -0.9072602 | -0.252288440 | -0.9674870 | -0.7168432 | -0.7079981 | -0.47700234 |
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| ## 137 | -0.9121673 | 0.058782358  | -0.7665707 | -0.4641153 | -0.5529358 | -0.38299351 |
| ## 138 | -0.5829863 | 0.132319760  | -0.5810299 | -0.4481817 | -0.3623397 | -0.45516219 |
| ## 139 | -0.5396101 | 0.141550990  | -0.7962581 | -0.4321412 | -0.3716813 | -0.51879633 |
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| ## 142 | -0.8296131 | -0.211258700 | -0.9585437 | -0.6286101 | -0.5689705 | -0.47574240 |
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| ## 147 | -0.3657264 | -0.011055064 | -0.6928005 | -0.5959252 | -0.6292051 | -0.24853213 |
| ## 148 | -0.7902767 | -0.111860870 | -0.7243927 | -0.6177712 | -0.6633679 | -0.47463437 |
| ## 149 | -0.8852218 | -0.162661170 | -0.9199993 | -0.6219685 | -0.7232742 | -0.44173736 |
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## 152 -0.6170503 -0.435309540 -0.9652121 -0.5193654 -0.9024682 -0.59021927
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## 164 -0.8214859 -0.400176050 -0.8698466 -0.6502685 -0.8838173 -0.66981458
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## 18 -0.995940830 -0.9899393600 -0.82062055 -0.75172117 -0.71777025 -  
1.00000000  
## 19 -0.998669370 -0.9922205100 -0.79765302 -0.92277168 -0.91833498 -  
1.00000000  
## 20 -0.998535070 -0.9939249400 -0.89165479 -0.95530222 -0.95273437 -  
0.80000000  
## 21 -0.998235070 -0.9957073200 -0.95391262 -0.95530222 -1.00000000 -  
0.80000000  
## 22 -0.998359300 -0.9958231800 -0.95391262 -1.00000000 -1.00000000 -  
1.00000000  
## 23 -0.998443560 -0.9952390000 -1.00000000 -0.95530222 -0.95273437 -  
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## 24 -0.998467740 -0.9954867000 -1.00000000 -1.00000000 -0.95273437 -  
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## 25 -0.997511460 -0.9940565200 -0.86612578 -0.95530222 -0.88888489 -  
0.93333333  
## 26 -0.997892410 -0.9959981200 -0.82184063 -0.92277168 -0.88888489 -  
1.00000000  
## 27 -0.997844460 -0.9937630300 -0.78425315 -0.92277168 -1.00000000 -  
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## 28 -0.976770700 -0.9300827200 -0.51190757 -0.44799535 -0.20988466 -  
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## 29 -0.989481020 -0.9902013400 -0.87456970 -0.57107159 -0.70504967 -  
1.00000000  
## 30 -0.993806130 -0.9936340200 -0.92037074 -0.66064667 -0.66662180 -  
1.00000000  
## 31 -0.887204710 -0.8564255700 -0.06841067 0.14469114 -0.02774620 -  
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## 32 -0.843201250 -0.8363589200 0.06065306 0.15269787 -0.01567151 -  
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## 33 -0.961009740 -0.9350240300 -0.34623165 -0.12840274 -0.23961983 -  
1.00000000  
## 34 -0.981317980 -0.9939987500 -0.86612578 -0.48544409 -0.75107966 -  
1.00000000  
## 35 -0.991639310 -0.9951897900 -0.95391262 -0.76460301 -0.76952156 -  
1.00000000  
## 36 -0.994596000 -0.9916152700 -0.92037074 -0.87016227 -0.79247992 -  
1.00000000

## 37 -0.992736200 -0.9945036400 -1.00000000 -0.82602909 -0.84206336 -  
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## 38 -0.995798910 -0.9938582900 -0.95391262 -0.87016227 -0.91833498 -  
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## 39 -0.987559130 -0.9410843800 -0.53238385 -0.59472789 -0.44079195 -  
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## 40 -0.994050520 -0.9361640500 -0.34771383 -0.74483279 -0.39619027 -  
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## 41 -0.993601160 -0.9694070600 -0.47433511 -0.79407249 -0.31285644 -  
1.00000000  
## 42 -0.994315520 -0.9916374000 -0.66250006 -0.84774017 -0.72473719 -  
1.00000000  
## 43 -0.995630910 -0.9905803300 -0.82062055 -0.84774017 -0.76952156 -  
1.00000000  
## 44 -0.996239500 -0.9955513800 -1.00000000 -0.92277168 -0.84206336 -  
1.00000000  
## 45 -0.995117320 -0.9912794000 -0.92037074 -0.95530222 -0.77093105 -  
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## 46 -0.994911650 -0.9936235400 -0.95391262 -0.82721239 -0.90561440 -  
1.00000000  
## 47 -0.996585440 -0.9954074700 -1.00000000 -0.80828724 -0.84206336 -  
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## 48 -0.996103930 -0.9929333900 -0.95391262 -0.92277168 -0.83899298 -  
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## 49 -0.996616600 -0.9914904600 -1.00000000 -0.87016227 -0.90561440 -  
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## 50 -0.996221600 -0.9917829000 -0.95391262 -0.84774017 -0.81603462 -  
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## 51 -0.996043680 -0.9920672000 -1.00000000 -0.91074218 -0.81603462 -  
0.86666667  
## 52 -0.936641280 -0.9473447300 -0.43240036 -0.13009034 -0.51444423 -  
0.73333333  
## 53 -0.996531590 -0.9609439900 -0.67493232 -0.85064374 -0.25740967 -  
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## 54 -0.997523340 -0.9807928200 -0.75245371 -0.92277168 -0.50990446 -  
1.00000000  
## 55 -0.999058690 -0.9938245800 -0.92037074 -0.91074218 -0.81603462 -  
1.00000000  
## 56 -0.996888640 -0.9964514100 -1.00000000 -0.89492156 -0.88888489 -  
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## 57 -0.997407850 -0.9964263600 -1.00000000 -0.91074218 -0.86270321 -  
0.60000000  
## 58 -0.997065390 -0.9958761600 -1.00000000 -0.91074218 -0.84206336 -  
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## 59 -0.997234080 -0.9956747700 -1.00000000 -0.85064374 -0.95273437 -  
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## 60 -0.998398770 -0.9956018600 -1.00000000 -0.92277168 -0.91833498 -  
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## 61 -0.998027200 -0.9938118200 -1.00000000 -0.95530222 -0.95273437 -  
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## 62 -0.997539710 -0.9968346100 -1.00000000 -0.91074218 -0.91833498 -  
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## 63 -0.996709640 -0.9951557900 -1.00000000 -0.91074218 -0.95273437 -  
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## 64 -0.996511060 -0.9952028500 -1.00000000 -0.87835160 -0.95273437 -  
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## 65 -0.931959040 -0.9260497700 -0.25162709 -0.09330635 -0.19413082 -  
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## 66 -0.980656380 -0.9584294400 -0.42908052 -0.53756092 -0.20022343 -  
1.00000000  
## 67 -0.847305080 -0.6897261100 0.27951208 0.13253721 0.20213126 -  
1.00000000  
## 68 -0.840139510 -0.7090740600 0.37944809 0.09057969 0.19024931 -  
1.00000000  
## 69 -0.949726070 -0.9210734600 -0.03335559 -0.15708304 -0.18797373 -  
0.80000000  
## 70 -0.848911500 -0.8116921500 0.23922584 0.19499491 0.03444464 -  
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## 71 -0.670746850 -0.5614179900 0.46300896 0.42174943 0.36733777 -  
0.93333333  
## 72 -0.661363660 -0.7542518500 0.62625433 0.39489623 0.23475662 -  
0.93333333  
## 73 -0.876483030 -0.9503137200 0.03144654 -0.07071600 -0.29711769 -  
1.00000000  
## 74 -0.979887060 -0.9904726100 -0.48176016 -0.52801522 -0.67870720 -  
1.00000000  
## 75 -0.986908150 -0.9863055100 -0.36065109 -0.67004601 -0.69993121 -  
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## 76 -0.995590280 -0.9936692500 -0.53726857 -0.85064374 -0.77093105 -  
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## 77 -0.994888800 -0.9972907900 -0.60199115 -0.89492156 -0.83899298 -  
1.00000000  
## 78 -0.995697920 -0.9949938600 -0.82062055 -0.95530222 -0.88888489 -  
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## 79 -0.157220510 -0.2727760900 0.51136604 0.52091537 0.64419959 -  
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## 80 -0.374696420 -0.3380534600 0.49594046 0.68853815 0.58728389 -  
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## 81 -0.358834170 -0.3942889600 0.60032604 0.73435991 0.64503627 -  
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## 82 -0.233651240 -0.2594351400 0.64005669 0.71344949 0.58391618 -  
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## 83 -0.051355921 -0.4317071600 0.65811649 0.75841890 0.52700267 -  
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## 84 -0.242643650 -0.5400960100 0.56517669 0.75890675 0.40578415 -  
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## 85 -0.251012910 -0.4100973600 0.45996871 0.77685812 0.57595296 -  
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## 86 -0.240811860 -0.2676676800 0.56888015 0.70830837 0.58582170 -  
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## 87 -0.410380510 -0.5377148100 0.58744641 0.65064130 0.37390231 -  
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## 88 -0.271992130 -0.3417494200 0.57045950 0.54838583 0.58451414 -  
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## 89 -0.538525460 -0.4515490900 0.60150827 0.56668652 0.55911020 -  
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## 90 -0.296629570 -0.3374293000 0.42507886 0.74233680 0.46460318 -  
0.26666667  
## 91 -0.309497180 -0.4671065700 0.48085657 0.81501713 0.58435635 -  
0.26666667  
## 92 -0.088878386 -0.4108266000 0.60378600 0.69782614 0.58834950 -  
0.26666667  
## 93 -0.301448520 -0.3954454200 0.57284525 0.68907770 0.59764097 -  
0.26666667  
## 94 -0.210807120 -0.1955380100 0.52765345 0.68833817 0.62293528 -  
0.26666667  
## 95 -0.287180050 -0.3912682400 0.57603913 0.79330605 0.61462952 -  
0.26666667  
## 96 -0.185369220 -0.4434108100 0.59830670 0.86297974 0.56959772 -  
0.33333333  
## 97 -0.196290870 -0.1457041300 0.49984141 0.80124039 0.58738459 -  
0.33333333  
## 98 -0.130189700 -0.3266707700 0.45050617 0.68185685 0.53613324 -  
0.33333333  
## 99 -0.129674850 -0.2957414800 0.59464712 0.73519576 0.60543990 -  
0.26666667  
## 100 -0.304580870 -0.2801077200 0.48382322 0.68907770 0.63686831 -  
0.26666667  
## 101 -0.256392300 -0.4169106900 0.58678319 0.72941878 0.52975160 -  
0.26666667  
## 102 -0.040947102 -0.2518217900 0.63175936 0.84850602 0.58535083 -  
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## 103 -0.114760230 -0.5311332200 0.61557013 0.87221602 0.58747432 -  
0.26666667  
## 104 -0.116036780 -0.4249691400 0.57740295 0.80124039 0.52464695 -  
0.26666667  
## 105 -0.275038480 -0.3702462900 0.53136331 0.68967837 0.40759145 -  
0.33333333  
## 106 -0.256615370 -0.4980786900 0.50871776 0.73328060 0.52238311 -  
0.26666667  
## 107 -0.423868500 -0.3838859600 0.47181272 0.65205607 0.61764565 -  
0.26666667  
## 108 -0.332312170 -0.2016302800 0.54727577 0.79805663 0.63020193 -  
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## 109 -0.252875190 -0.4772449800 0.59326638 0.74311755 0.50404431 -  
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## 110 -0.169060200 -0.1856672900 0.63691713 0.72284298 0.55200013 -  
0.33333333  
## 111 -0.242179510 -0.3491617100 0.57360018 0.67425500 0.51173235 -  
0.33333333

|        |              |               |            |            |            |   |
|--------|--------------|---------------|------------|------------|------------|---|
| ## 112 | -0.119882900 | -0.4771227400 | 0.59628848 | 0.78641768 | 0.50812605 | - |
|        | 0.26666667   |               |            |            |            |   |
| ## 113 | -0.326203600 | -0.5366456900 | 0.60181378 | 0.76371540 | 0.44380693 | - |
|        | 0.26666667   |               |            |            |            |   |
| ## 114 | -0.372810410 | -0.5958372800 | 0.56236915 | 0.76810048 | 0.40721568 | - |
|        | 0.26666667   |               |            |            |            |   |
| ## 115 | -0.260317350 | -0.4834001400 | 0.56009238 | 0.68002150 | 0.51344323 | - |
|        | 0.26666667   |               |            |            |            |   |
| ## 116 | -0.404408090 | -0.4644990200 | 0.49641662 | 0.79584758 | 0.47254896 | - |
|        | 0.26666667   |               |            |            |            |   |
| ## 117 | -0.319121030 | -0.2383793600 | 0.54093577 | 0.77892865 | 0.66393813 | - |
|        | 0.33333333   |               |            |            |            |   |
| ## 118 | -0.281275360 | -0.2863658200 | 0.53551090 | 0.65938974 | 0.62839930 | - |
|        | 0.33333333   |               |            |            |            |   |
| ## 119 | -0.358730610 | -0.5213035400 | 0.59656715 | 0.73030731 | 0.43537956 | - |
|        | 0.33333333   |               |            |            |            |   |
| ## 120 | -0.367161530 | -0.4179236700 | 0.57335769 | 0.71323300 | 0.49330605 | - |
|        | 0.33333333   |               |            |            |            |   |
| ## 121 | -0.258330950 | -0.2437957200 | 0.54324978 | 0.72459023 | 0.53003314 | - |
|        | 0.33333333   |               |            |            |            |   |
| ## 122 | -0.326544230 | -0.3716462300 | 0.58138293 | 0.66253830 | 0.51382866 | - |
|        | 0.33333333   |               |            |            |            |   |
| ## 123 | -0.182011310 | -0.4268759500 | 0.61077220 | 0.69547822 | 0.52622065 | - |
|        | 0.93333333   |               |            |            |            |   |
| ## 124 | -0.314078850 | -0.2193535100 | 0.57871651 | 0.69313031 | 0.43434327 | - |
|        | 0.93333333   |               |            |            |            |   |
| ## 125 | -0.193368930 | -0.3920695500 | 0.45600127 | 0.71113677 | 0.51719532 | - |
|        | 0.33333333   |               |            |            |            |   |
| ## 126 | -0.625656400 | -0.3731208900 | 0.57335769 | 0.72506888 | 0.57441647 | - |
|        | 0.46666667   |               |            |            |            |   |
| ## 127 | -0.282960880 | -0.3348167800 | 0.44468518 | 0.84935836 | 0.46865002 | - |
|        | 0.06666667   |               |            |            |            |   |
| ## 128 | 0.002573135  | -0.0240545010 | 0.55323235 | 0.80298763 | 0.67417591 | - |
|        | 1.00000000   |               |            |            |            |   |
| ## 129 | -0.274805260 | -0.0853799210 | 0.59402778 | 0.81453848 | 0.68622282 | - |
|        | 1.00000000   |               |            |            |            |   |
| ## 130 | -0.399980100 | -0.1741239500 | 0.60588650 | 0.68453724 | 0.66580515 | - |
|        | 1.00000000   |               |            |            |            |   |
| ## 131 | -0.063854847 | 0.0523593070  | 0.58842456 | 0.74045706 | 0.65410660 | - |
|        | 1.00000000   |               |            |            |            |   |
| ## 132 | -0.240838360 | 0.1271292000  | 0.61853247 | 0.81688639 | 0.74405196 | - |
|        | 1.00000000   |               |            |            |            |   |
| ## 133 | -0.405689700 | 0.0233300940  | 0.44887327 | 0.73242825 | 0.69528341 | - |
|        | 0.73333333   |               |            |            |            |   |
| ## 134 | -0.287462380 | -0.1968508600 | 0.50998418 | 0.82437543 | 0.51261621 | - |
|        | 1.00000000   |               |            |            |            |   |
| ## 135 | -0.024055218 | -0.0958392460 | 0.47303326 | 0.83218775 | 0.62050616 | - |
|        | 0.80000000   |               |            |            |            |   |
| ## 136 | 0.075986334  | -0.0324141970 | 0.52084672 | 0.91639421 | 0.59478914 | - |
|        | 1.00000000   |               |            |            |            |   |

|        |              |               |            |            |            |   |
|--------|--------------|---------------|------------|------------|------------|---|
| ## 137 | 0.202812340  | 0.2691285700  | 0.59051214 | 0.81167800 | 0.71079337 | - |
|        | 1.00000000   |               |            |            |            |   |
| ## 138 | 0.183624810  | 0.5939286400  | 0.54058638 | 0.84152133 | 0.67484830 | - |
|        | 1.00000000   |               |            |            |            |   |
| ## 139 | 0.137263030  | 0.0844340350  | 0.48937196 | 0.86313511 | 0.71093906 | - |
|        | 1.00000000   |               |            |            |            |   |
| ## 140 | 0.114836360  | -0.2758253400 | 0.54911362 | 0.84202470 | 0.67050461 | - |
|        | 1.00000000   |               |            |            |            |   |
| ## 141 | -0.078539451 | -0.1888025600 | 0.62563499 | 0.78296574 | 0.54693163 | - |
|        | 1.00000000   |               |            |            |            |   |
| ## 142 | -0.239823850 | -0.3353196800 | 0.48747309 | 0.79390672 | 0.64831854 | - |
|        | 1.00000000   |               |            |            |            |   |
| ## 143 | -0.112934760 | -0.3445897400 | 0.48951715 | 0.88339317 | 0.52691517 | - |
|        | 1.00000000   |               |            |            |            |   |
| ## 144 | -0.282660920 | 0.0568963350  | 0.53941706 | 0.78267788 | 0.54520357 | - |
|        | 0.73333333   |               |            |            |            |   |
| ## 145 | -0.069342859 | 0.0839910460  | 0.62405452 | 0.80213529 | 0.65695843 | - |
|        | 1.00000000   |               |            |            |            |   |
| ## 146 | 0.076781858  | -0.0004963149 | 0.48384847 | 0.82951655 | 0.72228824 | - |
|        | 1.00000000   |               |            |            |            |   |
| ## 147 | -0.367257200 | -0.0916995800 | 0.55259599 | 0.76136748 | 0.50114395 | - |
|        | 1.00000000   |               |            |            |            |   |
| ## 148 | -0.121435170 | -0.2589447400 | 0.53505064 | 0.79155881 | 0.57365980 | - |
|        | 1.00000000   |               |            |            |            |   |
| ## 149 | -0.117411520 | -0.1593893700 | 0.48731289 | 0.74825867 | 0.61988844 | - |
|        | 1.00000000   |               |            |            |            |   |
| ## 150 | -0.156907440 | -0.2275771100 | 0.49720462 | 0.72407767 | 0.64436389 | - |
|        | 1.00000000   |               |            |            |            |   |
| ## 151 | -0.265853030 | -0.5175564000 | 0.37598498 | 0.68329336 | 0.39987679 | - |
|        | 0.66666667   |               |            |            |            |   |
| ## 152 | -0.506922830 | -0.6240161000 | 0.20562007 | 0.63333819 | 0.34872834 | - |
|        | 0.66666667   |               |            |            |            |   |
| ## 153 | -0.435639700 | -0.5092801700 | 0.42452356 | 0.45179895 | 0.37655913 | - |
|        | 1.00000000   |               |            |            |            |   |
