

Activity 3 - MLR

```
# install packages
library(tidyverse)
library(tidymodels)
library(ggthemes)
library(GGally)
```

import data data dictionary : <https://www.epa.gov/smartgrowth/smart-location-mapping#walkability>

```
# "https://edg.epa.gov/EPADDataCommons/public/DA/EPA_SmartLocationDatabase_V3_Jan_2021_Final.csv" # too big for git
# walkable <- read.csv("~/gvsu/summer 23/stat 631/data(too big for git)/walkable_2021.csv") %>%
#   mutate(large_pop = if_else(TotPop > 2500, 1, 0)) # breaks the population into two segments so i can

#
# walkit <- walkable %>%
#   filter( STATEFP == '26')
#
# write.csv(walkit, "mi_walkable_2021.csv")
# walkit <- read.csv("mi_walkable_2021.csv")
```

```
# set.seed(155)
# walkit_samp <- walkable %>%
#   slice_sample(n= 500)
#
# walkit_samp
# write_csv(walkit_samp, "walkit_samp.csv")
```

w

```
walkit_samp<- read.csv("walkit_samp.csv")
```

```
# set seed before random split
set.seed(165)
# put 80% of the data into the training set
walkit_ss <- initial_split(walkit_samp, prop = 0.80)

# assign the two splits to data frames - with descriptive names
walkit_ss_train <- training(walkit_ss)
walkit_ss_test <- testing(walkit_ss)

# splits
walkit_ss_train
```

```
##      OBJECTID      GEOID10      GEOID20 STATEFP COUNTYFP TRACTCE BLKGRPCE CSA
```

| | | | | | | | |
|--------|--------|--------------|--------------|----|-----|--------|-------|
| ## 429 | 213990 | 551332000000 | 551332000000 | 55 | 133 | 204004 | 1 376 |
| ## 297 | 21000 | 511210000000 | 511210000000 | 51 | 121 | 20500 | 2 NA |
| ## 221 | 3010 | 484391000000 | 484391000000 | 48 | 439 | 106517 | 2 206 |
| ## 83 | 63589 | 120111000000 | 120111000000 | 12 | 11 | 60503 | 3 370 |
| ## 431 | 93051 | 180431000000 | 180431000000 | 18 | 43 | 71104 | 2 350 |
| ## 284 | 161547 | 361032000000 | 361032000000 | 36 | 103 | 170202 | 1 408 |
| ## 159 | 149384 | 360810000000 | 360810000000 | 36 | 81 | 23600 | 2 408 |
| ## 263 | 156726 | 360150000000 | 360150000000 | 36 | 15 | 10300 | 2 236 |
| ## 435 | 93310 | 181570000000 | 181570000000 | 18 | 157 | 1700 | 1 320 |
| ## 302 | 93847 | 180330000000 | 180330000000 | 18 | 33 | 20800 | 3 258 |
| ## 485 | 39760 | 60590218091 | 60590218091 | 6 | 59 | 21809 | 1 348 |
| ## 250 | 203606 | 470631000000 | 470631000000 | 47 | 63 | 101000 | 2 315 |
| ## 410 | 153234 | 360290000000 | 360290000000 | 36 | 29 | 5700 | 3 160 |
| ## 445 | 163999 | 360471000000 | 360471000000 | 36 | 47 | 89800 | 2 408 |
| ## 63 | 187988 | 420893000000 | 420893000000 | 42 | 89 | 300600 | 2 408 |
| ## 247 | 110647 | 240338000000 | 240338000000 | 24 | 33 | 802407 | 1 548 |
| ## 415 | 178100 | 391034000000 | 391034000000 | 39 | 103 | 417000 | 2 184 |
| ## 194 | 160315 | 360290000000 | 360290000000 | 36 | 29 | 9200 | 4 160 |
| ## 390 | 132825 | 291892000000 | 291892000000 | 29 | 189 | 221421 | 1 476 |
| ## 191 | 72523 | 120910000000 | 120910000000 | 12 | 91 | 21200 | 1 NA |
| ## 477 | 4025 | 480291000000 | 480291000000 | 48 | 29 | 120902 | 4 484 |
| ## 468 | 176968 | 391517000000 | 391517000000 | 39 | 151 | 701200 | 1 184 |
| ## 70 | 78999 | 150010000000 | 150010000000 | 15 | 1 | 20600 | 3 NA |
| ## 229 | 208112 | 530531000000 | 530531000000 | 53 | 53 | 62300 | 1 500 |
| ## 97 | 11012 | 484910000000 | 484910000000 | 48 | 491 | 20114 | 2 NA |
| ## 112 | 143205 | 340210000000 | 340210000000 | 34 | 21 | 2701 | 2 408 |
| ## 458 | 200248 | 470340000000 | 470340000000 | 47 | 33 | 961400 | 1 297 |
| ## 126 | 97648 | 190610000000 | 190610000000 | 19 | 61 | 1201 | 2 NA |
| ## 434 | 57838 | 80010085462 | 80010085462 | 8 | 1 | 8546 | 2 216 |
| ## 372 | 164556 | 370230000000 | 370230000000 | 37 | 23 | 21201 | 2 NA |
| ## 171 | 49345 | 60379800261 | 60379800261 | 6 | 37 | 980026 | 1 348 |
| ## 455 | 897 | 480291000000 | 480291000000 | 48 | 29 | 131402 | 1 484 |
| ## 432 | 200252 | 470650000000 | 470650000000 | 47 | 65 | 600 | 1 174 |
| ## 437 | 131998 | 291892000000 | 291892000000 | 29 | 189 | 211700 | 4 476 |
| ## 215 | 22489 | 10970032031 | 10970032031 | 1 | 97 | 3203 | 1 380 |
| ## 441 | 160660 | 360380000000 | 360380000000 | 36 | 37 | 950200 | 4 464 |
| ## 213 | 142904 | 340057000000 | 340057000000 | 34 | 5 | 702809 | 1 428 |
| ## 118 | 114189 | 250093000000 | 250093000000 | 25 | 9 | 266300 | 3 148 |
| ## 456 | 45537 | 60371064082 | 60371064082 | 6 | 37 | 106408 | 2 348 |
| ## 58 | 15646 | 480410000000 | 480410000000 | 48 | 41 | 202 | 2 NA |
| ## 379 | 65046 | 120860000000 | 120860000000 | 12 | 86 | 127 | 1 370 |
| ## 407 | 57360 | 80590110006 | 80590110006 | 8 | 59 | 11000 | 6 216 |
| ## 422 | 24734 | 20200017323 | 20200017323 | 2 | 20 | 1732 | 3 NA |
| ## 351 | 25723 | 40190037041 | 40190037041 | 4 | 19 | 3704 | 1 536 |
| ## 452 | 68571 | 121150000000 | 121150000000 | 12 | 115 | 1204 | 2 412 |
| ## 366 | 124382 | 260810000000 | 260810000000 | 26 | 81 | 1800 | 1 266 |
| ## 397 | 4109 | 480292000000 | 480292000000 | 48 | 29 | 181902 | 2 484 |
| ## 201 | 155160 | 360130000000 | 360130000000 | 36 | 13 | 36902 | 2 NA |
| ## 10 | 160664 | 360571000000 | 360571000000 | 36 | 57 | 70300 | 2 104 |
| ## 480 | 54674 | 80439790001 | 80439790001 | 8 | 43 | 979000 | 1 444 |
| ## 446 | 164535 | 370510000000 | 370510000000 | 37 | 51 | 1700 | 1 246 |
| ## 82 | 84728 | 170979000000 | 170979000000 | 17 | 97 | 865600 | 2 176 |
| ## 151 | 2624 | 484790000000 | 484790000000 | 48 | 479 | 1810 | 2 NA |
| ## 236 | 168959 | 371510000000 | 371510000000 | 37 | 151 | 31305 | 2 268 |

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|--------|--------|--------------|--------------|----|-----|--------|-------|
| ## 237 | 45481 | 60670012003 | 60670012003 | 6 | 67 | 1200 | 3 472 |
| ## 479 | 181401 | 400120000000 | 400120000000 | 40 | 11 | 958700 | 1 NA |
| ## 383 | 205963 | 500070000000 | 500070000000 | 50 | 7 | 2101 | 1 162 |
| ## 75 | 40591 | 60376703244 | 60376703244 | 6 | 37 | 670324 | 4 348 |
| ## 350 | 184144 | 410510000000 | 410510000000 | 41 | 51 | 7100 | 2 440 |
| ## 310 | 34361 | 60376513021 | 60376513021 | 6 | 37 | 651302 | 1 348 |
| ## 475 | 188171 | 420850000000 | 420850000000 | 42 | 85 | 32200 | 2 566 |
| ## 101 | 104543 | 220550000000 | 220550000000 | 22 | 55 | 1403 | 2 318 |
| ## 65 | 107371 | 230160000000 | 230160000000 | 23 | 15 | 975300 | 4 NA |
| ## 291 | 60176 | 90010505001 | 90010505001 | 9 | 1 | 50500 | 1 408 |
| ## 199 | 167494 | 371790000000 | 371790000000 | 37 | 179 | 21015 | 2 172 |
| ## 436 | 198276 | 450190000000 | 450190000000 | 45 | 19 | 4702 | 1 NA |
| ## 387 | 162675 | 360595000000 | 360595000000 | 36 | 59 | 519702 | 4 408 |
| ## 100 | 151387 | 361031000000 | 361031000000 | 36 | 103 | 146402 | 1 408 |
| ## 334 | 23865 | 10810409013 | 10810409013 | 1 | 81 | 40901 | 3 194 |
| ## 439 | 109743 | 240054000000 | 240054000000 | 24 | 5 | 411407 | 4 548 |
| ## 87 | 99673 | 201690000000 | 201690000000 | 20 | 169 | 300 | 3 NA |
| ## 333 | 56805 | 80050812002 | 80050812002 | 8 | 5 | 81200 | 2 216 |
| ## 184 | 166769 | 370670000000 | 370670000000 | 37 | 67 | 2002 | 2 268 |
| ## 186 | 33436 | 60377015011 | 60377015011 | 6 | 37 | 701501 | 1 348 |
| ## 49 | 128035 | 270333000000 | 270333000000 | 27 | 33 | 270200 | 3 NA |
| ## 357 | 195322 | 420032000000 | 420032000000 | 42 | 3 | 151600 | 3 430 |
| ## 224 | 208816 | 530531000000 | 530531000000 | 53 | 53 | 70203 | 3 500 |
| ## 486 | 208379 | 530730000000 | 530730000000 | 53 | 73 | 10600 | 2 NA |
| ## 164 | 88732 | 170899000000 | 170899000000 | 17 | 89 | 852803 | 2 176 |
| ## 226 | 63946 | 120330000000 | 120330000000 | 12 | 33 | 2900 | 4 426 |
| ## 404 | 81061 | 171979000000 | 171979000000 | 17 | 197 | 880107 | 4 176 |
| ## 272 | 52180 | 60530142012 | 60530142012 | 6 | 53 | 14201 | 2 NA |
| ## 238 | 133469 | 290271000000 | 290271000000 | 29 | 27 | 70500 | 4 NA |
| ## 140 | 7516 | 482180000000 | 482180000000 | 48 | 217 | 961100 | 1 NA |
| ## 31 | 28187 | 40250005001 | 40250005001 | 4 | 25 | 500 | 1 NA |
| ## 313 | 86930 | 170950000000 | 170950000000 | 17 | 95 | 1200 | 1 NA |
| ## 359 | 193329 | 420971000000 | 420971000000 | 42 | 97 | 80400 | 2 146 |
| ## 181 | 77849 | 131030000000 | 131030000000 | 13 | 103 | 30100 | 1 496 |
| ## 90 | 43657 | 60750228031 | 60750228031 | 6 | 75 | 22803 | 1 488 |
| ## 444 | 136962 | 310020000000 | 310020000000 | 31 | 1 | 965600 | 4 NA |
| ## 85 | 140757 | 330130000000 | 330130000000 | 33 | 13 | 3001 | 2 148 |
| ## 187 | 68216 | 120570000000 | 120570000000 | 12 | 57 | 11509 | 3 NA |
| ## 30 | 212406 | 540390000000 | 540390000000 | 54 | 39 | 10400 | 2 170 |
| ## 304 | 34022 | 60290009102 | 60290009102 | 6 | 29 | 910 | 2 NA |
| ## 202 | 27921 | 40130405184 | 40130405184 | 4 | 13 | 40518 | 4 429 |
| ## 37 | 15594 | 484930000000 | 484930000000 | 48 | 493 | 102 | 1 484 |
| ## 287 | 160808 | 361031000000 | 361031000000 | 36 | 103 | 122603 | 1 408 |
| ## 471 | 122675 | 261636000000 | 261636000000 | 26 | 163 | 566600 | 1 220 |
| ## 314 | 33228 | 60670082032 | 60670082032 | 6 | 67 | 8203 | 2 472 |
| ## 36 | 116000 | 250057000000 | 250057000000 | 25 | 5 | 652500 | 2 148 |
| ## 5 | 77735 | 131620000000 | 131620000000 | 13 | 161 | 960300 | 2 NA |
| ## 108 | 40598 | 60830007004 | 60830007004 | 6 | 83 | 700 | 4 NA |
| ## 47 | 171715 | 391131000000 | 391131000000 | 39 | 113 | 70400 | 2 212 |
| ## 89 | 120064 | 261635000000 | 261635000000 | 26 | 163 | 503500 | 1 220 |
| ## 454 | 30645 | 51174603002 | 51174603002 | 5 | 117 | 460300 | 2 NA |
| ## 336 | 123661 | 261252000000 | 261252000000 | 26 | 125 | 184400 | 2 220 |
| ## 252 | 2305 | 483610000000 | 483610000000 | 48 | 361 | 21600 | 1 NA |
| ## 464 | 184148 | 410510000000 | 410510000000 | 41 | 51 | 1801 | 2 440 |

| | | | | | | | |
|--------|--------|--------------|--------------|----|-----|--------|-------|
| ## 212 | 131988 | 291400000000 | 291400000000 | 29 | 139 | 970400 | 3 NA |
| ## 233 | 176235 | 390352000000 | 390352000000 | 39 | 35 | 181100 | 2 184 |
| ## 428 | 69131 | 120860000000 | 120860000000 | 12 | 86 | 414 | 3 370 |
| ## 154 | 124753 | 260591000000 | 260591000000 | 26 | 59 | 51200 | 3 NA |
| ## 40 | 58085 | 80050065022 | 80050065022 | 8 | 5 | 6502 | 2 216 |
| ## 356 | 185199 | 410430000000 | 410430000000 | 41 | 43 | 30401 | 2 440 |
| ## 473 | 22591 | 11010004007 | 11010004007 | 1 | 101 | 400 | 7 388 |
| ## 133 | 40051 | 60014501011 | 60014501011 | 6 | 1 | 450101 | 1 488 |
| ## 152 | 44404 | 60371895002 | 60371895002 | 6 | 37 | 189500 | 2 348 |
| ## 4 | 100250 | 211839000000 | 211839000000 | 21 | 183 | 920300 | 1 NA |
| ## 56 | 54997 | 80010600002 | 80010600002 | 8 | 1 | 60000 | 2 216 |
| ## 384 | 142650 | 340297000000 | 340297000000 | 34 | 29 | 731101 | 1 408 |
| ## 145 | 169862 | 370100000000 | 370100000000 | 37 | 9 | 970300 | 1 NA |
| ## 234 | 22993 | 10690403011 | 10690403011 | 1 | 69 | 40301 | 1 222 |
| ## 361 | 156917 | 360811000000 | 360811000000 | 36 | 81 | 103300 | 1 408 |
| ## 348 | 124590 | 261251000000 | 261251000000 | 26 | 125 | 144300 | 1 220 |
| ## 197 | 66984 | 120091000000 | 120091000000 | 12 | 9 | 61201 | 2 NA |
| ## 136 | 142961 | 340230000000 | 340230000000 | 34 | 23 | 8606 | 3 408 |
| ## 192 | 155211 | 360550000000 | 360550000000 | 36 | 55 | 8500 | 3 464 |
| ## 258 | 199801 | 460830000000 | 460830000000 | 46 | 83 | 10108 | 1 NA |
| ## 61 | 7886 | 481130000000 | 481130000000 | 48 | 113 | 13004 | 4 206 |
| ## 240 | 32318 | 60377018013 | 60377018013 | 6 | 37 | 701801 | 3 348 |
| ## 293 | 6348 | 481350000000 | 481350000000 | 48 | 135 | 500 | 1 372 |
| ## 255 | 130042 | 281140000000 | 281140000000 | 28 | 113 | 950700 | 4 NA |
| ## 245 | 22575 | 11010059023 | 11010059023 | 1 | 101 | 5902 | 3 388 |
| ## 77 | 20484 | 518100000000 | 518100000000 | 51 | 810 | 45809 | 3 545 |
| ## 156 | 25052 | 20900015003 | 20900015003 | 2 | 90 | 1500 | 3 NA |
| ## 43 | 33617 | 60855043154 | 60855043154 | 6 | 85 | 504315 | 4 488 |
| ## 474 | 140611 | 330151000000 | 330151000000 | 33 | 15 | 54000 | 2 148 |
| ## 449 | 218227 | 721355000000 | 721355000000 | 72 | 135 | 510602 | 1 490 |
| ## 214 | 63818 | 121114000000 | 121114000000 | 12 | 111 | 381101 | 4 370 |
| ## 91 | 33769 | 60133710006 | 60133710006 | 6 | 13 | 371000 | 6 488 |
| ## 285 | 16568 | 510691000000 | 510691000000 | 51 | 69 | 50200 | 2 548 |
| ## 364 | 145384 | 340258000000 | 340258000000 | 34 | 25 | 801900 | 4 408 |
| ## 178 | 130842 | 280920000000 | 280920000000 | 28 | 91 | 950200 | 2 NA |
| ## 93 | 14407 | 481130000000 | 481130000000 | 48 | 113 | 14307 | 3 206 |
| ## 84 | 189577 | 421010000000 | 421010000000 | 42 | 101 | 31800 | 4 428 |
| ## 146 | 41522 | 60378003273 | 60378003273 | 6 | 37 | 800327 | 3 348 |
| ## 64 | 3477 | 484910000000 | 484910000000 | 48 | 491 | 20311 | 2 NA |
| ## 326 | 41240 | 60730173044 | 60730173044 | 6 | 73 | 17304 | 4 NA |
| ## 273 | 22224 | 10499604005 | 10499604005 | 1 | 49 | 960400 | 5 497 |
| ## 355 | 39947 | 60590219161 | 60590219161 | 6 | 59 | 21916 | 1 348 |
| ## 228 | 201877 | 470650000000 | 470650000000 | 47 | 65 | 11201 | 1 174 |
| ## 117 | 138605 | 320030000000 | 320030000000 | 32 | 3 | 1005 | 1 332 |
| ## 29 | 168539 | 371319000000 | 371319000000 | 37 | 131 | 920300 | 4 468 |
| ## 45 | 114208 | 250093000000 | 250093000000 | 25 | 9 | 266400 | 3 148 |
| ## 176 | 196406 | 440091000000 | 440091000000 | 44 | 9 | 51502 | 3 148 |
| ## 198 | 8833 | 481410000000 | 481410000000 | 48 | 141 | 1001 | 2 238 |
| ## 488 | 111401 | 240200000000 | 240200000000 | 24 | 19 | 970300 | 1 480 |
| ## 35 | 92620 | 180973000000 | 180973000000 | 18 | 97 | 310108 | 2 294 |
| ## 54 | 87241 | 170318000000 | 170318000000 | 17 | 31 | 826201 | 2 176 |
| ## 208 | 220286 | 721520000000 | 721520000000 | 72 | 151 | 951100 | 1 490 |
| ## 402 | 132962 | 290131000000 | 290131000000 | 29 | 13 | 70100 | 1 312 |
| ## 417 | 30896 | 51190019005 | 51190019005 | 5 | 119 | 1900 | 5 340 |

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|--------|--------|--------------|--------------|----|-----|--------|-------|
| ## 345 | 14005 | 481577000000 | 481577000000 | 48 | 157 | 670500 | 2 288 |
| ## 60 | 66688 | 120310000000 | 120310000000 | 12 | 31 | 13902 | 1 300 |
| ## 105 | 131674 | 290694000000 | 290694000000 | 29 | 69 | 361000 | 2 NA |
| ## 283 | 100762 | 210472000000 | 210472000000 | 21 | 47 | 201503 | 3 NA |
| ## 210 | 40652 | 60650420051 | 60650420051 | 6 | 65 | 42005 | 1 348 |
| ## 207 | 149874 | 360050000000 | 360050000000 | 36 | 5 | 2000 | 3 408 |
| ## 487 | 61526 | 110010000000 | 110010000000 | 11 | 1 | 1001 | 6 548 |
| ## 33 | 67001 | 120091000000 | 120091000000 | 12 | 9 | 62400 | 1 NA |
| ## 267 | 27742 | 40130923081 | 40130923081 | 4 | 13 | 92308 | 1 429 |
| ## 163 | 93704 | 180030000000 | 180030000000 | 18 | 3 | 10307 | 2 258 |
| ## 81 | 7418 | 483030000000 | 483030000000 | 48 | 303 | 2001 | 2 352 |
| ## 223 | 111996 | 250251000000 | 250251000000 | 25 | 25 | 100900 | 4 148 |
| ## 386 | 107355 | 230240000000 | 230240000000 | 23 | 23 | 970400 | 2 438 |
| ## 343 | 27626 | 40131119001 | 40131119001 | 4 | 13 | 111900 | 1 429 |
| ## 137 | 164141 | 360610000000 | 360610000000 | 36 | 61 | 12800 | 3 408 |
| ## 483 | 116331 | 250174000000 | 250174000000 | 25 | 17 | 356701 | 4 148 |
| ## 71 | 64946 | 120530000000 | 120530000000 | 12 | 53 | 40303 | 1 NA |
| ## 358 | 102760 | 210190000000 | 210190000000 | 21 | 19 | 30900 | 3 170 |
| ## 323 | 4640 | 483090000000 | 483090000000 | 48 | 309 | 2600 | 4 NA |
| ## 385 | 181789 | 400697000000 | 400697000000 | 40 | 69 | 660300 | 1 NA |
| ## 261 | 201430 | 471650000000 | 471650000000 | 47 | 165 | 21103 | 2 400 |
| ## 17 | 33886 | 60374321025 | 60374321025 | 6 | 37 | 432102 | 5 348 |
| ## 275 | 32188 | 60375533001 | 60375533001 | 6 | 37 | 553300 | 1 348 |
| ## 338 | 6482 | 484391000000 | 484391000000 | 48 | 439 | 103602 | 1 206 |
| ## 315 | 189070 | 420293000000 | 420293000000 | 42 | 29 | 303902 | 2 428 |
| ## 189 | 138140 | 311090000000 | 311090000000 | 31 | 109 | 2300 | 1 339 |
| ## 243 | 32467 | 60014403351 | 60014403351 | 6 | 1 | 440335 | 1 488 |
| ## 179 | 183461 | 410510000000 | 410510000000 | 41 | 51 | 5200 | 3 440 |
| ## 107 | 87013 | 170730000000 | 170730000000 | 17 | 73 | 30100 | 4 209 |
| ## 305 | 136429 | 300130000000 | 300130000000 | 30 | 13 | 10800 | 2 NA |
| ## 248 | 50560 | 60411321002 | 60411321002 | 6 | 41 | 132100 | 2 488 |
| ## 419 | 5866 | 480850000000 | 480850000000 | 48 | 85 | 31657 | 2 206 |
| ## 395 | 163093 | 360610000000 | 360610000000 | 36 | 61 | 23100 | 3 408 |
| ## 496 | 212743 | 540490000000 | 540490000000 | 54 | 49 | 21500 | 2 390 |
| ## 86 | 105499 | 220510000000 | 220510000000 | 22 | 51 | 24800 | 1 406 |
| ## 438 | 32954 | 60470009022 | 60470009022 | 6 | 47 | 902 | 2 488 |
| ## 282 | 197217 | 450150000000 | 450150000000 | 45 | 15 | 20401 | 2 NA |
| ## 23 | 203345 | 470370000000 | 470370000000 | 47 | 37 | 17702 | 1 400 |
| ## 321 | 32840 | 60590759024 | 60590759024 | 6 | 59 | 75902 | 4 348 |
| ## 406 | 29445 | 51139501003 | 51139501003 | 5 | 113 | 950100 | 3 NA |
| ## 51 | 632 | 481130000000 | 481130000000 | 48 | 113 | 14203 | 3 206 |
| ## 55 | 165376 | 371330000000 | 371330000000 | 37 | 133 | 2202 | 4 NA |
| ## 106 | 102046 | 211171000000 | 211171000000 | 21 | 117 | 63605 | 3 178 |
| ## 427 | 4046 | 484510000000 | 484510000000 | 48 | 451 | 400 | 3 NA |
| ## 290 | 26698 | 40134202091 | 40134202091 | 4 | 13 | 420209 | 1 429 |
| ## 324 | 82981 | 170312000000 | 170312000000 | 17 | 31 | 230900 | 1 176 |
| ## 15 | 146671 | 340230000000 | 340230000000 | 34 | 23 | 4500 | 2 408 |
| ## 303 | 106335 | 220710000000 | 220710000000 | 22 | 71 | 10300 | 1 406 |
| ## 169 | 170941 | 380720000000 | 380720000000 | 38 | 71 | 957800 | 4 NA |
| ## 116 | 204134 | 470160000000 | 470160000000 | 47 | 15 | 960200 | 3 400 |
| ## 102 | 98046 | 201680000000 | 201680000000 | 20 | 167 | 973900 | 3 NA |
| ## 262 | 61020 | 100030000000 | 100030000000 | 10 | 3 | 16302 | 1 428 |
| ## 448 | 120590 | 261251000000 | 261251000000 | 26 | 125 | 122700 | 1 220 |
| ## 380 | 132101 | 290997000000 | 290997000000 | 29 | 99 | 700109 | 3 476 |