| ## 154 | -0.348159070 | -0.3204168500 | 0.51001181 | 0.65913806 | 0.45289534 | - |
|        | 1.00000000   |               |            |            |            |   |
| ## 155 | -0.431039950 | -0.3736632500 | 0.37578593 | 0.64751561 | 0.35492938 | - |
|        | 1.00000000   |               |            |            |            |   |
| ## 156 | -0.577785000 | -0.5359998600 | 0.42277227 | 0.60876848 | 0.33791679 | - |
|        | 1.00000000   |               |            |            |            |   |
| ## 157 | -0.261519430 | -0.5532190400 | 0.38219129 | 0.53236179 | 0.39087331 | - |
|        | 1.00000000   |               |            |            |            |   |
| ## 158 | -0.401510840 | -0.5634054300 | 0.45453114 | 0.56090954 | 0.39874415 | - |
|        | 0.66666667   |               |            |            |            |   |
| ## 159 | -0.434443420 | -0.4202875200 | 0.38620892 | 0.57893251 | 0.36612988 | - |
|        | 0.93333333   |               |            |            |            |   |
| ## 160 | -0.395681070 | -0.6238702900 | 0.49261385 | 0.59433731 | 0.30781662 | - |
|        | 0.40000000   |               |            |            |            |   |
| ## 161 | -0.341682800 | -0.3574981900 | 0.40315297 | 0.62796373 | 0.54855162 | - |
|        | 1.00000000   |               |            |            |            |   |

```

## 162 -0.568647170 -0.3742662500 0.47745537 0.57566065 0.29027834 -
1.00000000
## 163 -0.498450430 -0.5796683700 0.48088205 0.56154540 0.41311325 -
1.00000000
## 164 -0.534612720 -0.4010017200 0.35239969 0.60366956 0.40468677 -
1.00000000
## 165 -0.574497210 -0.5817686000 0.36508072 0.61870910 0.41204764 -
1.00000000
## 166 -0.537926700 -0.5363052600 0.32880900 0.48616709 0.30468224 -
0.66666667
## 167 -0.651006200 -0.7541835900 0.35867536 0.48519053 0.19938232 -
0.66666667
## 168 -0.679458780 -0.6792023500 0.17276447 0.41656281 0.30702636 -
0.93333333
## 169 -0.544702880 -0.5252386500 0.45329435 0.52729099 0.41444500 -
0.40000000
## 170 -0.573025930 -0.1905023700 0.55039618 0.49315177 0.41918385 -
1.00000000
## 171 -0.569614510 -0.3201890500 0.45538193 0.60661849 0.43775388 -
1.00000000
## 172 -0.562680230 -0.5397705700 0.42914950 0.51439064 0.27348913 -
1.00000000
## 173 -0.685077640 -0.5275309000 0.49728604 0.46806441 0.36643594 -
1.00000000
## 174 -0.443617720 -0.5363591500 0.41149315 0.59127458 0.36540575 -
1.00000000
## 175 -0.625916680 -0.4924721500 0.30050694 0.45663558 0.45236672 -
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## 176 -0.545327380 -0.4218259300 0.39859426 0.31948076 0.38370507 -
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## 177 -0.982303710 -0.9673529100 -0.60571124 -0.35144809 -0.31631303 -
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## 154 0.43182271 0.301912160 0.042403337 -0.3020979600 -0.668202710 -  
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|        |             |             |              |               |              |            |
|--------|-------------|-------------|--------------|---------------|--------------|------------|
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| ## 166 | -0.68435291 | 0.720708180 | 0.609044340  | -0.4358523200 | -0.781027230 | -          |
|        | 0.9787465   |             |              |               |              |            |
| ## 167 | -0.70606553 | 0.657155290 | 0.520923380  | -0.3611199900 | -0.717812980 | -          |
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| ## 168 | -0.78612413 | 0.728174250 | 0.613234570  | -0.4568302000 | -0.816352500 | -          |
|        | 0.9530396   |             |              |               |              |            |
| ## 169 | -0.89915065 | 0.638246030 | 0.484780980  | -0.5684241000 | -0.871729510 | -          |
|        | 0.9743092   |             |              |               |              |            |
| ## 170 | -0.52340502 | 0.464798450 | 0.233322600  | -0.4281010800 | -0.749544270 | -          |
|        | 0.8636343   |             |              |               |              |            |
| ## 171 | 0.25430124  | 0.332355920 | 0.046442259  | -0.4485917500 | -0.775637730 | -          |
|        | 0.6691913   |             |              |               |              |            |
| ## 172 | -0.58602513 | 0.455004540 | 0.217475350  | -0.4356873400 | -0.769494680 | -          |
|        | 0.9516354   |             |              |               |              |            |
| ## 173 | -0.27178018 | 0.295893700 | 0.023055814  | -0.4040024400 | -0.767013900 | -          |
|        | 0.9013288   |             |              |               |              |            |
| ## 174 | -0.41201053 | 0.227438240 | -0.094830524 | -0.4311101300 | -0.761266920 | -          |
|        | 0.8378727   |             |              |               |              |            |
| ## 175 | -0.83496257 | 0.707205250 | 0.578040930  | -0.4812060900 | -0.794862210 | -          |
|        | 0.9903976   |             |              |               |              |            |
| ## 176 | -0.79601855 | 0.708655370 | 0.591186880  | -0.6715385200 | -0.929887520 | -          |
|        | 0.9574344   |             |              |               |              |            |
| ## 177 | -0.38726838 | 0.222522900 | -0.146227600 | 0.4356298700  | 0.211511560  | -          |
|        | 0.9993947   |             |              |               |              |            |
| ##     | NA          | NA          | NA           | NA            | NA           | NA         |
| ## 1   | -0.9999318  | -0.9999729  | -0.9999702   | -0.9999301    | -0.9999586   | -0.9999290 |
| ## 2   | -0.9997943  | -0.9999131  | -0.9999182   | -0.9998964    | -0.9998853   | -0.9997842 |
| ## 3   | -0.9998282  | -0.9999151  | -0.9999324   | -0.9998478    | -0.9998415   | -0.9998635 |
| ## 4   | -0.9998907  | -0.9999465  | -0.9999733   | -0.9998773    | -0.9999031   | -0.9998334 |
| ## 5   | -0.9999117  | -0.9999258  | -0.9999409   | -0.9999356    | -0.9998874   | -0.9998999 |

|       |            |            |            |            |            |            |
|-------|------------|------------|------------|------------|------------|------------|
| ## 6  | -0.9999123 | -0.9999742 | -0.9999722 | -0.9999759 | -0.9999721 | -0.9999598 |
| ## 7  | -0.9998862 | -0.9999558 | -0.9999815 | -0.9999422 | -0.9999279 | -0.9999832 |
| ## 8  | -0.9999028 | -0.9999416 | -0.9999931 | -0.9999450 | -0.9999165 | -0.9999609 |
| ## 9  | -0.9999336 | -0.9999339 | -0.9999812 | -0.9999579 | -0.9999585 | -0.9999781 |
| ## 10 | -0.9997890 | -0.9998760 | -0.9999511 | -0.9998868 | -0.9999137 | -0.9999572 |
| ## 11 | -0.9998054 | -0.9999434 | -0.9999473 | -0.9999014 | -0.9999298 | -0.9999747 |
| ## 12 | -0.9999752 | -0.9999834 | -0.9999767 | -0.9999481 | -0.9999674 | -0.9999426 |
| ## 13 | -0.9999841 | -0.9999730 | -0.9999892 | -0.9999696 | -0.9999687 | -0.9999837 |
| ## 14 | -0.9999881 | -0.9999844 | -0.9999875 | -0.9999820 | -0.9999740 | -0.9999881 |
| ## 15 | -0.9997286 | -0.9998469 | -0.9998659 | -0.9998833 | -0.9997451 | -0.9996758 |
| ## 16 | -0.9999871 | -0.9999575 | -0.9999798 | -0.9999786 | -0.9999495 | -0.9999850 |
| ## 17 | -0.9999828 | -0.9999658 | -0.9999819 | -0.9999609 | -0.9999630 | -0.9999668 |
| ## 18 | -0.9999620 | -0.9999587 | -0.9999760 | -0.9999687 | -0.9999280 | -0.9999150 |
| ## 19 | -0.9999711 | -0.9999834 | -0.9999861 | -0.9999505 | -0.9999462 | -0.9999301 |
| ## 20 | -0.9999823 | -0.9999931 | -0.9999891 | -0.9999761 | -0.9999670 | -0.9999730 |
| ## 21 | -0.9999910 | -0.9999819 | -0.9999879 | -0.9999862 | -0.9999768 | -0.9999742 |
| ## 22 | -0.9999880 | -0.9999669 | -0.9999872 | -0.9999908 | -0.9999750 | -0.9999703 |
| ## 23 | -0.9999914 | -0.9999769 | -0.9999914 | -0.9999964 | -0.9999776 | -0.9999902 |
| ## 24 | -0.9999926 | -0.9999843 | -0.9999982 | -0.9999776 | -0.9999779 | -0.9999967 |
| ## 25 | -0.9999830 | -0.9999824 | -0.9999896 | -0.9999680 | -0.9999715 | -0.9999930 |
| ## 26 | -0.9999694 | -0.9999905 | -0.9999824 | -0.9999761 | -0.9999901 | -0.9999765 |
| ## 27 | -0.9999623 | -0.9999593 | -0.9999786 | -0.9999640 | -0.9999685 | -0.9999534 |
| ## 28 | -0.9997090 | -0.9997293 | -0.9999181 | -0.9997697 | -0.9995154 | -0.9995630 |
| ## 29 | -0.9999948 | -0.9999708 | -0.9999904 | -0.9999597 | -0.9999584 | -0.9999675 |
| ## 30 | -0.9999940 | -0.9999907 | -0.9999828 | -0.9999685 | -0.9999835 | -0.9999910 |
| ## 31 | -0.9950357 | -0.9965081 | -0.9968098 | -0.9929462 | -0.9912292 | -0.9865780 |
| ## 32 | -0.9964504 | -0.9953756 | -0.9990407 | -0.9985596 | -0.9977834 | -0.9984458 |
| ## 33 | -0.9990468 | -0.9968840 | -0.9975479 | -0.9925106 | -0.9925235 | -0.9893340 |
| ## 34 | -0.9999776 | -0.9999757 | -0.9999887 | -0.9999635 | -0.9999349 | -0.9999205 |
| ## 35 | -0.9999965 | -0.9999889 | -0.9999943 | -0.9999948 | -0.9999896 | -0.9999913 |
| ## 36 | -0.9999933 | -0.9999908 | -0.9999880 | -0.9999885 | -0.9999889 | -0.9999945 |
| ## 37 | -0.9999940 | -0.9999923 | -0.9999929 | -0.9999862 | -0.9999893 | -0.9999782 |
| ## 38 | -0.9999951 | -0.9999917 | -0.9999937 | -0.9999853 | -0.9999893 | -0.9999843 |
| ## 39 | -0.9998935 | -0.9998549 | -0.9998513 | -0.9995587 | -0.9995916 | -0.9994420 |
| ## 40 | -0.9996294 | -0.9995740 | -0.9994718 | -0.9989378 | -0.9987338 | -0.9983191 |
| ## 41 | -0.9998522 | -0.9998225 | -0.9998531 | -0.9995543 | -0.9994412 | -0.9992287 |
| ## 42 | -0.9999407 | -0.9999549 | -0.9999481 | -0.9998832 | -0.9998628 | -0.9998044 |
| ## 43 | -0.9999724 | -0.9999815 | -0.9999830 | -0.9999868 | -0.9999729 | -0.9999809 |
| ## 44 | -0.9999945 | -0.9999978 | -0.9999925 | -0.9999918 | -0.9999907 | -0.9999944 |
| ## 45 | -0.9999948 | -0.9999895 | -0.9999859 | -0.9999843 | -0.9999773 | -0.9999839 |
| ## 46 | -0.9999969 | -0.9999916 | -0.9999733 | -0.9999752 | -0.9999818 | -0.9999815 |
| ## 47 | -0.9999991 | -0.9999868 | -0.9999805 | -0.9999698 | -0.9999895 | -0.9999838 |
| ## 48 | -0.9999902 | -0.9999928 | -0.9999888 | -0.9999846 | -0.9999752 | -0.9999907 |
| ## 49 | -0.9999915 | -0.9999899 | -0.9999950 | -0.9999736 | -0.9999813 | -0.9999740 |
| ## 50 | -0.9999927 | -0.9999927 | -0.9999912 | -0.9999873 | -0.9999685 | -0.9999823 |
| ## 51 | -0.9999903 | -0.9999888 | -0.9999766 | -0.9999698 | -0.9999767 | -0.9999708 |
| ## 52 | -0.9998866 | -0.9995417 | -0.9997256 | -0.9994220 | -0.9995747 | -0.9992502 |
| ## 53 | -0.9999678 | -0.9999650 | -0.9999514 | -0.9998920 | -0.9998328 | -0.9998952 |
| ## 54 | -0.9999755 | -0.9999647 | -0.9999754 | -0.9999072 | -0.9999248 | -0.9999301 |
| ## 55 | -0.9999925 | -0.9999937 | -0.9999834 | -0.9999843 | -0.9999870 | -0.9999834 |

|        |            |            |            |            |            |            |
|--------|------------|------------|------------|------------|------------|------------|
| ## 56  | -0.9999972 | -0.9999959 | -0.9999835 | -0.9999919 | -0.9999814 | -0.9999923 |
| ## 57  | -0.9999954 | -0.9999922 | -0.9999902 | -0.9999938 | -0.9999811 | -0.9999889 |
| ## 58  | -0.9999902 | -0.9999905 | -0.9999945 | -0.9999866 | -0.9999775 | -0.9999881 |
| ## 59  | -0.9999940 | -0.9999936 | -0.9999967 | -0.9999806 | -0.9999895 | -0.9999900 |
| ## 60  | -0.9999959 | -0.9999956 | -0.9999970 | -0.9999916 | -0.9999962 | -0.9999948 |
| ## 61  | -0.9999958 | -0.9999982 | -0.9999979 | -0.9999950 | -0.9999876 | -0.9999880 |
| ## 62  | -0.9999893 | -0.9999900 | -0.9999925 | -0.9999768 | -0.9999749 | -0.9999815 |
| ## 63  | -0.9999844 | -0.9999876 | -0.9999938 | -0.9999737 | -0.9999697 | -0.9999859 |
| ## 64  | -0.9999904 | -0.9999945 | -0.9999986 | -0.9999938 | -0.9999878 | -0.9999893 |
| ## 65  | -0.9996566 | -0.9995648 | -0.9974767 | -0.9981960 | -0.9985040 | -0.9981738 |
| ## 66  | -0.9996100 | -0.9998223 | -0.9997875 | -0.9996082 | -0.9995378 | -0.9992256 |
| ## 67  | -0.8750233 | -0.9876270 | -0.9907768 | -0.9907047 | -0.9905196 | -0.9947769 |
| ## 68  | -0.8593879 | -0.9867518 | -0.9899774 | -0.9917189 | -0.9927288 | -0.9971840 |
| ## 69  | -0.9917871 | -0.9953834 | -0.9948723 | -0.9909695 | -0.9890661 | -0.9878607 |
| ## 70  | -0.9381342 | -0.9236894 | -0.8966466 | -0.7576578 | -0.5992282 | -0.4942325 |
| ## 71  | -0.6739110 | -0.9674416 | -0.9580954 | -0.9260886 | -0.9432535 | -0.9695803 |
| ## 72  | -0.4681955 | -0.8943462 | -0.8366532 | -0.5728067 | -0.6252130 | -0.5509355 |
| ## 73  | -0.9791072 | -0.9808368 | -0.9901653 | -0.9691705 | -0.9519951 | -0.9407415 |
| ## 74  | -0.9997269 | -0.9997133 | -0.9997516 | -0.9996978 | -0.9996176 | -0.9995167 |
| ## 75  | -0.9996787 | -0.9996503 | -0.9994685 | -0.9989334 | -0.9987750 | -0.9986788 |
| ## 76  | -0.9998706 | -0.9998364 | -0.9997880 | -0.9996426 | -0.9994012 | -0.9993043 |
| ## 77  | -0.9999126 | -0.9999113 | -0.9999286 | -0.9998994 | -0.9997634 | -0.9998504 |
| ## 78  | -0.9999822 | -0.9999510 | -0.9999831 | -0.9999581 | -0.9999642 | -0.9999794 |
| ## 79  | -0.5223844 | -0.9026690 | -0.9612094 | -0.9560915 | -0.9516971 | -0.9657370 |
| ## 80  | -0.4498935 | -0.8229414 | -0.9456303 | -0.8479073 | -0.8187094 | -0.7778205 |
| ## 81  | -0.5117466 | -0.7835592 | -0.9332055 | -0.9650522 | -0.9454056 | -0.9589293 |
| ## 82  | -0.2130272 | -0.7547019 | -0.8977879 | -0.9389719 | -0.9474577 | -0.9693561 |
| ## 83  | -0.2602845 | -0.6701405 | -0.9415650 | -0.9459119 | -0.9433731 | -0.9710224 |
| ## 84  | -0.4940896 | -0.8012037 | -0.9262765 | -0.9123872 | -0.9081282 | -0.7631971 |
| ## 85  | -0.4140828 | -0.8457842 | -0.9496512 | -0.9331781 | -0.9370456 | -0.9510964 |
| ## 86  | -0.3707698 | -0.8279569 | -0.9329327 | -0.9096555 | -0.8697656 | -0.9019787 |
| ## 87  | -0.4332125 | -0.8688838 | -0.9508871 | -0.9654504 | -0.9081968 | -0.9580691 |
| ## 88  | -0.2910258 | -0.8722167 | -0.9271781 | -0.9138601 | -0.8246329 | -0.8290741 |
| ## 89  | -0.4341472 | -0.8237304 | -0.9400721 | -0.9415914 | -0.9346136 | -0.9673626 |
| ## 90  | -0.4719309 | -0.7236106 | -0.9436362 | -0.9598030 | -0.9642088 | -0.9868991 |
| ## 91  | -0.2881026 | -0.6837312 | -0.9364398 | -0.9341233 | -0.9637751 | -0.9761244 |
| ## 92  | -0.3855661 | -0.6841580 | -0.9343537 | -0.9278199 | -0.9582081 | -0.9861767 |
| ## 93  | -0.5649466 | -0.7549161 | -0.9519375 | -0.9321190 | -0.9480365 | -0.9829521 |
| ## 94  | -0.4010923 | -0.8378962 | -0.9479758 | -0.9429850 | -0.9240457 | -0.9930601 |
| ## 95  | -0.2574292 | -0.7314266 | -0.9513106 | -0.9440866 | -0.9573702 | -0.9591475 |
| ## 96  | -0.1977696 | -0.7867993 | -0.9228888 | -0.9089427 | -0.9526444 | -0.9395811 |
| ## 97  | -0.3191523 | -0.6808400 | -0.9388689 | -0.9169113 | -0.8925964 | -0.9731542 |
| ## 98  | -0.5234288 | -0.7327920 | -0.9351136 | -0.9412270 | -0.9563870 | -0.8836326 |
| ## 99  | -0.4060459 | -0.8069531 | -0.9519502 | -0.8981594 | -0.8973983 | -0.9377983 |
| ## 100 | -0.4722698 | -0.7701031 | -0.9766847 | -0.9508535 | -0.9725734 | -0.9815951 |
| ## 101 | -0.4778799 | -0.6693210 | -0.9264349 | -0.8557806 | -0.8760280 | -0.9512685 |
| ## 102 | -0.4422383 | -0.4887509 | -0.8994233 | -0.8257716 | -0.8145014 | -0.9484543 |
| ## 103 | -0.4098663 | -0.6240274 | -0.8070827 | -0.7537506 | -0.6218962 | -0.7524619 |
| ## 104 | -0.3997653 | -0.7159342 | -0.8855127 | -0.9309790 | -0.8266447 | -0.8666013 |
| ## 105 | -0.4447682 | -0.8087012 | -0.8785648 | -0.8583347 | -0.8629828 | -0.8282195 |

|        |            |            |            |            |            |            |
|--------|------------|------------|------------|------------|------------|------------|
| ## 106 | -0.5389095 | -0.7989345 | -0.9338383 | -0.9427441 | -0.9359730 | -0.8851748 |
| ## 107 | -0.4158373 | -0.7671080 | -0.9572072 | -0.9239886 | -0.9647326 | -0.9695411 |
| ## 108 | -0.3944962 | -0.6830176 | -0.9762503 | -0.9524670 | -0.9079368 | -0.9741239 |
| ## 109 | -0.3584887 | -0.7305062 | -0.9046173 | -0.8255305 | -0.7757568 | -0.7183751 |
| ## 110 | -0.2949211 | -0.6897126 | -0.9200248 | -0.9253545 | -0.9206300 | -0.9711719 |
| ## 111 | -0.4676903 | -0.6577292 | -0.9057675 | -0.8710931 | -0.8955616 | -0.9087202 |
| ## 112 | -0.5367710 | -0.4029782 | -0.9352622 | -0.9040200 | -0.7836691 | -0.8615650 |
| ## 113 | -0.5096982 | -0.6512678 | -0.9397851 | -0.9420483 | -0.9384223 | -0.9396134 |
| ## 114 | -0.5538930 | -0.6701447 | -0.9174436 | -0.9725754 | -0.9684572 | -0.9405333 |
| ## 115 | -0.3310561 | -0.8120774 | -0.9403014 | -0.8888982 | -0.8706345 | -0.9486986 |
| ## 116 | -0.3639268 | -0.7805863 | -0.9290068 | -0.9625246 | -0.8933967 | -0.9796769 |
| ## 117 | -0.4624948 | -0.8184829 | -0.8955646 | -0.8555471 | -0.7923731 | -0.7911079 |
| ## 118 | -0.5018879 | -0.8352199 | -0.9270544 | -0.9159835 | -0.9461146 | -0.9550657 |
| ## 119 | -0.5585651 | -0.8528737 | -0.9352759 | -0.9199182 | -0.9451095 | -0.8791330 |
| ## 120 | -0.5982478 | -0.8641628 | -0.9775688 | -0.9562992 | -0.9787566 | -0.9477104 |
| ## 121 | -0.5448072 | -0.8432404 | -0.9689592 | -0.9443194 | -0.9306054 | -0.9542765 |
| ## 122 | -0.4446564 | -0.7392742 | -0.9883852 | -0.9363328 | -0.9009778 | -0.9032329 |
| ## 123 | -0.5310953 | -0.7590729 | -0.9547617 | -0.9447455 | -0.9341403 | -0.9188415 |
| ## 124 | -0.5190641 | -0.8073457 | -0.9280908 | -0.8991250 | -0.8934227 | -0.8867732 |
| ## 125 | -0.4940163 | -0.8367649 | -0.9432309 | -0.9074633 | -0.9576222 | -0.9422009 |
| ## 126 | -0.8494593 | -0.7796102 | -0.8965477 | -0.9464057 | -0.9632964 | -0.9862726 |
| ## 127 | -0.8604209 | -0.8147367 | -0.9649124 | -0.9695946 | -0.9667277 | -0.9824788 |
| ## 128 | -0.8334661 | -0.8383065 | -0.9240227 | -0.9312923 | -0.8749283 | -0.8964878 |
| ## 129 | -0.7747237 | -0.7858101 | -0.9503092 | -0.9561263 | -0.9235520 | -0.9494856 |
| ## 130 | -0.8037486 | -0.8652314 | -0.9570308 | -0.9748346 | -0.9510349 | -0.9864389 |
| ## 131 | -0.8197636 | -0.8832400 | -0.8868052 | -0.9430460 | -0.9164002 | -0.9738115 |
| ## 132 | -0.8417902 | -0.8535896 | -0.8933799 | -0.9480735 | -0.8285381 | -0.8955994 |
| ## 133 | -0.9205539 | -0.8967441 | -0.9681878 | -0.9665704 | -0.9706815 | -0.9704983 |
| ## 134 | -0.9074810 | -0.9167686 | -0.9719583 | -0.9444630 | -0.9476474 | -0.9833596 |
| ## 135 | -0.8821237 | -0.8722044 | -0.9527887 | -0.8808948 | -0.8931958 | -0.8577524 |
| ## 136 | -0.8421835 | -0.9328114 | -0.9698432 | -0.9517909 | -0.9460961 | -0.9749275 |
| ## 137 | -0.7951663 | -0.9079180 | -0.9454855 | -0.9444300 | -0.9624093 | -0.9893668 |
| ## 138 | -0.8206271 | -0.8946138 | -0.9325847 | -0.8704767 | -0.9129578 | -0.8466871 |
| ## 139 | -0.8550085 | -0.9209586 | -0.8725863 | -0.6737662 | -0.6443864 | -0.4635188 |
| ## 140 | -0.5543924 | -0.8667030 | -0.9412236 | -0.9464387 | -0.9446712 | -0.9520102 |
| ## 141 | -0.4374391 | -0.6881891 | -0.7237719 | -0.5803384 | -0.5240434 | -0.5244128 |
| ## 142 | -0.9100135 | -0.8920178 | -0.9617052 | -0.9354023 | -0.9472192 | -0.9540202 |
| ## 143 | -0.8436030 | -0.7826649 | -0.9187693 | -0.9442060 | -0.9478805 | -0.9776949 |
| ## 144 | -0.8419698 | -0.7020300 | -0.9261657 | -0.9305504 | -0.8743215 | -0.8799753 |
| ## 145 | -0.7327909 | -0.7616120 | -0.9097816 | -0.8831834 | -0.9360177 | -0.9414870 |
| ## 146 | -0.6357876 | -0.7352024 | -0.9170246 | -0.9326571 | -0.8874735 | -0.8821906 |
| ## 147 | -0.8251555 | -0.8811931 | -0.9373320 | -0.9007092 | -0.9126642 | -0.8925089 |
| ## 148 | -0.8348097 | -0.8285833 | -0.9331413 | -0.9355817 | -0.9511963 | -0.9506601 |
| ## 149 | -0.8707926 | -0.8795401 | -0.9582723 | -0.9031907 | -0.9268704 | -0.8956995 |
| ## 150 | -0.9378514 | -0.9159169 | -0.9746764 | -0.9817596 | -0.9848548 | -0.9834781 |
| ## 151 | -0.9166580 | -0.9356202 | -0.9844538 | -0.9621191 | -0.9680429 | -0.9809991 |
| ## 152 | -0.9230969 | -0.9615787 | -0.9917995 | -0.9881997 | -0.9748167 | -0.9922206 |
| ## 153 | -0.9010370 | -0.9599356 | -0.9552520 | -0.9564539 | -0.9586576 | -0.9632221 |
| ## 154 | -0.9180912 | -0.9440861 | -0.9605190 | -0.9588117 | -0.9801161 | -0.9480123 |
| ## 155 | -0.9134283 | -0.9691948 | -0.9828860 | -0.9825856 | -0.9850347 | -0.9766456 |



|        |            |            |            |            |            |            |
|--------|------------|------------|------------|------------|------------|------------|
| ## 156 | -0.9286154 | -0.9658615 | -0.9716008 | -0.9598730 | -0.9835874 | -0.9760850 |
| ## 157 | -0.8624287 | -0.9698115 | -0.9750225 | -0.9608154 | -0.9707063 | -0.9334674 |
| ## 158 | -0.8824088 | -0.9374716 | -0.9865864 | -0.9718067 | -0.9741715 | -0.9857096 |
| ## 159 | -0.8628514 | -0.9420728 | -0.9778102 | -0.9545800 | -0.9585337 | -0.9496340 |
| ## 160 | -0.8428431 | -0.9330073 | -0.9710137 | -0.9509397 | -0.9580904 | -0.9562926 |
| ## 161 | -0.8736154 | -0.9214167 | -0.9652531 | -0.9446443 | -0.9758952 | -0.9796388 |
| ## 162 | -0.8952459 | -0.9581532 | -0.9384185 | -0.9344212 | -0.9277577 | -0.9196938 |
| ## 163 | -0.8610781 | -0.9358499 | -0.9461232 | -0.9386894 | -0.9215818 | -0.8938473 |
| ## 164 | -0.8914980 | -0.9716050 | -0.9848416 | -0.9754376 | -0.9899540 | -0.9932763 |
| ## 165 | -0.8944840 | -0.9375644 | -0.9540004 | -0.9325599 | -0.8851485 | -0.8832430 |
| ## 166 | -0.9437863 | -0.9824865 | -0.9849198 | -0.9858504 | -0.9700874 | -0.9964646 |
| ## 167 | -0.8891143 | -0.9328353 | -0.9805162 | -0.9289597 | -0.9368134 | -0.9240093 |
| ## 168 | -0.9085232 | -0.9600319 | -0.9791885 | -0.9654160 | -0.9690719 | -0.9475513 |
| ## 169 | -0.8570943 | -0.9450690 | -0.9796536 | -0.9677637 | -0.9890775 | -0.9908908 |
| ## 170 | -0.8069485 | -0.9430038 | -0.9809128 | -0.9532148 | -0.9755694 | -0.9866482 |
| ## 171 | -0.8222315 | -0.9483757 | -0.9607100 | -0.9375098 | -0.9410427 | -0.9520544 |
| ## 172 | -0.8522340 | -0.9576279 | -0.9667663 | -0.9776830 | -0.9847021 | -0.9907610 |
| ## 173 | -0.8908109 | -0.9384364 | -0.9796132 | -0.9716637 | -0.9859905 | -0.9889982 |
| ## 174 | -0.8421675 | -0.9521151 | -0.9535274 | -0.9589260 | -0.9457917 | -0.9205512 |
| ## 175 | -0.8825773 | -0.9576475 | -0.9883498 | -0.9927689 | -0.9860159 | -0.9951800 |
| ## 176 | -0.9049816 | -0.8934064 | -0.9637689 | -0.9356013 | -0.9316231 | -0.9139480 |
| ## 177 | -0.9998558 | -0.9999449 | -0.9999494 | -0.9999068 | -0.9997211 | -0.9990590 |
| ##     | NA         | NA         | NA         | NA         | NA         | NA         |
| ## 1   | -0.9999847 | -0.9998633 | -0.9999681 | -0.9999361 | -0.9999536 | -0.9998644 |
| ## 2   | -0.9997824 | -0.9998299 | -0.9998988 | -0.9998828 | -0.9997834 | -0.9998283 |
| ## 3   | -0.9998622 | -0.9996744 | -0.9999063 | -0.9998314 | -0.9998629 | -0.9996757 |
| ## 4   | -0.9998929 | -0.9999502 | -0.9999481 | -0.9998769 | -0.9998597 | -0.9999484 |
| ## 5   | -0.9999175 | -0.9998651 | -0.9999183 | -0.9999109 | -0.9999077 | -0.9998636 |
| ## 6   | -0.9999847 | -0.9998604 | -0.9999700 | -0.9999733 | -0.9999708 | -0.9998617 |
| ## 7   | -1.0000000 | -0.9999083 | -0.9999590 | -0.9999320 | -0.9999907 | -0.9999077 |
| ## 8   | -0.9999739 | -0.9999215 | -0.9999523 | -0.9999292 | -0.9999667 | -0.9999200 |
| ## 9   | -0.9999937 | -0.9999436 | -0.9999412 | -0.9999554 | -0.9999851 | -0.9999412 |
| ## 10  | -0.9999993 | -0.9998632 | -0.9998824 | -0.9998878 | -0.9999758 | -0.9998591 |
| ## 11  | -0.9999983 | -0.9998545 | -0.9999351 | -0.9999045 | -0.9999851 | -0.9998542 |
| ## 12  | -0.9999763 | -0.9999727 | -0.9999792 | -0.9999522 | -0.9999575 | -0.9999726 |
| ## 13  | -0.9999981 | -0.9999819 | -0.9999759 | -0.9999676 | -0.9999901 | -0.9999811 |
| ## 14  | -0.9999901 | -0.9999933 | -0.9999844 | -0.9999783 | -0.9999890 | -0.9999928 |
| ## 15  | -0.9996735 | -0.9997129 | -0.9998243 | -0.9998167 | -0.9996748 | -0.9997098 |
| ## 16  | -0.9999974 | -0.9999157 | -0.9999597 | -0.9999660 | -0.9999905 | -0.9999151 |
| ## 17  | -0.9999750 | -0.9999202 | -0.9999672 | -0.9999592 | -0.9999705 | -0.9999200 |
| ## 18  | -0.9999168 | -0.9999222 | -0.9999591 | -0.9999504 | -0.9999158 | -0.9999216 |
| ## 19  | -0.9999458 | -0.9999455 | -0.9999831 | -0.9999451 | -0.9999371 | -0.9999459 |
| ## 20  | -0.9999978 | -0.9999837 | -0.9999921 | -0.9999714 | -0.9999840 | -0.9999839 |
| ## 21  | -0.9999951 | -0.9999927 | -0.9999826 | -0.9999824 | -0.9999835 | -0.9999921 |
| ## 22  | -0.9999988 | -0.9999940 | -0.9999702 | -0.9999848 | -0.9999829 | -0.9999926 |
| ## 23  | -0.9999999 | -0.9999953 | -0.9999799 | -0.9999898 | -0.9999946 | -0.9999945 |
| ## 24  | -0.9999998 | -0.9999959 | -0.9999887 | -0.9999769 | -0.9999981 | -0.9999953 |
| ## 25  | -0.9999976 | -0.9999864 | -0.9999837 | -0.9999676 | -0.9999951 | -0.9999859 |
| ## 26  | -0.9999893 | -0.9999665 | -0.9999873 | -0.9999808 | -0.9999822 | -0.9999669 |
| ## 27  | -0.9999823 | -0.9999752 | -0.9999606 | -0.9999636 | -0.9999662 | -0.9999736 |

|       |            |            |            |            |            |            |
|-------|------------|------------|------------|------------|------------|------------|
| ## 28 | -0.9995604 | -0.9996075 | -0.9997509 | -0.9996444 | -0.9995619 | -0.9995997 |
| ## 29 | -0.9999706 | -0.9999734 | -0.9999746 | -0.9999565 | -0.9999689 | -0.9999725 |
| ## 30 | -0.9999872 | -0.9999824 | -0.9999876 | -0.9999729 | -0.9999893 | -0.9999825 |
| ## 31 | -0.9875128 | -0.9629332 | -0.9958917 | -0.9915390 | -0.9869917 | -0.9633787 |
| ## 32 | -0.9999672 | -0.9598945 | -0.9958911 | -0.9981001 | -0.9991190 | -0.9603303 |
| ## 33 | -0.9869638 | -0.9974301 | -0.9964953 | -0.9917641 | -0.9882852 | -0.9973044 |
| ## 34 | -0.9999474 | -0.9999871 | -0.9999779 | -0.9999496 | -0.9999324 | -0.9999863 |
| ## 35 | -0.9999935 | -0.9999948 | -0.9999908 | -0.9999936 | -0.9999923 | -0.9999946 |
| ## 36 | -0.9999951 | -0.9999884 | -0.9999897 | -0.9999889 | -0.9999947 | -0.9999884 |
| ## 37 | -0.9999919 | -0.9999980 | -0.9999930 | -0.9999875 | -0.9999843 | -0.9999979 |
| ## 38 | -0.9999982 | -0.9999955 | -0.9999928 | -0.9999869 | -0.9999904 | -0.9999954 |
| ## 39 | -0.9995549 | -0.9988432 | -0.9998247 | -0.9995291 | -0.9994920 | -0.9988554 |
| ## 40 | -0.9979891 | -0.9984095 | -0.9994439 | -0.9987493 | -0.9981731 | -0.9984138 |
| ## 41 | -0.9990965 | -0.9992247 | -0.9997994 | -0.9994649 | -0.9991703 | -0.9992286 |
| ## 42 | -0.9997956 | -0.9998246 | -0.9999446 | -0.9998645 | -0.9998005 | -0.9998254 |
| ## 43 | -0.9999783 | -0.9999732 | -0.9999803 | -0.9999813 | -0.9999798 | -0.9999729 |
| ## 44 | -0.9999994 | -0.9999971 | -0.9999972 | -0.9999919 | -0.9999966 | -0.9999973 |
| ## 45 | -0.9999990 | -0.9999918 | -0.9999879 | -0.9999813 | -0.9999905 | -0.9999916 |
| ## 46 | -0.9999936 | -0.9999969 | -0.9999844 | -0.9999768 | -0.9999868 | -0.9999968 |
| ## 47 | -0.9999922 | -0.9999978 | -0.9999835 | -0.9999762 | -0.9999875 | -0.9999974 |
| ## 48 | -0.9999928 | -0.9999957 | -0.9999918 | -0.9999807 | -0.9999917 | -0.9999957 |
| ## 49 | -0.9999915 | -0.9999964 | -0.9999919 | -0.9999755 | -0.9999817 | -0.9999962 |
| ## 50 | -0.9999951 | -0.9999953 | -0.9999926 | -0.9999798 | -0.9999880 | -0.9999953 |
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| ## 52 | -0.9994645 | -0.9989256 | -0.9995215 | -0.9994274 | -0.9993451 | -0.9989193 |
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| ## 54 | -0.9999197 | -0.9999341 | -0.9999636 | -0.9999064 | -0.9999255 | -0.9999336 |
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| ## 56 | -0.9999976 | -0.9999982 | -0.9999921 | -0.9999882 | -0.9999947 | -0.9999982 |
| ## 57 | -0.9999994 | -0.9999981 | -0.9999918 | -0.9999894 | -0.9999935 | -0.9999980 |
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| ## 60 | -0.9999983 | -0.9999980 | -0.9999973 | -0.9999940 | -0.9999964 | -0.9999981 |
| ## 61 | -0.9999993 | -0.9999988 | -0.9999998 | -0.9999929 | -0.9999930 | -0.9999990 |
| ## 62 | -0.9999985 | -0.9999975 | -0.9999910 | -0.9999751 | -0.9999890 | -0.9999973 |
| ## 63 | -0.9999995 | -0.9999963 | -0.9999896 | -0.9999708 | -0.9999920 | -0.9999959 |
| ## 64 | -0.9999996 | -0.9999975 | -0.9999971 | -0.9999922 | -0.9999939 | -0.9999975 |
| ## 65 | -0.9990230 | -0.9933987 | -0.9986225 | -0.9981414 | -0.9985496 | -0.9934884 |
| ## 66 | -0.9991937 | -0.9983892 | -0.9997724 | -0.9995416 | -0.9992115 | -0.9984074 |
| ## 67 | -0.9949412 | -0.8298765 | -0.9862868 | -0.9896959 | -0.9948496 | -0.8321192 |
| ## 68 | -0.9997572 | -0.8091965 | -0.9852567 | -0.9912987 | -0.9983226 | -0.8117462 |
| ## 69 | -0.9860467 | -0.9813797 | -0.9941966 | -0.9892876 | -0.9870581 | -0.9814474 |
| ## 70 | -0.4316324 | -0.9439529 | -0.8964525 | -0.6687753 | -0.4665329 | -0.9407492 |
| ## 71 | -0.9598615 | -0.5712891 | -0.9567163 | -0.9256467 | -0.9652799 | -0.5768652 |
| ## 72 | -0.4440564 | -0.6183315 | -0.8483721 | -0.5511874 | -0.5036432 | -0.6191109 |
| ## 73 | -0.9346636 | -0.9570647 | -0.9805757 | -0.9590777 | -0.9380521 | -0.9567554 |
| ## 74 | -0.9997444 | -0.9984328 | -0.9996701 | -0.9996362 | -0.9996175 | -0.9984443 |
| ## 75 | -0.9984674 | -0.9986904 | -0.9995040 | -0.9987631 | -0.9985853 | -0.9986941 |
| ## 76 | -0.9992087 | -0.9992247 | -0.9997840 | -0.9995098 | -0.9992620 | -0.9992294 |
| ## 77 | -0.9998070 | -0.9998029 | -0.9999016 | -0.9998353 | -0.9998312 | -0.9998017 |

|        |            |            |            |            |            |            |
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| ## 78  | -0.9999950 | -0.9999604 | -0.9999558 | -0.9999578 | -0.9999863 | -0.9999587 |
| ## 79  | -0.9680081 | -0.7722790 | -0.9058879 | -0.9498878 | -0.9667419 | -0.7708723 |
| ## 80  | -0.8036046 | -0.8290261 | -0.8354034 | -0.8207241 | -0.7892296 | -0.8222943 |
| ## 81  | -0.9998844 | -0.8564379 | -0.7986573 | -0.9535389 | -0.9770513 | -0.8470864 |
| ## 82  | -0.9967430 | -0.8072008 | -0.7609952 | -0.9362914 | -0.9814744 | -0.7971186 |
| ## 83  | -0.9997243 | -0.8217019 | -0.7108412 | -0.9394401 | -0.9837225 | -0.8067553 |
| ## 84  | -0.8801660 | -0.8920585 | -0.8100222 | -0.9018436 | -0.8149540 | -0.8830592 |
| ## 85  | -0.9735195 | -0.8845693 | -0.8554173 | -0.9280344 | -0.9610183 | -0.8781317 |
| ## 86  | -0.9448728 | -0.8699471 | -0.8342567 | -0.8843282 | -0.9209587 | -0.8627873 |
| ## 87  | -0.9599597 | -0.8623869 | -0.8745014 | -0.9386636 | -0.9589057 | -0.8575907 |
| ## 88  | -0.8645726 | -0.8657332 | -0.8675084 | -0.8688654 | -0.8447816 | -0.8610615 |
| ## 89  | -0.9796538 | -0.8894001 | -0.8337702 | -0.9328776 | -0.9728013 | -0.8816760 |
| ## 90  | -0.9904335 | -0.8845671 | -0.7546943 | -0.9575560 | -0.9884630 | -0.8714609 |
| ## 91  | -0.9933856 | -0.8569850 | -0.7196816 | -0.9395741 | -0.9837622 | -0.8421752 |
| ## 92  | -0.9962193 | -0.8698782 | -0.7191738 | -0.9329367 | -0.9906204 | -0.8548705 |
| ## 93  | -0.9994924 | -0.8941975 | -0.7832616 | -0.9317756 | -0.9902709 | -0.8826349 |
| ## 94  | -0.9988466 | -0.8680001 | -0.8483891 | -0.9295406 | -0.9956206 | -0.8614162 |
| ## 95  | -0.9878540 | -0.8437935 | -0.7641123 | -0.9438741 | -0.9718497 | -0.8318133 |
| ## 96  | -0.9777663 | -0.8435590 | -0.7970540 | -0.9175823 | -0.9564774 | -0.8346053 |
| ## 97  | -0.9854534 | -0.8641978 | -0.7183472 | -0.8986558 | -0.9785964 | -0.8491064 |
| ## 98  | -0.9335943 | -0.8914233 | -0.7586019 | -0.9414911 | -0.9057399 | -0.8787007 |
| ## 99  | -0.9311864 | -0.8614833 | -0.8251221 | -0.8876093 | -0.9348726 | -0.8533222 |
| ## 100 | -0.9998401 | -0.8763247 | -0.8055743 | -0.9547569 | -0.9896683 | -0.8658976 |
| ## 101 | -0.9850328 | -0.8920220 | -0.7040087 | -0.8495234 | -0.9662087 | -0.8758246 |
| ## 102 | -0.9790035 | -0.8888953 | -0.5477483 | -0.8036625 | -0.9619719 | -0.8628955 |
| ## 103 | -0.7672981 | -0.8744247 | -0.6188794 | -0.6752966 | -0.7590267 | -0.8560570 |
| ## 104 | -0.9036980 | -0.8684292 | -0.7248044 | -0.8815543 | -0.8830161 | -0.8551808 |
| ## 105 | -0.8482671 | -0.8911894 | -0.7965854 | -0.8459823 | -0.8370903 | -0.8826142 |
| ## 106 | -0.9077914 | -0.9086566 | -0.8112824 | -0.9342304 | -0.8951823 | -0.8992487 |
| ## 107 | -0.9767348 | -0.8904349 | -0.7952182 | -0.9329370 | -0.9727242 | -0.8796023 |
| ## 108 | -0.9997066 | -0.8810071 | -0.7353511 | -0.9295554 | -0.9854438 | -0.8657463 |
| ## 109 | -0.7508925 | -0.8695376 | -0.7443202 | -0.7877185 | -0.7327636 | -0.8570656 |
| ## 110 | -0.9983924 | -0.8649342 | -0.7177950 | -0.9159254 | -0.9832166 | -0.8503145 |
| ## 111 | -0.9241311 | -0.8854066 | -0.6862523 | -0.8680946 | -0.9155393 | -0.8686900 |
| ## 112 | -0.9130567 | -0.8714991 | -0.4933811 | -0.8453621 | -0.8843493 | -0.8411159 |
| ## 113 | -0.9982012 | -0.8683722 | -0.6949350 | -0.9347453 | -0.9655376 | -0.8515951 |
| ## 114 | -0.9991246 | -0.8797607 | -0.7010027 | -0.9681419 | -0.9664590 | -0.8638187 |
| ## 115 | -0.9391565 | -0.8570921 | -0.8244908 | -0.8702896 | -0.9444764 | -0.8492860 |
| ## 116 | -0.9903696 | -0.8569465 | -0.7945529 | -0.9306083 | -0.9844083 | -0.8474240 |
| ## 117 | -0.7905719 | -0.8850764 | -0.8113895 | -0.8152970 | -0.7908707 | -0.8771400 |
| ## 118 | -0.9890813 | -0.8923017 | -0.8377002 | -0.9198052 | -0.9701171 | -0.8851549 |
| ## 119 | -0.9364598 | -0.8885544 | -0.8552542 | -0.9221241 | -0.9044993 | -0.8824354 |
| ## 120 | -0.9997379 | -0.9104854 | -0.8815908 | -0.9610506 | -0.9707317 | -0.9046065 |
| ## 121 | -0.9831662 | -0.9044437 | -0.8612493 | -0.9331369 | -0.9670597 | -0.8975264 |
| ## 122 | -0.9676349 | -0.8764609 | -0.7855516 | -0.9155349 | -0.9317298 | -0.8643488 |
| ## 123 | -0.9874414 | -0.8317367 | -0.7877574 | -0.9348718 | -0.9491959 | -0.8214723 |
| ## 124 | -0.9197950 | -0.8310282 | -0.8157028 | -0.8866599 | -0.9013849 | -0.8234108 |
| ## 125 | -0.9562544 | -0.8901883 | -0.8455432 | -0.9185835 | -0.9484194 | -0.8831621 |
| ## 126 | -0.9981175 | -0.9622262 | -0.7805239 | -0.9478953 | -0.9915138 | -0.9508448 |
| ## 127 | -0.9999345 | -0.9730779 | -0.8366716 | -0.9653709 | -0.9902027 | -0.9634276 |

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|--------|------------|------------|------------|------------|------------|------------|
| ## 128 | -0.9048146 | -0.7930832 | -0.8389458 | -0.9014326 | -0.9001723 | -0.7878066 |
| ## 129 | -0.9663279 | -0.7328204 | -0.8074464 | -0.9384512 | -0.9569381 | -0.7257120 |
| ## 130 | -0.9994870 | -0.9014896 | -0.8740704 | -0.9626140 | -0.9922125 | -0.8958234 |
| ## 131 | -0.9910502 | -0.7146508 | -0.8599020 | -0.9264696 | -0.9814394 | -0.7131720 |
| ## 132 | -0.9199852 | -0.6394069 | -0.8387357 | -0.8941779 | -0.9063897 | -0.6376002 |
| ## 133 | -0.9995689 | -0.9705533 | -0.9039695 | -0.9648840 | -0.9833616 | -0.9654225 |
| ## 134 | -0.9665530 | -0.9729507 | -0.9216145 | -0.9401761 | -0.9759229 | -0.9688719 |
| ## 135 | -0.8656949 | -0.9394686 | -0.8779482 | -0.8739274 | -0.8612668 | -0.9335316 |
| ## 136 | -0.9764012 | -0.9471312 | -0.9336552 | -0.9446252 | -0.9755796 | -0.9443709 |
| ## 137 | -0.9961395 | -0.7684928 | -0.9036941 | -0.9461642 | -0.9923636 | -0.7674376 |
| ## 138 | -0.8616041 | -0.5813204 | -0.8877293 | -0.8747510 | -0.8532876 | -0.5827492 |
| ## 139 | -0.4283423 | -0.8066332 | -0.8844389 | -0.6289964 | -0.4479537 | -0.8056356 |
| ## 140 | -0.9569285 | -0.7086509 | -0.8688045 | -0.9403340 | -0.9541865 | -0.7063724 |
| ## 141 | -0.4251602 | -0.7565416 | -0.6364946 | -0.5152132 | -0.4804951 | -0.7436978 |
| ## 142 | -0.9707289 | -0.9656142 | -0.8975229 | -0.9337193 | -0.9614136 | -0.9603102 |
| ## 143 | -0.9802442 | -0.9498626 | -0.7920477 | -0.9400927 | -0.9788230 | -0.9388599 |
| ## 144 | -0.8988713 | -0.9376541 | -0.7302079 | -0.9006711 | -0.8883365 | -0.9224595 |
| ## 145 | -0.9376533 | -0.7648497 | -0.7714469 | -0.8929514 | -0.9397907 | -0.7558710 |
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| ## 150 | -0.9959979 | -0.9554256 | -0.9220384 | -0.9811870 | -0.9890180 | -0.9516009 |
| ## 151 | -0.9872006 | -0.9536905 | -0.9418759 | -0.9607232 | -0.9837432 | -0.9509710 |
| ## 152 | -0.9952855 | -0.9670169 | -0.9657525 | -0.9815648 | -0.9935768 | -0.9654857 |
| ## 153 | -0.9612674 | -0.7884185 | -0.9495187 | -0.9529735 | -0.9623572 | -0.7898608 |
| ## 154 | -0.9613855 | -0.6775074 | -0.9389195 | -0.9633462 | -0.9539298 | -0.6799869 |
| ## 155 | -0.9889569 | -0.8924295 | -0.9682415 | -0.9818330 | -0.9820932 | -0.8925933 |
| ## 156 | -0.9781543 | -0.9226581 | -0.9609558 | -0.9654956 | -0.9770007 | -0.9221215 |
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| ## 160 | -0.9745370 | -0.9449528 | -0.9342904 | -0.9489191 | -0.9643655 | -0.9422405 |
| ## 161 | -0.9851619 | -0.8267277 | -0.9226172 | -0.9518043 | -0.9820827 | -0.8254104 |
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| ## 165 | -0.8555262 | -0.9195652 | -0.9310141 | -0.9064732 | -0.8709787 | -0.9175371 |
| ## 166 | -0.9968051 | -0.9717833 | -0.9797623 | -0.9780101 | -0.9966153 | -0.9713116 |
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| ## 170 | -0.9976394 | -0.8434436 | -0.9463700 | -0.9576140 | -0.9915116 | -0.8430180 |
| ## 171 | -0.9464366 | -0.6626568 | -0.9424477 | -0.9326655 | -0.9495686 | -0.6656251 |
| ## 172 | -0.9964757 | -0.9328903 | -0.9523607 | -0.9782983 | -0.9932896 | -0.9317288 |
| ## 173 | -0.9996387 | -0.8911749 | -0.9421660 | -0.9746494 | -0.9937065 | -0.8896813 |
| ## 174 | -0.9154374 | -0.8243406 | -0.9425247 | -0.9494485 | -0.9182884 | -0.8247399 |