| | | | | | | | |
|--------|--------|--------------|--------------|----|-----|--------|-------|
| ## 418 | 205419 | 490351000000 | 490351000000 | 49 | 35 | 113101 | 1 482 |
| ## 489 | 127699 | 270132000000 | 270132000000 | 27 | 13 | 170400 | 1 359 |
| ## 235 | 131469 | 290770000000 | 290770000000 | 29 | 77 | 4400 | 2 NA |
| ## 457 | 20823 | 510131000000 | 510131000000 | 51 | 13 | 101200 | 2 548 |
| ## 244 | 82271 | 170438000000 | 170438000000 | 17 | 43 | 846521 | 1 176 |
| ## 25 | 107396 | 230080000000 | 230080000000 | 23 | 7 | 971300 | 3 NA |
| ## 281 | 152437 | 360150000000 | 360150000000 | 36 | 15 | 700 | 2 236 |
| ## 119 | 10387 | 481130000000 | 481130000000 | 48 | 113 | 19037 | 3 206 |
| ## 400 | 106784 | 220920000000 | 220920000000 | 22 | 91 | 951100 | 1 NA |
| ## 481 | 110764 | 240037000000 | 240037000000 | 24 | 3 | 730601 | 4 548 |
| ## 180 | 163197 | 360050000000 | 360050000000 | 36 | 5 | 6700 | 3 408 |
| ## 482 | 82984 | 170318000000 | 170318000000 | 17 | 31 | 806102 | 1 176 |
| ## 319 | 132357 | 295101000000 | 295101000000 | 29 | 510 | 126900 | 1 476 |
| ## 38 | 102019 | 211171000000 | 211171000000 | 21 | 117 | 66800 | 2 178 |
| ## 388 | 78973 | 150030000000 | 150030000000 | 15 | 3 | 8617 | 1 NA |
| ## 309 | 202404 | 470575000000 | 470575000000 | 47 | 57 | 500200 | 1 315 |
| ## 78 | 58192 | 90034842002 | 90034842002 | 9 | 3 | 484200 | 2 278 |
| ## 7 | 143957 | 340270000000 | 340270000000 | 34 | 27 | 42700 | 1 408 |
| ## 12 | 182837 | 401370000000 | 401370000000 | 40 | 137 | 101 | 1 NA |
| ## 211 | 190944 | 421150000000 | 421150000000 | 42 | 115 | 32200 | 4 NA |
| ## 167 | 176743 | 391131000000 | 391131000000 | 39 | 113 | 60100 | 2 212 |
| ## 377 | 213121 | 550792000000 | 550792000000 | 55 | 79 | 185200 | 1 376 |
| ## 332 | 47240 | 60133551141 | 60133551141 | 6 | 13 | 355114 | 1 488 |
| ## 144 | 19711 | 517700000000 | 517700000000 | 51 | 770 | 2300 | 2 NA |
| ## 260 | 74883 | 130510000000 | 130510000000 | 13 | 51 | 4001 | 1 496 |
| ## 453 | 183462 | 410510000000 | 410510000000 | 41 | 51 | 4800 | 3 440 |
| ## 491 | 93972 | 180973000000 | 180973000000 | 18 | 97 | 321700 | 1 294 |
| ## 52 | 5442 | 480610000000 | 480610000000 | 48 | 61 | 10601 | 2 154 |
| ## 206 | 56687 | 80310009021 | 80310009021 | 8 | 31 | 902 | 1 216 |
| ## 160 | 13144 | 481130000000 | 481130000000 | 48 | 113 | 20200 | 2 206 |
| ## 277 | 186726 | 420480000000 | 420480000000 | 42 | 47 | 951100 | 2 NA |
| ## 88 | 141726 | 340030000000 | 340030000000 | 34 | 3 | 23602 | 1 408 |
| ## 1 | 93966 | 180890000000 | 180890000000 | 18 | 89 | 21400 | 2 176 |
| ## 426 | 192593 | 420035000000 | 420035000000 | 42 | 3 | 520002 | 3 430 |
| ## 353 | 23150 | 11010061001 | 11010061001 | 1 | 101 | 6100 | 1 388 |
| ## 157 | 12559 | 482013000000 | 482013000000 | 48 | 201 | 340600 | 1 288 |
| ## 368 | 139761 | 320310000000 | 320310000000 | 32 | 31 | 1014 | 1 456 |
| ## 365 | 149219 | 360810000000 | 360810000000 | 36 | 81 | 28900 | 3 408 |
| ## 57 | 198209 | 450190000000 | 450190000000 | 45 | 19 | 5400 | 1 NA |
| ## 493 | 169696 | 370270000000 | 370270000000 | 37 | 27 | 30400 | 2 NA |
| ## 259 | 118453 | 260591000000 | 260591000000 | 26 | 59 | 50500 | 2 NA |
| ## 265 | 89925 | 170451000000 | 170451000000 | 17 | 45 | 70400 | 4 NA |
| ## 307 | 129128 | 270371000000 | 270371000000 | 27 | 37 | 60505 | 4 378 |
| ## 170 | 67278 | 120530000000 | 120530000000 | 12 | 53 | 41004 | 2 NA |
| ## 121 | 216678 | 550350000000 | 550350000000 | 55 | 35 | 802 | 1 232 |
| ## 276 | 215289 | 551380000000 | 551380000000 | 55 | 137 | 960800 | 4 NA |
| ## 394 | 46458 | 60855120421 | 60855120421 | 6 | 85 | 512042 | 1 488 |
| ## 32 | 57688 | 80039602005 | 80039602005 | 8 | 3 | 960200 | 5 NA |
| ## 2 | 115257 | 250277000000 | 250277000000 | 25 | 27 | 731600 | 2 148 |
| ## 219 | 188084 | 420990000000 | 420990000000 | 42 | 99 | 30502 | 3 276 |
| ## 327 | 154902 | 360191000000 | 360191000000 | 36 | 19 | 101800 | 3 NA |
| ## 257 | 37094 | 60730202142 | 60730202142 | 6 | 73 | 20214 | 2 NA |
| ## 227 | 183633 | 410670000000 | 410670000000 | 41 | 67 | 32902 | 1 440 |
| ## 195 | 46537 | 60855119091 | 60855119091 | 6 | 85 | 511909 | 1 488 |

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|--------|--------|--------------|--------------|----|-----|--------|-------|
| ## 59 | 147303 | 340270000000 | 340270000000 | 34 | 27 | 40702 | 1 408 |
| ## 497 | 15485 | 480990000000 | 480990000000 | 48 | 99 | 10101 | 2 NA |
| ## 311 | 20042 | 510790000000 | 510790000000 | 51 | 79 | 30200 | 1 NA |
| ## 363 | 101411 | 210290000000 | 210290000000 | 21 | 29 | 20601 | 4 350 |
| ## 46 | 14357 | 480270000000 | 480270000000 | 48 | 27 | 23300 | 2 NA |
| ## 490 | 112667 | 250251000000 | 250251000000 | 25 | 25 | 60501 | 5 148 |
| ## 286 | 141493 | 340030000000 | 340030000000 | 34 | 3 | 23602 | 3 408 |
| ## 256 | 202771 | 471871000000 | 471871000000 | 47 | 187 | 50306 | 1 400 |
| ## 41 | 109152 | 240338000000 | 240338000000 | 24 | 33 | 801215 | 1 548 |
| ## 462 | 104063 | 220510000000 | 220510000000 | 22 | 51 | 24400 | 1 406 |
| ## 110 | 77578 | 131320000000 | 131320000000 | 13 | 131 | 950400 | 4 NA |
| ## 249 | 144649 | 340155000000 | 340155000000 | 34 | 15 | 501500 | 5 428 |
| ## 185 | 21400 | 10890029111 | 10890029111 | 1 | 89 | 2911 | 1 290 |
| ## 150 | 203873 | 470930000000 | 470930000000 | 47 | 93 | 4200 | 1 315 |
| ## 331 | 36398 | 60710084011 | 60710084011 | 6 | 71 | 8401 | 1 348 |
| ## 271 | 30151 | 50754702003 | 50754702003 | 5 | 75 | 470200 | 3 NA |
| ## 268 | 45470 | 60670028003 | 60670028003 | 6 | 67 | 2800 | 3 472 |
| ## 463 | 196265 | 440070000000 | 440070000000 | 44 | 7 | 1800 | 4 148 |
| ## 495 | 198742 | 450450000000 | 450450000000 | 45 | 45 | 2402 | 1 273 |
| ## 362 | 83337 | 170313000000 | 170313000000 | 17 | 31 | 301701 | 3 176 |
| ## 460 | 14132 | 482015000000 | 482015000000 | 48 | 201 | 451500 | 1 288 |
| ## 330 | 34081 | 60014203003 | 60014203003 | 6 | 1 | 420300 | 3 488 |
| ## 231 | 71401 | 121030000000 | 121030000000 | 12 | 103 | 20700 | 3 NA |
| ## 19 | 65770 | 120570000000 | 120570000000 | 12 | 57 | 1800 | 2 NA |
| ## 142 | 156466 | 360810000000 | 360810000000 | 36 | 81 | 41500 | 2 408 |
| ## 472 | 190438 | 420640000000 | 420640000000 | 42 | 63 | 960600 | 2 430 |
| ## 279 | 142101 | 340312000000 | 340312000000 | 34 | 31 | 183200 | 1 408 |
| ## 295 | 215703 | 550500000000 | 550500000000 | 55 | 49 | 950100 | 1 357 |
| ## 148 | 182776 | 400497000000 | 400497000000 | 40 | 49 | 681100 | 1 NA |
| ## 99 | 178576 | 390450000000 | 390450000000 | 39 | 45 | 31200 | 1 198 |
| ## 373 | 29207 | 40130927242 | 40130927242 | 4 | 13 | 92724 | 2 429 |
| ## 312 | 120948 | 261390000000 | 261390000000 | 26 | 139 | 22103 | 1 266 |
| ## 393 | 159094 | 360670000000 | 360670000000 | 36 | 67 | 16001 | 3 532 |
| ## 173 | 145250 | 340258000000 | 340258000000 | 34 | 25 | 804200 | 2 408 |
| ## 162 | 66721 | 121030000000 | 121030000000 | 12 | 103 | 27202 | 4 NA |
| ## 374 | 27939 | 40138114002 | 40138114002 | 4 | 13 | 811400 | 2 429 |
| ## 76 | 81238 | 171979000000 | 171979000000 | 17 | 197 | 880602 | 3 176 |
| ## 500 | 71895 | 120990000000 | 120990000000 | 12 | 99 | 6007 | 2 370 |
| ## 216 | 100596 | 211959000000 | 211959000000 | 21 | 195 | 930200 | 3 NA |
| ## 411 | 74596 | 130670000000 | 130670000000 | 13 | 67 | 30339 | 1 122 |
| ## 230 | 200875 | 471570000000 | 471570000000 | 47 | 157 | 2700 | 1 368 |
| ## 16 | 182406 | 400152000000 | 400152000000 | 40 | 15 | 161600 | 1 NA |
| ## 222 | 218429 | 721371000000 | 721371000000 | 72 | 137 | 121802 | 3 490 |
| ## 8 | 161010 | 360050000000 | 360050000000 | 36 | 5 | 28500 | 1 408 |
| ## 340 | 199912 | 460480000000 | 460480000000 | 46 | 47 | 964200 | 2 NA |
| ## 22 | 190307 | 420171000000 | 420171000000 | 42 | 17 | 105702 | 2 428 |
| ## 128 | 32704 | 60590889032 | 60590889032 | 6 | 59 | 88903 | 2 348 |
| ## 469 | 33664 | 60670093091 | 60670093091 | 6 | 67 | 9309 | 1 472 |
| ## 109 | 55283 | 80690002011 | 80690002011 | 8 | 69 | 201 | 1 NA |
| ## 50 | 170041 | 371950000000 | 371950000000 | 37 | 195 | 900 | 3 468 |
| ## 69 | 124669 | 261252000000 | 261252000000 | 26 | 125 | 193300 | 2 220 |
| ## 403 | 65140 | 120990000000 | 120990000000 | 12 | 99 | 7822 | 2 370 |
| ## 442 | 160333 | 360290000000 | 360290000000 | 36 | 29 | 9702 | 4 160 |
| ## 143 | 15742 | 482015000000 | 482015000000 | 48 | 201 | 542400 | 2 288 |

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|--------|--------|--------------|--------------|----|-----|--------|-------|
| ## 168 | 56459 | 80010080002 | 80010080002 | 8 | 1 | 8000 | 2 216 |
| ## 360 | 69202 | 120570000000 | 120570000000 | 12 | 57 | 13704 | 3 NA |
| ## 20 | 139028 | 320030000000 | 320030000000 | 32 | 3 | 401 | 2 332 |
| ## 440 | 140797 | 330171000000 | 330171000000 | 33 | 17 | 82000 | 1 148 |
| ## 451 | 73872 | 131351000000 | 131351000000 | 13 | 135 | 50430 | 3 122 |
| ## 196 | 131778 | 290319000000 | 290319000000 | 29 | 31 | 880200 | 1 164 |
| ## 27 | 85459 | 170290000000 | 170290000000 | 17 | 29 | 100 | 4 NA |
| ## 134 | 98093 | 200911000000 | 200911000000 | 20 | 91 | 53406 | 2 312 |
| ## 494 | 161718 | 361032000000 | 361032000000 | 36 | 103 | 159203 | 2 408 |
| ## 205 | 1068 | 483397000000 | 483397000000 | 48 | 339 | 690602 | 1 288 |
| ## 294 | 159326 | 360050000000 | 360050000000 | 36 | 5 | 36700 | 2 408 |
| ## 123 | 185289 | 410600000000 | 410600000000 | 41 | 59 | 950600 | 3 NA |
| ## 253 | 130419 | 281600000000 | 281600000000 | 28 | 159 | 950200 | 1 NA |
| ## 466 | 26551 | 40130719103 | 40130719103 | 4 | 13 | 71910 | 3 429 |
| ## 139 | 139667 | 320030000000 | 320030000000 | 32 | 3 | 3261 | 2 332 |
| ## 95 | 182226 | 400240000000 | 400240000000 | 40 | 23 | 967300 | 1 NA |
| ## 369 | 71029 | 121030000000 | 121030000000 | 12 | 103 | 23000 | 1 NA |
| ## 127 | 18166 | 510030000000 | 510030000000 | 51 | 3 | 10100 | 3 NA |
| ## 484 | 75501 | 131171000000 | 131171000000 | 13 | 117 | 130503 | 1 122 |
| ## 450 | 103160 | 212231000000 | 212231000000 | 21 | 223 | 100100 | 1 NA |
| ## 72 | 177061 | 390610000000 | 390610000000 | 39 | 61 | 7400 | 2 178 |
| ## 204 | 172456 | 390170000000 | 390170000000 | 39 | 17 | 14300 | 3 178 |
| ## 301 | 215401 | 551332000000 | 551332000000 | 55 | 133 | 200103 | 3 376 |
| ## 465 | 169249 | 371190000000 | 371190000000 | 37 | 119 | 5524 | 6 172 |
| ## 339 | 197103 | 450310000000 | 450310000000 | 45 | 31 | 10600 | 3 NA |
| ## 328 | 154440 | 360471000000 | 360471000000 | 36 | 47 | 82200 | 3 408 |
| ## 299 | 25145 | 40190015002 | 40190015002 | 4 | 19 | 1500 | 2 536 |
| ## 349 | 145506 | 340230000000 | 340230000000 | 34 | 23 | 6607 | 2 408 |
| ## 399 | 174991 | 390160000000 | 390160000000 | 39 | 15 | 951700 | 3 178 |
| ## 92 | 63810 | 120730000000 | 120730000000 | 12 | 73 | 2201 | 5 NA |
| ## 467 | 132587 | 290950000000 | 290950000000 | 29 | 95 | 16500 | 3 312 |
| ## 352 | 216381 | 550790000000 | 550790000000 | 55 | 79 | 19200 | 4 376 |
| ## 232 | 106028 | 220350000000 | 220350000000 | 22 | 35 | 100 | 3 NA |
| ## 13 | 93582 | 180973000000 | 180973000000 | 18 | 97 | 330209 | 2 294 |
| ## 104 | 26561 | 40130927121 | 40130927121 | 4 | 13 | 92712 | 1 429 |
| ## 80 | 213236 | 550040000000 | 550040000000 | 55 | 3 | 950500 | 1 NA |
| ## 131 | 71726 | 120690000000 | 120690000000 | 12 | 69 | 31311 | 2 422 |
| ## 376 | 152506 | 361190000000 | 361190000000 | 36 | 119 | 11400 | 1 408 |
| ## 166 | 50371 | 60930001001 | 60930001001 | 6 | 93 | 100 | 1 NA |
| ## 478 | 99612 | 200911000000 | 200911000000 | 20 | 91 | 51000 | 3 312 |
| ## 264 | 194896 | 420770000000 | 420770000000 | 42 | 77 | 1402 | 2 NA |
| ## 254 | 197063 | 450511000000 | 450511000000 | 45 | 51 | 60204 | 2 396 |
| ## 129 | 141602 | 340130000000 | 340130000000 | 34 | 13 | 17200 | 1 408 |
| ## 292 | 139286 | 320030000000 | 320030000000 | 32 | 3 | 3414 | 1 332 |
| ## 430 | 91707 | 180030000000 | 180030000000 | 18 | 3 | 10811 | 3 258 |
| ## 130 | 136850 | 310550000000 | 310550000000 | 31 | 55 | 7516 | 1 420 |
| ## 183 | 34507 | 60750170002 | 60750170002 | 6 | 75 | 17000 | 2 488 |
| ## 325 | 64050 | 120110000000 | 120110000000 | 12 | 11 | 10200 | 1 370 |
| ## 280 | 26321 | 40134222121 | 40134222121 | 4 | 13 | 422212 | 1 429 |
| ## 420 | 52154 | 60374313002 | 60374313002 | 6 | 37 | 431300 | 2 348 |
| ## 18 | 94090 | 181570000000 | 181570000000 | 18 | 157 | 5300 | 2 320 |
| ## 74 | 192865 | 421010000000 | 421010000000 | 42 | 101 | 33600 | 5 428 |
| ## 153 | 212672 | 540080000000 | 540080000000 | 54 | 7 | 967900 | 3 NA |
| ## 447 | 186146 | 420971000000 | 420971000000 | 42 | 97 | 82000 | 4 146 |

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|--------|--------|--------------|--------------|----|-----|--|-------|
| ## 172 | 125625 | 270530000000 | 270530000000 | 27 | 53 | 8200 | 4 378 |
| ## 79 | 32430 | 60374065004 | 60374065004 | 6 | 37 | 406500 | 4 348 |
| ## 344 | 156378 | 360810000000 | 360810000000 | 36 | 81 | 33402 | 1 408 |
| ## 354 | 124050 | 261635000000 | 261635000000 | 26 | 163 | 507100 | 3 220 |
| ## 225 | 146773 | 340230000000 | 340230000000 | 34 | 23 | 200 | 1 408 |
| ## 239 | 161181 | 360050000000 | 360050000000 | 36 | 5 | 23100 | 1 408 |
| ## 220 | 208140 | 530531000000 | 530531000000 | 53 | 53 | 62500 | 6 500 |
| ## 94 | 190078 | 421070000000 | 421070000000 | 42 | 107 | 300 | 4 NA |
| ## 288 | 209523 | 530330000000 | 530330000000 | 53 | 33 | 5000 | 3 500 |
| ## 62 | 14799 | 482450000000 | 482450000000 | 48 | 245 | 1700 | 2 NA |
| ## 251 | 189670 | 421010000000 | 421010000000 | 42 | 101 | 21500 | 2 428 |
| ## 389 | 143228 | 340230000000 | 340230000000 | 34 | 23 | 8205 | 4 408 |
| ## 382 | 183414 | 410390000000 | 410390000000 | 41 | 39 | 1001 | 2 NA |
| ## 246 | 63115 | 121050000000 | 121050000000 | 12 | 105 | 11834 | 1 422 |
| ## 425 | 107239 | 230050000000 | 230050000000 | 23 | 5 | 2101 | 4 438 |
| ## 174 | 102749 | 211110000000 | 211110000000 | 21 | 111 | 2400 | 5 350 |
| ## 296 | 176696 | 391130000000 | 391130000000 | 39 | 113 | 200 | 2 212 |
| ## 461 | 177710 | 390351000000 | 390351000000 | 39 | 35 | 104300 | 1 184 |
| ## 367 | 42604 | 60990014005 | 60990014005 | 6 | 99 | 1400 | 5 488 |
| ## 48 | 130577 | 280750000000 | 280750000000 | 28 | 75 | 900 | 5 NA |
| ## 408 | 18235 | 510872000000 | 510872000000 | 51 | 87 | 201404 | 1 NA |
| ## 218 | 17303 | 511610000000 | 511610000000 | 51 | 161 | 30203 | 1 NA |
| ## | | | | | | CSA_Name CBSA | |
| ## 429 | | | | | | Milwaukee-Racine-Waukesha, WI | 33340 |
| ## 297 | | | | | | | 13980 |
| ## 221 | | | | | | Dallas-Fort Worth, TX-OK | 19100 |
| ## 83 | | | | | | Miami-Port St. Lucie-Fort Lauderdale, FL | 33100 |
| ## 431 | | | | | | Louisville/Jefferson County--Elizabethtown--Bardstown, KY-IN | 31140 |
| ## 284 | | | | | | New York-Newark, NY-NJ-CT-PA | 35620 |
| ## 159 | | | | | | New York-Newark, NY-NJ-CT-PA | 35620 |
| ## 263 | | | | | | Elmira-Corning, NY | 21300 |
| ## 435 | | | | | | Lafayette-West Lafayette-Frankfort, IN | 29200 |
| ## 302 | | | | | | Fort Wayne-Huntington-Auburn, IN | 12140 |
| ## 485 | | | | | | Los Angeles-Long Beach, CA | 31080 |
| ## 250 | | | | | | Knoxville-Morristown-Sevierville, TN | 34100 |
| ## 410 | | | | | | Buffalo-Cheektowaga-Olean, NY | 15380 |
| ## 445 | | | | | | New York-Newark, NY-NJ-CT-PA | 35620 |
| ## 63 | | | | | | New York-Newark, NY-NJ-CT-PA | 20700 |
| ## 247 | | | | | | Washington-Baltimore-Arlington, DC-MD-VA-WV-PA | 47900 |
| ## 415 | | | | | | Cleveland-Akron-Canton, OH | 17460 |
| ## 194 | | | | | | Buffalo-Cheektowaga-Olean, NY | 15380 |
| ## 390 | | | | | | St. Louis-St. Charles-Farmington, MO-IL | 41180 |
| ## 191 | | | | | | | 18880 |
| ## 477 | | | | | | San Antonio-New Braunfels-Pearsall, TX | 41700 |
| ## 468 | | | | | | Cleveland-Akron-Canton, OH | 15940 |
| ## 70 | | | | | | | 25900 |
| ## 229 | | | | | | Seattle-Tacoma, WA | 42660 |
| ## 97 | | | | | | | 12420 |
| ## 112 | | | | | | New York-Newark, NY-NJ-CT-PA | 45940 |
| ## 458 | | | | | | Jackson-Brownsville, TN | 27180 |
| ## 126 | | | | | | | 20220 |
| ## 434 | | | | | | Denver-Aurora, CO | 19740 |
| ## 372 | | | | | | | 25860 |
| ## 171 | | | | | | Los Angeles-Long Beach, CA | 31080 |

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| ## 455 | San Antonio-New Braunfels-Pearsall, TX | 41700 |
| ## 432 | Chattanooga-Cleveland-Dalton, TN-GA | 16860 |
| ## 437 | St. Louis-St. Charles-Farmington, MO-IL | 41180 |
| ## 215 | Mobile-Daphne-Fairhope, AL | 33660 |
| ## 441 | Rochester-Batavia-Seneca Falls, NY | 12860 |
| ## 213 | Philadelphia-Reading-Camden, PA-NJ-DE-MD | 37980 |
| ## 118 | Boston-Worcester-Providence, MA-RI-NH-CT | 14460 |
| ## 456 | Los Angeles-Long Beach, CA | 31080 |
| ## 58 | | 17780 |
| ## 379 | Miami-Port St. Lucie-Fort Lauderdale, FL | 33100 |
| ## 407 | Denver-Aurora, CO | 19740 |
| ## 422 | | 11260 |
| ## 351 | Tucson-Nogales, AZ | 46060 |
| ## 452 | North Port-Sarasota, FL | 35840 |
| ## 366 | Grand Rapids-Kentwood-Muskegon, MI | 24340 |
| ## 397 | San Antonio-New Braunfels-Pearsall, TX | 41700 |
| ## 201 | | 27460 |
| ## 10 | Albany-Schenectady, NY | 11220 |
| ## 480 | Pueblo-Cañon City, CO | 15860 |
| ## 446 | Fayetteville-Sanford-Lumberton, NC | 22180 |
| ## 82 | Chicago-Naperville, IL-IN-WI | 16980 |
| ## 151 | | 29700 |
| ## 236 | Greensboro--Winston-Salem--High Point, NC | 24660 |
| ## 237 | Sacramento-Roseville, CA | 40900 |
| ## 479 | | NA |
| ## 383 | Burlington-South Burlington-Barre, VT | 15540 |
| ## 75 | Los Angeles-Long Beach, CA | 31080 |
| ## 350 | Portland-Vancouver-Salem, OR-WA | 38900 |
| ## 310 | Los Angeles-Long Beach, CA | 31080 |
| ## 475 | Youngstown-Warren, OH-PA | 49660 |
| ## 101 | Lafayette-Opelousas-Morgan City, LA | 29180 |
| ## 65 | | NA |
| ## 291 | New York-Newark, NY-NJ-CT-PA | 14860 |
| ## 199 | Charlotte-Concord, NC-SC | 16740 |
| ## 436 | | 16700 |
| ## 387 | New York-Newark, NY-NJ-CT-PA | 35620 |
| ## 100 | New York-Newark, NY-NJ-CT-PA | 35620 |
| ## 334 | Columbus-Auburn-Opelika, GA-AL | 12220 |
| ## 439 | Washington-Baltimore-Arlington, DC-MD-VA-WV-PA | 12580 |
| ## 87 | | 41460 |
| ## 333 | Denver-Aurora, CO | 19740 |
| ## 184 | Greensboro--Winston-Salem--High Point, NC | 49180 |
| ## 186 | Los Angeles-Long Beach, CA | 31080 |
| ## 49 | | NA |
| ## 357 | Pittsburgh-New Castle-Weirton, PA-OH-WV | 38300 |
| ## 224 | Seattle-Tacoma, WA | 42660 |
| ## 486 | | 13380 |
| ## 164 | Chicago-Naperville, IL-IN-WI | 16980 |
| ## 226 | Pensacola-Ferry Pass, FL-AL | 37860 |
| ## 404 | Chicago-Naperville, IL-IN-WI | 16980 |
| ## 272 | | 41500 |
| ## 238 | | 27620 |
| ## 140 | | NA |
| ## 31 | | 39150 |

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|--------|--|-------|
| ## 313 | | 23660 |
| ## 359 | Bloomsburg-Berwick-Sunbury, PA | 44980 |
| ## 181 | Savannah-Hinesville-Statesboro, GA | 42340 |
| ## 90 | San Jose-San Francisco-Oakland, CA | 41860 |
| ## 444 | | 25580 |
| ## 85 | Boston-Worcester-Providence, MA-RI-NH-CT | 18180 |
| ## 187 | | 45300 |
| ## 30 | Charleston-Huntington-Ashland, WV-OH-KY | 16620 |
| ## 304 | | 12540 |
| ## 202 | Phoenix-Mesa, AZ | 38060 |
| ## 37 | San Antonio-New Braunfels-Pearsall, TX | 41700 |
| ## 287 | New York-Newark, NY-NJ-CT-PA | 35620 |
| ## 471 | Detroit-Warren-Ann Arbor, MI | 19820 |
| ## 314 | Sacramento-Roseville, CA | 40900 |
| ## 36 | Boston-Worcester-Providence, MA-RI-NH-CT | 39300 |
| ## 5 | | NA |
| ## 108 | | 42200 |
| ## 47 | Dayton-Springfield-Kettering, OH | 19430 |
| ## 89 | Detroit-Warren-Ann Arbor, MI | 19820 |
| ## 454 | | NA |
| ## 336 | Detroit-Warren-Ann Arbor, MI | 19820 |
| ## 252 | | 13140 |
| ## 464 | Portland-Vancouver-Salem, OR-WA | 38900 |
| ## 212 | | NA |
| ## 233 | Cleveland-Akron-Canton, OH | 17460 |
| ## 428 | Miami-Port St. Lucie-Fort Lauderdale, FL | 33100 |
| ## 154 | | 25880 |
| ## 40 | Denver-Aurora, CO | 19740 |
| ## 356 | Portland-Vancouver-Salem, OR-WA | 10540 |
| ## 473 | Montgomery-Selma-Alexander City, AL | 33860 |
| ## 133 | San Jose-San Francisco-Oakland, CA | 41860 |
| ## 152 | Los Angeles-Long Beach, CA | 31080 |
| ## 4 | | NA |
| ## 56 | Denver-Aurora, CO | 19740 |
| ## 384 | New York-Newark, NY-NJ-CT-PA | 35620 |
| ## 145 | | NA |
| ## 234 | Dothan-Ozark, AL | 20020 |
| ## 361 | New York-Newark, NY-NJ-CT-PA | 35620 |
| ## 348 | Detroit-Warren-Ann Arbor, MI | 19820 |
| ## 197 | | 37340 |
| ## 136 | New York-Newark, NY-NJ-CT-PA | 35620 |
| ## 192 | Rochester-Batavia-Seneca Falls, NY | 40380 |
| ## 258 | | 43620 |
| ## 61 | Dallas-Fort Worth, TX-OK | 19100 |
| ## 240 | Los Angeles-Long Beach, CA | 31080 |
| ## 293 | Midland-Odessa, TX | 36220 |
| ## 255 | | 32620 |
| ## 245 | Montgomery-Selma-Alexander City, AL | 33860 |
| ## 77 | Virginia Beach-Norfolk, VA-NC | 47260 |
| ## 156 | | 21820 |
| ## 43 | San Jose-San Francisco-Oakland, CA | 41940 |
| ## 474 | Boston-Worcester-Providence, MA-RI-NH-CT | 14460 |
| ## 449 | San Juan-Bayamón, PR | 41980 |
| ## 214 | Miami-Port St. Lucie-Fort Lauderdale, FL | 38940 |

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| ## 91 | San Jose-San Francisco-Oakland, CA | 41860 |
| ## 285 | Washington-Baltimore-Arlington, DC-MD-VA-WV-PA | 49020 |
| ## 364 | New York-Newark, NY-NJ-CT-PA | 35620 |
| ## 178 | | NA |
| ## 93 | Dallas-Fort Worth, TX-OK | 19100 |
| ## 84 | Philadelphia-Reading-Camden, PA-NJ-DE-MD | 37980 |
| ## 146 | Los Angeles-Long Beach, CA | 31080 |
| ## 64 | | 12420 |
| ## 326 | | 41740 |
| ## 273 | Scottsboro-Fort Payne, AL | 22840 |
| ## 355 | Los Angeles-Long Beach, CA | 31080 |
| ## 228 | Chattanooga-Cleveland-Dalton, TN-GA | 16860 |
| ## 117 | Las Vegas-Henderson, NV | 29820 |
| ## 29 | Rocky Mount-Wilson-Roanoke Rapids, NC | 40260 |
| ## 45 | Boston-Worcester-Providence, MA-RI-NH-CT | 14460 |
| ## 176 | Boston-Worcester-Providence, MA-RI-NH-CT | 39300 |
| ## 198 | El Paso-Las Cruces, TX-NM | 21340 |
| ## 488 | Salisbury-Cambridge, MD-DE | 15700 |
| ## 35 | Indianapolis-Carmel-Muncie, IN | 26900 |
| ## 54 | Chicago-Naperville, IL-IN-WI | 16980 |
| ## 208 | San Juan-Bayamón, PR | 41980 |
| ## 402 | Kansas City-Overland Park-Kansas City, MO-KS | 28140 |
| ## 417 | Little Rock-North Little Rock, AR | 30780 |
| ## 345 | Houston-The Woodlands, TX | 26420 |
| ## 60 | Jacksonville-St. Marys-Palatka, FL-GA | 27260 |
| ## 105 | | 28380 |
| ## 283 | | 17300 |
| ## 210 | Los Angeles-Long Beach, CA | 40140 |
| ## 207 | New York-Newark, NY-NJ-CT-PA | 35620 |
| ## 487 | Washington-Baltimore-Arlington, DC-MD-VA-WV-PA | 47900 |
| ## 33 | | 37340 |
| ## 267 | Phoenix-Mesa, AZ | 38060 |
| ## 163 | Fort Wayne-Huntington-Auburn, IN | 23060 |
| ## 81 | Lubbock-Plainview-Levelland, TX | 31180 |
| ## 223 | Boston-Worcester-Providence, MA-RI-NH-CT | 14460 |
| ## 386 | Portland-Lewiston-South Portland, ME | 38860 |
| ## 343 | Phoenix-Mesa, AZ | 38060 |
| ## 137 | New York-Newark, NY-NJ-CT-PA | 35620 |
| ## 483 | Boston-Worcester-Providence, MA-RI-NH-CT | 14460 |
| ## 71 | | 45300 |
| ## 358 | Charleston-Huntington-Ashland, WV-OH-KY | 26580 |
| ## 323 | | 47380 |
| ## 385 | | NA |
| ## 261 | Nashville-Davidson--Murfreesboro, TN | 34980 |
| ## 17 | Los Angeles-Long Beach, CA | 31080 |
| ## 275 | Los Angeles-Long Beach, CA | 31080 |
| ## 338 | Dallas-Fort Worth, TX-OK | 19100 |
| ## 315 | Philadelphia-Reading-Camden, PA-NJ-DE-MD | 37980 |
| ## 189 | Lincoln-Beatrice, NE | 30700 |
| ## 243 | San Jose-San Francisco-Oakland, CA | 41860 |
| ## 179 | Portland-Vancouver-Salem, OR-WA | 38900 |
| ## 107 | Davenport-Moline, IA-IL | 19340 |
| ## 305 | | 24500 |
| ## 248 | San Jose-San Francisco-Oakland, CA | 41860 |

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| ## 419 | Dallas-Fort Worth, TX-OK | 19100 |
| ## 395 | New York-Newark, NY-NJ-CT-PA | 35620 |
| ## 496 | Morgantown-Fairmont, WV | 21900 |
| ## 86 | New Orleans-Metairie-Hammond, LA-MS | 35380 |
| ## 438 | San Jose-San Francisco-Oakland, CA | 32900 |
| ## 282 | | 16700 |
| ## 23 | Nashville-Davidson--Murfreesboro, TN | 34980 |
| ## 321 | Los Angeles-Long Beach, CA | 31080 |
| ## 406 | | NA |
| ## 51 | Dallas-Fort Worth, TX-OK | 19100 |
| ## 55 | | 27340 |
| ## 106 | Cincinnati-Wilmington-Maysville, OH-KY-IN | 17140 |
| ## 427 | | 41660 |
| ## 290 | Phoenix-Mesa, AZ | 38060 |
| ## 324 | Chicago-Naperville, IL-IN-WI | 16980 |
| ## 15 | New York-Newark, NY-NJ-CT-PA | 35620 |
| ## 303 | New Orleans-Metairie-Hammond, LA-MS | 35380 |
| ## 169 | | NA |
| ## 116 | Nashville-Davidson--Murfreesboro, TN | 34980 |
| ## 102 | | NA |
| ## 262 | Philadelphia-Reading-Camden, PA-NJ-DE-MD | 37980 |
| ## 448 | Detroit-Warren-Ann Arbor, MI | 19820 |
| ## 380 | St. Louis-St. Charles-Farmington, MO-IL | 41180 |
| ## 418 | Salt Lake City-Provo-Orem, UT | 41620 |
| ## 489 | Mankato-New Ulm, MN | 31860 |
| ## 235 | | 44180 |
| ## 457 | Washington-Baltimore-Arlington, DC-MD-VA-WV-PA | 47900 |
| ## 244 | Chicago-Naperville, IL-IN-WI | 16980 |
| ## 25 | | NA |
| ## 281 | Elmira-Corning, NY | 21300 |
| ## 119 | Dallas-Fort Worth, TX-OK | 19100 |
| ## 400 | | 12940 |
| ## 481 | Washington-Baltimore-Arlington, DC-MD-VA-WV-PA | 12580 |
| ## 180 | New York-Newark, NY-NJ-CT-PA | 35620 |
| ## 482 | Chicago-Naperville, IL-IN-WI | 16980 |
| ## 319 | St. Louis-St. Charles-Farmington, MO-IL | 41180 |
| ## 38 | Cincinnati-Wilmington-Maysville, OH-KY-IN | 17140 |
| ## 388 | | 46520 |
| ## 309 | Knoxville-Morristown-Sevierville, TN | 34100 |
| ## 78 | Hartford-East Hartford, CT | 25540 |
| ## 7 | New York-Newark, NY-NJ-CT-PA | 35620 |
| ## 12 | | 20340 |
| ## 211 | | NA |
| ## 167 | Dayton-Springfield-Kettering, OH | 19430 |
| ## 377 | Milwaukee-Racine-Waukesha, WI | 33340 |
| ## 332 | San Jose-San Francisco-Oakland, CA | 41860 |
| ## 144 | | 40220 |
| ## 260 | Savannah-Hinesville-Statesboro, GA | 42340 |
| ## 453 | Portland-Vancouver-Salem, OR-WA | 38900 |
| ## 491 | Indianapolis-Carmel-Muncie, IN | 26900 |
| ## 52 | Brownsville-Harlingen-Raymondville, TX | 15180 |
| ## 206 | Denver-Aurora, CO | 19740 |
| ## 160 | Dallas-Fort Worth, TX-OK | 19100 |
| ## 277 | | 41260 |

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| ## 88 | New York-Newark, NY-NJ-CT-PA | 35620 |
| ## 1 | Chicago-Naperville, IL-IN-WI | 16980 |
| ## 426 | Pittsburgh-New Castle-Weirton, PA-OH-WV | 38300 |
| ## 353 | Montgomery-Selma-Alexander City, AL | 33860 |
| ## 157 | Houston-The Woodlands, TX | 26420 |
| ## 368 | Reno-Carson City-Fernley, NV | 39900 |
| ## 365 | New York-Newark, NY-NJ-CT-PA | 35620 |
| ## 57 | | 16700 |
| ## 493 | | 25860 |
| ## 259 | | 25880 |
| ## 265 | | NA |
| ## 307 | Minneapolis-St. Paul, MN-WI | 33460 |
| ## 170 | | 45300 |
| ## 121 | Eau Claire-Menomonie, WI | 20740 |
| ## 276 | | NA |
| ## 394 | San Jose-San Francisco-Oakland, CA | 41940 |
| ## 32 | | NA |
| ## 2 | Boston-Worcester-Providence, MA-RI-NH-CT | 49340 |
| ## 219 | Harrisburg-York-Lebanon, PA | 25420 |
| ## 327 | | 38460 |
| ## 257 | | 41740 |
| ## 227 | Portland-Vancouver-Salem, OR-WA | 38900 |
| ## 195 | San Jose-San Francisco-Oakland, CA | 41940 |
| ## 59 | New York-Newark, NY-NJ-CT-PA | 35620 |
| ## 497 | | 28660 |
| ## 311 | | 16820 |
| ## 363 | Louisville/Jefferson County--Elizabethtown--Bardstown, KY-IN | 31140 |
| ## 46 | | 28660 |
| ## 490 | Boston-Worcester-Providence, MA-RI-NH-CT | 14460 |
| ## 286 | New York-Newark, NY-NJ-CT-PA | 35620 |
| ## 256 | Nashville-Davidson--Murfreesboro, TN | 34980 |
| ## 41 | Washington-Baltimore-Arlington, DC-MD-VA-WV-PA | 47900 |
| ## 462 | New Orleans-Metairie-Hammond, LA-MS | 35380 |
| ## 110 | | NA |
| ## 249 | Philadelphia-Reading-Camden, PA-NJ-DE-MD | 37980 |
| ## 185 | Huntsville-Decatur, AL | 26620 |
| ## 150 | Knoxville-Morristown-Sevierville, TN | 28940 |
| ## 331 | Los Angeles-Long Beach, CA | 40140 |
| ## 271 | | NA |
| ## 268 | Sacramento-Roseville, CA | 40900 |
| ## 463 | Boston-Worcester-Providence, MA-RI-NH-CT | 39300 |
| ## 495 | Greenville-Spartanburg-Anderson, SC | 24860 |
| ## 362 | Chicago-Naperville, IL-IN-WI | 16980 |
| ## 460 | Houston-The Woodlands, TX | 26420 |
| ## 330 | San Jose-San Francisco-Oakland, CA | 41860 |
| ## 231 | | 45300 |
| ## 19 | | 45300 |
| ## 142 | New York-Newark, NY-NJ-CT-PA | 35620 |
| ## 472 | Pittsburgh-New Castle-Weirton, PA-OH-WV | 26860 |
| ## 279 | New York-Newark, NY-NJ-CT-PA | 35620 |
| ## 295 | Madison-Janesville-Beloit, WI | 31540 |
| ## 148 | | NA |
| ## 99 | Columbus-Marion-Zanesville, OH | 18140 |
| ## 373 | Phoenix-Mesa, AZ | 38060 |

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| ## 312 | Grand Rapids-Kentwood-Muskegon, MI | 24340 |
| ## 393 | Syracuse-Auburn, NY | 45060 |
| ## 173 | New York-Newark, NY-NJ-CT-PA | 35620 |
| ## 162 | | 45300 |
| ## 374 | Phoenix-Mesa, AZ | 38060 |
| ## 76 | Chicago-Naperville, IL-IN-WI | 16980 |
| ## 500 | Miami-Port St. Lucie-Fort Lauderdale, FL | 33100 |
| ## 216 | | NA |
| ## 411 | Atlanta--Athens-Clarke County--Sandy Springs, GA-AL | 12060 |
| ## 230 | Memphis-Forrest City, TN-MS-AR | 32820 |
| ## 16 | | NA |
| ## 222 | San Juan-Bayamón, PR | 41980 |
| ## 8 | New York-Newark, NY-NJ-CT-PA | 35620 |
| ## 340 | | NA |
| ## 22 | Philadelphia-Reading-Camden, PA-NJ-DE-MD | 37980 |
| ## 128 | Los Angeles-Long Beach, CA | 31080 |
| ## 469 | Sacramento-Roseville, CA | 40900 |
| ## 109 | | 22660 |
| ## 50 | Rocky Mount-Wilson-Roanoke Rapids, NC | 48980 |
| ## 69 | Detroit-Warren-Ann Arbor, MI | 19820 |
| ## 403 | Miami-Port St. Lucie-Fort Lauderdale, FL | 33100 |
| ## 442 | Buffalo-Cheektowaga-Olean, NY | 15380 |
| ## 143 | Houston-The Woodlands, TX | 26420 |
| ## 168 | Denver-Aurora, CO | 19740 |
| ## 360 | | 45300 |
| ## 20 | Las Vegas-Henderson, NV | 29820 |
| ## 440 | Boston-Worcester-Providence, MA-RI-NH-CT | 14460 |
| ## 451 | Atlanta--Athens-Clarke County--Sandy Springs, GA-AL | 12060 |
| ## 196 | Cape Girardeau-Sikeston, MO-IL | 16020 |
| ## 27 | | 16660 |
| ## 134 | Kansas City-Overland Park-Kansas City, MO-KS | 28140 |
| ## 494 | New York-Newark, NY-NJ-CT-PA | 35620 |
| ## 205 | Houston-The Woodlands, TX | 26420 |
| ## 294 | New York-Newark, NY-NJ-CT-PA | 35620 |
| ## 123 | | 25840 |
| ## 253 | | NA |
| ## 466 | Phoenix-Mesa, AZ | 38060 |
| ## 139 | Las Vegas-Henderson, NV | 29820 |
| ## 95 | | NA |
| ## 369 | | 45300 |
| ## 127 | | 16820 |
| ## 484 | Atlanta--Athens-Clarke County--Sandy Springs, GA-AL | 12060 |
| ## 450 | | NA |
| ## 72 | Cincinnati-Wilmington-Maysville, OH-KY-IN | 17140 |
| ## 204 | Cincinnati-Wilmington-Maysville, OH-KY-IN | 17140 |
| ## 301 | Milwaukee-Racine-Waukesha, WI | 33340 |
| ## 465 | Charlotte-Concord, NC-SC | 16740 |
| ## 339 | | 22500 |
| ## 328 | New York-Newark, NY-NJ-CT-PA | 35620 |
| ## 299 | Tucson-Nogales, AZ | 46060 |
| ## 349 | New York-Newark, NY-NJ-CT-PA | 35620 |
| ## 399 | Cincinnati-Wilmington-Maysville, OH-KY-IN | 17140 |
| ## 92 | | 45220 |
| ## 467 | Kansas City-Overland Park-Kansas City, MO-KS | 28140 |

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| ## 352 | Milwaukee-Racine-Waukesha, WI | 33340 |
| ## 232 | | NA |
| ## 13 | Indianapolis-Carmel-Muncie, IN | 26900 |
| ## 104 | Phoenix-Mesa, AZ | 38060 |
| ## 80 | | NA |
| ## 131 | Orlando-Lakeland-Deltona, FL | 36740 |
| ## 376 | New York-Newark, NY-NJ-CT-PA | 35620 |
| ## 166 | | NA |
| ## 478 | Kansas City-Overland Park-Kansas City, MO-KS | 28140 |
| ## 264 | | 10900 |
| ## 254 | Myrtle Beach-Conway, SC-NC | 34820 |
| ## 129 | New York-Newark, NY-NJ-CT-PA | 35620 |
| ## 292 | Las Vegas-Henderson, NV | 29820 |
| ## 430 | Fort Wayne-Huntington-Auburn, IN | 23060 |
| ## 130 | Omaha-Council Bluffs-Fremont, NE-IA | 36540 |
| ## 183 | San Jose-San Francisco-Oakland, CA | 41860 |
| ## 325 | Miami-Port St. Lucie-Fort Lauderdale, FL | 33100 |
| ## 280 | Phoenix-Mesa, AZ | 38060 |
| ## 420 | Los Angeles-Long Beach, CA | 31080 |
| ## 18 | Lafayette-West Lafayette-Frankfort, IN | 29200 |
| ## 74 | Philadelphia-Reading-Camden, PA-NJ-DE-MD | 37980 |
| ## 153 | | NA |
| ## 447 | Bloomsburg-Berwick-Sunbury, PA | 44980 |
| ## 172 | Minneapolis-St. Paul, MN-WI | 33460 |
| ## 79 | Los Angeles-Long Beach, CA | 31080 |
| ## 344 | New York-Newark, NY-NJ-CT-PA | 35620 |
| ## 354 | Detroit-Warren-Ann Arbor, MI | 19820 |
| ## 225 | New York-Newark, NY-NJ-CT-PA | 35620 |
| ## 239 | New York-Newark, NY-NJ-CT-PA | 35620 |
| ## 220 | Seattle-Tacoma, WA | 42660 |
| ## 94 | | 39060 |
| ## 288 | Seattle-Tacoma, WA | 42660 |
| ## 62 | | 13140 |
| ## 251 | Philadelphia-Reading-Camden, PA-NJ-DE-MD | 37980 |
| ## 389 | New York-Newark, NY-NJ-CT-PA | 35620 |
| ## 382 | | 21660 |
| ## 246 | Orlando-Lakeland-Deltona, FL | 29460 |
| ## 425 | Portland-Lewiston-South Portland, ME | 38860 |
| ## 174 | Louisville/Jefferson County--Elizabethtown--Bardstown, KY-IN | 31140 |
| ## 296 | Dayton-Springfield-Kettering, OH | 19430 |
| ## 461 | Cleveland-Akron-Canton, OH | 17460 |
| ## 367 | San Jose-San Francisco-Oakland, CA | 33700 |
| ## 48 | | 32940 |
| ## 408 | | 40060 |
| ## 218 | | 40220 |
| ## | CBSA_Name CBSA_POP CBSA_EMP CBSA_WRK | |
| ## 429 | Milwaukee-Waukesha, WI | 1575907 856719 779865 |
| ## 297 | Blacksburg-Christiansburg, VA | 166675 67576 61209 |
| ## 221 | Dallas-Fort Worth-Arlington, TX | 7189384 3545715 3364458 |
| ## 83 | Miami-Fort Lauderdale-Pompano Beach, FL | 6070944 2560082 2503411 |
| ## 431 | Louisville/Jefferson County, KY-IN | 1252890 646247 607669 |
| ## 284 | New York-Newark-Jersey City, NY-NJ-PA | 19318471 9159786 8946175 |
| ## 159 | New York-Newark-Jersey City, NY-NJ-PA | 19318471 9159786 8946175 |
| ## 263 | Elmira, NY | 85740 34914 34493 |

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|--------|--|----------|---------|---------|
| ## 435 | Lafayette-West Lafayette, IN | 226202 | 97859 | 93107 |
| ## 302 | Auburn, IN | 42704 | 21585 | 21072 |
| ## 485 | Los Angeles-Long Beach-Anaheim, CA | 13262234 | 6249699 | 5825012 |
| ## 250 | Morristown, TN | 140000 | 48819 | 55521 |
| ## 410 | Buffalo-Cheektowaga, NY | 1131570 | 546694 | 525947 |
| ## 445 | New York-Newark-Jersey City, NY-NJ-PA | 19318471 | 9159786 | 8946175 |
| ## 63 | East Stroudsburg, PA | 167586 | 50008 | 64018 |
| ## 247 | Washington-Arlington-Alexandria, DC-VA-MD-WV | 6151521 | 2806497 | 2713860 |
| ## 415 | Cleveland-Elyria, OH | 2061766 | 1023177 | 961969 |
| ## 194 | Buffalo-Cheektowaga, NY | 1131570 | 546694 | 525947 |
| ## 390 | St. Louis, MO-IL | 2805551 | 1358210 | 1335660 |
| ## 191 | Crestview-Fort Walton Beach-Destin, FL | 266595 | 115343 | 102748 |
| ## 477 | San Antonio-New Braunfels, TX | 2426204 | 979988 | 1019742 |
| ## 468 | Canton-Massillon, OH | 401053 | 168491 | 182409 |
| ## 70 | Hilo, HI | 197658 | 57632 | 47535 |
| ## 229 | Seattle-Tacoma-Bellevue, WA | 3809717 | 1919635 | 1798352 |
| ## 97 | Austin-Round Rock-Georgetown, TX | 2058351 | 1004341 | 967584 |
| ## 112 | Trenton-Princeton, NJ | 368762 | 234329 | 170923 |
| ## 458 | Jackson, TN | 178506 | 80760 | 74266 |
| ## 126 | Dubuque, IA | 96802 | 59883 | 53282 |
| ## 434 | Denver-Aurora-Lakewood, CO | 2850221 | 1450715 | 1395732 |
| ## 372 | Hickory-Lenoir-Morganton, NC | 365339 | 151555 | 157009 |
| ## 171 | Los Angeles-Long Beach-Anaheim, CA | 13262234 | 6249699 | 5825012 |
| ## 455 | San Antonio-New Braunfels, TX | 2426204 | 979988 | 1019742 |
| ## 432 | Chattanooga, TN-GA | 552043 | 243707 | 227779 |
| ## 437 | St. Louis, MO-IL | 2805551 | 1358210 | 1335660 |
| ## 215 | Mobile, AL | 431302 | 179690 | 174305 |
| ## 441 | Batavia, NY | 58112 | 21916 | 27630 |
| ## 213 | Philadelphia-Camden-Wilmington, PA-NJ-DE-MD | 6069448 | 2853154 | 2862819 |
| ## 118 | Boston-Cambridge-Newton, MA-NH | 4811732 | 2432520 | 2464508 |
| ## 456 | Los Angeles-Long Beach-Anaheim, CA | 13262234 | 6249699 | 5825012 |
| ## 58 | College Station-Bryan, TX | 253946 | 117706 | 103357 |
| ## 379 | Miami-Fort Lauderdale-Pompano Beach, FL | 6070944 | 2560082 | 2503411 |
| ## 407 | Denver-Aurora-Lakewood, CO | 2850221 | 1450715 | 1395732 |
| ## 422 | Anchorage, AK | 399576 | 180769 | 1706 |
| ## 351 | Tucson, AZ | 1019722 | 350408 | 374082 |
| ## 452 | North Port-Sarasota-Bradenton, FL | 785997 | 283511 | 296703 |
| ## 366 | Grand Rapids-Kentwood, MI | 1054559 | 576143 | 498099 |
| ## 397 | San Antonio-New Braunfels, TX | 2426204 | 979988 | 1019742 |
| ## 201 | Jamestown-Dunkirk-Fredonia, NY | 129656 | 46808 | 50719 |
| ## 10 | Amsterdam, NY | 49426 | 18259 | 19904 |
| ## 480 | Cañon City, CO | 47002 | 10229 | 16811 |
| ## 446 | Fayetteville, NC | 515706 | 139229 | 164744 |
| ## 82 | Chicago-Naperville-Elgin, IL-IN-WI | 9536428 | 4559884 | 4448938 |
| ## 151 | Laredo, TX | 272053 | 94050 | 97695 |
| ## 236 | Greensboro-High Point, NC | 757810 | 355436 | 329972 |
| ## 237 | Sacramento-Roseville-Folsom, CA | 2291738 | 951760 | 964523 |
| ## 479 | | 0 | 0 | 0 |
| ## 383 | Burlington-South Burlington, VT | 218042 | 119287 | 111043 |
| ## 75 | Los Angeles-Long Beach-Anaheim, CA | 13262234 | 6249699 | 5825012 |
| ## 350 | Portland-Vancouver-Hillsboro, OR-WA | 2417931 | 1165042 | 1140463 |
| ## 310 | Los Angeles-Long Beach-Anaheim, CA | 13262234 | 6249699 | 5825012 |
| ## 475 | Youngstown-Warren-Boardman, OH-PA | 545488 | 211890 | 227898 |
| ## 101 | Lafayette, LA | 488969 | 197112 | 194300 |