| ## 175 | -0.9998565 | -0.9738080 | -0.9611829 | -0.9892933 | -0.9972493 | -0.9719458 |
| ## 176 | -0.9055428 | -0.9460545 | -0.8994819 | -0.9275066 | -0.9102288 | -0.9411617 |
| ## 177 | -0.9996025 | -0.9994095 | -0.9999371 | -0.9998232 | -0.9992995 | -0.9994169 |

| ##    | NA         | NA          | NA         | NA         | NA         | NA         |
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| ## 2  | -0.9999080 | -0.99985638 | -0.9999885 | -0.9999957 | -0.9999942 | -0.9999861 |
| ## 3  | -0.9999035 | -0.99995441 | -0.9999876 | -0.9999901 | -0.9999943 | -0.9999730 |
| ## 4  | -0.9999461 | -0.99993054 | -0.9999892 | -0.9999924 | -0.9999925 | -0.9999859 |
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| ## 10 | -0.9999332 | -0.99987183 | -0.9999330 | -0.9999899 | -0.9999885 | -0.9999853 |
| ## 11 | -0.9999353 | -0.99988310 | -0.9999461 | -0.9999917 | -0.9999934 | -0.9999769 |
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| ## 14 | -0.9999857 | -0.99998896 | -0.9999958 | -0.9999972 | -0.9999961 | -0.9999960 |
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| ## 16 | -0.9999765 | -0.99895934 | -0.9999619 | -0.9999838 | -0.9999559 | -0.9999458 |
| ## 17 | -0.9999761 | -0.99966275 | -0.9999829 | -0.9999939 | -0.9999789 | -0.9999744 |
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| ## 22 | -0.9999873 | -0.99999643 | -0.9999967 | -0.9999967 | -0.9999960 | -0.9999982 |
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|       |            |             |            |            |            |            |
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## 141 -0.6605515 -0.60518872 -0.8872861 -0.8554202 -0.7934541 -0.7455901  
## 142 -0.9532092 -0.64744371 -0.8362345 -0.8749888 -0.8300546 -0.8868089  
## 143 -0.9240384 -0.61348151 -0.8434065 -0.9049599 -0.9000048 -0.9242829  
## 144 -0.9180007 -0.62499337 -0.8296200 -0.9019078 -0.8906163 -0.8852161  
## 145 -0.9039388 -0.57674842 -0.8697898 -0.8374123 -0.7825785 -0.7888103  
## 146 -0.9133661 -0.39968222 -0.9185786 -0.8248800 -0.6323752 -0.4551095  
## 147 -0.9245999 -0.53081676 -0.9143590 -0.9013554 -0.7756752 -0.6499949  
## 148 -0.9330823 -0.57244162 -0.9424251 -0.7862747 -0.8890801 -0.9247587  
## 149 -0.9418907 -0.63437301 -0.9122969 -0.7767608 -0.8234609 -0.9212272

|        |            |             |            |            |            |            |
|--------|------------|-------------|------------|------------|------------|------------|
| ## 150 | -0.9762802 | -0.65672477 | -0.8950774 | -0.8909236 | -0.8905594 | -0.9617624 |
| ## 151 | -0.9774347 | -0.27992525 | -0.9253474 | -0.8762405 | -0.9833173 | -0.9851689 |
| ## 152 | -0.9887564 | -0.30611387 | -0.8974240 | -0.9280210 | -0.9695822 | -0.9811853 |
| ## 153 | -0.9541065 | -0.28257830 | -0.8981430 | -0.9663887 | -0.9770754 | -0.9817966 |
| ## 154 | -0.9609048 | -0.23359899 | -0.9061529 | -0.9531832 | -0.9604448 | -0.9725460 |
| ## 155 | -0.9823960 | -0.25477496 | -0.9279760 | -0.8953933 | -0.9637152 | -0.9558701 |
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| ## 157 | -0.9706750 | -0.31358401 | -0.8964859 | -0.9234451 | -0.9450713 | -0.9819905 |
| ## 158 | -0.9816344 | -0.25746278 | -0.9176036 | -0.8852462 | -0.9726687 | -0.9925526 |
| ## 159 | -0.9700096 | -0.24016970 | -0.9618918 | -0.9271455 | -0.9679691 | -0.9916879 |
| ## 160 | -0.9643200 | -0.27151732 | -0.9267876 | -0.9279882 | -0.9833227 | -0.9906059 |
| ## 161 | -0.9609923 | -0.09549240 | -0.9250953 | -0.9238474 | -0.9702089 | -0.9857079 |
| ## 162 | -0.9339063 | -0.07700692 | -0.9424579 | -0.9208970 | -0.9719617 | -0.9687635 |
| ## 163 | -0.9395994 | -0.37562489 | -0.9682130 | -0.9518852 | -0.9744807 | -0.9857223 |
| ## 164 | -0.9829561 | -0.47237767 | -0.9422919 | -0.9610591 | -0.9681988 | -0.9704458 |
| ## 165 | -0.9397794 | -0.36478785 | -0.9527573 | -0.9693888 | -0.9769794 | -0.9651160 |
| ## 166 | -0.9827614 | -0.30506153 | -0.9603944 | -0.9580030 | -0.9869078 | -0.9671008 |
| ## 167 | -0.9642829 | -0.34119040 | -0.9440588 | -0.9563522 | -0.9924071 | -0.9900801 |
| ## 168 | -0.9744126 | -0.22453187 | -0.9674198 | -0.9713054 | -0.9823337 | -0.9941001 |
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| ## 170 | -0.9739797 | -0.14154326 | -0.9485667 | -0.9533440 | -0.9843704 | -0.9775278 |
| ## 171 | -0.9521863 | -0.15036944 | -0.9698107 | -0.9518922 | -0.9710001 | -0.9840610 |
| ## 172 | -0.9697332 | -0.40077873 | -0.9689822 | -0.9643448 | -0.9685633 | -0.9786748 |
| ## 173 | -0.9779585 | -0.59086302 | -0.9256576 | -0.9769899 | -0.9684763 | -0.9711268 |
| ## 174 | -0.9518433 | -0.38559310 | -0.9537140 | -0.9638370 | -0.9737492 | -0.9853422 |
| ## 175 | -0.9884958 | -0.26097843 | -0.9471017 | -0.9709389 | -0.9863790 | -0.9897838 |
| ## 176 | -0.9529063 | -0.26431907 | -0.9640817 | -0.9604267 | -0.9846180 | -0.9960760 |
| ## 177 | -0.9999134 | -0.99665055 | -0.9998655 | -0.9999331 | -0.9998741 | -0.9997407 |
| ##     | NA         | NA          | NA         | NA         | NA         | NA         |
| ## 1   | -0.9998066 | -0.9983460  | -0.9989612 | -0.9996187 | -0.9999893 | -0.9999354 |
| ## 2   | -0.9999845 | -0.9999800  | -0.9999900 | -0.9998966 | -0.9999945 | -0.9999860 |
| ## 3   | -0.9999428 | -0.9999866  | -0.9999933 | -0.9999620 | -0.9999893 | -0.9999670 |
| ## 4   | -0.9999541 | -0.9999898  | -0.9999883 | -0.9999470 | -0.9999908 | -0.9999796 |
| ## 5   | -0.9999737 | -0.9999740  | -0.9999720 | -0.9999462 | -0.9999934 | -0.9999681 |
| ## 6   | -0.9999921 | -0.9999660  | -0.9999886 | -0.9999445 | -0.9999900 | -0.9999729 |
| ## 7   | -0.9999453 | -0.9999663  | -0.9999877 | -0.9999016 | -0.9999910 | -0.9999809 |
| ## 8   | -0.9999351 | -0.9999556  | -0.9999421 | -0.9998725 | -0.9999896 | -0.9999672 |
| ## 9   | -0.9999442 | -0.9999097  | -0.9999023 | -0.9999552 | -0.9999892 | -0.9999681 |
| ## 10  | -0.9999540 | -0.9999570  | -0.9999759 | -0.9998709 | -0.9999874 | -0.9999791 |
| ## 11  | -0.9999217 | -0.9998782  | -0.9998851 | -0.9998871 | -0.9999905 | -0.9999657 |
| ## 12  | -0.9999887 | -0.9999851  | -1.0000000 | -0.9999769 | -0.9999947 | -0.9999911 |
| ## 13  | -0.9999968 | -0.9999794  | -0.9999995 | -0.9999868 | -0.9999972 | -0.9999961 |
| ## 14  | -0.9999821 | -0.9999821  | -0.9999914 | -0.9999906 | -0.9999964 | -0.9999935 |
| ## 15  | -0.9993666 | -0.9975847  | -0.9971434 | -0.9978832 | -0.9998991 | -0.9997028 |
| ## 16  | -0.9999207 | -0.9995783  | -0.9995160 | -0.9992753 | -0.9999717 | -0.9999405 |
| ## 17  | -0.9999217 | -0.9998357  | -0.9997942 | -0.9997626 | -0.9999882 | -0.9999637 |
| ## 18  | -0.9999853 | -0.9999628  | -0.9999569 | -0.9999095 | -0.9999923 | -0.9999838 |
| ## 19  | -0.9999983 | -0.9999937  | -0.9999991 | -0.9999901 | -0.9999980 | -0.9999946 |
| ## 20  | -0.9999962 | -0.9999938  | -0.9999990 | -0.9999882 | -0.9999995 | -0.9999965 |
| ## 21  | -0.9999917 | -0.9999912  | -0.9999999 | -0.9999936 | -0.9999971 | -0.9999952 |



|       |            |            |            |            |            |            |
|-------|------------|------------|------------|------------|------------|------------|
| ## 22 | -0.9999853 | -0.9999876 | -0.9999999 | -0.9999963 | -0.9999959 | -0.9999960 |
| ## 23 | -0.9999886 | -0.9999860 | -0.9999946 | -0.9999900 | -0.9999972 | -0.9999940 |
| ## 24 | -0.9999929 | -0.9999765 | -0.9999998 | -0.9999944 | -0.9999956 | -0.9999941 |
| ## 25 | -0.9999930 | -0.9999841 | -0.9999999 | -0.9999918 | -0.9999949 | -0.9999933 |
| ## 26 | -0.9999820 | -0.9999901 | -0.9999954 | -0.9999900 | -0.9999957 | -0.9999914 |
| ## 27 | -0.9999784 | -0.9999805 | -0.9999999 | -0.9999917 | -0.9999940 | -0.9999856 |
| ## 28 | -0.9995424 | -0.9994214 | -0.9988530 | -0.9995545 | -0.9998481 | -0.9997565 |
| ## 29 | -0.9998570 | -0.9996729 | -0.9995285 | -0.9995780 | -0.9999756 | -0.9999356 |
| ## 30 | -0.9998772 | -0.9997658 | -0.9996561 | -0.9996604 | -0.9999839 | -0.9999496 |
| ## 31 | -0.9977298 | -0.9972579 | -0.9973146 | -0.8502311 | -0.9964007 | -0.9984354 |
| ## 32 | -0.9976879 | -0.9963502 | -0.9987632 | -0.8441869 | -0.9955598 | -0.9982966 |
| ## 33 | -0.9981039 | -0.9962338 | -0.9969440 | -0.9937927 | -0.9992712 | -0.9991964 |
| ## 34 | -0.9995819 | -0.9985282 | -0.9986480 | -0.9997333 | -0.9998829 | -0.9998220 |
| ## 35 | -0.9999294 | -0.9999607 | -0.9999693 | -0.9999338 | -0.9999711 | -0.9999715 |
| ## 36 | -0.9999602 | -0.9999415 | -0.9999559 | -0.9999735 | -0.9999834 | -0.9999569 |
| ## 37 | -0.9999639 | -0.9999569 | -0.9999922 | -0.9999581 | -0.9999837 | -0.9999676 |
| ## 38 | -0.9999725 | -0.9999922 | -0.9999964 | -0.9999742 | -0.9999785 | -0.9999792 |
| ## 39 | -0.9997176 | -0.9995954 | -0.9996330 | -0.9995133 | -0.9999569 | -0.9998391 |
| ## 40 | -0.9999179 | -0.9998943 | -0.9998874 | -0.9999029 | -0.9999796 | -0.9999437 |
| ## 41 | -0.9999696 | -0.9999830 | -0.9999968 | -0.9998950 | -0.9999867 | -0.9999839 |
| ## 42 | -0.9999514 | -0.9999643 | -0.9999965 | -0.9999632 | -0.9999848 | -0.9999792 |
| ## 43 | -0.9999593 | -0.9999686 | -0.9999982 | -0.9999736 | -0.9999885 | -0.9999800 |
| ## 44 | -0.9999870 | -0.9999677 | -0.9999781 | -0.9999815 | -0.9999889 | -0.9999766 |
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| ## 47 | -0.9999705 | -0.9999741 | -0.9999932 | -0.9999745 | -0.9999922 | -0.9999824 |
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| ## 51 | -0.9999718 | -0.9999558 | -0.9999401 | -0.9999562 | -0.9999918 | -0.9999695 |
| ## 52 | -0.9996734 | -0.9998916 | -0.9999278 | -0.9974114 | -0.9995483 | -0.9997411 |
| ## 53 | -0.9999743 | -0.9999540 | -0.9999675 | -0.9999479 | -0.9999957 | -0.9999866 |
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| ## 55 | -0.9999877 | -0.9999906 | -0.9999999 | -0.9999706 | -0.9999977 | -0.9999953 |
| ## 56 | -0.9999878 | -0.9999928 | -0.9999995 | -0.9999748 | -0.9999966 | -0.9999959 |
| ## 57 | -0.9999876 | -0.9999753 | -0.9999983 | -0.9999695 | -0.9999969 | -0.9999942 |
| ## 58 | -0.9999887 | -0.9999699 | -0.9999912 | -0.9999662 | -0.9999964 | -0.9999866 |
| ## 59 | -0.9999768 | -0.9999910 | -0.9999943 | -0.9999605 | -0.9999977 | -0.9999883 |
| ## 60 | -0.9999873 | -0.9999904 | -0.9999977 | -0.9999760 | -0.9999987 | -0.9999955 |
| ## 61 | -0.9999894 | -0.9999933 | -0.9999976 | -0.9999783 | -0.9999974 | -0.9999938 |
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| ## 63 | -0.9999750 | -0.9999830 | -0.9999889 | -0.9999698 | -0.9999974 | -0.9999889 |
| ## 64 | -0.9999896 | -0.9999844 | -0.9999986 | -0.9999646 | -0.9999959 | -0.9999923 |
| ## 65 | -0.9959687 | -0.9991904 | -0.9995381 | -0.9964049 | -0.9985914 | -0.9982073 |
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| ## 69 | -0.9986226 | -0.9987923 | -0.9979458 | -0.9967258 | -0.9995041 | -0.9990637 |
| ## 70 | -0.9935911 | -0.9776573 | -0.9846957 | -0.9745280 | -0.9946881 | -0.9943848 |
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|        |            |            |            |            |            |            |
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| ## 72  | -0.9751646 | -0.9742741 | -0.9866525 | -0.9702617 | -0.9594441 | -0.9883722 |
| ## 73  | -0.9972503 | -0.9957909 | -0.9944107 | -0.9888024 | -0.9978408 | -0.9987039 |
| ## 74  | -0.9998353 | -0.9997854 | -0.9997358 | -0.9998687 | -0.9998406 | -0.9999116 |
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| ## 79  | -0.9425768 | -0.9178933 | -0.8987908 | -0.6461809 | -0.8408698 | -0.9684413 |
| ## 80  | -0.9335242 | -0.9687417 | -0.9910100 | -0.5648108 | -0.8850822 | -0.9589186 |
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| ## 83  | -0.7113733 | -0.8723954 | -0.9732509 | -0.3749846 | -0.7448782 | -0.8786345 |
| ## 84  | -0.8506517 | -0.6697234 | -0.7382913 | -0.4751678 | -0.8199966 | -0.8700708 |
| ## 85  | -0.8542356 | -0.8820685 | -0.9811635 | -0.6077953 | -0.8401406 | -0.9170074 |
| ## 86  | -0.6763200 | -0.8021146 | -0.9704230 | -0.5664344 | -0.8390699 | -0.8830257 |
| ## 87  | -0.9278666 | -0.8880934 | -0.8800862 | -0.6371621 | -0.9091999 | -0.9295602 |
| ## 88  | -0.8845502 | -0.8129426 | -0.8280181 | -0.5590359 | -0.9045500 | -0.9092380 |
| ## 89  | -0.7817720 | -0.7474157 | -0.8640064 | -0.5729212 | -0.9021861 | -0.8832404 |
| ## 90  | -0.7757628 | -0.4949443 | -0.5332762 | -0.5868246 | -0.8166878 | -0.8646907 |
| ## 91  | -0.8702624 | -0.9618982 | -0.9970570 | -0.4663301 | -0.8149096 | -0.8719491 |
| ## 92  | -0.8351541 | -0.8009621 | -0.8419521 | -0.4653136 | -0.8197319 | -0.8530074 |
| ## 93  | -0.9142777 | -0.9298950 | -0.9311530 | -0.5643867 | -0.8233437 | -0.8454163 |
| ## 94  | -0.8705098 | -0.9531801 | -0.9753006 | -0.5467633 | -0.7997755 | -0.9099129 |
| ## 95  | -0.8813743 | -0.9062537 | -0.9989796 | -0.5473335 | -0.7635986 | -0.9297495 |
| ## 96  | -0.7331888 | -0.6508353 | -0.5783917 | -0.5646715 | -0.7514641 | -0.8258944 |
| ## 97  | -0.7345387 | -0.6549814 | -0.6031929 | -0.5133551 | -0.7074694 | -0.7762950 |
| ## 98  | -0.8714403 | -0.6990644 | -0.8467410 | -0.5179429 | -0.7640345 | -0.8823830 |
| ## 99  | -0.7877910 | -0.6854054 | -0.8444750 | -0.4774024 | -0.7984846 | -0.9368148 |
| ## 100 | -0.8060983 | -0.8956297 | -0.8648932 | -0.5019856 | -0.8661986 | -0.9378108 |
| ## 101 | -0.8488444 | -0.7270676 | -0.8139481 | -0.5931491 | -0.8283020 | -0.8993475 |
| ## 102 | -0.6379109 | -0.7496250 | -0.8767864 | -0.5455082 | -0.7034720 | -0.6664119 |
| ## 103 | -0.7310158 | -0.7330126 | -0.9783981 | -0.4907394 | -0.7376500 | -0.7547308 |
| ## 104 | -0.8112101 | -0.7478820 | -0.9320188 | -0.4447505 | -0.7735403 | -0.8764601 |
| ## 105 | -0.7121619 | -0.7487817 | -0.8758103 | -0.4936287 | -0.8253967 | -0.8532631 |
| ## 106 | -0.8734803 | -0.8758651 | -0.9870476 | -0.5570444 | -0.8785246 | -0.8846912 |
| ## 107 | -0.7816597 | -0.8023833 | -0.8986338 | -0.5000486 | -0.8542269 | -0.8765777 |
| ## 108 | -0.7520486 | -0.7926572 | -0.9975681 | -0.4740600 | -0.8452362 | -0.8898101 |
| ## 109 | -0.8799726 | -0.8806226 | -0.9943673 | -0.4717458 | -0.8494139 | -0.9084618 |
| ## 110 | -0.8045207 | -0.8311501 | -0.8615884 | -0.4696916 | -0.7918371 | -0.8853908 |
| ## 111 | -0.8906573 | -0.8138580 | -0.7968672 | -0.5506559 | -0.7099220 | -0.9242862 |
| ## 112 | -0.7403445 | -0.8869384 | -0.9743133 | -0.5329403 | -0.7918095 | -0.8646143 |
| ## 113 | -0.8354039 | -0.9025403 | -0.9994515 | -0.5428800 | -0.8790952 | -0.8897841 |
| ## 114 | -0.6543757 | -0.6177872 | -0.5235234 | -0.5659559 | -0.8373905 | -0.8181541 |
| ## 115 | -0.8103030 | -0.8157039 | -0.9516007 | -0.5072730 | -0.8179932 | -0.8738990 |
| ## 116 | -0.6935109 | -0.5227234 | -0.5893109 | -0.5460205 | -0.8054398 | -0.8297172 |
| ## 117 | -0.8305474 | -0.8766056 | -0.9671812 | -0.5897661 | -0.8237482 | -0.8948655 |
| ## 118 | -0.8791046 | -0.9170994 | -0.9389930 | -0.6034059 | -0.8761256 | -0.9023277 |
| ## 119 | -0.7078233 | -0.9172156 | -0.9326275 | -0.6086198 | -0.8687372 | -0.8648389 |
| ## 120 | -0.8731440 | -0.8238744 | -0.8580756 | -0.6005574 | -0.8443057 | -0.9350839 |
| ## 121 | -0.9011748 | -0.9306758 | -0.9999649 | -0.6223869 | -0.8687819 | -0.9430492 |

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| ## 122 | -0.8713783 | -0.8344982 | -0.8396744 | -0.6100160 | -0.8614742 | -0.9244271 |
| ## 123 | -0.7954311 | -0.8424602 | -0.7374403 | -0.5559624 | -0.8465050 | -0.9222718 |
| ## 124 | -0.7943069 | -0.7359285 | -0.8140483 | -0.5384984 | -0.8342033 | -0.9140227 |
| ## 125 | -0.7333702 | -0.7568056 | -0.7235310 | -0.5853184 | -0.8111020 | -0.9100873 |
| ## 126 | -0.7781954 | -0.9202006 | -0.9999142 | -0.7939684 | -0.8961155 | -0.9017095 |
| ## 127 | -0.7139568 | -0.8596119 | -0.9986451 | -0.7158679 | -0.7934417 | -0.6054594 |
| ## 128 | -0.2535981 | -0.7987805 | -0.9968503 | -0.7223552 | -0.7087712 | -0.5217202 |
| ## 129 | -0.6316778 | -0.6483171 | -0.9311486 | -0.7090994 | -0.8071406 | -0.8206536 |
| ## 130 | -0.8569376 | -0.9010644 | -0.9730506 | -0.7216744 | -0.8328091 | -0.9258577 |
| ## 131 | -0.7865576 | -0.8937393 | -0.9892437 | -0.6612403 | -0.7173850 | -0.8992325 |
| ## 132 | -0.6558532 | -0.5317991 | -0.7035582 | -0.6293997 | -0.7462939 | -0.8649787 |
| ## 133 | -0.6749072 | -0.7673167 | -0.9804134 | -0.7461470 | -0.8592247 | -0.8563745 |
| ## 134 | -0.7722171 | -0.5299029 | -0.8379350 | -0.7799061 | -0.8034091 | -0.8664652 |
| ## 135 | -0.5323953 | -0.2870149 | -0.5740253 | -0.6378850 | -0.6291913 | -0.7276803 |
| ## 136 | -0.7060392 | -0.8011338 | -0.9949571 | -0.6011787 | -0.7356466 | -0.7407723 |
| ## 137 | -0.5556833 | -0.5487393 | -0.5105263 | -0.5711764 | -0.6673359 | -0.5854484 |
| ## 138 | -0.7252574 | -0.8689386 | -0.9548976 | -0.5133593 | -0.7136870 | -0.7313021 |
| ## 139 | -0.5357027 | -0.6438564 | -0.5821292 | -0.5265228 | -0.6715657 | -0.6308941 |
| ## 140 | -0.6274470 | -0.5419106 | -0.9117822 | -0.5257430 | -0.7114442 | -0.7443617 |
| ## 141 | -0.3911906 | -0.3312185 | -0.3670563 | -0.6608568 | -0.8022236 | -0.6702064 |
| ## 142 | -0.8836912 | -0.6376508 | -0.8869542 | -0.6561073 | -0.8316085 | -0.8850126 |
| ## 143 | -0.8495302 | -0.8367986 | -0.9952592 | -0.6379036 | -0.8808184 | -0.9081574 |
| ## 144 | -0.7967032 | -0.7650763 | -0.9369069 | -0.6366890 | -0.8751217 | -0.8658655 |
| ## 145 | -0.6902012 | -0.8841785 | -0.9775558 | -0.6303282 | -0.7820839 | -0.7664011 |
| ## 146 | -0.4196999 | -0.7215217 | -0.7484231 | -0.5428327 | -0.7249035 | -0.4422706 |
| ## 147 | -0.6092427 | -0.8032056 | -0.8827694 | -0.6283861 | -0.8398210 | -0.6380499 |
| ## 148 | -0.9101399 | -0.9675689 | -0.9961882 | -0.6746664 | -0.7664686 | -0.9209881 |
| ## 149 | -0.8809356 | -0.8954840 | -0.9405966 | -0.6967733 | -0.7377094 | -0.9121479 |
| ## 150 | -0.9414800 | -0.7624329 | -0.9600257 | -0.7006249 | -0.8648275 | -0.9572067 |
| ## 151 | -0.9494747 | -0.9713848 | -0.9987254 | -0.4665980 | -0.8791604 | -0.9776871 |
| ## 152 | -0.9262925 | -0.9420808 | -0.9975069 | -0.4660718 | -0.9234505 | -0.9697199 |
| ## 153 | -0.9609164 | -0.9610384 | -0.9834381 | -0.4506921 | -0.9616155 | -0.9773228 |
| ## 154 | -0.9274934 | -0.8927583 | -0.8621837 | -0.4229217 | -0.9442274 | -0.9630132 |
| ## 155 | -0.8941641 | -0.7532237 | -0.7008494 | -0.4513729 | -0.8911480 | -0.9427468 |
| ## 156 | -0.8620870 | -0.4976739 | -0.3692976 | -0.5080524 | -0.9106078 | -0.8890947 |
| ## 157 | -0.9670757 | -0.9506732 | -0.9726789 | -0.4704916 | -0.9117517 | -0.9787438 |
| ## 158 | -0.9594277 | -0.9240196 | -0.9894627 | -0.4464370 | -0.8843637 | -0.9856739 |