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| ## 65 | | 0 | 0 | 0 |
| ## 291 | Bridgeport-Stamford-Norwalk, CT | 944348 | 429677 | 416844 |
| ## 199 | Charlotte-Concord-Gastonia, NC-SC | 2498431 | 1213734 | 1157275 |
| ## 436 | Charleston-North Charleston, SC | 759247 | 334671 | 329066 |
| ## 387 | New York-Newark-Jersey City, NY-NJ-PA | 19318471 | 9159786 | 8946175 |
| ## 100 | New York-Newark-Jersey City, NY-NJ-PA | 19318471 | 9159786 | 8946175 |
| ## 334 | Auburn-Opelika, AL | 159287 | 57332 | 58890 |
| ## 439 | Baltimore-Columbia-Towson, MD | 2793250 | 1316328 | 1277911 |
| ## 87 | Salina, KS | 60879 | 31202 | 28585 |
| ## 333 | Denver-Aurora-Lakewood, CO | 2850221 | 1450715 | 1395732 |
| ## 184 | Winston-Salem, NC | 661798 | 263863 | 289291 |
| ## 186 | Los Angeles-Long Beach-Anaheim, CA | 13262234 | 6249699 | 5825012 |
| ## 49 | | 0 | 0 | 0 |
| ## 357 | Pittsburgh, PA | 2339941 | 1138726 | 1105247 |
| ## 224 | Seattle-Tacoma-Bellevue, WA | 3809717 | 1919635 | 1798352 |
| ## 486 | Bellingham, WA | 216812 | 83193 | 90240 |
| ## 164 | Chicago-Naperville-Elgin, IL-IN-WI | 9536428 | 4559884 | 4448938 |
| ## 226 | Pensacola-Ferry Pass-Brent, FL | 481964 | 193052 | 187750 |
| ## 404 | Chicago-Naperville-Elgin, IL-IN-WI | 9536428 | 4559884 | 4448938 |
| ## 272 | Salinas, CA | 433212 | 171278 | 168077 |
| ## 238 | Jefferson City, MO | 151157 | 78179 | 68894 |
| ## 140 | | 0 | 0 | 0 |
| ## 31 | Prescott Valley-Prescott, AZ | 224645 | 59527 | 78500 |
| ## 313 | Galesburg, IL | 50999 | 18091 | 21664 |
| ## 359 | Sunbury, PA | 92325 | 27490 | 39710 |
| ## 181 | Savannah, GA | 381623 | 164704 | 155057 |
| ## 90 | San Francisco-Oakland-Berkeley, CA | 4673221 | 2400290 | 2241034 |
| ## 444 | Hastings, NE | 31583 | 15631 | 14966 |
| ## 85 | Concord, NH | 149452 | 83658 | 76263 |
| ## 187 | Tampa-St. Petersburg-Clearwater, FL | 3030047 | 1307910 | 1293226 |
| ## 30 | Charleston, WV | 267408 | 125068 | 107005 |
| ## 304 | Bakersfield, CA | 883053 | 284739 | 299392 |
| ## 202 | Phoenix-Mesa-Chandler, AZ | 4673634 | 2007240 | 1958550 |
| ## 37 | San Antonio-New Braunfels, TX | 2426204 | 979988 | 1019742 |
| ## 287 | New York-Newark-Jersey City, NY-NJ-PA | 19318471 | 9159786 | 8946175 |
| ## 471 | Detroit-Warren-Dearborn, MI | 4317179 | 1934459 | 1915549 |
| ## 314 | Sacramento-Roseville-Folsom, CA | 2291738 | 951760 | 964523 |
| ## 36 | Providence-Warwick, RI-MA | 1615516 | 666239 | 775615 |
| ## 5 | | 0 | 0 | 0 |
| ## 108 | Santa Maria-Santa Barbara, CA | 443738 | 184539 | 178156 |
| ## 47 | Dayton-Kettering, OH | 802645 | 359907 | 345347 |
| ## 89 | Detroit-Warren-Dearborn, MI | 4317179 | 1934459 | 1915549 |
| ## 454 | | 0 | 0 | 0 |
| ## 336 | Detroit-Warren-Dearborn, MI | 4317179 | 1934459 | 1915549 |
| ## 252 | Beaumont-Port Arthur, TX | 395636 | 154215 | 161001 |
| ## 464 | Portland-Vancouver-Hillsboro, OR-WA | 2417931 | 1165042 | 1140463 |
| ## 212 | | 0 | 0 | 0 |
| ## 233 | Cleveland-Elyria, OH | 2061766 | 1023177 | 961969 |
| ## 428 | Miami-Fort Lauderdale-Pompano Beach, FL | 6070944 | 2560082 | 2503411 |
| ## 154 | Hillsdale, MI | 45830 | 13087 | 19171 |
| ## 40 | Denver-Aurora-Lakewood, CO | 2850221 | 1450715 | 1395732 |
| ## 356 | Albany-Lebanon, OR | 122870 | 45171 | 53321 |
| ## 473 | Montgomery, AL | 373589 | 165393 | 149732 |
| ## 133 | San Francisco-Oakland-Berkeley, CA | 4673221 | 2400290 | 2241034 |

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|--------|--|----------|---------|---------|
| ## 152 | Los Angeles-Long Beach-Anaheim, CA | 13262234 | 6249699 | 5825012 |
| ## 4 | | 0 | 0 | 0 |
| ## 56 | Denver-Aurora-Lakewood, CO | 2850221 | 1450715 | 1395732 |
| ## 384 | New York-Newark-Jersey City, NY-NJ-PA | 19318471 | 9159786 | 8946175 |
| ## 145 | | 0 | 0 | 0 |
| ## 234 | Dothan, AL | 147967 | 56621 | 58360 |
| ## 361 | New York-Newark-Jersey City, NY-NJ-PA | 19318471 | 9159786 | 8946175 |
| ## 348 | Detroit-Warren-Dearborn, MI | 4317179 | 1934459 | 1915549 |
| ## 197 | Palm Bay-Melbourne-Titusville, FL | 576808 | 202858 | 228580 |
| ## 136 | New York-Newark-Jersey City, NY-NJ-PA | 19318471 | 9159786 | 8946175 |
| ## 192 | Rochester, NY | 1074667 | 515048 | 505251 |
| ## 258 | Sioux Falls, SD | 255438 | 149820 | 6207 |
| ## 61 | Dallas-Fort Worth-Arlington, TX | 7189384 | 3545715 | 3364458 |
| ## 240 | Los Angeles-Long Beach-Anaheim, CA | 13262234 | 6249699 | 5825012 |
| ## 293 | Odessa, TX | 158342 | 67119 | 67934 |
| ## 255 | McComb, MS | 39737 | 15217 | 15441 |
| ## 245 | Montgomery, AL | 373589 | 165393 | 149732 |
| ## 77 | Virginia Beach-Norfolk-Newport News, VA-NC | 1758598 | 719208 | 731855 |
| ## 156 | Fairbanks, AK | 99653 | 33200 | 396 |
| ## 43 | San Jose-Sunnyvale-Santa Clara, CA | 1981616 | 1077279 | 947987 |
| ## 474 | Boston-Cambridge-Newton, MA-NH | 4811732 | 2432520 | 2464508 |
| ## 449 | San Juan-Bayamón-Caguas, PR | 2142392 | 0 | 0 |
| ## 214 | Port St. Lucie, FL | 463172 | 141634 | 175973 |
| ## 91 | San Francisco-Oakland-Berkeley, CA | 4673221 | 2400290 | 2241034 |
| ## 285 | Winchester, VA-WV | 136305 | 58498 | 61605 |
| ## 364 | New York-Newark-Jersey City, NY-NJ-PA | 19318471 | 9159786 | 8946175 |
| ## 178 | | 0 | 0 | 0 |
| ## 93 | Dallas-Fort Worth-Arlington, TX | 7189384 | 3545715 | 3364458 |
| ## 84 | Philadelphia-Camden-Wilmington, PA-NJ-DE-MD | 6069448 | 2853154 | 2862819 |
| ## 146 | Los Angeles-Long Beach-Anaheim, CA | 13262234 | 6249699 | 5825012 |
| ## 64 | Austin-Round Rock-Georgetown, TX | 2058351 | 1004341 | 967584 |
| ## 326 | San Diego-Chula Vista-Carlsbad, CA | 3302833 | 1403191 | 1419381 |
| ## 273 | Fort Payne, AL | 71200 | 21129 | 25832 |
| ## 355 | Los Angeles-Long Beach-Anaheim, CA | 13262234 | 6249699 | 5825012 |
| ## 228 | Chattanooga, TN-GA | 552043 | 243707 | 227779 |
| ## 117 | Las Vegas-Henderson-Paradise, NV | 2141574 | 956530 | 941812 |
| ## 29 | Roanoke Rapids, NC | 71923 | 20035 | 26360 |
| ## 45 | Boston-Cambridge-Newton, MA-NH | 4811732 | 2432520 | 2464508 |
| ## 176 | Providence-Warwick, RI-MA | 1615516 | 666239 | 775615 |
| ## 198 | El Paso, TX | 841752 | 326612 | 320101 |
| ## 488 | Cambridge, MD | 32261 | 10621 | 15629 |
| ## 35 | Indianapolis-Carmel-Anderson, IN | 2007497 | 1054199 | 975648 |
| ## 54 | Chicago-Naperville-Elgin, IL-IN-WI | 9536428 | 4559884 | 4448938 |
| ## 208 | San Juan-Bayamón-Caguas, PR | 2142392 | 0 | 0 |
| ## 402 | Kansas City, MO-KS | 2106632 | 1050118 | 1023869 |
| ## 417 | Little Rock-North Little Rock-Conway, AR | 734502 | 346204 | 315683 |
| ## 345 | Houston-The Woodlands-Sugar Land, TX | 6779104 | 2975382 | 2886903 |
| ## 60 | Jacksonville, FL | 1475386 | 694925 | 662664 |
| ## 105 | Kennett, MO | 30428 | 9279 | 11579 |
| ## 283 | Clarksville, TN-KY | 296295 | 83743 | 96859 |
| ## 210 | Riverside-San Bernardino-Ontario, CA | 4518699 | 1439654 | 1749931 |
| ## 207 | New York-Newark-Jersey City, NY-NJ-PA | 19318471 | 9159786 | 8946175 |
| ## 487 | Washington-Arlington-Alexandria, DC-VA-MD-WV | 6151521 | 2806497 | 2713860 |
| ## 33 | Palm Bay-Melbourne-Titusville, FL | 576808 | 202858 | 228580 |

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|--------|---|----------|---------|---------|
| ## 267 | Phoenix-Mesa-Chandler, AZ | 4673634 | 2007240 | 1958550 |
| ## 163 | Fort Wayne, IN | 403665 | 201597 | 190085 |
| ## 81 | Lubbock, TX | 313123 | 152685 | 141710 |
| ## 223 | Boston-Cambridge-Newton, MA-NH | 4811732 | 2432520 | 2464508 |
| ## 386 | Portland-South Portland, ME | 529323 | 263399 | 260498 |
| ## 343 | Phoenix-Mesa-Chandler, AZ | 4673634 | 2007240 | 1958550 |
| ## 137 | New York-Newark-Jersey City, NY-NJ-PA | 19318471 | 9159786 | 8946175 |
| ## 483 | Boston-Cambridge-Newton, MA-NH | 4811732 | 2432520 | 2464508 |
| ## 71 | Tampa-St. Petersburg-Clearwater, FL | 3030047 | 1307910 | 1293226 |
| ## 358 | Huntington-Ashland, WV-KY-OH | 364446 | 130201 | 136843 |
| ## 323 | Waco, TX | 265728 | 111945 | 113623 |
| ## 385 | | 0 | 0 | 0 |
| ## 261 | Nashville-Davidson--Murfreeseboro--Franklin, TN | 1839460 | 953875 | 878260 |
| ## 17 | Los Angeles-Long Beach-Anaheim, CA | 13262234 | 6249699 | 5825012 |
| ## 275 | Los Angeles-Long Beach-Anaheim, CA | 13262234 | 6249699 | 5825012 |
| ## 338 | Dallas-Fort Worth-Arlington, TX | 7189384 | 3545715 | 3364458 |
| ## 315 | Philadelphia-Camden-Wilmington, PA-NJ-DE-MD | 6069448 | 2853154 | 2862819 |
| ## 189 | Lincoln, NE | 327221 | 180577 | 161555 |
| ## 243 | San Francisco-Oakland-Berkeley, CA | 4673221 | 2400290 | 2241034 |
| ## 179 | Portland-Vancouver-Hillsboro, OR-WA | 2417931 | 1165042 | 1140463 |
| ## 107 | Davenport-Moline-Rock Island, IA-IL | 382720 | 178110 | 175828 |
| ## 305 | Great Falls, MT | 81746 | 34738 | 34680 |
| ## 248 | San Francisco-Oakland-Berkeley, CA | 4673221 | 2400290 | 2241034 |
| ## 419 | Dallas-Fort Worth-Arlington, TX | 7189384 | 3545715 | 3364458 |
| ## 395 | New York-Newark-Jersey City, NY-NJ-PA | 19318471 | 9159786 | 8946175 |
| ## 496 | Fairmont, WV | 56497 | 19291 | 23894 |
| ## 86 | New Orleans-Metairie, LA | 1263635 | 542579 | 515090 |
| ## 438 | Merced, CA | 269075 | 74458 | 95862 |
| ## 282 | Charleston-North Charleston, SC | 759247 | 334671 | 329066 |
| ## 23 | Nashville-Davidson--Murfreeseboro--Franklin, TN | 1839460 | 953875 | 878260 |
| ## 321 | Los Angeles-Long Beach-Anaheim, CA | 13262234 | 6249699 | 5825012 |
| ## 406 | | 0 | 0 | 0 |
| ## 51 | Dallas-Fort Worth-Arlington, TX | 7189384 | 3545715 | 3364458 |
| ## 55 | Jacksonville, NC | 193912 | 40707 | 51357 |
| ## 106 | Cincinnati, OH-KY-IN | 2191667 | 1052646 | 1048487 |
| ## 427 | San Angelo, TX | 120131 | 46860 | 47082 |
| ## 290 | Phoenix-Mesa-Chandler, AZ | 4673634 | 2007240 | 1958550 |
| ## 324 | Chicago-Naperville-Elgin, IL-IN-WI | 9536428 | 4559884 | 4448938 |
| ## 15 | New York-Newark-Jersey City, NY-NJ-PA | 19318471 | 9159786 | 8946175 |
| ## 303 | New Orleans-Metairie, LA | 1263635 | 542579 | 515090 |
| ## 169 | | 0 | 0 | 0 |
| ## 116 | Nashville-Davidson--Murfreeseboro--Franklin, TN | 1839460 | 953875 | 878260 |
| ## 102 | | 0 | 0 | 0 |
| ## 262 | Philadelphia-Camden-Wilmington, PA-NJ-DE-MD | 6069448 | 2853154 | 2862819 |
| ## 448 | Detroit-Warren-Dearborn, MI | 4317179 | 1934459 | 1915549 |
| ## 380 | St. Louis, MO-IL | 2805551 | 1358210 | 1335660 |
| ## 418 | Salt Lake City, UT | 1185990 | 689888 | 583540 |
| ## 489 | Mankato, MN | 100105 | 53897 | 47422 |
| ## 235 | Springfield, MO | 458834 | 207493 | 192437 |
| ## 457 | Washington-Arlington-Alexandria, DC-VA-MD-WV | 6151521 | 2806497 | 2713860 |
| ## 244 | Chicago-Naperville-Elgin, IL-IN-WI | 9536428 | 4559884 | 4448938 |
| ## 25 | | 0 | 0 | 0 |
| ## 281 | Elmira, NY | 85740 | 34914 | 34493 |
| ## 119 | Dallas-Fort Worth-Arlington, TX | 7189384 | 3545715 | 3364458 |

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|--------|--|----------|---------|---------|
| ## 400 | Baton Rouge, LA | 852356 | 403005 | 363799 |
| ## 481 | Baltimore-Columbia-Towson, MD | 2793250 | 1316328 | 1277911 |
| ## 180 | New York-Newark-Jersey City, NY-NJ-PA | 19318471 | 9159786 | 8946175 |
| ## 482 | Chicago-Naperville-Elgin, IL-IN-WI | 9536428 | 4559884 | 4448938 |
| ## 319 | St. Louis, MO-IL | 2805551 | 1358210 | 1335660 |
| ## 38 | Cincinnati, OH-KY-IN | 2191667 | 1052646 | 1048487 |
| ## 388 | Urban Honolulu, HI | 987638 | 398284 | 374498 |
| ## 309 | Morristown, TN | 140000 | 48819 | 55521 |
| ## 78 | Hartford-East Hartford-Middletown, CT | 1209367 | 637565 | 595341 |
| ## 7 | New York-Newark-Jersey City, NY-NJ-PA | 19318471 | 9159786 | 8946175 |
| ## 12 | Duncan, OK | 43983 | 14753 | 17011 |
| ## 211 | | 0 | 0 | 0 |
| ## 167 | Dayton-Kettering, OH | 802645 | 359907 | 345347 |
| ## 377 | Milwaukee-Waukesha, WI | 1575907 | 856719 | 779865 |
| ## 332 | San Francisco-Oakland-Berkeley, CA | 4673221 | 2400290 | 2241034 |
| ## 144 | Roanoke, VA | 313291 | 157595 | 136443 |
| ## 260 | Savannah, GA | 381623 | 164704 | 155057 |
| ## 453 | Portland-Vancouver-Hillsboro, OR-WA | 2417931 | 1165042 | 1140463 |
| ## 491 | Indianapolis-Carmel-Anderson, IN | 2007497 | 1054199 | 975648 |
| ## 52 | Brownsville-Harlingen, TX | 421750 | 131920 | 145656 |
| ## 206 | Denver-Aurora-Lakewood, CO | 2850221 | 1450715 | 1395732 |
| ## 160 | Dallas-Fort Worth-Arlington, TX | 7189384 | 3545715 | 3364458 |
| ## 277 | St. Marys, PA | 30608 | 14811 | 15945 |
| ## 88 | New York-Newark-Jersey City, NY-NJ-PA | 19318471 | 9159786 | 8946175 |
| ## 1 | Chicago-Naperville-Elgin, IL-IN-WI | 9536428 | 4559884 | 4448938 |
| ## 426 | Pittsburgh, PA | 2339941 | 1138726 | 1105247 |
| ## 353 | Montgomery, AL | 373589 | 165393 | 149732 |
| ## 157 | Houston-The Woodlands-Sugar Land, TX | 6779104 | 2975382 | 2886903 |
| ## 368 | Reno, NV | 454427 | 224076 | 217537 |
| ## 365 | New York-Newark-Jersey City, NY-NJ-PA | 19318471 | 9159786 | 8946175 |
| ## 57 | Charleston-North Charleston, SC | 759247 | 334671 | 329066 |
| ## 493 | Hickory-Lenoir-Morganton, NC | 365339 | 151555 | 157009 |
| ## 259 | Hillsdale, MI | 45830 | 13087 | 19171 |
| ## 265 | | 0 | 0 | 0 |
| ## 307 | Minneapolis-St. Paul-Bloomington, MN-WI | 3542616 | 1921136 | 1875754 |
| ## 170 | Tampa-St. Petersburg-Clearwater, FL | 3030047 | 1307910 | 1293226 |
| ## 121 | Eau Claire, WI | 166626 | 83379 | 75389 |
| ## 276 | | 0 | 0 | 0 |
| ## 394 | San Jose-Sunnyvale-Santa Clara, CA | 1981616 | 1077279 | 947987 |
| ## 32 | | 0 | 0 | 0 |
| ## 2 | Worcester, MA-CT | 938818 | 336137 | 463067 |
| ## 219 | Harrisburg-Carlisle, PA | 567872 | 328478 | 264250 |
| ## 327 | Plattsburgh, NY | 80794 | 31125 | 34095 |
| ## 257 | San Diego-Chula Vista-Carlsbad, CA | 3302833 | 1403191 | 1419381 |
| ## 227 | Portland-Vancouver-Hillsboro, OR-WA | 2417931 | 1165042 | 1140463 |
| ## 195 | San Jose-Sunnyvale-Santa Clara, CA | 1981616 | 1077279 | 947987 |
| ## 59 | New York-Newark-Jersey City, NY-NJ-PA | 19318471 | 9159786 | 8946175 |
| ## 497 | Killeen-Temple, TX | 438265 | 119993 | 144049 |
| ## 311 | Charlottesville, VA | 213901 | 105399 | 92221 |
| ## 363 | Louisville/Jefferson County, KY-IN | 1252890 | 646247 | 607669 |
| ## 46 | Killeen-Temple, TX | 438265 | 119993 | 144049 |
| ## 490 | Boston-Cambridge-Newton, MA-NH | 4811732 | 2432520 | 2464508 |
| ## 286 | New York-Newark-Jersey City, NY-NJ-PA | 19318471 | 9159786 | 8946175 |
| ## 256 | Nashville-Davidson--Murfreesboro--Franklin, TN | 1839460 | 953875 | 878260 |

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|--------|--|----------|---------|---------|
| ## 41 | Washington-Arlington-Alexandria, DC-VA-MD-WV | 6151521 | 2806497 | 2713860 |
| ## 462 | New Orleans-Metairie, LA | 1263635 | 542579 | 515090 |
| ## 110 | | 0 | 0 | 0 |
| ## 249 | Philadelphia-Camden-Wilmington, PA-NJ-DE-MD | 6069448 | 2853154 | 2862819 |
| ## 185 | Huntsville, AL | 450612 | 205060 | 182148 |
| ## 150 | Knoxville, TN | 845486 | 386588 | 364269 |
| ## 331 | Riverside-San Bernardino-Ontario, CA | 4518699 | 1439654 | 1749931 |
| ## 271 | | 0 | 0 | 0 |
| ## 268 | Sacramento-Roseville-Folsom, CA | 2291738 | 951760 | 964523 |
| ## 463 | Providence-Warwick, RI-MA | 1615516 | 666239 | 775615 |
| ## 495 | Greenville-Anderson, SC | 883853 | 408160 | 385889 |
| ## 362 | Chicago-Naperville-Elgin, IL-IN-WI | 9536428 | 4559884 | 4448938 |
| ## 460 | Houston-The Woodlands-Sugar Land, TX | 6779104 | 2975382 | 2886903 |
| ## 330 | San Francisco-Oakland-Berkeley, CA | 4673221 | 2400290 | 2241034 |
| ## 231 | Tampa-St. Petersburg-Clearwater, FL | 3030047 | 1307910 | 1293226 |
| ## 19 | Tampa-St. Petersburg-Clearwater, FL | 3030047 | 1307910 | 1293226 |
| ## 142 | New York-Newark-Jersey City, NY-NJ-PA | 19318471 | 9159786 | 8946175 |
| ## 472 | Indiana, PA | 85755 | 31107 | 32458 |
| ## 279 | New York-Newark-Jersey City, NY-NJ-PA | 19318471 | 9159786 | 8946175 |
| ## 295 | Madison, WI | 647281 | 389187 | 345594 |
| ## 148 | | 0 | 0 | 0 |
| ## 99 | Columbus, OH | 2054062 | 1038033 | 970174 |
| ## 373 | Phoenix-Mesa-Chandler, AZ | 4673634 | 2007240 | 1958550 |
| ## 312 | Grand Rapids-Kentwood, MI | 1054559 | 576143 | 498099 |
| ## 393 | Syracuse, NY | 654705 | 300270 | 289977 |
| ## 173 | New York-Newark-Jersey City, NY-NJ-PA | 19318471 | 9159786 | 8946175 |
| ## 162 | Tampa-St. Petersburg-Clearwater, FL | 3030047 | 1307910 | 1293226 |
| ## 374 | Phoenix-Mesa-Chandler, AZ | 4673634 | 2007240 | 1958550 |
| ## 76 | Chicago-Naperville-Elgin, IL-IN-WI | 9536428 | 4559884 | 4448938 |
| ## 500 | Miami-Fort Lauderdale-Pompano Beach, FL | 6070944 | 2560082 | 2503411 |
| ## 216 | | 0 | 0 | 0 |
| ## 411 | Atlanta-Sandy Springs-Alpharetta, GA | 5779463 | 2644680 | 2542699 |
| ## 230 | Memphis, TN-MS-AR | 1337738 | 615157 | 589984 |
| ## 16 | | 0 | 0 | 0 |
| ## 222 | San Juan-Bayamón-Caguas, PR | 2142392 | 0 | 0 |
| ## 8 | New York-Newark-Jersey City, NY-NJ-PA | 19318471 | 9159786 | 8946175 |
| ## 340 | | 0 | 0 | 0 |
| ## 22 | Philadelphia-Camden-Wilmington, PA-NJ-DE-MD | 6069448 | 2853154 | 2862819 |
| ## 128 | Los Angeles-Long Beach-Anaheim, CA | 13262234 | 6249699 | 5825012 |
| ## 469 | Sacramento-Roseville-Folsom, CA | 2291738 | 951760 | 964523 |
| ## 109 | Fort Collins, CO | 338161 | 146399 | 153912 |
| ## 50 | Wilson, NC | 81336 | 35557 | 32842 |
| ## 69 | Detroit-Warren-Dearborn, MI | 4317179 | 1934459 | 1915549 |
| ## 403 | Miami-Fort Lauderdale-Pompano Beach, FL | 6070944 | 2560082 | 2503411 |
| ## 442 | Buffalo-Cheektowaga, NY | 1131570 | 546694 | 525947 |
| ## 143 | Houston-The Woodlands-Sugar Land, TX | 6779104 | 2975382 | 2886903 |
| ## 168 | Denver-Aurora-Lakewood, CO | 2850221 | 1450715 | 1395732 |
| ## 360 | Tampa-St. Petersburg-Clearwater, FL | 3030047 | 1307910 | 1293226 |
| ## 20 | Las Vegas-Henderson-Paradise, NV | 2141574 | 956530 | 941812 |
| ## 440 | Boston-Cambridge-Newton, MA-NH | 4811732 | 2432520 | 2464508 |
| ## 451 | Atlanta-Sandy Springs-Alpharetta, GA | 5779463 | 2644680 | 2542699 |
| ## 196 | Cape Girardeau, MO-IL | 97137 | 43852 | 43410 |
| ## 27 | Charleston-Mattoon, IL | 62601 | 26976 | 25205 |
| ## 134 | Kansas City, MO-KS | 2106632 | 1050118 | 1023869 |

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|--------|---|----------|---------|---------|
| ## 494 | New York-Newark-Jersey City, NY-NJ-PA | 19318471 | 9159786 | 8946175 |
| ## 205 | Houston-The Woodlands-Sugar Land, TX | 6779104 | 2975382 | 2886903 |
| ## 294 | New York-Newark-Jersey City, NY-NJ-PA | 19318471 | 9159786 | 8946175 |
| ## 123 | Hermiston-Pendleton, OR | 88113 | 35956 | 35955 |
| ## 253 | | 0 | 0 | 0 |
| ## 466 | Phoenix-Mesa-Chandler, AZ | 4673634 | 2007240 | 1958550 |
| ## 139 | Las Vegas-Henderson-Paradise, NV | 2141574 | 956530 | 941812 |
| ## 95 | | 0 | 0 | 0 |
| ## 369 | Tampa-St. Petersburg-Clearwater, FL | 3030047 | 1307910 | 1293226 |
| ## 127 | Charlottesville, VA | 213901 | 105399 | 92221 |
| ## 484 | Atlanta-Sandy Springs-Alpharetta, GA | 5779463 | 2644680 | 2542699 |
| ## 450 | | 0 | 0 | 0 |
| ## 72 | Cincinnati, OH-KY-IN | 2191667 | 1052646 | 1048487 |
| ## 204 | Cincinnati, OH-KY-IN | 2191667 | 1052646 | 1048487 |
| ## 301 | Milwaukee-Waukesha, WI | 1575907 | 856719 | 779865 |
| ## 465 | Charlotte-Concord-Gastonia, NC-SC | 2498431 | 1213734 | 1157275 |
| ## 339 | Florence, SC | 205814 | 84941 | 82012 |
| ## 328 | New York-Newark-Jersey City, NY-NJ-PA | 19318471 | 9159786 | 8946175 |
| ## 299 | Tucson, AZ | 1019722 | 350408 | 374082 |
| ## 349 | New York-Newark-Jersey City, NY-NJ-PA | 19318471 | 9159786 | 8946175 |
| ## 399 | Cincinnati, OH-KY-IN | 2191667 | 1052646 | 1048487 |
| ## 92 | Tallahassee, FL | 380101 | 179620 | 156596 |
| ## 467 | Kansas City, MO-KS | 2106632 | 1050118 | 1023869 |
| ## 352 | Milwaukee-Waukesha, WI | 1575907 | 856719 | 779865 |
| ## 232 | | 0 | 0 | 0 |
| ## 13 | Indianapolis-Carmel-Anderson, IN | 2007497 | 1054199 | 975648 |
| ## 104 | Phoenix-Mesa-Chandler, AZ | 4673634 | 2007240 | 1958550 |
| ## 80 | | 0 | 0 | 0 |
| ## 131 | Orlando-Kissimmee-Sanford, FL | 2450261 | 1262313 | 1135710 |
| ## 376 | New York-Newark-Jersey City, NY-NJ-PA | 19318471 | 9159786 | 8946175 |
| ## 166 | | 0 | 0 | 0 |
| ## 478 | Kansas City, MO-KS | 2106632 | 1050118 | 1023869 |
| ## 264 | Allentown-Bethlehem-Easton, PA-NJ | 834615 | 358206 | 399180 |
| ## 254 | Myrtle Beach-Conway-North Myrtle Beach, SC-NC | 447775 | 158065 | 170832 |
| ## 129 | New York-Newark-Jersey City, NY-NJ-PA | 19318471 | 9159786 | 8946175 |
| ## 292 | Las Vegas-Henderson-Paradise, NV | 2141574 | 956530 | 941812 |
| ## 430 | Fort Wayne, IN | 403665 | 201597 | 190085 |
| ## 130 | Omaha-Council Bluffs, NE-IA | 922891 | 481123 | 467163 |
| ## 183 | San Francisco-Oakland-Berkeley, CA | 4673221 | 2400290 | 2241034 |
| ## 325 | Miami-Fort Lauderdale-Pompano Beach, FL | 6070944 | 2560082 | 2503411 |
| ## 280 | Phoenix-Mesa-Chandler, AZ | 4673634 | 2007240 | 1958550 |
| ## 420 | Los Angeles-Long Beach-Anaheim, CA | 13262234 | 6249699 | 5825012 |
| ## 18 | Lafayette-West Lafayette, IN | 226202 | 97859 | 93107 |
| ## 74 | Philadelphia-Camden-Wilmington, PA-NJ-DE-MD | 6069448 | 2853154 | 2862819 |
| ## 153 | | 0 | 0 | 0 |
| ## 447 | Sunbury, PA | 92325 | 27490 | 39710 |
| ## 172 | Minneapolis-St. Paul-Bloomington, MN-WI | 3542616 | 1921136 | 1875754 |
| ## 79 | Los Angeles-Long Beach-Anaheim, CA | 13262234 | 6249699 | 5825012 |
| ## 344 | New York-Newark-Jersey City, NY-NJ-PA | 19318471 | 9159786 | 8946175 |
| ## 354 | Detroit-Warren-Dearborn, MI | 4317179 | 1934459 | 1915549 |
| ## 225 | New York-Newark-Jersey City, NY-NJ-PA | 19318471 | 9159786 | 8946175 |
| ## 239 | New York-Newark-Jersey City, NY-NJ-PA | 19318471 | 9159786 | 8946175 |
| ## 220 | Seattle-Tacoma-Bellevue, WA | 3809717 | 1919635 | 1798352 |
| ## 94 | Pottsville, PA | 143555 | 50174 | 64368 |

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|--------|---|--------------|--------------|--------------|--------|---------|-----|
| ## 288 | Seattle-Tacoma-Bellevue, WA | 3809717 | 1919635 | 1798352 | | | |
| ## 62 | Beaumont-Port Arthur, TX | 395636 | 154215 | 161001 | | | |
| ## 251 | Philadelphia-Camden-Wilmington, PA-NJ-DE-MD | 6069448 | 2853154 | 2862819 | | | |
| ## 389 | New York-Newark-Jersey City, NY-NJ-PA | 19318471 | 9159786 | 8946175 | | | |
| ## 382 | Eugene-Springfield, OR | 368882 | 153842 | 154619 | | | |
| ## 246 | Lakeland-Winter Haven, FL | 668671 | 232843 | 272979 | | | |
| ## 425 | Portland-South Portland, ME | 529323 | 263399 | 260498 | | | |
| ## 174 | Louisville/Jefferson County, KY-IN | 1252890 | 646247 | 607669 | | | |
| ## 296 | Dayton-Kettering, OH | 802645 | 359907 | 345347 | | | |
| ## 461 | Cleveland-Elyria, OH | 2061766 | 1023177 | 961969 | | | |
| ## 367 | Modesto, CA | 539301 | 186753 | 213072 | | | |
| ## 48 | Meridian, MS | 103358 | 39030 | 37914 | | | |
| ## 408 | Richmond, VA | 1258398 | 644437 | 606810 | | | |
| ## 218 | Roanoke, VA | 313291 | 157595 | 136443 | | | |
| ## | Ac_Total | Ac_Water | Ac_Land | Ac_Unpr | TotPop | CountHU | HH |
| ## 429 | 3.502379e+03 | 2.131114e+02 | 3.289267e+03 | 3.289267e+03 | 745 | 271 | 271 |
| ## 297 | 2.040950e+02 | 2.065756e-01 | 2.038884e+02 | 1.665444e+02 | 778 | 440 | 427 |
| ## 221 | 7.438647e+02 | 0.000000e+00 | 7.438647e+02 | 6.617654e+02 | 2269 | 586 | 586 |
| ## 83 | 1.464535e+02 | 0.000000e+00 | 1.464535e+02 | 1.464535e+02 | 1493 | 591 | 574 |
| ## 431 | 1.897401e+03 | 3.900473e+00 | 1.893501e+03 | 1.844383e+03 | 1497 | 612 | 562 |
| ## 284 | 1.664504e+03 | 7.056556e+02 | 9.588488e+02 | 7.700146e+02 | 790 | 539 | 372 |
| ## 159 | 2.033831e+01 | 0.000000e+00 | 2.033831e+01 | 2.033831e+01 | 1626 | 523 | 491 |
| ## 263 | 7.479801e+03 | 2.571323e+00 | 7.477229e+03 | 7.458551e+03 | 1503 | 665 | 612 |
| ## 435 | 3.873357e+02 | 0.000000e+00 | 3.873357e+02 | 3.873357e+02 | 1312 | 616 | 616 |
| ## 302 | 1.729466e+04 | 9.305786e+00 | 1.728535e+04 | 1.728535e+04 | 1562 | 586 | 557 |
| ## 485 | 2.019909e+02 | 0.000000e+00 | 2.019909e+02 | 1.946960e+02 | 1925 | 641 | 599 |
| ## 250 | 2.981036e+03 | 1.370664e+01 | 2.967329e+03 | 2.967329e+03 | 591 | 327 | 273 |
| ## 410 | 4.556178e+01 | 0.000000e+00 | 4.556178e+01 | 4.556178e+01 | 1315 | 531 | 449 |
| ## 445 | 2.425089e+01 | 0.000000e+00 | 2.425089e+01 | 1.380751e+01 | 677 | 338 | 281 |
| ## 63 | 3.044655e+02 | 0.000000e+00 | 3.044655e+02 | 3.031446e+02 | 1626 | 616 | 524 |
| ## 247 | 1.993057e+02 | 0.000000e+00 | 1.993057e+02 | 1.953729e+02 | 1686 | 917 | 870 |
| ## 415 | 1.766958e+02 | 0.000000e+00 | 1.766958e+02 | 1.766958e+02 | 782 | 420 | 420 |
| ## 194 | 1.659748e+02 | 0.000000e+00 | 1.659748e+02 | 1.659748e+02 | 836 | 434 | 434 |
| ## 390 | 1.082669e+04 | 4.361822e+02 | 1.039051e+04 | 8.223357e+03 | 3002 | 1089 | 976 |
| ## 191 | 6.724238e+02 | 5.370718e+00 | 6.670531e+02 | 5.371676e+02 | 2244 | 1026 | 721 |
| ## 477 | 3.710426e+02 | 2.187823e+00 | 3.688548e+02 | 2.088954e+02 | 1628 | 621 | 608 |
| ## 468 | 8.179405e+01 | 0.000000e+00 | 8.179405e+01 | 8.179405e+01 | 1013 | 442 | 442 |
| ## 70 | 2.308937e+02 | 0.000000e+00 | 2.308937e+02 | 2.042036e+02 | 1089 | 355 | 306 |
| ## 229 | 1.655659e+02 | 0.000000e+00 | 1.655659e+02 | 1.618019e+02 | 1465 | 595 | 555 |
| ## 97 | 3.455948e+02 | 0.000000e+00 | 3.455948e+02 | 3.336355e+02 | 3051 | 964 | 964 |
| ## 112 | 6.255831e+01 | 0.000000e+00 | 6.255831e+01 | 6.255831e+01 | 1113 | 397 | 352 |
| ## 458 | 5.578505e+03 | 1.846010e+01 | 5.560045e+03 | 5.560045e+03 | 589 | 286 | 228 |
| ## 126 | 1.378025e+02 | 0.000000e+00 | 1.378025e+02 | 1.030096e+02 | 610 | 375 | 341 |
| ## 434 | 1.691125e+02 | 2.441348e-01 | 1.688684e+02 | 1.588109e+02 | 1990 | 629 | 608 |
| ## 372 | 3.641088e+03 | 0.000000e+00 | 3.641088e+03 | 3.641088e+03 | 1209 | 645 | 531 |
| ## 171 | 3.434912e+03 | 8.715958e+00 | 3.426196e+03 | 5.065955e+02 | 37 | 8 | 8 |
| ## 455 | 1.956104e+03 | 1.588112e+01 | 1.940223e+03 | 1.940223e+03 | 619 | 264 | 260 |
| ## 432 | 1.930728e+02 | 0.000000e+00 | 1.930728e+02 | 1.915462e+02 | 1042 | 576 | 503 |
| ## 437 | 8.612325e+01 | 0.000000e+00 | 8.612325e+01 | 8.598998e+01 | 678 | 353 | 242 |
| ## 215 | 2.991454e+02 | 0.000000e+00 | 2.991454e+02 | 2.991454e+02 | 1053 | 698 | 565 |
| ## 441 | 1.002695e+02 | 0.000000e+00 | 1.002695e+02 | 1.002695e+02 | 766 | 300 | 274 |
| ## 213 | 2.018802e+02 | 5.911126e+00 | 1.959691e+02 | 1.959691e+02 | 2141 | 976 | 805 |
| ## 118 | 3.339089e+02 | 2.496081e+01 | 3.089481e+02 | 3.089481e+02 | 1881 | 970 | 875 |
| ## 456 | 1.288429e+01 | 0.000000e+00 | 1.288429e+01 | 1.288429e+01 | 842 | 203 | 193 |

| | | | | | | | |
|--------|--------------|--------------|--------------|--------------|------|------|------|
| ## 58 | 6.521859e+03 | 2.901399e+01 | 6.492845e+03 | 6.492845e+03 | 2838 | 933 | 899 |
| ## 379 | 7.118654e+01 | 0.000000e+00 | 7.118654e+01 | 7.118654e+01 | 2025 | 1219 | 888 |
| ## 407 | 1.386827e+02 | 0.000000e+00 | 1.386827e+02 | 1.386827e+02 | 527 | 209 | 209 |
| ## 422 | 1.190449e+02 | 0.000000e+00 | 1.190449e+02 | 1.083592e+02 | 1265 | 527 | 474 |
| ## 351 | 1.809746e+02 | 0.000000e+00 | 1.809746e+02 | 1.775664e+02 | 3009 | 805 | 805 |
| ## 452 | 5.909384e+02 | 1.996346e+01 | 5.709750e+02 | 5.709750e+02 | 2853 | 1130 | 1029 |
| ## 366 | 1.934852e+02 | 0.000000e+00 | 1.934852e+02 | 1.934852e+02 | 743 | 296 | 296 |
| ## 397 | 3.353684e+03 | 2.521903e+00 | 3.351162e+03 | 3.351162e+03 | 2714 | 929 | 845 |
| ## 201 | 8.717794e+03 | 5.369236e+00 | 8.712425e+03 | 8.712425e+03 | 1381 | 714 | 545 |
| ## 10 | 1.267719e+02 | 0.000000e+00 | 1.267719e+02 | 1.267719e+02 | 1109 | 544 | 434 |
| ## 480 | 1.169040e+05 | 2.544142e+00 | 1.169015e+05 | 5.336648e+04 | 1303 | 969 | 630 |
| ## 446 | 3.956832e+02 | 1.151115e+01 | 3.841721e+02 | 3.841721e+02 | 2029 | 931 | 798 |
| ## 82 | 8.956883e+02 | 6.235314e+02 | 2.721569e+02 | 2.501160e+02 | 695 | 269 | 269 |
| ## 151 | 2.198666e+02 | 0.000000e+00 | 2.198666e+02 | 2.025738e+02 | 1684 | 538 | 444 |
| ## 236 | 3.665805e+03 | 7.867664e+00 | 3.657937e+03 | 3.657937e+03 | 1783 | 803 | 740 |
| ## 237 | 7.163824e+01 | 0.000000e+00 | 7.163824e+01 | 6.713307e+01 | 917 | 781 | 739 |
| ## 479 | 3.959531e+04 | 4.299309e+03 | 3.529601e+04 | 3.207073e+04 | 810 | 644 | 396 |
| ## 383 | 1.921666e+04 | 5.514170e+03 | 1.370249e+04 | 1.228586e+04 | 1332 | 692 | 629 |
| ## 75 | 4.561501e+02 | 0.000000e+00 | 4.561501e+02 | 2.053314e+02 | 1646 | 715 | 654 |
| ## 350 | 1.654999e+04 | 2.666197e+03 | 1.388379e+04 | 1.228289e+04 | 699 | 338 | 298 |
| ## 310 | 9.322169e+01 | 0.000000e+00 | 9.322169e+01 | 9.322169e+01 | 1611 | 530 | 530 |
| ## 475 | 1.367654e+02 | 0.000000e+00 | 1.367654e+02 | 1.367654e+02 | 627 | 279 | 253 |
| ## 101 | 1.177529e+03 | 0.000000e+00 | 1.177529e+03 | 1.177529e+03 | 3604 | 1490 | 1272 |
| ## 65 | 4.358530e+03 | 6.686291e+02 | 3.689901e+03 | 3.568857e+03 | 1073 | 603 | 434 |
| ## 291 | 5.309094e+02 | 0.000000e+00 | 5.309094e+02 | 5.117407e+02 | 1411 | 552 | 492 |
| ## 199 | 6.759013e+03 | 5.435187e+01 | 6.704661e+03 | 6.704661e+03 | 2471 | 851 | 820 |
| ## 436 | 1.456459e+02 | 7.057670e+00 | 1.385883e+02 | 1.385883e+02 | 475 | 216 | 216 |
| ## 387 | 1.544078e+02 | 0.000000e+00 | 1.544078e+02 | 1.544078e+02 | 919 | 442 | 343 |
| ## 100 | 4.134240e+02 | 0.000000e+00 | 4.134240e+02 | 4.053528e+02 | 1850 | 650 | 558 |
| ## 334 | 1.281629e+02 | 0.000000e+00 | 1.281629e+02 | 1.281629e+02 | 776 | 351 | 303 |
| ## 439 | 1.058483e+02 | 0.000000e+00 | 1.058483e+02 | 1.058483e+02 | 3384 | 1305 | 1063 |
| ## 87 | 1.522825e+02 | 0.000000e+00 | 1.522825e+02 | 1.522825e+02 | 924 | 383 | 303 |
| ## 333 | 1.215218e+02 | 0.000000e+00 | 1.215218e+02 | 1.215218e+02 | 1745 | 629 | 609 |
| ## 184 | 4.886286e+02 | 0.000000e+00 | 4.886286e+02 | 4.734507e+02 | 1680 | 814 | 762 |
| ## 186 | 5.106989e+01 | 0.000000e+00 | 5.106989e+01 | 5.106989e+01 | 1366 | 794 | 757 |
| ## 49 | 5.087934e+04 | 3.900004e+02 | 5.048934e+04 | 5.048934e+04 | 549 | 269 | 218 |
| ## 357 | 3.262486e+01 | 0.000000e+00 | 3.262486e+01 | 3.261119e+01 | 574 | 216 | 205 |
| ## 224 | 9.007660e+01 | 0.000000e+00 | 9.007660e+01 | 9.007660e+01 | 489 | 201 | 201 |
| ## 486 | 3.800174e+03 | 1.873092e+01 | 3.781443e+03 | 3.781443e+03 | 2150 | 755 | 755 |
| ## 164 | 1.369448e+03 | 0.000000e+00 | 1.369448e+03 | 1.260701e+03 | 2024 | 941 | 854 |
| ## 226 | 2.241046e+02 | 0.000000e+00 | 2.241046e+02 | 2.215254e+02 | 1156 | 377 | 377 |
| ## 404 | 1.173522e+02 | 0.000000e+00 | 1.173522e+02 | 1.118891e+02 | 908 | 273 | 273 |
| ## 272 | 1.225737e+02 | 0.000000e+00 | 1.225737e+02 | 1.225737e+02 | 1520 | 513 | 461 |
| ## 238 | 1.439766e+04 | 3.300329e+02 | 1.406762e+04 | 1.364556e+04 | 1968 | 755 | 668 |
| ## 140 | 4.366315e+04 | 4.270844e+02 | 4.323607e+04 | 4.318479e+04 | 1863 | 697 | 539 |
| ## 31 | 3.071853e+03 | 0.000000e+00 | 3.071853e+03 | 2.670523e+03 | 3062 | 1622 | 1432 |
| ## 313 | 1.544363e+04 | 6.325241e+01 | 1.538037e+04 | 1.535556e+04 | 541 | 311 | 285 |
| ## 359 | 3.802695e+03 | 6.410787e+02 | 3.161617e+03 | 3.130530e+03 | 1514 | 745 | 686 |
| ## 181 | 4.638423e+04 | 2.023709e+02 | 4.618186e+04 | 4.618186e+04 | 2227 | 857 | 694 |
| ## 90 | 3.397007e+01 | 0.000000e+00 | 3.397007e+01 | 3.342939e+01 | 2099 | 745 | 745 |
| ## 444 | 1.942947e+02 | 0.000000e+00 | 1.942947e+02 | 1.942947e+02 | 1265 | 706 | 576 |
| ## 85 | 2.062465e+03 | 2.330504e+02 | 1.829414e+03 | 1.761610e+03 | 1881 | 571 | 541 |
| ## 187 | 9.477402e+02 | 4.813409e+01 | 8.996061e+02 | 8.996061e+02 | 3048 | 962 | 962 |
| ## 30 | 2.109682e+03 | 1.220533e+02 | 1.987629e+03 | 1.958023e+03 | 1080 | 463 | 396 |

| | | | | | | | |
|--------|--------------|--------------|--------------|--------------|------|------|------|
| ## 304 | 6.160448e+02 | 0.000000e+00 | 6.160448e+02 | 6.160448e+02 | 1875 | 748 | 705 |
| ## 202 | 1.761954e+03 | 0.000000e+00 | 1.761954e+03 | 1.739622e+03 | 1739 | 604 | 550 |
| ## 37 | 2.687238e+04 | 9.672705e+01 | 2.677565e+04 | 2.677565e+04 | 1847 | 829 | 746 |
| ## 287 | 1.205902e+02 | 0.000000e+00 | 1.205902e+02 | 1.184933e+02 | 1396 | 425 | 392 |
| ## 471 | 1.671132e+02 | 0.000000e+00 | 1.671132e+02 | 9.882339e+01 | 604 | 287 | 264 |
| ## 314 | 5.746187e+02 | 3.728739e-01 | 5.742458e+02 | 5.716588e+02 | 2528 | 1088 | 1088 |
| ## 36 | 4.208607e+01 | 6.718402e+00 | 3.536767e+01 | 3.283569e+01 | 1427 | 597 | 526 |
| ## 5 | 4.926580e+04 | 5.602508e+02 | 4.870555e+04 | 4.841480e+04 | 779 | 363 | 305 |
| ## 108 | 7.070233e+02 | 8.403871e-01 | 7.061829e+02 | 6.882131e+02 | 2534 | 975 | 867 |
| ## 47 | 1.519477e+03 | 0.000000e+00 | 1.519477e+03 | 1.486899e+03 | 1282 | 612 | 527 |
| ## 89 | 4.842246e+01 | 0.000000e+00 | 4.842246e+01 | 4.842246e+01 | 634 | 261 | 202 |
| ## 454 | 1.338942e+04 | 1.925133e+03 | 1.146429e+04 | 9.149874e+03 | 952 | 559 | 419 |
| ## 336 | 8.087756e+01 | 0.000000e+00 | 8.087756e+01 | 7.511817e+01 | 764 | 368 | 339 |
| ## 252 | 3.399342e+03 | 3.251367e+01 | 3.366828e+03 | 3.064811e+03 | 890 | 375 | 334 |
| ## 464 | 7.514336e+01 | 0.000000e+00 | 7.514336e+01 | 7.514336e+01 | 1332 | 724 | 724 |
| ## 212 | 9.343666e+03 | 4.305149e+01 | 9.300615e+03 | 9.300615e+03 | 1173 | 584 | 474 |
| ## 233 | 1.762666e+02 | 0.000000e+00 | 1.762666e+02 | 1.755322e+02 | 1244 | 716 | 621 |
| ## 428 | 6.947019e+01 | 4.201441e+00 | 6.526875e+01 | 6.526875e+01 | 789 | 221 | 191 |
| ## 154 | 1.655886e+04 | 1.272348e+02 | 1.643163e+04 | 1.643163e+04 | 1211 | 587 | 436 |
| ## 40 | 2.445727e+02 | 1.424037e+00 | 2.431486e+02 | 2.280739e+02 | 1483 | 685 | 629 |
| ## 356 | 1.133805e+04 | 4.101489e+01 | 1.129703e+04 | 1.129703e+04 | 1550 | 614 | 554 |
| ## 473 | 8.058796e+01 | 0.000000e+00 | 8.058796e+01 | 8.058796e+01 | 418 | 214 | 110 |
| ## 133 | 4.374624e+02 | 0.000000e+00 | 4.374624e+02 | 4.360977e+02 | 5573 | 2228 | 2094 |
| ## 152 | 6.160104e+01 | 0.000000e+00 | 6.160104e+01 | 6.160104e+01 | 2144 | 1642 | 1473 |
| ## 4 | 3.333297e+04 | 3.073603e+02 | 3.302561e+04 | 3.280179e+04 | 1244 | 564 | 473 |
| ## 56 | 1.002398e+03 | 7.973917e-01 | 1.001600e+03 | 9.974746e+02 | 848 | 323 | 323 |
| ## 384 | 9.988899e+02 | 3.471918e+02 | 6.516981e+02 | 6.268807e+02 | 2520 | 919 | 839 |
| ## 145 | 3.088370e+04 | 5.702870e+01 | 3.082667e+04 | 2.801643e+04 | 1555 | 820 | 681 |
| ## 234 | 7.178166e+02 | 0.000000e+00 | 7.178166e+02 | 7.178166e+02 | 1812 | 735 | 637 |
| ## 361 | 4.363020e+01 | 0.000000e+00 | 4.363020e+01 | 4.363020e+01 | 1505 | 592 | 522 |
| ## 348 | 2.286471e+02 | 4.654301e+01 | 1.821041e+02 | 1.821041e+02 | 1037 | 440 | 417 |
| ## 197 | 7.351643e+02 | 0.000000e+00 | 7.351643e+02 | 6.906264e+02 | 2452 | 884 | 768 |
| ## 136 | 5.509366e+01 | 0.000000e+00 | 5.509366e+01 | 5.358155e+01 | 1784 | 1028 | 714 |
| ## 192 | 2.338960e+02 | 1.097715e+02 | 1.241245e+02 | 9.312235e+01 | 1035 | 418 | 394 |
| ## 258 | 5.298111e+04 | 8.718553e+01 | 5.289393e+04 | 5.247227e+04 | 2292 | 737 | 726 |
| ## 61 | 2.873071e+02 | 0.000000e+00 | 2.873071e+02 | 1.717831e+02 | 1251 | 510 | 477 |
| ## 240 | 3.901363e+01 | 0.000000e+00 | 3.901363e+01 | 3.901363e+01 | 913 | 282 | 282 |
| ## 293 | 1.412443e+02 | 0.000000e+00 | 1.412443e+02 | 1.412443e+02 | 1009 | 403 | 403 |
| ## 255 | 1.559325e+04 | 1.747837e+01 | 1.557577e+04 | 1.557577e+04 | 831 | 362 | 313 |
| ## 245 | 6.829501e+02 | 8.006089e+01 | 6.028892e+02 | 6.028892e+02 | 1109 | 577 | 497 |
| ## 77 | 2.525621e+02 | 2.056860e+00 | 2.505053e+02 | 2.505053e+02 | 2989 | 1324 | 1199 |
| ## 156 | 1.389238e+03 | 4.223063e+01 | 1.347008e+03 | 1.347008e+03 | 1627 | 611 | 573 |
| ## 43 | 1.043859e+02 | 0.000000e+00 | 1.043859e+02 | 8.416243e+01 | 1269 | 332 | 332 |
| ## 474 | 4.470165e+03 | 6.175622e+01 | 4.408408e+03 | 4.408375e+03 | 1892 | 841 | 813 |
| ## 449 | 1.073049e+03 | 1.409335e+01 | 1.058955e+03 | 1.058955e+03 | 2836 | 911 | 825 |
| ## 214 | 2.499323e+02 | 5.167849e+00 | 2.447644e+02 | 2.447644e+02 | 1007 | 384 | 366 |
| ## 91 | 4.967847e+01 | 0.000000e+00 | 4.967847e+01 | 4.967847e+01 | 583 | 274 | 274 |
| ## 285 | 3.714368e+03 | 4.753018e+01 | 3.666838e+03 | 3.666838e+03 | 717 | 327 | 293 |
| ## 364 | 8.076291e+01 | 0.000000e+00 | 8.076291e+01 | 7.297630e+01 | 792 | 372 | 345 |
| ## 178 | 4.479517e+04 | 2.149963e+02 | 4.458017e+04 | 4.458017e+04 | 1748 | 752 | 630 |
| ## 93 | 1.374847e+02 | 0.000000e+00 | 1.374847e+02 | 1.374847e+02 | 813 | 300 | 300 |
| ## 84 | 1.637927e+01 | 0.000000e+00 | 1.637927e+01 | 1.470407e+01 | 837 | 334 | 334 |
| ## 146 | 6.074840e+02 | 0.000000e+00 | 6.074840e+02 | 3.755862e+02 | 2081 | 653 | 638 |
| ## 64 | 5.301325e+02 | 4.885661e+00 | 5.252469e+02 | 4.155132e+02 | 1868 | 665 | 617 |