| ## 159 | -0.9417375 | -0.9674270 | -0.9999620 | -0.4635956 | -0.9221432 | -0.9813448 |
| ## 160 | -0.9574160 | -0.9655348 | -0.9928758 | -0.4618733 | -0.9275779 | -0.9836940 |
| ## 161 | -0.9746124 | -0.9812721 | -0.9997714 | -0.3422486 | -0.9197352 | -0.9832836 |
| ## 162 | -0.9292444 | -0.8850004 | -0.8774557 | -0.3410934 | -0.9175052 | -0.9603285 |
| ## 163 | -0.9841165 | -0.9654645 | -0.9962552 | -0.5589136 | -0.9472606 | -0.9852470 |
| ## 164 | -0.9538478 | -0.9286463 | -0.9544051 | -0.6072030 | -0.9539428 | -0.9667355 |
| ## 165 | -0.9634434 | -0.9272802 | -0.9653152 | -0.5415650 | -0.9643934 | -0.9644165 |
| ## 166 | -0.9619563 | -0.8960167 | -0.8938861 | -0.5063159 | -0.9567452 | -0.9657085 |
| ## 167 | -0.9706047 | -0.9703305 | -0.9933483 | -0.5200189 | -0.9568650 | -0.9859794 |
| ## 168 | -0.9805951 | -0.9885988 | -0.9929800 | -0.4566612 | -0.9678070 | -0.9912667 |
| ## 169 | -0.9855795 | -0.9869904 | -0.9983911 | -0.4549695 | -0.9526533 | -0.9876916 |
| ## 170 | -0.9746823 | -0.9380600 | -0.9502624 | -0.3885209 | -0.9516183 | -0.9767142 |
| ## 171 | -0.9346920 | -0.8810364 | -0.8416190 | -0.4082798 | -0.9462138 | -0.9737594 |

|        |            |            |            |            |            |            |
|--------|------------|------------|------------|------------|------------|------------|
| ## 172 | -0.9454859 | -0.9027505 | -0.9049087 | -0.5763508 | -0.9571272 | -0.9716412 |
| ## 173 | -0.9242812 | -0.8662305 | -0.8145654 | -0.6761655 | -0.9689318 | -0.9612113 |
| ## 174 | -0.9730775 | -0.9829368 | -0.9985478 | -0.5561961 | -0.9582215 | -0.9826740 |
| ## 175 | -0.9874074 | -0.9826425 | -0.9935070 | -0.4679882 | -0.9686882 | -0.9891918 |
| ## 176 | -0.9908187 | -0.9724350 | -0.9941734 | -0.4812805 | -0.9583199 | -0.9949566 |
| ## 177 | -0.9988893 | -0.9986027 | -0.9990396 | -0.9976580 | -0.9998996 | -0.9995636 |
| ##     | NA         | NA         | NA         | NA         | NA         | NA         |
| ## 1   | -0.9983875 | -0.9996426 | -0.9999727 | -0.9999554 | -0.9999763 | -0.9999058 |
| ## 2   | -0.9999817 | -0.9999026 | -0.9999917 | -0.9999089 | -0.9999594 | -0.9999281 |
| ## 3   | -0.9999877 | -0.9999606 | -0.9999858 | -0.9998701 | -0.9999346 | -0.9999347 |
| ## 4   | -0.9999878 | -0.9999478 | -0.9999884 | -0.9998773 | -0.9999685 | -0.9999566 |
| ## 5   | -0.9999696 | -0.9999490 | -0.9999816 | -0.9998711 | -0.9999554 | -0.9999962 |
| ## 6   | -0.9999712 | -0.9999463 | -0.9999799 | -0.9998227 | -0.9998868 | -0.9999526 |
| ## 7   | -0.9999710 | -0.9999058 | -0.9999882 | -0.9997418 | -0.9998353 | -0.9999501 |
| ## 8   | -0.9999437 | -0.9998787 | -0.9999805 | -0.9996948 | -0.9999082 | -0.9999746 |
| ## 9   | -0.9998942 | -0.9999555 | -0.9999801 | -0.9998883 | -0.9999321 | -0.9999462 |
| ## 10  | -0.9999594 | -0.9998760 | -0.9999851 | -0.9998285 | -0.9997467 | -0.9998552 |
| ## 11  | -0.9998646 | -0.9998918 | -0.9999847 | -0.9998117 | -0.9998026 | -0.9998603 |
| ## 12  | -0.9999896 | -0.9999770 | -0.9999945 | -0.9999820 | -0.9999706 | -0.9999775 |
| ## 13  | -0.9999853 | -0.9999872 | -0.9999976 | -0.9999729 | -0.9999924 | -0.9999890 |
| ## 14  | -0.9999837 | -0.9999906 | -0.9999954 | -0.9999807 | -0.9999854 | -0.9999727 |
| ## 15  | -0.9970647 | -0.9979974 | -0.9998392 | -0.9958472 | -0.9995052 | -0.9993938 |
| ## 16  | -0.9994939 | -0.9993201 | -0.9999481 | -0.9975065 | -0.9998118 | -0.9998741 |
| ## 17  | -0.9997954 | -0.9997774 | -0.9999730 | -0.9995782 | -0.9999266 | -0.9999313 |
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| ## 21  | -0.9999938 | -0.9999935 | -0.9999966 | -0.9999965 | -0.9999830 | -0.9999879 |
| ## 22  | -0.9999912 | -0.9999956 | -0.9999962 | -0.9999933 | -0.9999841 | -0.9999859 |
| ## 23  | -0.9999879 | -0.9999902 | -0.9999966 | -0.9999712 | -0.9999728 | -0.9999886 |
| ## 24  | -0.9999834 | -0.9999938 | -0.9999952 | -0.9999794 | -0.9999806 | -0.9999868 |
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| ## 28  | -0.9990964 | -0.9995332 | -0.9998046 | -0.9967857 | -0.9985389 | -0.9991324 |
| ## 29  | -0.9995658 | -0.9995996 | -0.9999638 | -0.9993680 | -0.9999489 | -0.9999506 |
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| ## 35  | -0.9999591 | -0.9999292 | -0.9999666 | -0.9996326 | -0.9999649 | -0.9999754 |
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| ## 39  | -0.9995567 | -0.9995373 | -0.9998969 | -0.9870564 | -0.9983238 | -0.9986913 |
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| ## 43  | -0.9999772 | -0.9999726 | -0.9999822 | -0.9997537 | -0.9999595 | -0.9999594 |

|       |            |            |            |            |            |            |
|-------|------------|------------|------------|------------|------------|------------|
| ## 44 | -0.9999678 | -0.9999799 | -0.9999819 | -0.9998595 | -0.9999676 | -0.9999842 |
| ## 45 | -0.9999774 | -0.9999713 | -0.9999871 | -0.9998177 | -0.9999727 | -0.9999577 |
| ## 46 | -0.9999462 | -0.9999667 | -0.9999885 | -0.9998902 | -0.9999781 | -0.9999655 |
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| ## 58 | -0.9999751 | -0.9999681 | -0.9999920 | -0.9998483 | -0.9999604 | -0.9999756 |
| ## 59 | -0.9999913 | -0.9999635 | -0.9999929 | -0.9999695 | -0.9999778 | -0.9999847 |
| ## 60 | -0.9999923 | -0.9999781 | -0.9999967 | -0.9999595 | -0.9999802 | -0.9999821 |
| ## 61 | -0.9999942 | -0.9999798 | -0.9999945 | -0.9999658 | -0.9999821 | -0.9999754 |
| ## 62 | -0.9999991 | -0.9999739 | -0.9999943 | -0.9999719 | -0.9999781 | -0.9999833 |
| ## 63 | -0.9999832 | -0.9999713 | -0.9999962 | -0.9999649 | -0.9999776 | -0.9999761 |
| ## 64 | -0.9999885 | -0.9999669 | -0.9999915 | -0.9999533 | -0.9999806 | -0.9999812 |
| ## 65 | -0.9992309 | -0.9964308 | -0.9970240 | -0.9914952 | -0.9992975 | -0.9984294 |
| ## 66 | -0.9999089 | -0.9997170 | -0.9998917 | -0.9898676 | -0.9992213 | -0.9988343 |
| ## 67 | -0.9972940 | -0.9750644 | -0.9965962 | -0.9059924 | -0.9844223 | -0.9896388 |
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| ## 71 | -0.9778440 | -0.9427891 | -0.9792629 | -0.9231037 | -0.9534232 | -0.9764061 |
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| ## 73 | -0.9946200 | -0.9886015 | -0.9990758 | -0.9920494 | -0.9992639 | -0.9995044 |
| ## 74 | -0.9997348 | -0.9998167 | -0.9998745 | -0.9992084 | -0.9999451 | -0.9999490 |
| ## 75 | -0.9998481 | -0.9998998 | -0.9999379 | -0.9994001 | -0.9999599 | -0.9998953 |
| ## 76 | -0.9999767 | -0.9999576 | -0.9999788 | -0.9997449 | -0.9999673 | -0.9999763 |
| ## 77 | -0.9999782 | -0.9999752 | -0.9999794 | -0.9999203 | -0.9999895 | -0.9999819 |
| ## 78 | -0.9999774 | -0.9999884 | -0.9999862 | -0.9999704 | -0.9999783 | -0.9999845 |
| ## 79 | -0.8984405 | -0.5984854 | -0.9473267 | -0.8987673 | -0.9296205 | -0.8603515 |
| ## 80 | -0.9741372 | -0.5517886 | -0.9142529 | -0.8719274 | -0.9183863 | -0.8655033 |
| ## 81 | -0.9247436 | -0.5327536 | -0.8807784 | -0.8363359 | -0.9182979 | -0.8698131 |
| ## 82 | -0.5916396 | -0.4300746 | -0.8228249 | -0.8014931 | -0.9036841 | -0.7909472 |
| ## 83 | -0.8987332 | -0.3172475 | -0.8216783 | -0.7947344 | -0.9510694 | -0.8388775 |
| ## 84 | -0.6544853 | -0.4524482 | -0.8012996 | -0.8274204 | -0.9543397 | -0.8923152 |
| ## 85 | -0.9089599 | -0.5816356 | -0.8370690 | -0.8069344 | -0.9227778 | -0.9137674 |
| ## 86 | -0.8481172 | -0.5400249 | -0.8394991 | -0.8098256 | -0.8983524 | -0.8664715 |
| ## 87 | -0.8693928 | -0.6294946 | -0.9141406 | -0.8697284 | -0.9129746 | -0.9564242 |
| ## 88 | -0.7940164 | -0.5609492 | -0.8764705 | -0.8432783 | -0.9341017 | -0.8863253 |
| ## 89 | -0.7635621 | -0.5696057 | -0.8831477 | -0.8282326 | -0.9335595 | -0.8723920 |
| ## 90 | -0.4428157 | -0.5578964 | -0.7824442 | -0.8112027 | -0.9305792 | -0.8221308 |
| ## 91 | -0.9719483 | -0.4408519 | -0.8057123 | -0.8041375 | -0.9252862 | -0.8269362 |
| ## 92 | -0.7916352 | -0.4445919 | -0.7889342 | -0.8325002 | -0.9080307 | -0.7843385 |
| ## 93 | -0.9208987 | -0.5387264 | -0.7850460 | -0.8221487 | -0.8516857 | -0.7888799 |

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| ## 94  | -0.9563935 | -0.4992122 | -0.8595343 | -0.8033670 | -0.8546394 | -0.8148767 |
| ## 95  | -0.9336767 | -0.4759717 | -0.8912123 | -0.8101940 | -0.9191271 | -0.8267859 |
| ## 96  | -0.5719200 | -0.5033911 | -0.7723743 | -0.8223894 | -0.8380501 | -0.9073584 |
| ## 97  | -0.5855812 | -0.4203807 | -0.8195392 | -0.8192559 | -0.7979080 | -0.8348455 |
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| ## 99  | -0.7115200 | -0.4300662 | -0.8880817 | -0.7889804 | -0.9060783 | -0.7863269 |
| ## 100 | -0.8681052 | -0.4836603 | -0.9081404 | -0.8245128 | -0.9141604 | -0.7600080 |
| ## 101 | -0.7275698 | -0.5696270 | -0.7938453 | -0.8363244 | -0.9739617 | -0.7873862 |
| ## 102 | -0.7706528 | -0.4787957 | -0.6346421 | -0.8137160 | -0.9476948 | -0.7335848 |
| ## 103 | -0.8030110 | -0.4429908 | -0.6747374 | -0.7851556 | -0.9640975 | -0.8561019 |
| ## 104 | -0.7933625 | -0.3990202 | -0.8097937 | -0.8221976 | -0.9141455 | -0.9093458 |
| ## 105 | -0.7696372 | -0.4714186 | -0.8006557 | -0.8431969 | -0.8935829 | -0.9120795 |
| ## 106 | -0.9071502 | -0.5491945 | -0.8517423 | -0.8474078 | -0.9199196 | -0.9111392 |
| ## 107 | -0.8171966 | -0.4915325 | -0.8112067 | -0.8316063 | -0.9008622 | -0.9029955 |
| ## 108 | -0.8532340 | -0.4499906 | -0.8782240 | -0.8303016 | -0.9043654 | -0.7850100 |
| ## 109 | -0.9136655 | -0.4516280 | -0.8760209 | -0.8276139 | -0.8982040 | -0.8115051 |
| ## 110 | -0.8213594 | -0.4285849 | -0.8272834 | -0.8186287 | -0.8703875 | -0.8617219 |
| ## 111 | -0.7811607 | -0.4597330 | -0.8489349 | -0.8185398 | -0.8413913 | -0.9292187 |
| ## 112 | -0.9094138 | -0.5030214 | -0.7434620 | -0.7980077 | -0.9311613 | -0.8798795 |
| ## 113 | -0.9312716 | -0.5379654 | -0.8453474 | -0.7923581 | -0.9579349 | -0.9054206 |
| ## 114 | -0.5249184 | -0.5488987 | -0.7691357 | -0.7525149 | -0.9510468 | -0.9162255 |
| ## 115 | -0.8495106 | -0.4733036 | -0.8414064 | -0.7902759 | -0.9382464 | -0.9493656 |
| ## 116 | -0.4866200 | -0.5011663 | -0.8356906 | -0.8232958 | -0.9189211 | -0.9165242 |
| ## 117 | -0.8990616 | -0.5580752 | -0.8222674 | -0.8088802 | -0.8812948 | -0.8801681 |
| ## 118 | -0.9153039 | -0.5970858 | -0.8273776 | -0.8212451 | -0.8844224 | -0.9211192 |
| ## 119 | -0.9126271 | -0.5878104 | -0.8663160 | -0.8146667 | -0.9241194 | -0.9608893 |
| ## 120 | -0.8147241 | -0.5640629 | -0.9065741 | -0.8299560 | -0.8984761 | -0.9339591 |
| ## 121 | -0.9512665 | -0.5968492 | -0.9093411 | -0.8364860 | -0.9082450 | -0.9191562 |
| ## 122 | -0.8142160 | -0.5862350 | -0.8807796 | -0.7670581 | -0.9309332 | -0.9382575 |
| ## 123 | -0.7755090 | -0.5297037 | -0.8735237 | -0.7533782 | -0.8415301 | -0.9119953 |
| ## 124 | -0.7338403 | -0.5010801 | -0.9008579 | -0.8038880 | -0.8657341 | -0.9019362 |
| ## 125 | -0.7092868 | -0.5335563 | -0.8952915 | -0.8326041 | -0.8526061 | -0.9080879 |
| ## 126 | -0.9438830 | -0.7711203 | -0.8917401 | -0.8304181 | -0.9211648 | -0.8642936 |
| ## 127 | -0.9007538 | -0.6616836 | -0.7210937 | -0.8044815 | -0.9182812 | -0.8172076 |
| ## 128 | -0.8572262 | -0.6426657 | -0.6041162 | -0.7888708 | -0.8888866 | -0.7603439 |
| ## 129 | -0.7230152 | -0.6611232 | -0.7950545 | -0.7679050 | -0.9010803 | -0.7988732 |
| ## 130 | -0.9187937 | -0.6781333 | -0.8666291 | -0.7139895 | -0.9033119 | -0.7482110 |
| ## 131 | -0.9206631 | -0.5776600 | -0.7849029 | -0.6703234 | -0.7719321 | -0.6059528 |
| ## 132 | -0.5425063 | -0.5589096 | -0.7940349 | -0.7023198 | -0.8058021 | -0.6544631 |
| ## 133 | -0.8279919 | -0.7141128 | -0.8463671 | -0.7232973 | -0.8936464 | -0.8052847 |
| ## 134 | -0.5994050 | -0.7314804 | -0.7772797 | -0.7810310 | -0.8593858 | -0.7628795 |
| ## 135 | -0.3143496 | -0.5456613 | -0.5591587 | -0.7532766 | -0.5921823 | -0.6623640 |
| ## 136 | -0.8580596 | -0.5488869 | -0.6487339 | -0.7665952 | -0.6239378 | -0.6181404 |
| ## 137 | -0.4707621 | -0.4919473 | -0.5704837 | -0.7111321 | -0.6830277 | -0.5713302 |
| ## 138 | -0.8883506 | -0.4658553 | -0.5977338 | -0.5566092 | -0.5954847 | -0.5388815 |
| ## 139 | -0.5686352 | -0.4982565 | -0.3607697 | -0.6147949 | -0.4264310 | -0.6555648 |
| ## 140 | -0.6398447 | -0.4438214 | -0.7608943 | -0.7346130 | -0.7281596 | -0.8214809 |
| ## 141 | -0.2557255 | -0.6156617 | -0.7387789 | -0.7429399 | -0.7572717 | -0.8244682 |
| ## 142 | -0.6963680 | -0.6206599 | -0.8341131 | -0.6845249 | -0.7077489 | -0.7924174 |
| ## 143 | -0.8832543 | -0.6181690 | -0.8948074 | -0.7325922 | -0.8350253 | -0.7088058 |

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| ## 144 | -0.8075642 | -0.6155742 | -0.8743705 | -0.7386018 | -0.8453766 | -0.6798554 |
| ## 145 | -0.9088793 | -0.5786642 | -0.7606431 | -0.6730641 | -0.7895414 | -0.6789102 |
| ## 146 | -0.6952775 | -0.4914154 | -0.5442377 | -0.6661942 | -0.8397144 | -0.6796397 |
| ## 147 | -0.8108998 | -0.6076009 | -0.7151116 | -0.7126708 | -0.7883658 | -0.8599087 |
| ## 148 | -0.9755570 | -0.5952411 | -0.8904865 | -0.7111477 | -0.8837456 | -0.8575037 |
| ## 149 | -0.9008084 | -0.6111897 | -0.8375873 | -0.7910973 | -0.8941813 | -0.7438734 |
| ## 150 | -0.8157249 | -0.6696470 | -0.9029767 | -0.7619489 | -0.8696143 | -0.6903410 |
| ## 151 | -0.9793381 | -0.4453355 | -0.9802581 | -0.9151178 | -0.9649525 | -0.9599388 |
| ## 152 | -0.9582164 | -0.4697396 | -0.9672669 | -0.9177052 | -0.9741967 | -0.9530106 |
| ## 153 | -0.9654424 | -0.4739067 | -0.9753756 | -0.8488502 | -0.9351822 | -0.9675907 |
| ## 154 | -0.8649131 | -0.4417785 | -0.9581833 | -0.8369752 | -0.8898615 | -0.9340972 |
| ## 155 | -0.6969407 | -0.4404090 | -0.9543248 | -0.8934430 | -0.9082033 | -0.9028540 |
| ## 156 | -0.3736749 | -0.5127382 | -0.8897758 | -0.8802950 | -0.9285397 | -0.9450962 |
| ## 157 | -0.9534957 | -0.4716428 | -0.9513734 | -0.9044080 | -0.9384502 | -0.9842213 |
| ## 158 | -0.9420378 | -0.4309489 | -0.9746287 | -0.9278000 | -0.9581346 | -0.9484730 |
| ## 159 | -0.9770926 | -0.4670200 | -0.9696808 | -0.9520101 | -0.9393172 | -0.9439459 |
| ## 160 | -0.9726921 | -0.4658261 | -0.9821463 | -0.9452015 | -0.9485583 | -0.9337235 |
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| ## 162 | -0.8660792 | -0.3502943 | -0.9661389 | -0.8192224 | -0.8979397 | -0.9267033 |
| ## 163 | -0.9741071 | -0.5673991 | -0.9758790 | -0.9115821 | -0.9647448 | -0.9586392 |
| ## 164 | -0.9300973 | -0.6166375 | -0.9652740 | -0.9096399 | -0.9388316 | -0.9354725 |
| ## 165 | -0.9338650 | -0.5597085 | -0.9712542 | -0.9467588 | -0.9586673 | -0.9164703 |
| ## 166 | -0.8809410 | -0.5215124 | -0.9792437 | -0.9392658 | -0.9575517 | -0.9368134 |
| ## 167 | -0.9762670 | -0.5334397 | -0.9898026 | -0.9541369 | -0.9730039 | -0.9717223 |
| ## 168 | -0.9889457 | -0.4818117 | -0.9837660 | -0.9544220 | -0.9318069 | -0.9532730 |
| ## 169 | -0.9901602 | -0.4733734 | -0.9781329 | -0.9492895 | -0.9395698 | -0.9078037 |
| ## 170 | -0.9349176 | -0.4099207 | -0.9807574 | -0.8630344 | -0.9213111 | -0.8986984 |
| ## 171 | -0.8477639 | -0.4275655 | -0.9696170 | -0.8640507 | -0.9026769 | -0.9225403 |
| ## 172 | -0.8904498 | -0.5895762 | -0.9670911 | -0.9233687 | -0.9337137 | -0.9519359 |
| ## 173 | -0.8256354 | -0.6883155 | -0.9637533 | -0.9158187 | -0.9376204 | -0.9551270 |
| ## 174 | -0.9873794 | -0.5706220 | -0.9745132 | -0.9424853 | -0.8838666 | -0.9435438 |
| ## 175 | -0.9849882 | -0.4921506 | -0.9862054 | -0.9480931 | -0.9022827 | -0.9374665 |
| ## 176 | -0.9781035 | -0.4994366 | -0.9866683 | -0.9520745 | -0.9305616 | -0.8987011 |
| ## 177 | -0.9986019 | -0.9977944 | -0.9997674 | -0.9949033 | -0.9995382 | -0.9995193 |
| ##     | NA         | NA         | NA         | NA         | NA         | NA         |
| ## 1   | -0.9999855 | -0.9999372 | -0.9997512 | -0.9990723 | -0.9999275 | -0.9999516 |
| ## 2   | -0.9999663 | -0.9999855 | -0.9999264 | -0.9999615 | -0.9999831 | -0.9999017 |
| ## 3   | -0.9999570 | -0.9999522 | -0.9999093 | -0.9998890 | -0.9999885 | -0.9998565 |
| ## 4   | -0.9999556 | -0.9999493 | -0.9998805 | -0.9998793 | -0.9999495 | -0.9998747 |
| ## 5   | -0.9999864 | -0.9999397 | -0.9999068 | -0.9999211 | -0.9999812 | -0.9998645 |
| ## 6   | -0.9999220 | -0.9998569 | -0.9998545 | -0.9995571 | -0.9996430 | -0.9997954 |
| ## 7   | -0.9999311 | -0.9999049 | -0.9998243 | -0.9997857 | -0.9998267 | -0.9997012 |
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| ## 9   | -0.9999470 | -0.9999231 | -0.9998765 | -0.9997481 | -0.9996586 | -0.9998730 |
| ## 10  | -0.9999432 | -0.9998840 | -0.9998995 | -0.9998725 | -0.9999487 | -0.9997540 |
| ## 11  | -0.9999612 | -0.9998063 | -0.9998157 | -0.9997258 | -0.9998247 | -0.9997567 |
| ## 12  | -0.9999775 | -0.9999724 | -0.9999425 | -0.9999491 | -0.9999902 | -0.9999751 |
| ## 13  | -0.9999735 | -0.9999900 | -0.9999732 | -0.9999698 | -0.9999988 | -0.9999737 |
| ## 14  | -0.9999739 | -0.9999815 | -0.9999655 | -0.9999817 | -0.9999994 | -0.9999787 |
| ## 15  | -0.9994278 | -0.9986894 | -0.9977241 | -0.9940424 | -0.9932327 | -0.9958853 |

|       |            |            |            |            |            |            |
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| ## 16 | -0.9998085 | -0.9997601 | -0.9993358 | -0.9987990 | -0.9983045 | -0.9975666 |
| ## 17 | -0.9999222 | -0.9998676 | -0.9996894 | -0.9991931 | -0.9992538 | -0.9995761 |
| ## 18 | -0.9999652 | -0.9998955 | -0.9998451 | -0.9998570 | -0.9998632 | -0.9997655 |
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| ## 20 | -0.9999821 | -0.9999701 | -0.9999753 | -0.9999824 | -0.9999994 | -0.9999665 |
| ## 21 | -0.9999581 | -0.9999638 | -0.9999621 | -0.9998835 | -0.9999978 | -0.9999930 |
| ## 22 | -0.9999553 | -0.9999799 | -0.9999442 | -0.9998593 | -0.9999959 | -0.9999903 |
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| ## 25 | -0.9999805 | -0.9999465 | -0.9998779 | -0.9996629 | -0.9999988 | -0.9999603 |
| ## 26 | -0.9999576 | -0.9999666 | -0.9998576 | -0.9997979 | -0.9999801 | -0.9999704 |
| ## 27 | -0.9999492 | -0.9999743 | -0.9999362 | -0.9998971 | -0.9999956 | -0.9999859 |
| ## 28 | -0.9994370 | -0.9980935 | -0.9967894 | -0.9930294 | -0.9913766 | -0.9964545 |
| ## 29 | -0.9999792 | -0.9999168 | -0.9998153 | -0.9998594 | -0.9998097 | -0.9993835 |
| ## 30 | -0.9999244 | -0.9998365 | -0.9995486 | -0.9990954 | -0.9989413 | -0.9993155 |
| ## 31 | -0.9977746 | -0.9977335 | -0.9925615 | -0.9874508 | -0.9856532 | -0.9061542 |
| ## 32 | -0.9986413 | -0.9988830 | -0.9983910 | -0.9972619 | -0.9995975 | -0.8780215 |
| ## 33 | -0.9992158 | -0.9957683 | -0.9899752 | -0.9854215 | -0.9839443 | -0.9601134 |