| | | | | | | | |
|--------|--------------|--------------|--------------|--------------|------|------|------|
| ## 326 | 1.060054e+02 | 0.000000e+00 | 1.060054e+02 | 1.057000e+02 | 1701 | 1006 | 899 |
| ## 273 | 7.116710e+03 | 2.810515e+00 | 7.113900e+03 | 7.113900e+03 | 863 | 397 | 346 |
| ## 355 | 2.569000e+02 | 0.000000e+00 | 2.569000e+02 | 2.569000e+02 | 1527 | 734 | 668 |
| ## 228 | 2.472916e+03 | 1.107426e+02 | 2.362173e+03 | 2.216751e+03 | 3223 | 993 | 970 |
| ## 117 | 4.596819e+02 | 0.000000e+00 | 4.596819e+02 | 4.596819e+02 | 1003 | 396 | 348 |
| ## 29 | 9.261830e+03 | 8.908696e+00 | 9.252922e+03 | 9.252922e+03 | 521 | 277 | 259 |
| ## 45 | 7.176698e+01 | 0.000000e+00 | 7.176698e+01 | 7.176698e+01 | 1041 | 528 | 528 |
| ## 176 | 7.999769e+02 | 5.532248e+01 | 7.446544e+02 | 0.000000e+00 | 1917 | 728 | 712 |
| ## 198 | 6.347999e+01 | 0.000000e+00 | 6.347999e+01 | 6.347999e+01 | 974 | 376 | 353 |
| ## 488 | 6.586349e+03 | 1.537097e+03 | 5.049252e+03 | 4.877183e+03 | 1436 | 686 | 526 |
| ## 35 | 1.880647e+03 | 7.127263e+02 | 1.167921e+03 | 9.252538e+02 | 1961 | 763 | 742 |
| ## 54 | 5.730217e+02 | 2.377102e-01 | 5.727840e+02 | 2.977122e+02 | 1306 | 553 | 395 |
| ## 208 | 1.179754e+02 | 0.000000e+00 | 1.179754e+02 | 1.179754e+02 | 1207 | 615 | 523 |
| ## 402 | 7.924636e+04 | 5.054361e+02 | 7.874093e+04 | 7.874093e+04 | 1731 | 893 | 767 |
| ## 417 | 1.293712e+02 | 0.000000e+00 | 1.293712e+02 | 1.293055e+02 | 678 | 394 | 230 |
| ## 345 | 1.232653e+03 | 6.413876e+01 | 1.168514e+03 | 1.051687e+03 | 3366 | 1337 | 1294 |
| ## 60 | 3.032713e+02 | 1.210049e+00 | 3.020612e+02 | 3.013183e+02 | 2818 | 1356 | 1186 |
| ## 105 | 9.664024e+02 | 0.000000e+00 | 9.664024e+02 | 9.618043e+02 | 813 | 432 | 331 |
| ## 283 | 5.847799e+02 | 0.000000e+00 | 5.847799e+02 | 5.847799e+02 | 2826 | 0 | 0 |
| ## 210 | 1.685860e+03 | 0.000000e+00 | 1.685860e+03 | 1.673938e+03 | 2279 | 784 | 759 |
| ## 207 | 2.898607e+01 | 0.000000e+00 | 2.898607e+01 | 2.898607e+01 | 2748 | 897 | 897 |
| ## 487 | 8.700342e+01 | 0.000000e+00 | 8.700342e+01 | 8.700342e+01 | 1105 | 441 | 441 |
| ## 33 | 1.604306e+03 | 8.224921e+01 | 1.522057e+03 | 1.179632e+03 | 2130 | 851 | 814 |
| ## 267 | 1.592873e+02 | 0.000000e+00 | 1.592873e+02 | 1.592873e+02 | 1712 | 710 | 590 |
| ## 163 | 4.655829e+02 | 0.000000e+00 | 4.655829e+02 | 4.655829e+02 | 3263 | 1086 | 1063 |
| ## 81 | 1.619427e+02 | 0.000000e+00 | 1.619427e+02 | 1.619427e+02 | 1299 | 424 | 388 |
| ## 223 | 5.753625e+01 | 7.347766e+00 | 5.018848e+01 | 5.018848e+01 | 518 | 155 | 155 |
| ## 386 | 1.489053e+04 | 1.427992e+03 | 1.346254e+04 | 1.153977e+04 | 1742 | 820 | 765 |
| ## 343 | 3.243197e+02 | 1.011875e+01 | 3.142010e+02 | 2.967233e+02 | 785 | 405 | 367 |
| ## 137 | 9.750566e+00 | 0.000000e+00 | 9.750566e+00 | 9.750566e+00 | 826 | 540 | 420 |
| ## 483 | 3.042048e+01 | 0.000000e+00 | 3.042048e+01 | 3.042048e+01 | 703 | 482 | 375 |
| ## 71 | 5.240500e+03 | 9.242800e+01 | 5.148072e+03 | 5.148072e+03 | 1558 | 754 | 717 |
| ## 358 | 6.361211e+02 | 0.000000e+00 | 6.361211e+02 | 6.361211e+02 | 1426 | 724 | 631 |
| ## 323 | 1.869057e+02 | 0.000000e+00 | 1.869057e+02 | 1.869057e+02 | 1152 | 484 | 484 |
| ## 385 | 2.098328e+04 | 7.122924e+02 | 2.027098e+04 | 1.718169e+04 | 1307 | 545 | 442 |
| ## 261 | 1.304159e+03 | 7.409254e+02 | 5.632333e+02 | 4.309655e+02 | 2440 | 958 | 895 |
| ## 17 | 1.315924e+02 | 0.000000e+00 | 1.315924e+02 | 1.315924e+02 | 1350 | 464 | 391 |
| ## 275 | 5.813373e+01 | 0.000000e+00 | 5.813373e+01 | 5.813373e+01 | 804 | 262 | 262 |
| ## 338 | 2.345683e+02 | 0.000000e+00 | 2.345683e+02 | 2.276003e+02 | 1108 | 418 | 389 |
| ## 315 | 3.410290e+03 | 5.812929e+01 | 3.352160e+03 | 3.306032e+03 | 2638 | 1198 | 1168 |
| ## 189 | 6.161414e+01 | 0.000000e+00 | 6.161414e+01 | 5.658244e+01 | 625 | 308 | 308 |
| ## 243 | 2.793216e+02 | 0.000000e+00 | 2.793216e+02 | 2.727763e+02 | 3501 | 923 | 923 |
| ## 179 | 1.231670e+01 | 0.000000e+00 | 1.231670e+01 | 1.231670e+01 | 1121 | 851 | 764 |
| ## 107 | 1.352625e+02 | 0.000000e+00 | 1.352625e+02 | 1.352625e+02 | 951 | 474 | 420 |
| ## 305 | 9.775721e+01 | 0.000000e+00 | 9.775721e+01 | 9.744965e+01 | 1139 | 828 | 694 |
| ## 248 | 9.046294e+03 | 2.656452e+03 | 6.389842e+03 | 1.688977e+03 | 1147 | 858 | 562 |
| ## 419 | 6.713831e+01 | 0.000000e+00 | 6.713831e+01 | 6.712987e+01 | 662 | 398 | 353 |
| ## 395 | 1.400933e+01 | 0.000000e+00 | 1.400933e+01 | 1.400933e+01 | 1992 | 1080 | 842 |
| ## 496 | 7.241613e+03 | 1.459612e+02 | 7.095652e+03 | 7.052194e+03 | 838 | 464 | 415 |
| ## 86 | 8.031368e+01 | 0.000000e+00 | 8.031368e+01 | 8.031368e+01 | 573 | 427 | 372 |
| ## 438 | 1.856655e+02 | 0.000000e+00 | 1.856655e+02 | 1.856655e+02 | 2954 | 684 | 684 |
| ## 282 | 7.197927e+04 | 1.571863e+03 | 7.040741e+04 | 2.500616e+04 | 2353 | 1059 | 923 |
| ## 23 | 4.217187e+02 | 0.000000e+00 | 4.217187e+02 | 4.217187e+02 | 1841 | 777 | 728 |
| ## 321 | 1.315242e+02 | 0.000000e+00 | 1.315242e+02 | 1.038784e+02 | 1538 | 601 | 601 |

| | | | | | | | |
|--------|--------------|--------------|--------------|--------------|------|------|------|
| ## 406 | 7.214195e+04 | 1.588502e+02 | 7.198310e+04 | 3.125624e+04 | 935 | 804 | 464 |
| ## 51 | 1.605144e+02 | 0.000000e+00 | 1.605144e+02 | 1.584481e+02 | 1845 | 570 | 570 |
| ## 55 | 2.065739e+02 | 1.740103e+01 | 1.891728e+02 | 1.891728e+02 | 1099 | 294 | 294 |
| ## 106 | 5.337675e+03 | 7.057127e+01 | 5.267104e+03 | 5.267104e+03 | 3723 | 1262 | 1181 |
| ## 427 | 1.257250e+02 | 0.000000e+00 | 1.257250e+02 | 1.257250e+02 | 445 | 266 | 177 |
| ## 290 | 3.193212e+02 | 1.401057e-01 | 3.191810e+02 | 3.191810e+02 | 2420 | 948 | 871 |
| ## 324 | 4.075667e+01 | 0.000000e+00 | 4.075667e+01 | 4.068756e+01 | 1239 | 635 | 519 |
| ## 15 | 2.582121e+01 | 0.000000e+00 | 2.582121e+01 | 2.438048e+01 | 1185 | 326 | 326 |
| ## 303 | 3.662541e+01 | 0.000000e+00 | 3.662541e+01 | 3.629792e+01 | 657 | 359 | 242 |
| ## 169 | 1.518373e+02 | 0.000000e+00 | 1.518373e+02 | 1.518373e+02 | 931 | 559 | 517 |
| ## 116 | 2.730732e+03 | 0.000000e+00 | 2.730732e+03 | 2.730732e+03 | 1535 | 737 | 686 |
| ## 102 | 2.093145e+05 | 4.523902e+03 | 2.047906e+05 | 1.962278e+05 | 548 | 356 | 221 |
| ## 262 | 8.879136e+02 | 0.000000e+00 | 8.879136e+02 | 8.246774e+02 | 3736 | 1116 | 1031 |
| ## 448 | 2.245346e+03 | 1.525783e+02 | 2.092768e+03 | 2.092768e+03 | 1350 | 564 | 531 |
| ## 380 | 8.257420e+02 | 0.000000e+00 | 8.257420e+02 | 8.257420e+02 | 902 | 332 | 332 |
| ## 418 | 1.521706e+02 | 0.000000e+00 | 1.521706e+02 | 1.374771e+02 | 1528 | 373 | 368 |
| ## 489 | 7.904146e+02 | 9.067829e+00 | 7.813468e+02 | 7.711481e+02 | 1348 | 813 | 781 |
| ## 235 | 8.074768e+02 | 4.761123e+00 | 8.027157e+02 | 7.473907e+02 | 817 | 414 | 414 |
| ## 457 | 8.076735e+01 | 0.000000e+00 | 8.076735e+01 | 6.968811e+01 | 873 | 314 | 309 |
| ## 244 | 1.962290e+02 | 7.091276e+00 | 1.891378e+02 | 1.674692e+02 | 813 | 312 | 312 |
| ## 25 | 6.357887e+03 | 1.158257e+02 | 6.242062e+03 | 6.219561e+03 | 608 | 436 | 283 |
| ## 281 | 1.272019e+02 | 6.035418e+00 | 1.211665e+02 | 1.175252e+02 | 205 | 287 | 142 |
| ## 119 | 1.510984e+02 | 0.000000e+00 | 1.510984e+02 | 1.510984e+02 | 1030 | 406 | 386 |
| ## 400 | 3.806756e+04 | 6.807210e+01 | 3.799949e+04 | 3.791514e+04 | 952 | 517 | 426 |
| ## 481 | 4.314490e+02 | 0.000000e+00 | 4.314490e+02 | 4.314490e+02 | 1947 | 621 | 578 |
| ## 180 | 6.108559e+00 | 0.000000e+00 | 6.108559e+00 | 6.108559e+00 | 1330 | 368 | 368 |
| ## 482 | 4.320583e+02 | 0.000000e+00 | 4.320583e+02 | 3.891779e+02 | 1838 | 825 | 717 |
| ## 319 | 4.823145e+01 | 0.000000e+00 | 4.823145e+01 | 4.823145e+01 | 1012 | 752 | 564 |
| ## 38 | 1.142100e+03 | 4.366010e+00 | 1.137734e+03 | 1.137734e+03 | 3447 | 1225 | 1163 |
| ## 388 | 3.017177e+02 | 0.000000e+00 | 3.017177e+02 | 3.017177e+02 | 1494 | 475 | 475 |
| ## 309 | 1.382935e+04 | 1.588559e+02 | 1.367049e+04 | 1.337710e+04 | 1277 | 535 | 501 |
| ## 78 | 3.139387e+03 | 0.000000e+00 | 3.139387e+03 | 2.892021e+03 | 2010 | 783 | 712 |
| ## 7 | 2.805245e+02 | 1.265646e+01 | 2.678680e+02 | 1.876399e+02 | 1471 | 543 | 471 |
| ## 12 | 2.411567e+03 | 2.012209e+01 | 2.391445e+03 | 2.391445e+03 | 2436 | 1204 | 1039 |
| ## 211 | 1.429323e+04 | 1.593899e+02 | 1.413384e+04 | 6.827732e+03 | 674 | 331 | 295 |
| ## 167 | 3.735829e+03 | 0.000000e+00 | 3.735829e+03 | 3.175407e+03 | 1459 | 680 | 564 |
| ## 377 | 1.521345e+02 | 0.000000e+00 | 1.521345e+02 | 1.521345e+02 | 1381 | 785 | 697 |
| ## 332 | 3.765280e+02 | 0.000000e+00 | 3.765280e+02 | 3.765280e+02 | 1956 | 650 | 650 |
| ## 144 | 8.034479e+02 | 2.285181e+00 | 8.011627e+02 | 8.011627e+02 | 2039 | 991 | 919 |
| ## 260 | 3.037514e+02 | 0.000000e+00 | 3.037514e+02 | 3.037514e+02 | 594 | 274 | 248 |
| ## 453 | 1.241653e+01 | 0.000000e+00 | 1.241653e+01 | 1.061950e+01 | 803 | 663 | 571 |
| ## 491 | 1.144026e+02 | 0.000000e+00 | 1.144026e+02 | 1.116700e+02 | 812 | 432 | 432 |
| ## 52 | 5.012552e+02 | 0.000000e+00 | 5.012552e+02 | 5.012552e+02 | 2461 | 919 | 880 |
| ## 206 | 5.870157e+01 | 0.000000e+00 | 5.870157e+01 | 5.870157e+01 | 702 | 200 | 177 |
| ## 160 | 3.304535e+02 | 0.000000e+00 | 3.304535e+02 | 3.187101e+02 | 1975 | 801 | 771 |
| ## 277 | 2.745800e+03 | 2.120118e-01 | 2.745588e+03 | 2.729401e+03 | 1817 | 840 | 804 |
| ## 88 | 7.627384e+01 | 0.000000e+00 | 7.627384e+01 | 7.627384e+01 | 2085 | 862 | 767 |
| ## 1 | 7.928599e+01 | 0.000000e+00 | 7.928599e+01 | 7.928599e+01 | 985 | 353 | 313 |
| ## 426 | 1.125916e+02 | 0.000000e+00 | 1.125916e+02 | 1.125916e+02 | 1011 | 499 | 462 |
| ## 353 | 1.042744e+03 | 1.686013e+01 | 1.025884e+03 | 1.025884e+03 | 1727 | 629 | 612 |
| ## 157 | 2.477514e+02 | 0.000000e+00 | 2.477514e+02 | 2.477514e+02 | 1166 | 542 | 527 |
| ## 368 | 1.871333e+02 | 3.355865e+00 | 1.837774e+02 | 1.837774e+02 | 1044 | 604 | 507 |
| ## 365 | 1.783345e+01 | 0.000000e+00 | 1.783345e+01 | 1.783345e+01 | 2725 | 1234 | 1178 |
| ## 57 | 3.245285e+02 | 0.000000e+00 | 3.245285e+02 | 3.245285e+02 | 836 | 364 | 276 |

| | | | | | | | |
|--------|--------------|--------------|--------------|--------------|------|------|------|
| ## 493 | 3.908116e+02 | 0.000000e+00 | 3.908116e+02 | 3.908116e+02 | 560 | 298 | 275 |
| ## 259 | 5.633735e+03 | 4.503150e+01 | 5.588704e+03 | 5.588704e+03 | 1492 | 578 | 528 |
| ## 265 | 4.186936e+03 | 1.207751e+01 | 4.174858e+03 | 4.174858e+03 | 2000 | 880 | 847 |
| ## 307 | 2.520181e+03 | 9.308059e+01 | 2.427101e+03 | 2.427101e+03 | 1538 | 630 | 630 |
| ## 170 | 4.111297e+02 | 2.631615e+00 | 4.084981e+02 | 4.084981e+02 | 2575 | 1082 | 1037 |
| ## 121 | 7.573368e+02 | 0.000000e+00 | 7.573368e+02 | 7.573368e+02 | 1765 | 683 | 661 |
| ## 276 | 1.999015e+04 | 1.012198e+02 | 1.988893e+04 | 1.896809e+04 | 1205 | 566 | 487 |
| ## 394 | 1.125988e+02 | 0.000000e+00 | 1.125988e+02 | 1.125988e+02 | 1430 | 430 | 430 |
| ## 32 | 1.922255e+02 | 0.000000e+00 | 1.922255e+02 | 1.922255e+02 | 656 | 327 | 327 |
| ## 2 | 1.975565e+01 | 0.000000e+00 | 1.975565e+01 | 1.975565e+01 | 545 | 384 | 352 |
| ## 219 | 1.050115e+04 | 1.648478e+01 | 1.048466e+04 | 1.048466e+04 | 1715 | 683 | 631 |
| ## 327 | 4.326768e+04 | 2.113730e+02 | 4.305631e+04 | 2.981906e+04 | 1274 | 640 | 510 |
| ## 257 | 2.096542e+02 | 0.000000e+00 | 2.096542e+02 | 1.972260e+02 | 2458 | 789 | 752 |
| ## 227 | 1.001758e+02 | 0.000000e+00 | 1.001758e+02 | 8.770391e+01 | 1791 | 473 | 473 |
| ## 195 | 1.753421e+03 | 0.000000e+00 | 1.753421e+03 | 9.676054e+02 | 3457 | 1130 | 1026 |
| ## 59 | 5.253025e+02 | 4.030695e+00 | 5.212718e+02 | 5.212718e+02 | 376 | 190 | 165 |
| ## 497 | 3.818340e+04 | 1.507504e+03 | 3.667589e+04 | 3.651576e+04 | 955 | 423 | 366 |
| ## 311 | 3.448347e+03 | 2.681628e+01 | 3.421531e+03 | 3.421531e+03 | 2967 | 1488 | 1384 |
| ## 363 | 4.670341e+02 | 5.386780e-02 | 4.669802e+02 | 4.669802e+02 | 1737 | 824 | 783 |
| ## 46 | 2.315472e+04 | 1.564148e+02 | 2.299830e+04 | 1.858447e+04 | 4256 | 1487 | 1474 |
| ## 490 | 1.841883e+01 | 0.000000e+00 | 1.841883e+01 | 1.841883e+01 | 554 | 337 | 325 |
| ## 286 | 1.206320e+02 | 2.245719e+01 | 9.817481e+01 | 9.817481e+01 | 1127 | 155 | 111 |
| ## 256 | 2.180660e+03 | 1.899705e+00 | 2.178761e+03 | 2.155554e+03 | 2108 | 727 | 694 |
| ## 41 | 1.702413e+03 | 6.909657e+00 | 1.695503e+03 | 1.515538e+03 | 2765 | 849 | 826 |
| ## 462 | 1.489502e+02 | 0.000000e+00 | 1.489502e+02 | 1.489502e+02 | 1455 | 692 | 668 |
| ## 110 | 1.931119e+02 | 0.000000e+00 | 1.931119e+02 | 1.860394e+02 | 702 | 241 | 241 |
| ## 249 | 4.670202e+02 | 5.729310e+01 | 4.097271e+02 | 4.095231e+02 | 746 | 353 | 274 |
| ## 185 | 7.542441e+02 | 0.000000e+00 | 7.542441e+02 | 7.285631e+02 | 2330 | 1055 | 980 |
| ## 150 | 3.193226e+02 | 0.000000e+00 | 3.193226e+02 | 3.193226e+02 | 1330 | 659 | 584 |
| ## 331 | 9.438536e+02 | 0.000000e+00 | 9.438536e+02 | 8.480504e+02 | 1952 | 633 | 633 |
| ## 271 | 2.286152e+04 | 1.227445e+02 | 2.273878e+04 | 2.273878e+04 | 668 | 397 | 306 |
| ## 268 | 8.931454e+01 | 0.000000e+00 | 8.931454e+01 | 8.931454e+01 | 1202 | 464 | 365 |
| ## 463 | 4.134922e+01 | 0.000000e+00 | 4.134922e+01 | 4.134922e+01 | 1345 | 325 | 266 |
| ## 495 | 4.835682e+03 | 5.063630e+02 | 4.329319e+03 | 4.329319e+03 | 2903 | 1135 | 1111 |
| ## 362 | 3.071428e+01 | 0.000000e+00 | 3.071428e+01 | 3.071428e+01 | 1522 | 474 | 386 |
| ## 460 | 4.252643e+02 | 1.214917e+01 | 4.131151e+02 | 3.691431e+02 | 3425 | 2497 | 1888 |
| ## 330 | 4.334589e+02 | 2.741033e+02 | 1.593555e+02 | 1.016798e+02 | 895 | 338 | 338 |
| ## 231 | 1.189221e+02 | 3.405779e+00 | 1.155163e+02 | 8.372130e+01 | 703 | 262 | 235 |
| ## 19 | 2.255306e+02 | 5.609170e-02 | 2.254745e+02 | 2.070130e+02 | 1710 | 687 | 603 |
| ## 142 | 1.578277e+01 | 0.000000e+00 | 1.578277e+01 | 1.578277e+01 | 2262 | 542 | 516 |
| ## 472 | 1.162361e+04 | 7.857656e+01 | 1.154503e+04 | 1.152975e+04 | 1484 | 582 | 578 |
| ## 279 | 9.611226e+01 | 5.028238e+00 | 9.108403e+01 | 9.071547e+01 | 1133 | 571 | 522 |
| ## 295 | 2.784918e+04 | 9.690842e+02 | 2.688009e+04 | 2.414616e+04 | 1850 | 824 | 758 |
| ## 148 | 6.984894e+04 | 1.724879e+03 | 6.812406e+04 | 6.812406e+04 | 1475 | 663 | 511 |
| ## 99 | 6.807985e+03 | 5.894743e+01 | 6.749038e+03 | 6.749038e+03 | 1403 | 480 | 469 |
| ## 373 | 2.080150e+02 | 0.000000e+00 | 2.080150e+02 | 2.080150e+02 | 1610 | 729 | 666 |
| ## 312 | 2.832617e+03 | 2.108719e+03 | 7.238977e+02 | 7.048936e+02 | 610 | 445 | 265 |
| ## 393 | 4.942830e+03 | 0.000000e+00 | 4.942830e+03 | 4.942830e+03 | 971 | 447 | 400 |
| ## 173 | 2.754098e+02 | 1.626783e+01 | 2.591419e+02 | 2.504421e+02 | 674 | 244 | 244 |
| ## 162 | 2.250394e+02 | 5.938184e+01 | 1.656576e+02 | 1.654483e+02 | 822 | 342 | 311 |
| ## 374 | 1.623721e+02 | 0.000000e+00 | 1.623721e+02 | 1.623721e+02 | 1382 | 446 | 446 |
| ## 76 | 1.750998e+02 | 0.000000e+00 | 1.750998e+02 | 1.742346e+02 | 1249 | 612 | 436 |
| ## 500 | 1.705870e+02 | 0.000000e+00 | 1.705870e+02 | 1.705870e+02 | 2438 | 1001 | 867 |
| ## 216 | 6.803704e+03 | 7.981330e-01 | 6.802906e+03 | 6.802906e+03 | 1627 | 772 | 691 |

| | | | | | | | |
|--------|--------------|--------------|--------------|--------------|------|------|------|
| ## 411 | 4.427946e+02 | 2.179175e+01 | 4.210028e+02 | 3.871545e+02 | 1766 | 1091 | 926 |
| ## 230 | 1.902294e+02 | 0.000000e+00 | 1.902294e+02 | 1.902294e+02 | 556 | 264 | 238 |
| ## 16 | 7.864857e+04 | 4.171058e+02 | 7.823146e+04 | 7.823146e+04 | 1244 | 517 | 424 |
| ## 222 | 7.906879e+01 | 0.000000e+00 | 7.906879e+01 | 7.906879e+01 | 952 | 572 | 465 |
| ## 8 | 1.526411e+01 | 0.000000e+00 | 1.526411e+01 | 1.526411e+01 | 1346 | 668 | 636 |
| ## 340 | 1.630365e+04 | 0.000000e+00 | 1.630365e+04 | 9.073565e+03 | 1074 | 779 | 602 |
| ## 22 | 2.841003e+02 | 4.127385e+01 | 2.428264e+02 | 2.204630e+02 | 1526 | 580 | 558 |
| ## 128 | 2.003867e+02 | 0.000000e+00 | 2.003867e+02 | 2.003867e+02 | 2749 | 639 | 639 |
| ## 469 | 2.612153e+02 | 0.000000e+00 | 2.612153e+02 | 2.557667e+02 | 1677 | 691 | 656 |
| ## 109 | 1.224768e+02 | 0.000000e+00 | 1.224768e+02 | 1.153645e+02 | 1777 | 821 | 745 |
| ## 50 | 1.171544e+04 | 1.103104e+01 | 1.170441e+04 | 1.170441e+04 | 1042 | 361 | 341 |
| ## 69 | 1.397773e+02 | 0.000000e+00 | 1.397773e+02 | 1.397773e+02 | 996 | 622 | 523 |
| ## 403 | 2.556409e+03 | 0.000000e+00 | 2.556409e+03 | 2.086452e+03 | 736 | 391 | 294 |
| ## 442 | 1.338175e+02 | 0.000000e+00 | 1.338175e+02 | 1.338175e+02 | 1289 | 525 | 502 |
| ## 143 | 7.319893e+02 | 0.000000e+00 | 7.319893e+02 | 7.319893e+02 | 4675 | 1260 | 1213 |
| ## 168 | 8.049332e+01 | 0.000000e+00 | 8.049332e+01 | 8.049332e+01 | 1505 | 603 | 603 |
| ## 360 | 1.347780e+02 | 2.544636e+00 | 1.322333e+02 | 1.322333e+02 | 2140 | 1244 | 1090 |
| ## 20 | 1.289133e+02 | 0.000000e+00 | 1.289133e+02 | 1.288244e+02 | 1653 | 597 | 429 |
| ## 440 | 8.069683e+02 | 4.771896e+01 | 7.592493e+02 | 7.200639e+02 | 1644 | 682 | 647 |
| ## 451 | 7.740949e+02 | 8.889423e+00 | 7.652054e+02 | 7.652054e+02 | 2491 | 867 | 827 |
| ## 196 | 2.446186e+04 | 2.896877e+01 | 2.443289e+04 | 2.368855e+04 | 960 | 420 | 420 |
| ## 27 | 2.623998e+04 | 5.326586e+01 | 2.618671e+04 | 2.613483e+04 | 655 | 337 | 291 |
| ## 134 | 2.439668e+02 | 5.305237e-01 | 2.434362e+02 | 1.619671e+02 | 1386 | 468 | 468 |
| ## 494 | 6.892234e+02 | 3.076790e+01 | 6.584555e+02 | 5.988664e+02 | 1906 | 739 | 739 |
| ## 205 | 1.417220e+03 | 4.727937e+01 | 1.369941e+03 | 1.365477e+03 | 3812 | 1462 | 1387 |
| ## 294 | 7.908188e+00 | 0.000000e+00 | 7.908188e+00 | 7.876000e+00 | 1382 | 367 | 362 |
| ## 123 | 1.573960e+02 | 0.000000e+00 | 1.573960e+02 | 1.471208e+02 | 564 | 288 | 288 |
| ## 253 | 2.671812e+04 | 3.120554e+02 | 2.640607e+04 | 2.640607e+04 | 1671 | 755 | 655 |
| ## 466 | 8.796365e+01 | 0.000000e+00 | 8.796365e+01 | 8.796365e+01 | 898 | 368 | 368 |
| ## 139 | 2.150170e+02 | 0.000000e+00 | 2.150170e+02 | 2.150170e+02 | 1331 | 825 | 628 |
| ## 95 | 5.367133e+04 | 6.304534e+01 | 5.360829e+04 | 5.360829e+04 | 1101 | 533 | 439 |
| ## 369 | 1.541822e+02 | 0.000000e+00 | 1.541822e+02 | 1.541822e+02 | 1275 | 527 | 491 |
| ## 127 | 1.514278e+04 | 2.107756e+02 | 1.493201e+04 | 1.493201e+04 | 1873 | 814 | 751 |
| ## 484 | 3.748074e+03 | 2.019394e+03 | 1.728680e+03 | 1.029793e+03 | 1525 | 648 | 566 |
| ## 450 | 1.755544e+04 | 1.461684e+03 | 1.609375e+04 | 1.609375e+04 | 1343 | 678 | 598 |
| ## 72 | 8.931207e+01 | 0.000000e+00 | 8.931207e+01 | 8.011896e+01 | 407 | 347 | 278 |
| ## 204 | 2.896433e+03 | 4.787315e+00 | 2.891646e+03 | 2.645345e+03 | 1123 | 486 | 466 |
| ## 301 | 2.862399e+02 | 5.155989e+00 | 2.810839e+02 | 2.315494e+02 | 1310 | 508 | 508 |
| ## 465 | 7.335230e+02 | 6.419658e+00 | 7.271034e+02 | 7.271034e+02 | 1631 | 609 | 609 |
| ## 339 | 7.948408e+03 | 7.165159e+00 | 7.941242e+03 | 7.936046e+03 | 1761 | 685 | 649 |
| ## 328 | 1.151437e+01 | 0.000000e+00 | 1.151437e+01 | 1.151437e+01 | 1992 | 763 | 669 |
| ## 299 | 1.955868e+02 | 0.000000e+00 | 1.955868e+02 | 1.945343e+02 | 1261 | 725 | 614 |
| ## 349 | 3.813457e+02 | 0.000000e+00 | 3.813457e+02 | 2.406691e+02 | 1125 | 404 | 404 |
| ## 399 | 5.390603e+03 | 8.743411e+01 | 5.303169e+03 | 5.303169e+03 | 804 | 415 | 361 |
| ## 92 | 1.516734e+02 | 0.000000e+00 | 1.516734e+02 | 1.516734e+02 | 1302 | 534 | 504 |
| ## 467 | 8.805236e+01 | 0.000000e+00 | 8.805236e+01 | 8.451777e+01 | 765 | 390 | 236 |
| ## 352 | 8.450178e+01 | 0.000000e+00 | 8.450178e+01 | 7.938219e+01 | 1075 | 398 | 351 |
| ## 232 | 5.541440e+02 | 1.173181e+01 | 5.424122e+02 | 5.424122e+02 | 605 | 494 | 366 |
| ## 13 | 4.061447e+02 | 0.000000e+00 | 4.061447e+02 | 4.061447e+02 | 2443 | 997 | 959 |
| ## 104 | 1.783879e+02 | 0.000000e+00 | 1.783879e+02 | 1.783879e+02 | 2870 | 864 | 834 |
| ## 80 | 3.125905e+04 | 4.601348e+01 | 3.121304e+04 | 3.106364e+04 | 1436 | 591 | 483 |
| ## 131 | 2.179102e+04 | 8.007752e+02 | 2.099024e+04 | 1.071499e+04 | 3909 | 2086 | 1855 |
| ## 376 | 1.661899e+03 | 9.775241e+02 | 6.843751e+02 | 6.701744e+02 | 1644 | 489 | 489 |
| ## 166 | 2.236428e+05 | 1.103660e+04 | 2.126062e+05 | 4.235501e+04 | 1127 | 612 | 409 |

| | | | | | | | | |
|----|-----|--------------|--------------|--------------|--------------|------------|-----------|-------------|
| ## | 478 | 1.498187e+02 | 0.000000e+00 | 1.498187e+02 | 1.403844e+02 | 1084 | 484 | 460 |
| ## | 264 | 9.966408e+01 | 0.000000e+00 | 9.966408e+01 | 9.933870e+01 | 735 | 339 | 286 |
| ## | 254 | 1.635545e+03 | 5.465037e+01 | 1.580894e+03 | 1.580894e+03 | 3720 | 2770 | 1687 |
| ## | 129 | 6.234975e+01 | 0.000000e+00 | 6.234975e+01 | 6.234975e+01 | 386 | 178 | 156 |
| ## | 292 | 4.529259e+02 | 0.000000e+00 | 4.529259e+02 | 4.529259e+02 | 1496 | 469 | 449 |
| ## | 430 | 9.677323e+02 | 0.000000e+00 | 9.677323e+02 | 7.798148e+02 | 512 | 314 | 223 |
| ## | 130 | 6.213811e+02 | 0.000000e+00 | 6.213811e+02 | 6.213811e+02 | 2590 | 797 | 797 |
| ## | 183 | 6.832809e+01 | 0.000000e+00 | 6.832809e+01 | 5.152403e+01 | 2522 | 1524 | 1408 |
| ## | 325 | 1.929485e+02 | 8.758460e+00 | 1.841901e+02 | 1.788648e+02 | 1506 | 393 | 393 |
| ## | 280 | 1.529154e+02 | 7.405093e+00 | 1.455103e+02 | 1.455103e+02 | 1508 | 703 | 640 |
| ## | 420 | 1.085812e+02 | 0.000000e+00 | 1.085812e+02 | 1.085812e+02 | 1484 | 472 | 463 |
| ## | 18 | 9.040030e+01 | 0.000000e+00 | 9.040030e+01 | 9.040030e+01 | 1711 | 693 | 630 |
| ## | 74 | 4.449332e+01 | 0.000000e+00 | 4.449332e+01 | 4.449332e+01 | 1173 | 566 | 566 |
| ## | 153 | 1.199973e+04 | 3.684681e+01 | 1.196288e+04 | 1.179108e+04 | 1668 | 626 | 546 |
| ## | 447 | 1.928848e+02 | 3.415416e+00 | 1.894694e+02 | 1.894694e+02 | 1032 | 582 | 537 |
| ## | 172 | 3.470767e+01 | 0.000000e+00 | 3.470767e+01 | 3.470767e+01 | 623 | 346 | 208 |
| ## | 79 | 7.899490e+01 | 2.932089e+00 | 7.606282e+01 | 7.606282e+01 | 668 | 203 | 195 |
| ## | 344 | 2.342335e+01 | 0.000000e+00 | 2.342335e+01 | 2.342335e+01 | 2807 | 1304 | 1304 |
| ## | 354 | 6.067491e+01 | 0.000000e+00 | 6.067491e+01 | 6.067491e+01 | 678 | 400 | 216 |
| ## | 225 | 2.219257e+02 | 0.000000e+00 | 2.219257e+02 | 2.219257e+02 | 1826 | 748 | 722 |
| ## | 239 | 2.894604e+01 | 0.000000e+00 | 2.894604e+01 | 2.894604e+01 | 1602 | 462 | 455 |
| ## | 220 | 9.607050e+01 | 0.000000e+00 | 9.607050e+01 | 9.607050e+01 | 591 | 293 | 247 |
| ## | 94 | 8.977817e+03 | 7.988965e+01 | 8.897928e+03 | 8.255408e+03 | 992 | 462 | 443 |
| ## | 288 | 4.316417e+01 | 0.000000e+00 | 4.316417e+01 | 4.316417e+01 | 1608 | 929 | 870 |
| ## | 62 | 2.630706e+02 | 0.000000e+00 | 2.630706e+02 | 2.630706e+02 | 439 | 195 | 160 |
| ## | 251 | 6.460504e+01 | 5.932377e+00 | 5.867266e+01 | 5.855725e+01 | 1412 | 684 | 575 |
| ## | 389 | 1.462973e+02 | 6.858261e+00 | 1.394390e+02 | 1.394390e+02 | 812 | 583 | 542 |
| ## | 382 | 9.305593e+03 | 8.966493e+01 | 9.215928e+03 | 8.822064e+03 | 1270 | 560 | 523 |
| ## | 246 | 8.353794e+02 | 2.524942e+02 | 5.828852e+02 | 5.819229e+02 | 2246 | 777 | 757 |
| ## | 425 | 3.612197e+02 | 0.000000e+00 | 3.612197e+02 | 3.612197e+02 | 1981 | 905 | 820 |
| ## | 174 | 6.206065e+01 | 0.000000e+00 | 6.206065e+01 | 6.206065e+01 | 602 | 380 | 220 |
| ## | 296 | 8.243132e+01 | 0.000000e+00 | 8.243132e+01 | 8.243132e+01 | 643 | 436 | 319 |
| ## | 461 | 4.312562e+01 | 0.000000e+00 | 4.312562e+01 | 4.312562e+01 | 1025 | 618 | 555 |
| ## | 367 | 1.109714e+02 | 0.000000e+00 | 1.109714e+02 | 1.109714e+02 | 475 | 179 | 179 |
| ## | 48 | 5.596185e+02 | 5.897536e+00 | 5.537210e+02 | 5.537210e+02 | 853 | 394 | 315 |
| ## | 408 | 7.707584e+03 | 1.382179e+02 | 7.569366e+03 | 7.468482e+03 | 1765 | 810 | 783 |
| ## | 218 | 8.678565e+02 | 1.690164e-01 | 8.676874e+02 | 8.538485e+02 | 1474 | 468 | 423 |
| ## | | P_WrkAge | AutoOwn0 | Pct_A00 | AutoOwn1 | Pct_A01 | AutoOwn2p | Pct_A02p |
| ## | 429 | 0.562 | 0 | 0.000000000 | 32 | 0.11808118 | 239 | 0.881918819 |
| ## | 297 | 0.856 | 30 | 0.070257611 | 152 | 0.35597190 | 245 | 0.573770492 |
| ## | 221 | 0.599 | 0 | 0.000000000 | 135 | 0.23037543 | 451 | 0.769624573 |
| ## | 83 | 0.650 | 16 | 0.027874564 | 161 | 0.28048780 | 397 | 0.691637631 |
| ## | 431 | 0.606 | 0 | 0.000000000 | 153 | 0.27224199 | 409 | 0.727758007 |
| ## | 284 | 0.476 | 22 | 0.059139785 | 191 | 0.51344086 | 159 | 0.427419355 |
| ## | 159 | 0.613 | 309 | 0.629327902 | 147 | 0.29938900 | 35 | 0.071283096 |
| ## | 263 | 0.655 | 0 | 0.000000000 | 251 | 0.41013072 | 361 | 0.589869281 |
| ## | 435 | 0.597 | 159 | 0.258116883 | 360 | 0.58441558 | 97 | 0.157467532 |
| ## | 302 | 0.648 | 50 | 0.089766607 | 98 | 0.17594255 | 409 | 0.734290844 |
| ## | 485 | 0.570 | 7 | 0.011686144 | 54 | 0.09015025 | 538 | 0.898163606 |
| ## | 250 | 0.658 | 15 | 0.054945055 | 63 | 0.23076923 | 195 | 0.714285714 |
| ## | 410 | 0.671 | 131 | 0.291759465 | 226 | 0.50334076 | 92 | 0.204899777 |
| ## | 445 | 0.595 | 167 | 0.594306050 | 99 | 0.35231317 | 15 | 0.053380783 |
| ## | 63 | 0.639 | 87 | 0.166030534 | 132 | 0.25190840 | 305 | 0.582061069 |
| ## | 247 | 0.644 | 212 | 0.243678161 | 485 | 0.55747126 | 173 | 0.198850575 |

| | | | | | | | |
|--------|-------|-----|-------------|-----|------------|-----|-------------|
| ## 415 | 0.524 | 0 | 0.000000000 | 158 | 0.37619048 | 262 | 0.623809524 |
| ## 194 | 0.740 | 75 | 0.172811060 | 288 | 0.66359447 | 71 | 0.163594470 |
| ## 390 | 0.622 | 0 | 0.000000000 | 117 | 0.11987705 | 859 | 0.880122951 |
| ## 191 | 0.615 | 56 | 0.077669903 | 266 | 0.36893204 | 399 | 0.553398058 |
| ## 477 | 0.701 | 0 | 0.000000000 | 372 | 0.61184211 | 236 | 0.388157895 |
| ## 468 | 0.606 | 55 | 0.124434389 | 141 | 0.31900452 | 246 | 0.556561086 |
| ## 70 | 0.552 | 11 | 0.035947712 | 81 | 0.26470588 | 214 | 0.699346405 |
| ## 229 | 0.690 | 53 | 0.095495495 | 169 | 0.30450450 | 333 | 0.600000000 |
| ## 97 | 0.564 | 49 | 0.050829876 | 267 | 0.27697095 | 648 | 0.672199170 |
| ## 112 | 0.672 | 28 | 0.079545455 | 146 | 0.41477273 | 178 | 0.505681818 |
| ## 458 | 0.569 | 17 | 0.074561404 | 60 | 0.26315789 | 151 | 0.662280702 |
| ## 126 | 0.369 | 19 | 0.055718475 | 192 | 0.56304985 | 130 | 0.381231672 |
| ## 434 | 0.627 | 4 | 0.006578947 | 97 | 0.15953947 | 507 | 0.833881579 |
| ## 372 | 0.630 | 10 | 0.018832392 | 184 | 0.34651601 | 337 | 0.634651601 |
| ## 171 | 0.514 | 0 | 0.000000000 | 0 | 0.00000000 | 8 | 1.000000000 |
| ## 455 | 0.628 | 17 | 0.065384615 | 115 | 0.44230769 | 128 | 0.492307692 |
| ## 432 | 0.673 | 0 | 0.000000000 | 266 | 0.52882704 | 237 | 0.471172962 |
| ## 437 | 0.512 | 0 | 0.000000000 | 116 | 0.47933884 | 126 | 0.520661157 |
| ## 215 | 0.620 | 38 | 0.067256637 | 371 | 0.65663717 | 156 | 0.276106195 |
| ## 441 | 0.581 | 15 | 0.054744526 | 102 | 0.37226277 | 157 | 0.572992701 |
| ## 213 | 0.586 | 49 | 0.060869565 | 388 | 0.48198758 | 368 | 0.457142857 |
| ## 118 | 0.636 | 168 | 0.192000000 | 302 | 0.34514286 | 405 | 0.462857143 |
| ## 456 | 0.525 | 11 | 0.056994819 | 59 | 0.30569948 | 123 | 0.637305699 |
| ## 58 | 0.606 | 18 | 0.020022247 | 312 | 0.34705228 | 569 | 0.632925473 |
| ## 379 | 0.563 | 45 | 0.050675676 | 526 | 0.59234234 | 317 | 0.356981982 |
| ## 407 | 0.770 | 18 | 0.086124402 | 59 | 0.28229665 | 132 | 0.631578947 |
| ## 422 | 0.795 | 0 | 0.000000000 | 117 | 0.24683544 | 357 | 0.753164557 |
| ## 351 | 0.477 | 129 | 0.160248447 | 229 | 0.28447205 | 447 | 0.555279503 |
| ## 452 | 0.673 | 33 | 0.032069971 | 358 | 0.34791059 | 638 | 0.620019436 |
| ## 366 | 0.659 | 14 | 0.047297297 | 73 | 0.24662162 | 209 | 0.706081081 |
| ## 397 | 0.559 | 8 | 0.009467456 | 82 | 0.09704142 | 755 | 0.893491124 |
| ## 201 | 0.595 | 0 | 0.000000000 | 260 | 0.47706422 | 285 | 0.522935780 |
| ## 10 | 0.627 | 102 | 0.235023041 | 239 | 0.55069124 | 93 | 0.214285714 |
| ## 480 | 0.561 | 7 | 0.011111111 | 72 | 0.11428571 | 551 | 0.874603175 |
| ## 446 | 0.655 | 80 | 0.100250627 | 270 | 0.33834587 | 448 | 0.561403509 |
| ## 82 | 0.373 | 11 | 0.040892193 | 32 | 0.11895911 | 226 | 0.840148699 |
| ## 151 | 0.630 | 8 | 0.018018018 | 85 | 0.19144144 | 351 | 0.790540541 |
| ## 236 | 0.617 | 25 | 0.033783784 | 224 | 0.30270270 | 491 | 0.663513514 |
| ## 237 | 0.872 | 149 | 0.201623816 | 481 | 0.65087957 | 109 | 0.147496617 |
| ## 479 | 0.489 | 10 | 0.025252525 | 148 | 0.37373737 | 238 | 0.601010101 |
| ## 383 | 0.708 | 0 | 0.000000000 | 164 | 0.26073132 | 465 | 0.739268680 |
| ## 75 | 0.552 | 41 | 0.062691131 | 231 | 0.35321101 | 382 | 0.584097859 |
| ## 350 | 0.575 | 14 | 0.046979866 | 63 | 0.21140940 | 221 | 0.741610738 |
| ## 310 | 0.580 | 58 | 0.109433962 | 238 | 0.44905660 | 234 | 0.441509434 |
| ## 475 | 0.574 | 15 | 0.059288538 | 98 | 0.38735178 | 140 | 0.553359684 |
| ## 101 | 0.583 | 31 | 0.024371069 | 381 | 0.29952830 | 860 | 0.676100629 |
| ## 65 | 0.463 | 67 | 0.154377880 | 204 | 0.47004608 | 163 | 0.375576037 |
| ## 291 | 0.510 | 22 | 0.044715447 | 112 | 0.22764228 | 358 | 0.727642276 |
| ## 199 | 0.601 | 8 | 0.009756098 | 127 | 0.15487805 | 685 | 0.835365854 |
| ## 436 | 0.585 | 22 | 0.101851852 | 67 | 0.31018518 | 127 | 0.587962963 |
| ## 387 | 0.620 | 111 | 0.323615160 | 46 | 0.13411079 | 186 | 0.542274052 |
| ## 100 | 0.649 | 9 | 0.016129032 | 177 | 0.31720430 | 372 | 0.666666667 |
| ## 334 | 0.559 | 33 | 0.108910891 | 83 | 0.27392739 | 187 | 0.617161716 |
| ## 439 | 0.597 | 77 | 0.072436500 | 264 | 0.24835372 | 722 | 0.679209784 |

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|--------|-------|-----------------|----------------|------------------|
| ## 87 | 0.601 | 12 0.039603960 | 151 0.49834984 | 140 0.462046205 |
| ## 333 | 0.580 | 34 0.055829228 | 367 0.60262726 | 208 0.341543514 |
| ## 184 | 0.568 | 72 0.094488189 | 337 0.44225722 | 353 0.463254593 |
| ## 186 | 0.648 | 54 0.071334214 | 419 0.55350066 | 284 0.375165125 |
| ## 49 | 0.497 | 1 0.004587156 | 35 0.16055046 | 182 0.834862385 |
| ## 357 | 0.700 | 0 0.000000000 | 54 0.26341463 | 151 0.736585366 |
| ## 224 | 0.652 | 0 0.000000000 | 114 0.56716418 | 87 0.432835821 |
| ## 486 | 0.570 | 0 0.000000000 | 167 0.22119205 | 588 0.778807947 |
| ## 164 | 0.529 | 154 0.180327869 | 286 0.33489461 | 414 0.484777518 |
| ## 226 | 0.530 | 0 0.000000000 | 169 0.44827586 | 208 0.551724138 |
| ## 404 | 0.693 | 6 0.021978022 | 17 0.06227106 | 250 0.915750916 |
| ## 272 | 0.584 | 0 0.000000000 | 198 0.42950109 | 263 0.570498915 |
| ## 238 | 0.581 | 40 0.059880240 | 120 0.17964072 | 508 0.760479042 |
| ## 140 | 0.572 | 95 0.176252319 | 54 0.10018553 | 390 0.723562152 |
| ## 31 | 0.327 | 17 0.011871508 | 344 0.24022346 | 1071 0.747905028 |
| ## 313 | 0.512 | 6 0.021052632 | 66 0.23157895 | 213 0.747368421 |
| ## 359 | 0.635 | 18 0.026239067 | 222 0.32361516 | 446 0.650145773 |
| ## 181 | 0.542 | 0 0.000000000 | 68 0.09798271 | 626 0.902017291 |
| ## 90 | 0.803 | 178 0.238926174 | 437 0.58657718 | 130 0.174496644 |
| ## 444 | 0.614 | 52 0.090277778 | 191 0.33159722 | 333 0.578125000 |
| ## 85 | 0.608 | 9 0.016635860 | 117 0.21626617 | 415 0.767097967 |
| ## 187 | 0.560 | 0 0.000000000 | 158 0.16424116 | 804 0.835758836 |
| ## 30 | 0.593 | 54 0.136363636 | 163 0.41161616 | 179 0.452020202 |
| ## 304 | 0.503 | 0 0.000000000 | 258 0.36595745 | 447 0.634042553 |
| ## 202 | 0.710 | 0 0.000000000 | 15 0.02727273 | 535 0.972727273 |
| ## 37 | 0.573 | 46 0.061662198 | 269 0.36058981 | 431 0.577747989 |
| ## 287 | 0.610 | 22 0.056122449 | 96 0.24489796 | 274 0.698979592 |
| ## 471 | 0.576 | 36 0.136363636 | 81 0.30681818 | 147 0.556818182 |
| ## 314 | 0.548 | 44 0.040441176 | 386 0.35477941 | 658 0.604779412 |
| ## 36 | 0.661 | 152 0.288973384 | 226 0.42965780 | 148 0.281368821 |
| ## 5 | 0.533 | 8 0.026229508 | 56 0.18360656 | 241 0.790163934 |
| ## 108 | 0.622 | 36 0.041522491 | 289 0.33333333 | 542 0.625144175 |
| ## 47 | 0.670 | 7 0.013282732 | 209 0.39658444 | 311 0.590132827 |
| ## 89 | 0.560 | 94 0.465346535 | 79 0.39108911 | 29 0.143564356 |
| ## 454 | 0.482 | 49 0.116945107 | 192 0.45823389 | 178 0.424821002 |
| ## 336 | 0.632 | 8 0.023598820 | 125 0.36873156 | 206 0.607669617 |
| ## 252 | 0.574 | 2 0.005988024 | 33 0.09880240 | 299 0.895209581 |
| ## 464 | 0.759 | 62 0.085635359 | 441 0.60911602 | 221 0.305248619 |
| ## 212 | 0.552 | 12 0.025316456 | 178 0.37552743 | 284 0.599156118 |
| ## 233 | 0.596 | 15 0.024154589 | 355 0.57165862 | 251 0.404186795 |
| ## 428 | 0.774 | 17 0.089005236 | 70 0.36649215 | 104 0.544502618 |
| ## 154 | 0.588 | 34 0.077981651 | 113 0.25917431 | 289 0.662844037 |
| ## 40 | 0.725 | 9 0.014308426 | 226 0.35930048 | 394 0.626391097 |
| ## 356 | 0.579 | 0 0.000000000 | 78 0.14079422 | 476 0.859205776 |
| ## 473 | 0.478 | 0 0.000000000 | 52 0.47272727 | 58 0.527272727 |
| ## 133 | 0.661 | 82 0.039159503 | 878 0.41929322 | 1134 0.541547278 |
| ## 152 | 0.832 | 274 0.186014936 | 932 0.63272233 | 267 0.181262729 |
| ## 4 | 0.637 | 16 0.033826638 | 71 0.15010571 | 386 0.816067653 |
| ## 56 | 0.579 | 0 0.000000000 | 60 0.18575851 | 263 0.814241486 |
| ## 384 | 0.546 | 49 0.058402861 | 273 0.32538737 | 517 0.616209774 |
| ## 145 | 0.530 | 35 0.051395007 | 230 0.33773862 | 416 0.610866373 |
| ## 234 | 0.566 | 21 0.032967033 | 223 0.35007849 | 393 0.616954474 |
| ## 361 | 0.629 | 74 0.141762452 | 128 0.24521073 | 320 0.613026820 |
| ## 348 | 0.659 | 0 0.000000000 | 107 0.25659472 | 310 0.743405276 |