| ## 34 | -0.9999653 | -0.9999190 | -0.9998169 | -0.9998772 | -0.9998436 | -0.9996556 |
| ## 35 | -0.9999627 | -0.9998916 | -0.9997759 | -0.9996733 | -0.9996295 | -0.9996407 |
| ## 36 | -0.9999613 | -0.9999662 | -0.9999132 | -0.9997269 | -0.9997705 | -0.9998608 |
| ## 37 | -0.9999345 | -0.9999284 | -0.9999240 | -0.9999322 | -0.9999182 | -0.9999270 |
| ## 38 | -0.9999504 | -0.9999389 | -0.9999352 | -0.9999719 | -0.9999991 | -0.9999798 |
| ## 39 | -0.9981099 | -0.9969545 | -0.9937156 | -0.9840317 | -0.9820855 | -0.9871261 |
| ## 40 | -0.9982136 | -0.9965451 | -0.9925029 | -0.9829583 | -0.9792000 | -0.9864741 |
| ## 41 | -0.9994613 | -0.9989421 | -0.9977553 | -0.9945139 | -0.9936458 | -0.9948077 |
| ## 42 | -0.9999703 | -0.9999483 | -0.9998020 | -0.9996771 | -0.9996839 | -0.9995966 |
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| ## 45 | -0.9999519 | -0.9999434 | -0.9998754 | -0.9998450 | -0.9998802 | -0.9998194 |
| ## 46 | -0.9999883 | -0.9999655 | -0.9999076 | -0.9999305 | -0.9999939 | -0.9998901 |
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| ## 48 | -0.9999564 | -0.9999833 | -0.9999140 | -0.9999570 | -0.9999629 | -0.9999411 |
| ## 49 | -0.9999551 | -0.9999449 | -0.9998718 | -0.9997893 | -0.9998514 | -0.9999014 |
| ## 50 | -0.9999653 | -0.9999478 | -0.9998905 | -0.9999365 | -0.9999913 | -0.9998935 |
| ## 51 | -0.9999851 | -0.9999524 | -0.9999492 | -0.9999540 | -0.9999974 | -0.9998868 |
| ## 52 | -0.9983556 | -0.9969264 | -0.9930005 | -0.9832801 | -0.9806387 | -0.9820288 |
| ## 53 | -0.9992557 | -0.9985656 | -0.9971985 | -0.9932589 | -0.9916475 | -0.9939395 |
| ## 54 | -0.9997854 | -0.9995390 | -0.9990275 | -0.9982025 | -0.9977233 | -0.9984261 |
| ## 55 | -0.9999438 | -0.9999607 | -0.9999196 | -0.9999238 | -0.9999472 | -0.9998961 |
| ## 56 | -0.9999754 | -0.9999651 | -0.9999227 | -0.9998081 | -0.9998984 | -0.9999596 |
| ## 57 | -0.9999728 | -0.9999506 | -0.9998897 | -0.9998398 | -0.9998546 | -0.9999653 |
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| ## 61 | -0.9999680 | -0.9999341 | -0.9999425 | -0.9998910 | -0.9999714 | -0.9999634 |
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| ## 66  | -0.9989735 | -0.9981442 | -0.9964309 | -0.9918386 | -0.9895284 | -0.9901013 |
| ## 67  | -0.9928722 | -0.9989335 | -0.9934206 | -0.9944138 | -0.9999579 | -0.9053455 |
| ## 68  | -0.9919209 | -0.9988255 | -0.9925266 | -0.9950767 | -0.9999983 | -0.9184668 |
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| ## 70  | -0.9884136 | -0.9889518 | -0.9798353 | -0.9584193 | -0.9442768 | -0.9310690 |
| ## 71  | -0.9797410 | -0.9923487 | -0.9835738 | -0.9831953 | -0.9948778 | -0.9112413 |
| ## 72  | -0.9791829 | -0.9770977 | -0.9711959 | -0.9423013 | -0.9496752 | -0.9665038 |
| ## 73  | -0.9991357 | -0.9993788 | -0.9996731 | -0.9988617 | -0.9994260 | -0.9921912 |
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| ## 79  | -0.9035637 | -0.8100800 | -0.9367914 | -0.9539771 | -0.9996840 | -0.8801145 |
| ## 80  | -0.8522365 | -0.8769156 | -0.8423601 | -0.9668481 | -0.9996914 | -0.8508160 |
| ## 81  | -0.8659585 | -0.8262175 | -0.7872550 | -0.7961475 | -0.8774772 | -0.8169248 |
| ## 82  | -0.8574828 | -0.8094675 | -0.8192789 | -0.8356197 | -0.9041124 | -0.7788803 |
| ## 83  | -0.9108887 | -0.9237774 | -0.8761658 | -0.8879012 | -0.9240587 | -0.7883230 |
| ## 84  | -0.9432036 | -0.9555801 | -0.9146418 | -0.9293313 | -0.9087041 | -0.8205157 |
| ## 85  | -0.8585586 | -0.9324118 | -0.9490413 | -0.9608041 | -0.9995661 | -0.7904530 |
| ## 86  | -0.8136289 | -0.8763064 | -0.8992244 | -0.9227083 | -0.9940987 | -0.7850218 |
| ## 87  | -0.9569519 | -0.9458685 | -0.9122920 | -0.8959637 | -0.9084416 | -0.8469110 |
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| ## 89  | -0.9046870 | -0.8443278 | -0.8475240 | -0.8049663 | -0.9458470 | -0.8143276 |
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| ## 91  | -0.9527309 | -0.8682182 | -0.9001814 | -0.9143902 | -0.9988153 | -0.7886323 |
| ## 92  | -0.9461383 | -0.8383778 | -0.7340769 | -0.6310618 | -0.6971106 | -0.8098363 |
| ## 93  | -0.8715446 | -0.8500034 | -0.9141558 | -0.8576904 | -0.9996868 | -0.7811139 |
| ## 94  | -0.8658505 | -0.8335324 | -0.8329712 | -0.9099471 | -0.9754404 | -0.7642345 |
| ## 95  | -0.8907444 | -0.8579478 | -0.9062585 | -0.8707158 | -0.9854750 | -0.7923313 |
| ## 96  | -0.8370119 | -0.8460297 | -0.7958507 | -0.6902344 | -0.6623374 | -0.7767753 |
| ## 97  | -0.9093574 | -0.9392481 | -0.8991368 | -0.8665044 | -0.9166219 | -0.7603476 |
| ## 98  | -0.8874466 | -0.9258035 | -0.8846226 | -0.6779709 | -0.7125519 | -0.7790163 |
| ## 99  | -0.8779710 | -0.9010497 | -0.8692013 | -0.9276937 | -0.9785708 | -0.7677778 |
| ## 100 | -0.8802359 | -0.8766181 | -0.8228294 | -0.8868099 | -0.9158643 | -0.8042904 |
| ## 101 | -0.8648504 | -0.8931027 | -0.8731587 | -0.9261371 | -0.9777674 | -0.8355597 |
| ## 102 | -0.8704032 | -0.7603681 | -0.7800712 | -0.8813495 | -0.9628947 | -0.8052515 |
| ## 103 | -0.9042777 | -0.8393427 | -0.8464145 | -0.9216733 | -0.9977318 | -0.7835737 |
| ## 104 | -0.9436233 | -0.9691581 | -0.9597251 | -0.9749874 | -0.9958879 | -0.8020827 |
| ## 105 | -0.9436057 | -0.9512048 | -0.9238825 | -0.9351672 | -0.9278714 | -0.8151735 |
| ## 106 | -0.9368019 | -0.9198761 | -0.9317594 | -0.8740216 | -0.9943792 | -0.8280018 |
| ## 107 | -0.8962996 | -0.7405147 | -0.8563580 | -0.9150820 | -0.9936477 | -0.8065846 |
| ## 108 | -0.9012680 | -0.7050558 | -0.8308018 | -0.9434507 | -0.9940157 | -0.8065168 |
| ## 109 | -0.9347344 | -0.8416268 | -0.8334205 | -0.8891307 | -0.9779750 | -0.8018958 |
| ## 110 | -0.9279097 | -0.9503833 | -0.8858763 | -0.7854782 | -0.8742232 | -0.7840296 |
| ## 111 | -0.9151577 | -0.9143397 | -0.9270165 | -0.9313770 | -0.9309458 | -0.7742320 |
| ## 112 | -0.8860127 | -0.9186696 | -0.8940348 | -0.8569838 | -0.9688403 | -0.7847684 |
| ## 113 | -0.9640227 | -0.9784277 | -0.8342668 | -0.8288512 | -0.9363757 | -0.7883619 |
| ## 114 | -0.9638608 | -0.9610016 | -0.9154845 | -0.9121678 | -0.9387193 | -0.7481479 |
| ## 115 | -0.9564742 | -0.9479927 | -0.9563272 | -0.9251202 | -0.9991426 | -0.7797857 |

## 116 -0.9171497 -0.9198635 -0.8708400 -0.8889514 -0.9769329 -0.8047273  
## 117 -0.8842182 -0.8901472 -0.8528781 -0.9038832 -0.9848804 -0.7784085  
## 118 -0.8845377 -0.8847077 -0.9153448 -0.9408214 -0.9996035 -0.7912201  
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## 122 -0.8710524 -0.8781323 -0.8231627 -0.7487516 -0.7882095 -0.7552468  
## 123 -0.8871358 -0.8830978 -0.8565307 -0.8081030 -0.7661048 -0.7122841  
## 124 -0.9518988 -0.9299132 -0.8995081 -0.8369968 -0.8011450 -0.7684465  
## 125 -0.9571478 -0.9512104 -0.9419346 -0.9179426 -0.9280095 -0.7913694  
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## 161 -0.9628813 -0.9790403 -0.9703531 -0.9874163 -0.9982410 -0.7706827  
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## 164 -0.9869562 -0.9804965 -0.9710992 -0.9656133 -0.9898524 -0.8935441  
## 165 -0.9680398 -0.9716638 -0.9674655 -0.9913597 -0.9927265 -0.9355032

|        |            |            |            |            |            |              |
|--------|------------|------------|------------|------------|------------|--------------|
| ## 166 | -0.9687920 | -0.9860600 | -0.9889319 | -0.9672145 | -0.9826949 | -0.9280007   |
| ## 167 | -0.9841191 | -0.9885003 | -0.9695900 | -0.9717823 | -0.9751035 | -0.9473251   |
| ## 168 | -0.9773796 | -0.9638668 | -0.9625768 | -0.9296650 | -0.9151020 | -0.9337964   |
| ## 169 | -0.9815924 | -0.9828421 | -0.9803009 | -0.9702710 | -0.9999929 | -0.9315138   |
| ## 170 | -0.9807184 | -0.9864957 | -0.9705304 | -0.9616431 | -0.9997374 | -0.8433350   |
| ## 171 | -0.9876274 | -0.9903304 | -0.9783839 | -0.9496284 | -0.9855943 | -0.8380599   |
| ## 172 | -0.9748707 | -0.9852204 | -0.9738174 | -0.9483208 | -0.9680061 | -0.9048912   |
| ## 173 | -0.9846469 | -0.9893204 | -0.9809095 | -0.9680459 | -0.9737955 | -0.8990169   |
| ## 174 | -0.9586314 | -0.9704909 | -0.9795130 | -0.9612316 | -0.9627809 | -0.9063812   |
| ## 175 | -0.9640079 | -0.9879518 | -0.9582248 | -0.9894806 | -0.9956209 | -0.9178854   |
| ## 176 | -0.9744927 | -0.9738389 | -0.9469124 | -0.9501023 | -0.9629182 | -0.9311459   |
| ## 177 | -0.9995110 | -0.9988634 | -0.9980951 | -0.9962913 | -0.9958030 | -0.9949983   |
| ##     | NA         | NA         | NA         | NA         | NA         | NA           |
| ## 1   | -0.9999058 | -0.9998927 | -0.9994443 | -0.9999410 | -0.9999586 | -0.952154660 |
| ## 2   | -0.9999178 | -0.9999754 | -0.9999711 | -0.9998943 | -0.9999710 | -0.980856620 |
| ## 3   | -0.9999196 | -0.9999464 | -0.9999325 | -0.9998502 | -0.9999556 | -0.987794770 |
| ## 4   | -0.9999398 | -0.9999364 | -0.9999101 | -0.9998713 | -0.9999516 | -0.987518660 |
| ## 5   | -0.9999925 | -0.9999366 | -0.9999474 | -0.9998664 | -0.9999728 | -0.993590850 |
| ## 6   | -0.9999197 | -0.9998617 | -0.9995947 | -0.9997918 | -0.9999052 | -0.994835990 |
| ## 7   | -0.9999217 | -0.9998887 | -0.9998037 | -0.9996977 | -0.9999198 | -0.982134710 |
| ## 8   | -0.9999510 | -0.9999082 | -0.9996636 | -0.9996808 | -0.9999343 | -0.982184130 |
| ## 9   | -0.9999257 | -0.9999162 | -0.9997094 | -0.9998682 | -0.9999394 | -0.983130800 |
| ## 10  | -0.9998370 | -0.9998937 | -0.9999058 | -0.9997375 | -0.9999297 | -0.984994030 |
| ## 11  | -0.9998506 | -0.9998140 | -0.9997690 | -0.9997409 | -0.9999174 | -0.985696560 |
| ## 12  | -0.9999703 | -0.9999701 | -0.9999672 | -0.9999740 | -0.9999771 | -0.995137800 |
| ## 13  | -0.9999794 | -0.9999913 | -0.9999826 | -0.9999742 | -0.9999809 | -0.995953670 |
| ## 14  | -0.9999640 | -0.9999830 | -0.9999896 | -0.9999770 | -0.9999786 | -0.997757260 |
| ## 15  | -0.9991476 | -0.9984304 | -0.9936906 | -0.9958250 | -0.9991202 | -0.903838530 |
| ## 16  | -0.9997900 | -0.9996507 | -0.9985842 | -0.9975630 | -0.9997615 | -0.991367650 |
| ## 17  | -0.9998995 | -0.9998250 | -0.9992197 | -0.9995707 | -0.9998940 | -0.992731570 |
| ## 18  | -0.9999429 | -0.9998875 | -0.9998599 | -0.9997624 | -0.9999430 | -0.993433490 |
| ## 19  | -0.9999679 | -0.9999823 | -0.9999861 | -0.9999702 | -0.9999731 | -0.997043860 |
| ## 20  | -0.9999804 | -0.9999773 | -0.9999900 | -0.9999666 | -0.9999825 | -0.999892780 |
| ## 21  | -0.9999708 | -0.9999691 | -0.9999334 | -0.9999932 | -0.9999634 | -0.997252530 |
| ## 22  | -0.9999676 | -0.9999761 | -0.9999189 | -0.9999903 | -0.9999637 | -0.996710690 |
| ## 23  | -0.9999758 | -0.9999822 | -0.9999481 | -0.9999659 | -0.9999737 | -0.995962980 |
| ## 24  | -0.9999840 | -0.9999657 | -0.9997933 | -0.9999761 | -0.9999826 | -0.995084210 |
| ## 25  | -0.9999716 | -0.9999337 | -0.9998092 | -0.9999593 | -0.9999679 | -0.994278630 |
| ## 26  | -0.9999650 | -0.9999430 | -0.9998773 | -0.9999700 | -0.9999550 | -0.993639190 |
| ## 27  | -0.9999538 | -0.9999698 | -0.9999401 | -0.9999844 | -0.9999575 | -0.996386090 |
| ## 28  | -0.9989027 | -0.9977411 | -0.9923110 | -0.9963564 | -0.9989127 | -0.446629920 |
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| ## 31  | -0.9934442 | -0.9963372 | -0.9866695 | -0.9058251 | -0.9973305 | -0.612648510 |
| ## 32  | -0.9947334 | -0.9987523 | -0.9982776 | -0.8779472 | -0.9986776 | -0.682193670 |
| ## 33  | -0.9984363 | -0.9941976 | -0.9847795 | -0.9601356 | -0.9976607 | -0.691858520 |
| ## 34  | -0.9999751 | -0.9998971 | -0.9998628 | -0.9996575 | -0.9999460 | -0.905495940 |
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| ## 37  | -0.9999350 | -0.9999329 | -0.9999263 | -0.9999241 | -0.9999359 | -0.998355020 |

|       |            |            |            |            |            |              |
|-------|------------|------------|------------|------------|------------|--------------|
| ## 38 | -0.9999559 | -0.9999435 | -0.9999839 | -0.9999786 | -0.9999502 | -0.996426270 |
| ## 39 | -0.9978398 | -0.9960765 | -0.9831858 | -0.9870126 | -0.9974809 | -0.945263100 |
| ## 40 | -0.9975105 | -0.9954491 | -0.9813245 | -0.9863102 | -0.9973578 | -0.968581750 |
| ## 41 | -0.9993257 | -0.9986243 | -0.9941367 | -0.9947753 | -0.9992035 | -0.995971660 |
| ## 42 | -0.9999457 | -0.9999146 | -0.9996803 | -0.9995943 | -0.9999549 | -0.993620200 |
| ## 43 | -0.9999555 | -0.9999523 | -0.9998480 | -0.9997516 | -0.9999752 | -0.993139050 |
| ## 44 | -0.9999789 | -0.9999648 | -0.9999430 | -0.9998579 | -0.9999786 | -0.993342200 |
| ## 45 | -0.9999390 | -0.9999307 | -0.9998605 | -0.9998164 | -0.9999472 | -0.994725150 |
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| ## 47 | -0.9999683 | -0.9999568 | -0.9999290 | -0.9998847 | -0.9999642 | -0.997601470 |
| ## 48 | -0.9999372 | -0.9999704 | -0.9999598 | -0.9999369 | -0.9999627 | -0.995517660 |
| ## 49 | -0.9999265 | -0.9999309 | -0.9998165 | -0.9998960 | -0.9999495 | -0.994909020 |
| ## 50 | -0.9999593 | -0.9999381 | -0.9999606 | -0.9998921 | -0.9999588 | -0.996348850 |
| ## 51 | -0.9999719 | -0.9999573 | -0.9999731 | -0.9998859 | -0.9999784 | -0.995933910 |
| ## 52 | -0.9973091 | -0.9958632 | -0.9821319 | -0.9818478 | -0.9975842 | -0.875109570 |
| ## 53 | -0.9989598 | -0.9981979 | -0.9925585 | -0.9938737 | -0.9989294 | -0.982180970 |
| ## 54 | -0.9996828 | -0.9994053 | -0.9979944 | -0.9984049 | -0.9996694 | -0.995060570 |
| ## 55 | -0.9999522 | -0.9999554 | -0.9999342 | -0.9998952 | -0.9999493 | -0.998390810 |
| ## 56 | -0.9999822 | -0.9999595 | -0.9998476 | -0.9999604 | -0.9999723 | -0.997733220 |
| ## 57 | -0.9999615 | -0.9999399 | -0.9998465 | -0.9999634 | -0.9999645 | -0.994853360 |
| ## 58 | -0.9999675 | -0.9999868 | -0.9999299 | -0.9998437 | -0.9999809 | -0.996036830 |
| ## 59 | -0.9999743 | -0.9999723 | -0.9999267 | -0.9999655 | -0.9999736 | -0.993903790 |
| ## 60 | -0.9999636 | -0.9999554 | -0.9999536 | -0.9999565 | -0.9999567 | -0.993347050 |
| ## 61 | -0.9999637 | -0.9999420 | -0.9999261 | -0.9999621 | -0.9999618 | -0.993806930 |
| ## 62 | -0.9999779 | -0.9999701 | -0.9999547 | -0.9999677 | -0.9999800 | -0.996296520 |
| ## 63 | -0.9999737 | -0.9999768 | -0.9999546 | -0.9999599 | -0.9999858 | -0.998112900 |
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| ## 65 | -0.9972958 | -0.9986877 | -0.9995834 | -0.9915051 | -0.9978719 | -0.477863510 |
| ## 66 | -0.9983941 | -0.9976817 | -0.9908344 | -0.9899931 | -0.9985746 | -0.967409350 |
| ## 67 | -0.9866719 | -0.9974495 | -0.9968244 | -0.9044003 | -0.9942943 | -0.405261740 |
| ## 68 | -0.9863222 | -0.9971293 | -0.9972167 | -0.9174755 | -0.9935389 | -0.502021820 |
| ## 69 | -0.9971185 | -0.9972719 | -0.9896050 | -0.9972152 | -0.9976821 | -0.792322730 |
| ## 70 | -0.9818420 | -0.9864612 | -0.9522708 | -0.9296264 | -0.9878097 | -0.716397470 |
| ## 71 | -0.9676970 | -0.9899621 | -0.9882747 | -0.9084903 | -0.9829143 | -0.091821255 |
| ## 72 | -0.9685166 | -0.9754318 | -0.9455075 | -0.9636465 | -0.9780209 | -0.220785000 |
| ## 73 | -0.9991117 | -0.9994618 | -0.9991072 | -0.9921632 | -0.9992387 | -0.498567770 |
| ## 74 | -0.9999247 | -0.9998696 | -0.9996769 | -0.9992291 | -0.9999196 | -0.781428950 |
| ## 75 | -0.9998689 | -0.9998650 | -0.9996101 | -0.9994083 | -0.9999117 | -0.945372250 |
| ## 76 | -0.9999557 | -0.9999215 | -0.9998747 | -0.9997482 | -0.9999429 | -0.991861080 |
| ## 77 | -0.9999754 | -0.9999664 | -0.9998669 | -0.9999224 | -0.9999771 | -0.993300240 |
| ## 78 | -0.9999845 | -0.9999812 | -0.9999354 | -0.9999665 | -0.9999913 | -0.994454290 |
| ## 79 | -0.8201533 | -0.8435720 | -0.9738491 | -0.8619159 | -0.8849515 | -0.166810830 |
| ## 80 | -0.8002198 | -0.8671719 | -0.9811275 | -0.8334474 | -0.8568723 | -0.079277624 |
| ## 81 | -0.8109721 | -0.8151067 | -0.8315071 | -0.8002947 | -0.8501821 | -0.156312580 |
| ## 82 | -0.7316636 | -0.8114453 | -0.8653982 | -0.7518321 | -0.8432002 | -0.104376890 |
| ## 83 | -0.8032218 | -0.9106797 | -0.9036214 | -0.7676707 | -0.9108257 | -0.123195320 |
| ## 84 | -0.8698221 | -0.9443936 | -0.9203635 | -0.8068923 | -0.9435747 | -0.200025010 |
| ## 85 | -0.8493042 | -0.9366617 | -0.9776568 | -0.7798535 | -0.8827939 | -0.148472210 |
| ## 86 | -0.7824542 | -0.8820533 | -0.9537466 | -0.7680928 | -0.8348611 | -0.110826940 |
| ## 87 | -0.9376109 | -0.9366322 | -0.9013889 | -0.8417777 | -0.9506490 | -0.258717170 |

|        |            |            |            |            |            |              |
|--------|------------|------------|------------|------------|------------|--------------|
| ## 88  | -0.8462245 | -0.8904661 | -0.9762260 | -0.8143563 | -0.9013579 | -0.163223910 |
| ## 89  | -0.8321787 | -0.8446455 | -0.8662167 | -0.7980562 | -0.8860593 | -0.222277430 |
| ## 90  | -0.7887080 | -0.8754137 | -0.8705160 | -0.7741832 | -0.9019575 | -0.151677090 |
| ## 91  | -0.8120894 | -0.8763748 | -0.9510956 | -0.7663740 | -0.9290412 | -0.150975810 |
| ## 92  | -0.7682774 | -0.8096970 | -0.6597778 | -0.7817545 | -0.9038056 | -0.075130477 |
| ## 93  | -0.7364993 | -0.8667727 | -0.9194259 | -0.7537774 | -0.8700658 | -0.059139200 |
| ## 94  | -0.7585331 | -0.8327991 | -0.9384216 | -0.7404705 | -0.8555972 | -0.129876570 |
| ## 95  | -0.7819400 | -0.8704749 | -0.9206094 | -0.7700354 | -0.8844570 | -0.115335250 |
| ## 96  | -0.8327625 | -0.8319654 | -0.6781059 | -0.7653790 | -0.8354478 | -0.114925390 |
| ## 97  | -0.7986357 | -0.9282269 | -0.8882940 | -0.7392851 | -0.9152140 | -0.143827470 |
| ## 98  | -0.8356699 | -0.9144465 | -0.6930057 | -0.7645790 | -0.8958258 | -0.197115930 |
| ## 99  | -0.7371756 | -0.8921210 | -0.9498136 | -0.7401610 | -0.8823632 | -0.022933620 |
| ## 100 | -0.7131746 | -0.8616887 | -0.8994420 | -0.7729655 | -0.8744829 | -0.039440660 |
| ## 101 | -0.7318344 | -0.8873548 | -0.9485844 | -0.8077665 | -0.8718347 | -0.141775400 |
| ## 102 | -0.6832180 | -0.7648390 | -0.9168028 | -0.7703716 | -0.8376509 | -0.046588109 |
| ## 103 | -0.8164465 | -0.8406875 | -0.9547412 | -0.7652582 | -0.8845490 | -0.065555728 |
| ## 104 | -0.8862654 | -0.9665122 | -0.9840744 | -0.7908344 | -0.9507271 | -0.002528951 |
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| ## 106 | -0.44691982 | 0.51366937 | -0.93103448 | 0.06892717 | -0.512401010 | - |
|        | 0.82736173  |            |             |            |              |   |
| ## 107 | -0.48475119 | 0.59860559 | -0.58620690 | 0.14648531 | -0.584329840 | - |
|        | 0.87246506  |            |             |            |              |   |
| ## 108 | -0.45352660 | 0.57083233 | -0.93103448 | 0.20411071 | -0.589299720 | - |
|        | 0.86731926  |            |             |            |              |   |
| ## 109 | -0.41277369 | 0.45117740 | -0.93103448 | 0.17112329 | -0.571660430 | - |
|        | 0.85354876  |            |             |            |              |   |
| ## 110 | -0.46372863 | 0.50280831 | -0.93103448 | 0.20346721 | -0.534907140 | - |
|        | 0.83714532  |            |             |            |              |   |
| ## 111 | -0.38675500 | 0.49493229 | -0.58620690 | 0.13352542 | -0.501527170 | - |
|        | 0.81477659  |            |             |            |              |   |
| ## 112 | -0.23542093 | 0.58272601 | -0.86206897 | 0.12782888 | -0.586073680 | - |
|        | 0.87264584  |            |             |            |              |   |
| ## 113 | -0.46703352 | 0.49837020 | -0.93103448 | 0.39305031 | -0.441770320 | - |
|        | 0.73398829  |            |             |            |              |   |
| ## 114 | -0.57286034 | 0.50637202 | -0.58620690 | 0.30960288 | -0.471167080 | - |
|        | 0.79067127  |            |             |            |              |   |
| ## 115 | -0.50086889 | 0.55041008 | -0.58620690 | 0.14356188 | -0.574465770 | - |
|        | 0.86210214  |            |             |            |              |   |
| ## 116 | -0.29509211 | 0.53497098 | -0.58620690 | 0.17712363 | -0.705389770 | - |
|        | 0.93676493  |            |             |            |              |   |
| ## 117 | -0.49652582 | 0.49734275 | -0.93103448 | 0.13299184 | -0.568875850 | - |
|        | 0.86314445  |            |             |            |              |   |
| ## 118 | -0.49573549 | 0.51247502 | -0.58620690 | 0.19268140 | -0.607585280 | - |
|        | 0.88164243  |            |             |            |              |   |
| ## 119 | -0.58803294 | 0.44415059 | -0.31034483 | 0.23542235 | -0.571491600 | - |
|        | 0.87175164  |            |             |            |              |   |
| ## 120 | -0.46045602 | 0.50299891 | -0.93103448 | 0.12687780 | -0.552457240 | - |
|        | 0.83744101  |            |             |            |              |   |
| ## 121 | -0.35925276 | 0.55887113 | -0.93103448 | 0.09882861 | -0.524159060 | - |
|        | 0.77698525  |            |             |            |              |   |
| ## 122 | -0.59875095 | 0.51703411 | -0.93103448 | 0.23259576 | -0.393287850 | - |
|        | 0.70158999  |            |             |            |              |   |
| ## 123 | -0.34286292 | 0.47295249 | -0.31034483 | 0.04219364 | -0.609092810 | - |
|        | 0.88309426  |            |             |            |              |   |
| ## 124 | -0.47762304 | 0.43367809 | -0.58620690 | 0.11223761 | -0.509875780 | - |
|        | 0.81634753  |            |             |            |              |   |
| ## 125 | -0.44621272 | 0.45746096 | -0.31034483 | 0.13628773 | -0.529114710 | - |
|        | 0.82992209  |            |             |            |              |   |
| ## 126 | -0.34635446 | 0.56114166 | -0.79310345 | 0.09767177 | -0.369169590 | - |
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## 127 -0.24014058 0.59149009 -0.51724138 0.19721762 -0.398362170 -  
0.71516057  
## 128 -0.19689225 0.55546784 -0.51724138 0.18168733 -0.277543020 -  
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## 129 -0.01744838 0.54758310 -0.79310345 0.04424630 -0.665234900 -  
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## 130 -0.13480995 0.70473811 -0.79310345 -0.03132615 -0.559642580 -  
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## 131 0.02972882 0.81564284 -0.79310345 -0.04578719 -0.580502170 -  
0.84949210  
## 132 0.13741560 0.77800473 -0.79310345 0.04236935 -0.596997750 -  
0.84092921  
## 133 -0.11677896 0.57772937 -0.79310345 0.09092211 -0.539898300 -  
0.80192881  
## 134 -0.32147076 0.58570058 -0.44827586 0.16696733 -0.571103970 -  
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## 135 0.03555012 0.71513451 -0.44827586 0.29688405 -0.333427910 -  
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## 136 -0.02597878 0.76136330 -0.79310345 0.08647541 -0.510601030 -  
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## 137 -0.18817261 0.75022261 -0.72413793 0.21509625 -0.453496350 -  
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## 138 -0.16677317 0.67012392 -0.44827586 0.18463455 -0.616459580 -  
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## 139 -0.15234570 0.65997563 -0.44827586 0.03466331 -0.399055330 -  
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## 140 -0.01531182 0.72728527 -0.86206897 0.15009699 -0.766163990 -  
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## 141 -0.11012743 0.66161904 -0.44827586 0.19384713 -0.550559200 -  
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## 142 -0.18894932 0.66850261 -0.37931034 0.07780652 -0.222428470 -  
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## 143 -0.14479897 0.59951588 -0.44827586 0.12810644 -0.359304180 -  
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## 144 -0.06238553 0.68539334 -0.37931034 0.13613152 -0.437243530 -  
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## 145 -0.35775416 0.51560634 -0.72413793 0.27489557 -0.457855150 -  
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## 146 -0.16479221 0.65210197 -0.93103448 -0.04260905 -0.533797910 -  
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## 147 -0.23988970 0.60148628 -0.44827586 -0.04526828 -0.206357940 -  
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## 148 -0.09779091 0.53261671 -0.51724138 0.08273371 -0.425022820 -  
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## 149 -0.10635614 0.68732989 -0.44827586 0.16047905 -0.688455420 -  
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## 150 -0.37125319 0.56090496 -0.44827586 0.12038890 -0.127759450 -  
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## 151 -0.43299933 0.38429442 -0.79310345 -0.14721567 -0.295204410 -  
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## 152 -0.60103576 0.37964410 -0.79310345 -0.06797201 -0.131813290 -  
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## 153 -0.55898412 0.36200273 -0.58620690 -0.08657778 -0.665821500 -  
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## 154 -0.40254282 0.47282766 -0.51724138 0.05501108 -0.447461190 -  
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## 155 -0.51739830 0.47801905 -0.79310345 -0.05433614 -0.457761090 -  
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## 156 -0.55831392 0.34046962 -0.86206897 0.09824171 -0.327722550 -  
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## 158 -0.58882794 0.33697024 -0.79310345 -0.03183300 -0.214605590 -  
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## 160 -0.53487973 0.40431117 -0.79310345 -0.23949327 -0.239658180 -  
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## 161 -0.57841429 0.34953910 -0.79310345 -0.20240156 -0.388698330 -  
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## 163 -0.63631134 0.26459474 -0.79310345 0.11027323 -0.226001270 -  
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## 177 -0.96802677 -0.56854380 -0.93103448 -0.12771712 -0.328444720 -  
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| ##    | NA           | NA          | NA           | NA           | NA           |
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| ## 2  | -0.990335490 | -0.99196029 | -0.989731980 | -0.994488840 | -0.989548820 |
| ## 3  | -0.989280070 | -0.99086668 | -0.987274290 | -0.993178830 | -0.999889770 |
| ## 4  | -0.992768920 | -0.99169983 | -0.989054890 | -0.994454550 | -0.995562410 |
| ## 5  | -0.995522810 | -0.99438901 | -0.993305480 | -0.995484690 | -0.982177180 |
| ## 6  | -0.994732920 | -0.99515619 | -0.994298620 | -0.994485120 | -0.983048280 |
| ## 7  | -0.987885800 | -0.99054611 | -0.988054870 | -0.993518100 | -0.975939360 |
| ## 8  | -0.989851440 | -0.98979026 | -0.986656880 | -0.994219790 | -0.980202220 |
| ## 9  | -0.992072630 | -0.99289011 | -0.990630320 | -0.995119170 | -0.996128380 |
| ## 10 | -0.982316830 | -0.98405698 | -0.979903930 | -0.986107090 | -0.983319420 |
| ## 11 | -0.984763040 | -0.98661714 | -0.983490280 | -0.987666350 | -0.996215400 |
| ## 12 | -0.994729360 | -0.99480169 | -0.992799970 | -0.996138670 | -0.992616410 |
| ## 13 | -0.996818870 | -0.99631669 | -0.995477860 | -0.995200320 | -0.988245940 |
| ## 14 | -0.995533350 | -0.99545097 | -0.993913100 | -0.995486500 | -0.991137870 |
| ## 15 | -0.989026080 | -0.98780475 | -0.983700100 | -0.989721870 | -0.998101630 |
| ## 16 | -0.996815010 | -0.99757854 | -0.996070230 | -0.998231100 | -0.977776450 |
| ## 17 | -0.998852640 | -0.99774096 | -0.996531760 | -0.997363820 | -0.997927460 |
| ## 18 | -0.996350040 | -0.99609913 | -0.995541380 | -0.996447010 | -0.993601240 |
| ## 19 | -0.996740650 | -0.99704535 | -0.996180890 | -0.996921460 | -0.988580510 |
| ## 20 | -0.999479460 | -0.99958203 | -0.999151900 | -0.998551120 | -0.992382150 |
| ## 21 | -0.998323590 | -0.99509300 | -0.994072930 | -0.996226900 | -0.988415860 |
| ## 22 | -0.994495990 | -0.99278698 | -0.992553750 | -0.993371170 | -0.990476900 |
| ## 23 | -0.992584990 | -0.99181646 | -0.991389480 | -0.989987740 | -0.996969080 |
| ## 24 | -0.994291460 | -0.99276945 | -0.989484080 | -0.994764130 | -0.995853290 |
| ## 25 | -0.994448150 | -0.99520624 | -0.993875570 | -0.996000370 | -0.985738950 |
| ## 26 | -0.994398240 | -0.99426938 | -0.991565060 | -0.996248430 | -0.996973670 |
| ## 27 | -0.993227540 | -0.99555244 | -0.993422690 | -0.996751140 | -0.983982420 |
| ## 28 | -0.975658570 | -0.96429842 | -0.964865130 | -0.964577700 | -0.965639180 |
| ## 29 | -0.994769740 | -0.99278695 | -0.990244820 | -0.993587620 | -0.989413200 |
| ## 30 | -0.993985270 | -0.99407461 | -0.991727560 | -0.996279650 | -0.993065710 |
| ## 31 | -0.860321470 | -0.76927158 | -0.837239020 | -0.756883370 | -0.945209170 |
| ## 32 | -0.851317880 | -0.82288377 | -0.857608840 | -0.811591800 | -0.869590550 |
| ## 33 | -0.913779770 | -0.90566871 | -0.915528040 | -0.899244260 | -0.947291990 |
| ## 34 | -0.990336360 | -0.98782658 | -0.988269390 | -0.986864890 | -0.977694550 |
| ## 35 | -0.995547620 | -0.99517066 | -0.993573380 | -0.996232300 | -0.998875570 |
| ## 36 | -0.997786290 | -0.99658205 | -0.995773260 | -0.996512440 | -0.988780910 |
| ## 37 | -0.997792140 | -0.99581104 | -0.994429510 | -0.995755820 | -0.989821410 |
| ## 38 | -0.997603230 | -0.99632383 | -0.995266040 | -0.997456640 | -0.989132120 |
| ## 39 | -0.979568200 | -0.97790115 | -0.975680380 | -0.980507460 | -0.987984320 |
| ## 40 | -0.992638060 | -0.99098543 | -0.990028520 | -0.989837040 | -0.977740580 |
| ## 41 | -0.994544950 | -0.99489100 | -0.993282390 | -0.996504130 | -0.992708480 |
| ## 42 | -0.992333800 | -0.99338603 | -0.991660510 | -0.994692390 | -0.978709690 |
| ## 43 | -0.993412050 | -0.99215353 | -0.990221060 | -0.993722790 | -0.987431460 |
| ## 44 | -0.993779440 | -0.99534721 | -0.993900170 | -0.995645560 | -0.969716610 |
| ## 45 | -0.995488110 | -0.99565716 | -0.993604210 | -0.995503120 | -0.979987670 |
| ## 46 | -0.997525660 | -0.99647978 | -0.994565470 | -0.997860090 | -0.989408690 |
| ## 47 | -0.997792740 | -0.99754113 | -0.996331450 | -0.997513030 | -0.988392780 |

|       |              |             |              |              |              |
|-------|--------------|-------------|--------------|--------------|--------------|
| ## 48 | -0.996570700 | -0.99396034 | -0.991991440 | -0.996093470 | -0.996750220 |
| ## 49 | -0.994121110 | -0.99059234 | -0.989598290 | -0.991507720 | -0.998088750 |
| ## 50 | -0.996025890 | -0.99284617 | -0.991274290 | -0.994737420 | -0.995833500 |
| ## 51 | -0.995735630 | -0.99550624 | -0.994143960 | -0.996690680 | -0.987428380 |
| ## 52 | -0.910289720 | -0.89146988 | -0.895242930 | -0.905928020 | -0.948992330 |
| ## 53 | -0.992513040 | -0.99296117 | -0.989920300 | -0.996230600 | -0.992605460 |
| ## 54 | -0.994505940 | -0.99355488 | -0.992718490 | -0.991907830 | -0.991074290 |
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| ## 58 | -0.993151120 | -0.99218464 | -0.988653890 | -0.995458140 | -0.986305260 |
| ## 59 | -0.993998460 | -0.99404556 | -0.992855750 | -0.994000170 | -0.990988710 |
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| ## 61 | -0.995748370 | -0.99413160 | -0.992274980 | -0.996200830 | -0.986536040 |
| ## 62 | -0.996309020 | -0.99439907 | -0.992351850 | -0.995907130 | -0.993127110 |
| ## 63 | -0.995831100 | -0.99673367 | -0.996189590 | -0.995095730 | -0.983273580 |
| ## 64 | -0.992761180 | -0.99606696 | -0.994497830 | -0.996534090 | -0.994450880 |
| ## 65 | -0.864884010 | -0.86628146 | -0.886460140 | -0.866553570 | -0.915841760 |
| ## 66 | -0.982140740 | -0.97572739 | -0.974688060 | -0.982267270 | -0.997581720 |
| ## 67 | -0.726190410 | -0.59248301 | -0.677398480 | -0.590491420 | -0.965469410 |
| ## 68 | -0.725460810 | -0.64267705 | -0.695974930 | -0.670984470 | -0.853949890 |
| ## 69 | -0.944513500 | -0.95467415 | -0.946809150 | -0.956294120 | -0.922314940 |
| ## 70 | -0.834354460 | -0.74626649 | -0.800131810 | -0.720022340 | -0.986196440 |
| ## 71 | -0.358482490 | -0.32035278 | -0.364519100 | -0.386572160 | -0.857236760 |
| ## 72 | -0.331756090 | -0.25098304 | -0.356458890 | -0.315821790 | -0.676603880 |
| ## 73 | -0.871886060 | -0.82739933 | -0.862241780 | -0.838166010 | -0.902949070 |
| ## 74 | -0.978231550 | -0.98139751 | -0.980230230 | -0.979350920 | -0.983706350 |
| ## 75 | -0.980659710 | -0.97856496 | -0.979207690 | -0.979060260 | -0.975281500 |
| ## 76 | -0.996567850 | -0.99570379 | -0.993810530 | -0.996988820 | -0.984929810 |
| ## 77 | -0.995277340 | -0.99726274 | -0.996405660 | -0.997307820 | -0.970358270 |
| ## 78 | -0.993919360 | -0.99439161 | -0.992714620 | -0.995609920 | -0.990016070 |
| ## 79 | -0.154044810 | -0.18468998 | -0.084326809 | -0.371772580 | -0.804081240 |
| ## 80 | -0.178445570 | -0.23065634 | -0.148632220 | -0.328694840 | -0.794269590 |
| ## 81 | -0.149438010 | -0.32125627 | -0.199307570 | -0.438663110 | -0.511963920 |
| ## 82 | -0.132222150 | -0.23261183 | -0.185612370 | -0.230926130 | -0.848193420 |
| ## 83 | -0.116087470 | -0.20103653 | -0.058491029 | -0.339918980 | -0.411283590 |
| ## 84 | -0.159020980 | -0.25781592 | -0.117092580 | -0.488179810 | -0.783466540 |
| ## 85 | -0.135439360 | -0.19450513 | -0.026957271 | -0.376729260 | -0.743801910 |
| ## 86 | -0.088076196 | -0.03299637 | 0.077706613  | -0.296776350 | -0.161123490 |
| ## 87 | -0.215903460 | -0.36040189 | -0.240656790 | -0.510153150 | -0.018009841 |
| ## 88 | -0.083012895 | -0.29820284 | -0.210982420 | -0.386896090 | -0.833038280 |
| ## 89 | -0.137112510 | -0.21444218 | -0.188305720 | -0.237076130 | -0.400104000 |
| ## 90 | -0.119448350 | -0.22363449 | -0.226720660 | -0.220100720 | -0.784312240 |
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| ## 92 | -0.102792800 | -0.09745663 | -0.055776075 | -0.178950960 | -0.477911000 |
| ## 93 | -0.037076583 | -0.15403764 | -0.131092730 | -0.153267550 | -0.272407890 |
| ## 94 | -0.033384888 | -0.23700181 | -0.144046190 | -0.420213030 | -0.465217250 |
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|        |              |             |              |              |              |
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| ## 150 | -0.137888200 | -0.28549435 | -0.135230410 | -0.550005740 | -0.757354920 |
| ## 151 | -0.490400000 | -0.61971628 | -0.511812120 | -0.691284350 | -0.606774190 |
| ## 152 | -0.545202910 | -0.66016737 | -0.577733360 | -0.735139720 | -0.678744090 |
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| ## 159 | -0.413108420 | -0.57356928 | -0.481425540 | -0.598178120 | -0.423130670 |
| ## 160 | -0.471099330 | -0.59802456 | -0.526202420 | -0.641105300 | -0.684957720 |
| ## 161 | -0.483479490 | -0.52685808 | -0.426180190 | -0.676417650 | -0.992760980 |
| ## 162 | -0.463826810 | -0.58657257 | -0.499075470 | -0.695207640 | -0.768174270 |
| ## 163 | -0.537715990 | -0.61130084 | -0.523640950 | -0.709236770 | -0.767585130 |
| ## 164 | -0.453953950 | -0.53201120 | -0.422916110 | -0.630925580 | -0.629534280 |
| ## 165 | -0.480385040 | -0.57627111 | -0.481918130 | -0.642212220 | -0.591421240 |
| ## 166 | -0.650319310 | -0.73395306 | -0.654645080 | -0.799825990 | -0.987639720 |
| ## 167 | -0.658561100 | -0.72379208 | -0.643617300 | -0.839420400 | -0.904466810 |
| ## 168 | -0.521539330 | -0.61648154 | -0.557282430 | -0.676482200 | -0.638354690 |
| ## 169 | -0.388769400 | -0.44235177 | -0.372182520 | -0.521022560 | -0.938793380 |
| ## 170 | -0.400605020 | -0.48524201 | -0.396427420 | -0.601849230 | -0.709808360 |
| ## 171 | -0.536967000 | -0.57001838 | -0.507990420 | -0.668775700 | -0.826927450 |
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| ## 176 | -0.275524720 | -0.31659799 | -0.168848440 | -0.586472000 | -0.397752690 |
| ## 177 | -0.985690920 | -0.98837036 | -0.984338250 | -0.992194920 | -0.990885710 |
| ##     | NA           | NA          | NA           | NA           | NA           |
| NA     |              |             |              |              |              |
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|        | 0.3469885300 |             |              |              |              |
| ## 2   | -0.990335490 | -0.9998669  | -0.991133890 | -1.000000000 | -0.8412698   |
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| ## 3   | -0.989280070 | -0.9998455  | -0.986657620 | -1.000000000 | -0.9047619   |
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| ## 4   | -0.992768920 | -0.9998948  | -0.988055240 | -1.000000000 | 1.0000000    |
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| ## 8   | -0.989851440 | -0.9998452  | -0.989676390 | -1.000000000 | -0.9682540   |
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| ##    | NA         | NA          | NA            | NA            | NA          |
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| ## 2  | -1.0000000 | -1.00000000 | 0.1580745400  | -0.5950509400 | -0.86149931 |
| ## 3  | -1.0000000 | -0.55555556 | 0.4145028100  | -0.3907481500 | -0.76010372 |
| ## 4  | -0.9556959 | -0.93650794 | 0.4045725300  | -0.1172902000 | -0.48284451 |
| ## 5  | -1.0000000 | -0.93650794 | 0.0877530130  | -0.3514709300 | -0.69920515 |
| ## 6  | -1.0000000 | -1.00000000 | 0.0199533100  | -0.5454101100 | -0.84461930 |
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| ## 16 | -1.0000000 | -0.07936508 | 0.6615399700  | -0.7821365100 | -0.95352020 |
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| ## 18 | -1.0000000 | -0.80952381 | 0.4286142100  | -0.3288989500 | -0.59686050 |
| ## 19 | -1.0000000 | -1.00000000 | 0.3484126400  | -0.5013006700 | -0.83824289 |
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| ## 21 | -1.0000000 | -0.80952381 | 0.6011337500  | -0.8338895700 | -0.96857963 |
| ## 22 | -1.0000000 | -0.93650794 | 0.5763390200  | -0.8481980300 | -0.95024737 |
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| ## 24 | -1.0000000 | -0.93650794 | 0.4681909300  | -0.9097857800 | -0.98659509 |
| ## 25 | -1.0000000 | -0.33333333 | 0.7300843500  | -0.7463820600 | -0.94166398 |
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| ## 28 | -0.7958862 | -1.00000000 | -0.2576072700 | 0.1561853000  | -0.24178130 |
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| ## 34 | -0.8713058 | -1.00000000 | 0.1234895100  | -0.1768117100 | -0.54858082 |
| ## 35 | -1.0000000 | -0.93650794 | 0.2009247500  | -0.5081272800 | -0.86266897 |
| ## 36 | -1.0000000 | -0.93650794 | 0.0545947810  | -0.4307437200 | -0.82318141 |
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| ## 39 | -0.9556959 | -0.90476190 | 0.1908948000  | -0.4444823800 | -0.81650184 |
| ## 40 | -1.0000000 | -0.65079365 | 0.2070365900  | -0.4673260900 | -0.82105451 |
| ## 41 | -1.0000000 | -0.55555556 | 0.1069484200  | -0.4898510300 | -0.85323158 |
| ## 42 | -1.0000000 | -0.90476190 | 0.2173128400  | -0.4310890100 | -0.77074801 |
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| ## 54 | -1.0000000 | -0.84126984 | 0.4375321400  | -0.5190843100 | -0.81303967 |
| ## 55 | -1.0000000 | -0.71428571 | 0.5438481700  | -0.8551394700 | -0.98402776 |
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| ## 62 | -1.0000000 | -0.93650794 | 0.6141518300  | -0.5846061000 | -0.77528459 |
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| ## 66 | -0.8713058 | -0.96825397 | 0.0438738220  | -0.3121101600 | -0.67548227 |
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| ## 68  | 0.1443033   | -1.00000000 | -0.6912192200 | -0.1570085300 | -0.56191796 |
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| ## 73  | -0.3510624  | -1.00000000 | -0.2695649900 | 0.2850845800  | -0.09160476 |
| ## 74  | -0.8287342  | -0.93650794 | 0.2927778200  | -0.3861117800 | -0.77042624 |
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| ## 78  | -1.00000000 | -0.80952381 | 0.4254729200  | -0.7181711300 | -0.93506965 |
| ## 79  | 0.5383088   | -0.90476190 | -0.1516417800 | -0.3121368900 | -0.67395058 |
| ## 80  | 0.4716551   | -0.87301587 | 0.1737092600  | -0.1766254400 | -0.58428353 |
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| ## 83  | 0.5898116   | -0.87301587 | 0.4151864400  | 0.0462393480  | -0.26919186 |
| ## 84  | 0.5704650   | -0.87301587 | 0.3353569700  | -0.2424583700 | -0.55257680 |
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| ## 94  | 0.5982714   | -0.90476190 | 0.1611026400  | -0.2623224500 | -0.62609741 |
| ## 95  | 0.6110235   | -0.87301587 | 0.0982239220  | -0.2602701400 | -0.60099427 |
| ## 96  | 0.6797007   | -0.87301587 | 0.1035837900  | -0.1095888600 | -0.42216552 |
| ## 97  | 0.6869697   | -0.90476190 | 0.1743448300  | -0.1869211200 | -0.49384468 |
| ## 98  | 0.6245834   | -0.90476190 | 0.2108131500  | -0.2428114000 | -0.56927603 |
| ## 99  | 0.5760444   | -0.87301587 | 0.2936991500  | -0.2413333300 | -0.55187161 |
| ## 100 | 0.4699232   | -0.87301587 | 0.3948549100  | -0.0483287520 | -0.37316280 |
| ## 101 | 0.6005987   | -0.87301587 | 0.3562601100  | 0.0040713823  | -0.26704180 |
| ## 102 | 0.6588716   | -0.87301587 | 0.2383139700  | 0.2785569100  | 0.03432269  |
| ## 103 | 0.6272565   | -0.87301587 | 0.0564785330  | -0.1846265100 | -0.54960683 |
| ## 104 | 0.5847700   | -0.87301587 | 0.3848584900  | -0.2056903900 | -0.51911727 |
| ## 105 | 0.5921058   | -0.87301587 | 0.4140957200  | -0.3276461700 | -0.63373341 |
| ## 106 | 0.5478086   | -0.87301587 | 0.3665951300  | -0.3950299400 | -0.64919349 |
| ## 107 | 0.5197906   | -0.87301587 | 0.2203890000  | -0.1199580000 | -0.44379143 |
| ## 108 | 0.5923307   | -0.87301587 | 0.0775928090  | 0.0844927310  | -0.18710903 |
| ## 109 | 0.5460768   | -0.87301587 | 0.1655629700  | -0.0966768530 | -0.37672629 |
| ## 110 | 0.5163845   | -0.90476190 | 0.2414844300  | -0.2079250000 | -0.59041372 |
| ## 111 | 0.5958899   | -0.90476190 | 0.04144466300 | -0.6232547300 | -0.89124865 |
| ## 112 | 0.5873304   | -0.87301587 | 0.1754617800  | -0.1091713000 | -0.44844837 |
| ## 113 | 0.4632073   | -0.87301587 | 0.2642732700  | 0.1239663700  | -0.18368135 |
| ## 114 | 0.5386959   | -0.87301587 | 0.2480218300  | -0.0473068940 | -0.36059448 |
| ## 115 | 0.6019271   | -0.87301587 | 0.2012964500  | 0.0594423530  | -0.22444915 |
| ## 116 | 0.5474473   | -0.87301587 | 0.1339104300  | -0.0003612047 | -0.41276796 |
| ## 117 | 0.6526393   | -0.87301587 | 0.0799232480  | -0.3174157000 | -0.66626897 |

|        |           |             |               |               |             |
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| ## 118 | 0.4808345 | -0.87301587 | 0.2623174400  | -0.2921580300 | -0.65602444 |
| ## 119 | 0.5661564 | -0.90476190 | 0.2100353600  | -0.2920756400 | -0.64701325 |
| ## 120 | 0.5251523 | -0.90476190 | 0.0781750220  | -0.2851854700 | -0.69624001 |
| ## 121 | 0.5267723 | -0.90476190 | 0.0828915820  | -0.1804281000 | -0.54215157 |
| ## 122 | 0.5507159 | -0.87301587 | 0.1389796800  | -0.4547713000 | -0.78753094 |
| ## 123 | 0.5106932 | -0.90476190 | 0.1960543500  | -0.4814671200 | -0.75226919 |
| ## 124 | 0.5051230 | -0.90476190 | 0.1697788100  | -0.5810097400 | -0.85618464 |
| ## 125 | 0.5970807 | -0.90476190 | 0.0557139620  | -0.3055499900 | -0.65765213 |
| ## 126 | 0.4773708 | -0.96825397 | 0.0020676879  | -0.2994248900 | -0.69116994 |
| ## 127 | 0.5909860 | -0.96825397 | -0.0615250130 | -0.4192888700 | -0.78169916 |
| ## 128 | 0.6901418 | -0.90476190 | -0.0009285913 | -0.3386454100 | -0.72914396 |
| ## 129 | 0.6004868 | -0.90476190 | 0.2936519100  | -0.2779943300 | -0.65627300 |
| ## 130 | 0.5032956 | -0.33333333 | 0.4489403000  | -0.6489900700 | -0.91684738 |
| ## 131 | 0.5766398 | -0.90476190 | 0.1583959400  | -0.2319507700 | -0.62703112 |
| ## 132 | 0.6228679 | -0.90476190 | 0.0007837935  | -0.3053153600 | -0.71706482 |
| ## 133 | 0.5155560 | -0.96825397 | 0.1692699100  | -0.4752742200 | -0.82304700 |
| ## 134 | 0.5032353 | -0.96825397 | 0.2798822800  | -0.3684737100 | -0.75361313 |
| ## 135 | 0.7212580 | -0.87301587 | 0.0622944110  | -0.3460433800 | -0.73261272 |
| ## 136 | 0.6413533 | -0.96825397 | 0.4221697500  | -0.4241041600 | -0.76814981 |
| ## 137 | 0.6691055 | -0.87301587 | 0.3353146500  | -0.4389266600 | -0.72882018 |
| ## 138 | 0.6922196 | -0.84126984 | 0.0274672870  | -0.3913719600 | -0.79501703 |
| ## 139 | 0.6251788 | -0.93650794 | 0.0848849230  | -0.2310517800 | -0.67927826 |
| ## 140 | 0.6390836 | -0.96825397 | 0.1792416900  | -0.2517046200 | -0.66882668 |
| ## 141 | 0.5489994 | -0.74603175 | 0.2929126700  | -0.5934816500 | -0.88647571 |
| ## 142 | 0.5409646 | -0.80952381 | 0.3732030300  | -0.6042860700 | -0.87676679 |
| ## 143 | 0.5249028 | -0.87301587 | 0.2433984900  | -0.8760421400 | -0.99466425 |
| ## 144 | 0.5446366 | -0.87301587 | 0.1790902800  | -0.5083457100 | -0.83070137 |
| ## 145 | 0.6234469 | -0.87301587 | 0.1497109400  | -0.4678187700 | -0.83985299 |
| ## 146 | 0.6678726 | -0.87301587 | 0.0704096110  | -0.3685420500 | -0.77672856 |
| ## 147 | 0.6306781 | -0.87301587 | 0.0304554930  | -0.5526038200 | -0.87490677 |
| ## 148 | 0.5810026 | -0.90476190 | 0.3167519200  | -0.5825539400 | -0.88660191 |
| ## 149 | 0.5941581 | -0.90476190 | 0.3422299000  | -0.6153147800 | -0.90082709 |
| ## 150 | 0.4781202 | -0.90476190 | 0.1363229000  | -0.6972542300 | -0.94101851 |
| ## 151 | 0.4102345 | -0.90476190 | -0.0066072733 | -0.3314703700 | -0.68594563 |
| ## 152 | 0.3917082 | -0.90476190 | 0.0598413330  | -0.2308114900 | -0.62155200 |
| ## 153 | 0.3852255 | -0.90476190 | 0.0421753790  | -0.5967528100 | -0.88181655 |
| ## 154 | 0.4041317 | -0.84126984 | 0.0357294090  | -0.5442092400 | -0.83419390 |
| ## 155 | 0.3823614 | -0.84126984 | -0.2082514200 | -0.4762936000 | -0.86253422 |
| ## 156 | 0.3567115 | -0.90476190 | -0.0563201720 | -0.5220328200 | -0.82199476 |
| ## 157 | 0.4109008 | -1.00000000 | 0.1364363600  | -0.3734326000 | -0.73275212 |
| ## 158 | 0.4064416 | -0.90476190 | 0.0882438120  | -0.2499341300 | -0.57235640 |
| ## 159 | 0.3245965 | -0.90476190 | 0.2898003000  | -0.6427789400 | -0.89386292 |
| ## 160 | 0.3225197 | -0.90476190 | 0.1636337600  | -0.1927685200 | -0.47931144 |
| ## 161 | 0.3368056 | -0.90476190 | 0.0109419930  | -0.6002536700 | -0.91258056 |
| ## 162 | 0.3390300 | -1.00000000 | 0.0569325730  | -0.3414782000 | -0.72333310 |
| ## 163 | 0.2563588 | -0.90476190 | 0.2262922300  | -0.4763913100 | -0.79673463 |
| ## 164 | 0.2625911 | -0.90476190 | 0.2572531600  | -0.4876809200 | -0.80676003 |
| ## 165 | 0.2195451 | -0.90476190 | 0.2263963900  | -0.5833219400 | -0.87791073 |
| ## 166 | 0.1745816 | -0.96825397 | 0.0292520520  | -0.4044535800 | -0.72984544 |
| ## 167 | 0.2367021 | -0.90476190 | 0.0224573150  | -0.5369909500 | -0.85683214 |

|        |               |              |               |               |             |
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| ## 168 | 0.2447102     | -0.90476190  | 0.1290343100  | -0.5935797200 | -0.88109366 |
| ## 169 | 0.3302334     | -0.90476190  | -0.0499360020 | -0.3928730100 | -0.76269564 |
| ## 170 | 0.3081212     | -0.90476190  | -0.0896030540 | -0.3658195000 | -0.72421874 |
| ## 171 | 0.2719983     | -0.80952381  | 0.0766943700  | -0.6041799900 | -0.91457365 |
| ## 172 | 0.2816441     | -1.00000000  | 0.0699577390  | -0.5957174200 | -0.91327660 |
| ## 173 | 0.3329353     | -0.80952381  | 0.1301925600  | -0.6057239000 | -0.90106345 |
| ## 174 | 0.3064573     | -0.84126984  | 0.1410482300  | -0.6105228600 | -0.85013883 |
| ## 175 | 0.3207460     | -0.90476190  | -0.0782934840 | -0.5454037300 | -0.87419542 |
| ## 176 | 0.2414172     | -0.84126984  | -0.1740794700 | -0.3425282700 | -0.75728683 |
| ## 177 | -0.8099757    | -0.96825397  | 0.0656836350  | -0.4972597600 | -0.79892446 |
| ##     | NA            | NA           | NA            | NA            | NA          |
| ## 1   | -0.1127543400 | 0.030400372  | -0.464761390  | -0.018445884  | -0.8412468  |
| ## 2   | 0.0534769550  | -0.007434566 | -0.732626210  | 0.703510590   | -0.8447876  |
| ## 3   | -0.1185592600 | 0.177899480  | 0.100699210   | 0.808529080   | -0.8489335  |
| ## 4   | -0.0367879730 | -0.012892494 | 0.640011040   | -0.485366450  | -0.8486494  |
| ## 5   | 0.1233200500  | 0.122541960  | 0.693578290   | -0.615970610  | -0.8478653  |
| ## 6   | 0.0826321550  | -0.143439010 | 0.275040750   | -0.368224040  | -0.8496316  |
| ## 7   | -0.2127540600 | -0.230621930 | 0.014636690   | -0.189511530  | -0.8521502  |
| ## 8   | -0.0208880150 | 0.593995810  | -0.561870670  | 0.467383330   | -0.8510167  |
| ## 9   | 0.0129540210  | 0.080936389  | -0.234312630  | 0.117797010   | -0.8479715  |
| ## 10  | -0.0205896460 | -0.127730180 | -0.482870540  | -0.070670135  | -0.8482944  |
| ## 11  | 0.0806994690  | 0.595790550  | -0.475802450  | 0.115930620   | -0.8515618  |
| ## 12  | 0.0017609637  | -0.065980273 | 0.578861120   | -0.651945130  | -0.8527234  |
| ## 13  | -0.0775517230 | -0.101221890 | 0.639083990   | 0.765484880   | -0.8506545  |
| ## 14  | 0.1056204700  | -0.090277545 | -0.132402800  | 0.498814190   | -0.8497727  |
| ## 15  | 0.0622966190  | -0.058719320 | 0.031207971   | -0.268791330  | -0.7309373  |
| ## 16  | -0.1218522200 | -0.029076714 | -0.013034217  | -0.056927156  | -0.7611008  |
| ## 17  | -0.0014463033 | -0.048109773 | -0.340473490  | -0.229154570  | -0.7591722  |
| ## 18  | -0.0283318580 | 0.092367048  | -0.822238610  | 0.367557440   | -0.7593633  |
| ## 19  | -0.1658491500 | -0.033006915 | -0.240571550  | 0.788192910   | -0.7610519  |
| ## 20  | 0.2449313100  | 0.102568970  | 0.066134774   | -0.411729480  | -0.7606202  |
| ## 21  | 0.1606073500  | 0.197773910  | 0.257657210   | -0.381102130  | -0.7605277  |
| ## 22  | -0.0023201840 | 0.150390830  | 0.142331320   | -0.853711290  | -0.7620229  |
| ## 23  | -0.0323374980 | -0.301298380 | 0.132575960   | -0.022379316  | -0.7615089  |
| ## 24  | -0.5428842400 | -0.249544510 | 0.006986179   | -0.235199540  | -0.7589601  |
| ## 25  | -0.0214455400 | 0.337009870  | -0.436684990  | -0.622922020  | -0.7589769  |
| ## 26  | 0.0256519910  | 0.066502648  | -0.226315510  | -0.225357990  | -0.7621967  |
| ## 27  | 0.2310603100  | 0.429282530  | 0.681154290   | 0.815225620   | -0.7637021  |
| ## 28  | 0.0135259730  | 0.043354353  | 0.021485361   | 0.046689153   | -0.6670846  |
| ## 29  | 0.1947347500  | -0.148055620 | 0.033529451   | -0.127027870  | -0.5648074  |
| ## 30  | -0.2286883400 | -0.097214562 | 0.024191641   | 0.006329124   | -0.5793674  |
| ## 31  | 0.1792231800  | 0.077594975  | 0.056348280   | -0.316726630  | -0.5828063  |
| ## 32  | 0.1147599500  | 0.114436210  | -0.070782460  | -0.001460983  | -0.5529392  |
| ## 33  | -0.0049131687 | 0.033987522  | -0.036067731  | 0.205112560   | -0.4183681  |
| ## 34  | -0.0123379320 | 0.094622460  | 0.029126625   | -0.134245210  | -0.3058841  |
| ## 35  | 0.0961930970  | -0.131374980 | 0.077639880   | -0.037327157  | -0.3091949  |
| ## 36  | 0.0643981520  | 0.300923870  | 0.117655440   | -0.046454587  | -0.3167322  |
| ## 37  | -0.0081442943 | 0.559317550  | 0.142526980   | -0.016025225  | -0.3145750  |
| ## 38  | -0.0742619280 | 0.324511330  | 0.161269690   | 0.192140510   | -0.3148856  |
| ## 39  | 0.3212502900  | -0.050327903 | 0.584279980   | -0.426198260  | -0.6543561  |

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| ## 40 | -0.0332840060 | -0.192608550 | 0.617873510  | -0.512405460 | -0.6507820 |
| ## 41 | -0.1437755800 | -0.235154520 | 0.689865800  | -0.573560570 | -0.6451461 |
| ## 42 | 0.0081153282  | 0.106761350  | 0.900588870  | -0.794045890 | -0.6465785 |
| ## 43 | 0.0461880310  | 0.251286790  | -0.506864840 | -0.583071760 | -0.6470622 |
| ## 44 | 0.0461273210  | 0.112450510  | -0.519914550 | -0.134551200 | -0.6451051 |
| ## 45 | 0.1248438700  | -0.378424150 | -0.641466180 | 0.341445110  | -0.6463337 |
| ## 46 | 0.0331936620  | 0.331452520  | -0.693793230 | 0.395252820  | -0.6479974 |
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| ## 48 | -0.1325788700 | -0.345562400 | 0.289201850  | 0.355138020  | -0.6460439 |
| ## 49 | 0.0265410280  | -0.286820710 | 0.785790040  | -0.300857290 | -0.6448514 |
| ## 50 | 0.1265118500  | 0.637388690  | -0.081017137 | -0.187249070 | -0.6432203 |
| ## 51 | -0.1750681300 | 0.266021650  | 0.285314860  | 0.465166740  | -0.6454598 |
| ## 52 | -0.0685798980 | -0.043105439 | -0.332248510 | 0.487505250  | 0.4324785  |
| ## 53 | -0.1130479400 | 0.223038100  | -0.393074660 | 0.359037150  | 0.3998533  |
| ## 54 | 0.2931448500  | -0.018634898 | -0.246979720 | 0.453923120  | 0.3990658  |
| ## 55 | 0.2405257400  | 0.149804360  | 0.393610910  | 0.386719130  | 0.3995548  |
| ## 56 | -0.3475187000 | -0.469154840 | 0.308854890  | -0.354146240 | 0.3988886  |
| ## 57 | -0.3276613300 | -0.689302550 | 0.397034800  | -0.310910610 | 0.3988974  |
| ## 58 | 0.7510889700  | 0.626431780  | 0.263400940  | -0.646225070 | 0.3988811  |
| ## 59 | 0.1984363000  | 0.241702010  | -0.011946523 | -0.096104861 | 0.3987777  |
| ## 60 | -0.0466892300 | -0.282930350 | 0.541432330  | 0.727894650  | 0.3980197  |
| ## 61 | -0.3282750400 | 0.447150500  | 0.079283632  | -0.108642230 | 0.3971343  |
| ## 62 | -0.2409816600 | -0.544387870 | -0.228994820 | -0.039423200 | 0.3973035  |
| ## 63 | -0.1965436500 | -0.665017330 | 0.772095840  | 0.775333580  | 0.3977580  |
| ## 64 | 0.1702030400  | 0.310624530  | 0.663555470  | 0.337821050  | 0.3977906  |
| ## 65 | 0.0334878560  | 0.061567529  | -0.514438170 | 0.240942860  | 0.2057594  |
| ## 66 | 0.1534405500  | -0.528678050 | -0.478887620 | 0.388870110  | 0.2785440  |
| ## 67 | 0.1394751700  | 0.039215644  | -0.495302820 | 0.082695923  | 0.2720829  |
| ## 68 | 0.0024180696  | -0.002366143 | -0.101877640 | 0.543206600  | 0.3787915  |
| ## 69 | -0.1093918400 | 0.121178870  | 0.002749453  | 0.098027740  | 0.5023862  |
| ## 70 | -0.1167685700 | -0.391404110 | 0.413596360  | 0.051019612  | 0.4945353  |
| ## 71 | 0.1528296200  | 0.149602360  | 0.127245050  | 0.192852070  | 0.5087332  |
| ## 72 | 0.1231081600  | 0.432539740  | -0.083445798 | 0.025647796  | 0.6682843  |
| ## 73 | -0.0007928036 | 0.267189470  | -0.186201930 | 0.098098759  | 0.7929702  |
| ## 74 | 0.4472253300  | 0.022634024  | -0.051352659 | 0.156333780  | 0.7969283  |
| ## 75 | -0.0283187270 | -0.115114940 | -0.044386256 | 0.058185081  | 0.7973937  |
| ## 76 | -0.1315768500 | 0.565616580  | -0.010565179 | 0.046694737  | 0.7991744  |
| ## 77 | 0.0894277650  | -0.191935090 | 0.377740900  | 0.071105431  | 0.7972570  |
| ## 78 | 0.1387421700  | -0.479116010 | 0.263321580  | -0.412015950 | 0.7964124  |
| ## 79 | -0.1608831200 | 0.564736320  | 0.912473220  | -0.412836070 | -0.7737066 |
| ## 80 | -0.0219768550 | 0.506609390  | -0.700053020 | -0.840942950 | -0.7671632 |
| ## 81 | 0.3720410300  | -0.106183570 | -0.923835330 | 0.344459190  | -0.7574139 |
| ## 82 | -0.3785736400 | -0.582073330 | -0.886348740 | 0.063337412  | -0.7625343 |
| ## 83 | -0.0729063780 | 0.656842080  | -0.291200050 | 0.077922024  | -0.7639681 |
| ## 84 | 0.2279383100  | 0.011124233  | 0.272253810  | 0.207345250  | -0.7661857 |
| ## 85 | -0.1482182400 | -0.552254850 | 0.205244310  | 0.377500410  | -0.7766768 |
| ## 86 | 0.1754768800  | 0.551512200  | -0.221460600 | -0.688191320 | -0.7842253 |
| ## 87 | -0.5161541400 | 0.461593890  | 0.921734830  | -0.367224050 | -0.7601763 |
| ## 88 | -0.0769055250 | 0.525659440  | 0.500027690  | -0.643309590 | -0.7641134 |
| ## 89 | 0.8347709900  | -0.849025300 | -0.357327500 | -0.170313160 | -0.7654885 |

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| ## 90  | -0.1581363300 | -0.759188590 | -0.270994760 | 0.201838520  | -0.7646006 |
| ## 91  | -0.1657555900 | 0.648271640  | 0.303367780  | 0.822135870  | -0.7602417 |
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| ## 93  | -0.4227126300 | -0.356212950 | -0.403728040 | -0.169087180 | -0.7559765 |
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