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|--------|-------|-----------------|----------------|-----------------|
| ## 197 | 0.591 | 40 0.052083333 | 180 0.23437500 | 548 0.713541667 |
| ## 136 | 0.762 | 31 0.043417367 | 445 0.62324930 | 238 0.333333333 |
| ## 192 | 0.542 | 33 0.083756345 | 165 0.41878173 | 196 0.497461929 |
| ## 258 | 0.576 | 29 0.039944904 | 41 0.05647383 | 656 0.903581267 |
| ## 61 | 0.602 | 37 0.077568134 | 74 0.15513627 | 366 0.767295597 |
| ## 240 | 0.624 | 15 0.053191489 | 107 0.37943262 | 160 0.567375887 |
| ## 293 | 0.657 | 30 0.074441687 | 155 0.38461538 | 218 0.540942928 |
| ## 255 | 0.656 | 11 0.035143770 | 99 0.31629393 | 203 0.648562300 |
| ## 245 | 0.657 | 135 0.271629779 | 285 0.57344064 | 77 0.154929577 |
| ## 77 | 0.722 | 47 0.039199333 | 492 0.41034195 | 660 0.550458716 |
| ## 156 | 0.631 | 18 0.031413613 | 87 0.15183246 | 468 0.816753927 |
| ## 43 | 0.606 | 0 0.000000000 | 11 0.03313253 | 321 0.966867470 |
| ## 474 | 0.728 | 10 0.012300123 | 201 0.24723247 | 602 0.740467405 |
| ## 449 | 0.589 | 44 0.053333333 | 324 0.39272727 | 457 0.553939394 |
| ## 214 | 0.507 | 17 0.046448087 | 140 0.38251366 | 209 0.571038251 |
| ## 91 | 0.588 | 15 0.054744526 | 102 0.37226277 | 157 0.572992701 |
| ## 285 | 0.522 | 0 0.000000000 | 60 0.20477816 | 233 0.795221843 |
| ## 364 | 0.729 | 46 0.133333333 | 140 0.40579710 | 159 0.460869565 |
| ## 178 | 0.577 | 54 0.085714286 | 251 0.39841270 | 325 0.515873016 |
| ## 93 | 0.507 | 0 0.000000000 | 80 0.26666667 | 220 0.733333333 |
| ## 84 | 0.526 | 39 0.116766467 | 220 0.65868264 | 75 0.224550898 |
| ## 146 | 0.707 | 15 0.023510972 | 87 0.13636364 | 536 0.840125392 |
| ## 64 | 0.579 | 34 0.055105348 | 164 0.26580227 | 419 0.679092382 |
| ## 326 | 0.659 | 96 0.106785317 | 485 0.53948832 | 318 0.353726363 |
| ## 273 | 0.615 | 13 0.037572254 | 108 0.31213873 | 225 0.650289017 |
| ## 355 | 0.581 | 90 0.134730539 | 144 0.21556886 | 434 0.649700599 |
| ## 228 | 0.532 | 0 0.000000000 | 34 0.03505155 | 936 0.964948454 |
| ## 117 | 0.508 | 5 0.014367816 | 100 0.28735632 | 243 0.698275862 |
| ## 29 | 0.403 | 16 0.061776062 | 64 0.24710425 | 179 0.691119691 |
| ## 45 | 0.661 | 82 0.155303030 | 309 0.58522727 | 137 0.259469697 |
| ## 176 | 0.677 | 35 0.049157303 | 200 0.28089888 | 477 0.669943820 |
| ## 198 | 0.560 | 16 0.045325779 | 136 0.38526912 | 201 0.569405099 |
| ## 488 | 0.540 | 2 0.003802281 | 138 0.26235741 | 386 0.733840304 |
| ## 35 | 0.637 | 0 0.000000000 | 142 0.19137466 | 600 0.808625337 |
| ## 54 | 0.555 | 16 0.040506329 | 249 0.63037975 | 130 0.329113924 |
| ## 208 | 0.514 | 136 0.260038241 | 258 0.49330784 | 129 0.246653920 |
| ## 402 | 0.665 | 2 0.002607562 | 90 0.11734029 | 675 0.880052151 |
| ## 417 | 0.438 | 54 0.234782609 | 108 0.46956522 | 68 0.295652174 |
| ## 345 | 0.690 | 52 0.040185471 | 321 0.24806801 | 921 0.711746522 |
| ## 60 | 0.659 | 145 0.122259696 | 490 0.41315346 | 551 0.464586847 |
| ## 105 | 0.585 | 46 0.138972810 | 130 0.39274925 | 155 0.468277946 |
| ## 283 | 0.975 | 0 0.000000000 | 0 0.00000000 | 0 0.000000000 |
| ## 210 | 0.649 | 32 0.042160738 | 61 0.08036891 | 666 0.877470356 |
| ## 207 | 0.582 | 689 0.768115942 | 180 0.20066890 | 28 0.031215162 |
| ## 487 | 0.468 | 0 0.000000000 | 204 0.46258503 | 237 0.537414966 |
| ## 33 | 0.615 | 10 0.012285012 | 418 0.51351351 | 386 0.474201474 |
| ## 267 | 0.593 | 15 0.025423729 | 219 0.37118644 | 356 0.603389831 |
| ## 163 | 0.598 | 8 0.007525870 | 149 0.14016933 | 906 0.852304798 |
| ## 81 | 0.511 | 16 0.041237113 | 136 0.35051546 | 236 0.608247423 |
| ## 223 | 0.705 | 0 0.000000000 | 72 0.46451613 | 83 0.535483871 |
| ## 386 | 0.635 | 30 0.039215686 | 189 0.24705882 | 546 0.713725490 |
| ## 343 | 0.609 | 36 0.098092643 | 102 0.27792915 | 229 0.623978202 |
| ## 137 | 0.400 | 194 0.461904762 | 226 0.53809524 | 0 0.000000000 |
| ## 483 | 0.836 | 98 0.261333333 | 162 0.43200000 | 115 0.306666667 |

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|--------|-------|-----------------|----------------|-----------------|
| ## 71 | 0.621 | 0 0.000000000 | 192 0.26778243 | 525 0.732217573 |
| ## 358 | 0.680 | 62 0.098256735 | 272 0.43106181 | 297 0.470681458 |
| ## 323 | 0.583 | 0 0.000000000 | 111 0.22933884 | 373 0.770661157 |
| ## 385 | 0.534 | 23 0.052036199 | 99 0.22398190 | 320 0.723981900 |
| ## 261 | 0.602 | 22 0.024581006 | 269 0.30055866 | 604 0.674860335 |
| ## 17 | 0.589 | 0 0.000000000 | 81 0.20716113 | 310 0.792838875 |
| ## 275 | 0.616 | 0 0.000000000 | 55 0.20992366 | 207 0.790076336 |
| ## 338 | 0.500 | 53 0.136246787 | 140 0.35989717 | 196 0.503856041 |
| ## 315 | 0.534 | 45 0.038527397 | 387 0.33133562 | 736 0.630136986 |
| ## 189 | 0.787 | 0 0.000000000 | 191 0.62012987 | 117 0.379870130 |
| ## 243 | 0.674 | 0 0.000000000 | 104 0.11267606 | 819 0.887323944 |
| ## 179 | 0.774 | 204 0.267015707 | 433 0.56675393 | 127 0.166230366 |
| ## 107 | 0.627 | 0 0.000000000 | 203 0.48333333 | 217 0.516666667 |
| ## 305 | 0.729 | 108 0.155619597 | 315 0.45389049 | 271 0.390489914 |
| ## 248 | 0.483 | 0 0.000000000 | 256 0.45551601 | 306 0.544483986 |
| ## 419 | 0.841 | 9 0.025495751 | 161 0.45609065 | 183 0.518413598 |
| ## 395 | 0.740 | 627 0.744655582 | 215 0.25534442 | 0 0.000000000 |
| ## 496 | 0.632 | 47 0.113253012 | 126 0.30361446 | 242 0.583132530 |
| ## 86 | 0.382 | 44 0.118279570 | 217 0.58333333 | 111 0.298387097 |
| ## 438 | 0.579 | 20 0.029239766 | 110 0.16081871 | 554 0.809941520 |
| ## 282 | 0.546 | 54 0.058504875 | 288 0.31202600 | 581 0.629469122 |
| ## 23 | 0.681 | 9 0.012362637 | 190 0.26098901 | 529 0.726648352 |
| ## 321 | 0.558 | 0 0.000000000 | 230 0.38269551 | 371 0.617304493 |
| ## 406 | 0.513 | 14 0.030172414 | 138 0.29741379 | 312 0.672413793 |
| ## 51 | 0.646 | 31 0.054385965 | 116 0.20350877 | 423 0.742105263 |
| ## 55 | 0.576 | 0 0.000000000 | 116 0.39455782 | 178 0.605442177 |
| ## 106 | 0.562 | 0 0.000000000 | 263 0.22269263 | 918 0.777307367 |
| ## 427 | 0.348 | 54 0.305084746 | 49 0.27683616 | 74 0.418079096 |
| ## 290 | 0.584 | 0 0.000000000 | 170 0.19517796 | 701 0.804822044 |
| ## 324 | 0.602 | 133 0.256262042 | 224 0.43159923 | 162 0.312138728 |
| ## 15 | 0.485 | 160 0.490797546 | 127 0.38957055 | 39 0.119631902 |
| ## 303 | 0.638 | 52 0.214876033 | 142 0.58677686 | 48 0.198347107 |
| ## 169 | 0.628 | 6 0.011605416 | 193 0.37330754 | 318 0.615087041 |
| ## 116 | 0.530 | 71 0.103498542 | 363 0.52915452 | 252 0.367346939 |
| ## 102 | 0.573 | 0 0.000000000 | 52 0.23529412 | 169 0.764705882 |
| ## 262 | 0.589 | 0 0.000000000 | 234 0.22696411 | 797 0.773035887 |
| ## 448 | 0.698 | 22 0.041431262 | 76 0.14312618 | 433 0.815442561 |
| ## 380 | 0.615 | 0 0.000000000 | 24 0.07228916 | 308 0.927710843 |
| ## 418 | 0.668 | 0 0.000000000 | 9 0.02445652 | 359 0.975543478 |
| ## 489 | 0.432 | 156 0.199743918 | 362 0.46350832 | 263 0.336747759 |
| ## 235 | 0.583 | 108 0.260869565 | 224 0.54106280 | 82 0.198067633 |
| ## 457 | 0.545 | 12 0.038834951 | 116 0.37540453 | 181 0.585760518 |
| ## 244 | 0.759 | 0 0.000000000 | 40 0.12820513 | 272 0.871794872 |
| ## 25 | 0.594 | 0 0.000000000 | 133 0.46996466 | 150 0.530035336 |
| ## 281 | 0.834 | 89 0.626760563 | 53 0.37323944 | 0 0.000000000 |
| ## 119 | 0.555 | 25 0.064766839 | 76 0.19689119 | 285 0.738341969 |
| ## 400 | 0.526 | 11 0.025821596 | 187 0.43896714 | 228 0.535211268 |
| ## 481 | 0.537 | 17 0.029411765 | 0 0.000000000 | 561 0.970588235 |
| ## 180 | 0.341 | 352 0.956521739 | 16 0.04347826 | 0 0.000000000 |
| ## 482 | 0.684 | 0 0.000000000 | 318 0.44351464 | 399 0.556485356 |
| ## 319 | 0.597 | 116 0.205673759 | 275 0.48758865 | 173 0.306737589 |
| ## 38 | 0.665 | 22 0.018916595 | 211 0.18142734 | 930 0.799656062 |
| ## 388 | 0.566 | 77 0.162105263 | 123 0.25894737 | 275 0.578947368 |
| ## 309 | 0.638 | 8 0.015968064 | 101 0.20159681 | 392 0.782435130 |

| | | | | |
|--------|-------|-----------------|----------------|------------------|
| ## 78 | 0.667 | 11 0.015449438 | 146 0.20505618 | 555 0.779494382 |
| ## 7 | 0.553 | 10 0.021231423 | 64 0.13588110 | 397 0.842887473 |
| ## 12 | 0.482 | 72 0.069297401 | 399 0.38402310 | 568 0.546679500 |
| ## 211 | 0.552 | 0 0.000000000 | 98 0.33220339 | 197 0.667796610 |
| ## 167 | 0.503 | 14 0.024822695 | 215 0.38120567 | 335 0.593971631 |
| ## 377 | 0.629 | 75 0.107604017 | 339 0.48637016 | 283 0.406025825 |
| ## 332 | 0.496 | 206 0.316923077 | 29 0.04461539 | 415 0.638461538 |
| ## 144 | 0.638 | 105 0.114254625 | 321 0.34929271 | 493 0.536452666 |
| ## 260 | 0.444 | 26 0.104838710 | 50 0.20161290 | 172 0.693548387 |
| ## 453 | 0.877 | 260 0.455341506 | 247 0.43257443 | 64 0.112084063 |
| ## 491 | 0.735 | 43 0.099537037 | 211 0.48842593 | 178 0.412037037 |
| ## 52 | 0.592 | 34 0.038636364 | 268 0.30454546 | 578 0.656818182 |
| ## 206 | 0.705 | 0 0.000000000 | 22 0.12429379 | 155 0.875706215 |
| ## 160 | 0.531 | 106 0.137483787 | 331 0.42931258 | 334 0.433203632 |
| ## 277 | 0.515 | 32 0.039800995 | 325 0.40422886 | 447 0.555970149 |
| ## 88 | 0.602 | 273 0.355932203 | 246 0.32073012 | 248 0.323337679 |
| ## 1 | 0.549 | 10 0.031948882 | 88 0.28115016 | 215 0.686900958 |
| ## 426 | 0.682 | 6 0.012987013 | 188 0.40692641 | 268 0.580086580 |
| ## 353 | 0.540 | 75 0.122549020 | 295 0.48202614 | 242 0.395424837 |
| ## 157 | 0.538 | 2 0.003795066 | 185 0.35104364 | 340 0.645161290 |
| ## 368 | 0.595 | 0 0.000000000 | 281 0.55424063 | 226 0.445759369 |
| ## 365 | 0.633 | 715 0.606960951 | 434 0.36842105 | 29 0.024617997 |
| ## 57 | 0.626 | 56 0.202898551 | 115 0.41666667 | 105 0.380434783 |
| ## 493 | 0.632 | 18 0.065454545 | 68 0.24727273 | 189 0.687272727 |
| ## 259 | 0.534 | 23 0.043560606 | 178 0.33712121 | 327 0.619318182 |
| ## 265 | 0.520 | 180 0.212514758 | 250 0.29515939 | 417 0.492325856 |
| ## 307 | 0.445 | 132 0.209523810 | 83 0.13174603 | 415 0.658730159 |
| ## 170 | 0.561 | 87 0.083895853 | 400 0.38572806 | 550 0.530376085 |
| ## 121 | 0.465 | 10 0.015128593 | 156 0.23600605 | 495 0.748865356 |
| ## 276 | 0.492 | 9 0.018480493 | 110 0.22587269 | 368 0.755646817 |
| ## 394 | 0.642 | 20 0.046511628 | 84 0.19534884 | 326 0.758139535 |
| ## 32 | 0.645 | 39 0.119266055 | 209 0.63914373 | 79 0.241590214 |
| ## 2 | 0.749 | 67 0.190340909 | 227 0.64488636 | 58 0.164772727 |
| ## 219 | 0.592 | 15 0.023771791 | 199 0.31537243 | 417 0.660855784 |
| ## 327 | 0.597 | 14 0.027450980 | 163 0.31960784 | 333 0.652941176 |
| ## 257 | 0.607 | 88 0.117021277 | 343 0.45611702 | 321 0.426861702 |
| ## 227 | 0.580 | 0 0.000000000 | 118 0.24947146 | 355 0.750528541 |
| ## 195 | 0.522 | 7 0.006822612 | 95 0.09259259 | 924 0.900584795 |
| ## 59 | 0.540 | 0 0.000000000 | 18 0.10909091 | 147 0.890909091 |
| ## 497 | 0.508 | 14 0.038251366 | 94 0.25683060 | 258 0.704918033 |
| ## 311 | 0.613 | 13 0.009393064 | 597 0.43135838 | 774 0.559248555 |
| ## 363 | 0.578 | 13 0.016602810 | 265 0.33844189 | 505 0.644955300 |
| ## 46 | 0.541 | 35 0.023744912 | 210 0.14246947 | 1229 0.833785617 |
| ## 490 | 0.782 | 14 0.043076923 | 208 0.64000000 | 103 0.316923077 |
| ## 286 | 0.824 | 12 0.108108108 | 72 0.64864865 | 27 0.243243243 |
| ## 256 | 0.521 | 0 0.000000000 | 167 0.24063401 | 527 0.759365994 |
| ## 41 | 0.652 | 0 0.000000000 | 122 0.14769976 | 704 0.852300242 |
| ## 462 | 0.621 | 27 0.040419162 | 320 0.47904192 | 321 0.480538922 |
| ## 110 | 0.825 | 107 0.443983402 | 100 0.41493776 | 34 0.141078838 |
| ## 249 | 0.727 | 0 0.000000000 | 94 0.34306569 | 180 0.656934307 |
| ## 185 | 0.511 | 7 0.007142857 | 286 0.29183674 | 687 0.701020408 |
| ## 150 | 0.746 | 45 0.077054795 | 251 0.42979452 | 288 0.493150685 |
| ## 331 | 0.611 | 44 0.069510269 | 111 0.17535545 | 478 0.755134281 |
| ## 271 | 0.615 | 17 0.055555556 | 109 0.35620915 | 180 0.588235294 |

| | | | | | | | |
|--------|-------|-----|-------------|------|------------|------|-------------|
| ## 268 | 0.577 | 15 | 0.041095890 | 197 | 0.53972603 | 153 | 0.419178082 |
| ## 463 | 0.556 | 10 | 0.037593985 | 115 | 0.43233083 | 141 | 0.530075188 |
| ## 495 | 0.590 | 59 | 0.053105311 | 285 | 0.25652565 | 767 | 0.690369037 |
| ## 362 | 0.641 | 61 | 0.158031088 | 244 | 0.63212435 | 81 | 0.209844560 |
| ## 460 | 0.733 | 81 | 0.042902542 | 1099 | 0.58209746 | 708 | 0.375000000 |
| ## 330 | 0.619 | 0 | 0.000000000 | 117 | 0.34615385 | 221 | 0.653846154 |
| ## 231 | 0.575 | 85 | 0.361702128 | 45 | 0.19148936 | 105 | 0.446808511 |
| ## 19 | 0.495 | 233 | 0.386401327 | 291 | 0.48258706 | 79 | 0.131011609 |
| ## 142 | 0.618 | 367 | 0.711240310 | 105 | 0.20348837 | 44 | 0.085271318 |
| ## 472 | 0.596 | 45 | 0.077854671 | 170 | 0.29411765 | 363 | 0.628027682 |
| ## 279 | 0.440 | 327 | 0.626436782 | 167 | 0.31992337 | 28 | 0.053639847 |
| ## 295 | 0.617 | 33 | 0.043535620 | 150 | 0.19788918 | 575 | 0.758575198 |
| ## 148 | 0.506 | 14 | 0.027397260 | 96 | 0.18786693 | 401 | 0.784735812 |
| ## 99 | 0.565 | 59 | 0.125799574 | 56 | 0.11940299 | 354 | 0.754797441 |
| ## 373 | 0.506 | 143 | 0.214714715 | 253 | 0.37987988 | 270 | 0.405405405 |
| ## 312 | 0.643 | 5 | 0.018867925 | 69 | 0.26037736 | 191 | 0.720754717 |
| ## 393 | 0.571 | 8 | 0.020000000 | 107 | 0.26750000 | 285 | 0.712500000 |
| ## 173 | 0.485 | 0 | 0.000000000 | 55 | 0.22540984 | 189 | 0.774590164 |
| ## 162 | 0.599 | 0 | 0.000000000 | 171 | 0.54983923 | 140 | 0.450160772 |
| ## 374 | 0.671 | 0 | 0.000000000 | 85 | 0.19058296 | 361 | 0.809417040 |
| ## 76 | 0.600 | 20 | 0.045871560 | 133 | 0.30504587 | 283 | 0.649082569 |
| ## 500 | 0.563 | 241 | 0.277970012 | 399 | 0.46020761 | 227 | 0.261822376 |
| ## 216 | 0.592 | 16 | 0.023154848 | 216 | 0.31259045 | 459 | 0.664254703 |
| ## 411 | 0.832 | 16 | 0.017278618 | 391 | 0.42224622 | 519 | 0.560475162 |
| ## 230 | 0.678 | 30 | 0.126050420 | 98 | 0.41176471 | 110 | 0.462184874 |
| ## 16 | 0.551 | 17 | 0.040094340 | 88 | 0.20754717 | 319 | 0.752358491 |
| ## 222 | 0.534 | 0 | 0.000000000 | 198 | 0.42580645 | 267 | 0.574193548 |
| ## 8 | 0.686 | 167 | 0.262578616 | 401 | 0.63050315 | 68 | 0.106918239 |
| ## 340 | 0.607 | 36 | 0.059800664 | 197 | 0.32724253 | 369 | 0.612956811 |
| ## 22 | 0.673 | 30 | 0.053763441 | 163 | 0.29211469 | 365 | 0.654121864 |
| ## 128 | 0.629 | 7 | 0.010954617 | 57 | 0.08920188 | 575 | 0.899843505 |
| ## 469 | 0.511 | 17 | 0.025914634 | 278 | 0.42378049 | 361 | 0.550304878 |
| ## 109 | 0.818 | 44 | 0.059060403 | 158 | 0.21208054 | 543 | 0.728859060 |
| ## 50 | 0.701 | 14 | 0.041055718 | 34 | 0.09970674 | 293 | 0.859237537 |
| ## 69 | 0.620 | 0 | 0.000000000 | 405 | 0.77437859 | 118 | 0.225621415 |
| ## 403 | 0.724 | 0 | 0.000000000 | 78 | 0.26530612 | 216 | 0.734693878 |
| ## 442 | 0.605 | 63 | 0.125498008 | 179 | 0.35657371 | 260 | 0.517928287 |
| ## 143 | 0.615 | 15 | 0.012366035 | 359 | 0.29596043 | 839 | 0.691673537 |
| ## 168 | 0.598 | 63 | 0.104477612 | 323 | 0.53565506 | 217 | 0.359867330 |
| ## 360 | 0.868 | 14 | 0.012844037 | 741 | 0.67981651 | 335 | 0.307339450 |
| ## 20 | 0.772 | 345 | 0.804195804 | 56 | 0.13053613 | 28 | 0.065268065 |
| ## 440 | 0.653 | 10 | 0.015455951 | 173 | 0.26738794 | 464 | 0.717156105 |
| ## 451 | 0.561 | 0 | 0.000000000 | 189 | 0.22853688 | 638 | 0.771463120 |
| ## 196 | 0.557 | 22 | 0.052380952 | 107 | 0.25476191 | 291 | 0.692857143 |
| ## 27 | 0.637 | 16 | 0.054982818 | 68 | 0.23367698 | 207 | 0.711340206 |
| ## 134 | 0.634 | 0 | 0.000000000 | 83 | 0.17735043 | 385 | 0.822649573 |
| ## 494 | 0.638 | 31 | 0.041948579 | 157 | 0.21244926 | 551 | 0.745602165 |
| ## 205 | 0.546 | 78 | 0.056236482 | 301 | 0.21701514 | 1008 | 0.726748378 |
| ## 294 | 0.559 | 187 | 0.516574586 | 88 | 0.24309392 | 87 | 0.240331492 |
| ## 123 | 0.530 | 96 | 0.333333333 | 134 | 0.46527778 | 58 | 0.201388889 |
| ## 253 | 0.631 | 85 | 0.129770992 | 224 | 0.34198473 | 346 | 0.528244275 |
| ## 466 | 0.697 | 0 | 0.000000000 | 219 | 0.59510870 | 149 | 0.404891304 |
| ## 139 | 0.560 | 10 | 0.015923567 | 295 | 0.46974522 | 323 | 0.514331210 |
| ## 95 | 0.526 | 18 | 0.041002278 | 102 | 0.23234624 | 319 | 0.726651481 |

| | | | | | | | |
|--------|-------|-----|-------------|------|-------------|-----|-------------|
| ## 369 | 0.724 | 13 | 0.026476578 | 181 | 0.36863544 | 297 | 0.604887984 |
| ## 127 | 0.666 | 10 | 0.013315579 | 101 | 0.13448735 | 640 | 0.852197071 |
| ## 484 | 0.594 | 5 | 0.008833922 | 71 | 0.12544170 | 490 | 0.865724382 |
| ## 450 | 0.572 | 66 | 0.110367893 | 148 | 0.24749164 | 384 | 0.642140468 |
| ## 72 | 0.808 | 61 | 0.219424460 | 153 | 0.55035971 | 64 | 0.230215827 |
| ## 204 | 0.596 | 0 | 0.000000000 | 149 | 0.31974249 | 317 | 0.680257511 |
| ## 301 | 0.557 | 0 | 0.000000000 | 210 | 0.41338583 | 298 | 0.586614173 |
| ## 465 | 0.690 | 0 | 0.000000000 | 222 | 0.36453202 | 387 | 0.635467980 |
| ## 339 | 0.566 | 18 | 0.027734977 | 188 | 0.28967643 | 443 | 0.682588598 |
| ## 328 | 0.507 | 404 | 0.603886398 | 241 | 0.36023916 | 24 | 0.035874439 |
| ## 299 | 0.768 | 44 | 0.071661238 | 284 | 0.46254072 | 286 | 0.465798046 |
| ## 349 | 0.628 | 11 | 0.027227723 | 66 | 0.16336634 | 327 | 0.809405941 |
| ## 399 | 0.602 | 42 | 0.116343490 | 126 | 0.34903047 | 193 | 0.534626039 |
| ## 92 | 0.637 | 53 | 0.105158730 | 140 | 0.277777778 | 311 | 0.617063492 |
| ## 467 | 0.605 | 26 | 0.110169492 | 153 | 0.64830508 | 57 | 0.241525424 |
| ## 352 | 0.602 | 22 | 0.062678063 | 144 | 0.41025641 | 185 | 0.527065527 |
| ## 232 | 0.407 | 53 | 0.144808743 | 265 | 0.72404372 | 48 | 0.131147541 |
| ## 13 | 0.691 | 0 | 0.000000000 | 190 | 0.19812304 | 769 | 0.801876955 |
| ## 104 | 0.597 | 9 | 0.010791367 | 264 | 0.31654676 | 561 | 0.672661871 |
| ## 80 | 0.528 | 10 | 0.020703934 | 94 | 0.19461698 | 379 | 0.784679089 |
| ## 131 | 0.718 | 150 | 0.080862534 | 1063 | 0.57304582 | 642 | 0.346091644 |
| ## 376 | 0.563 | 0 | 0.000000000 | 129 | 0.26380368 | 360 | 0.736196319 |
| ## 166 | 0.536 | 41 | 0.100244499 | 103 | 0.25183374 | 265 | 0.647921760 |
| ## 478 | 0.583 | 21 | 0.045652174 | 110 | 0.23913044 | 329 | 0.715217391 |
| ## 264 | 0.576 | 0 | 0.000000000 | 164 | 0.57342657 | 122 | 0.426573427 |
| ## 254 | 0.574 | 16 | 0.009484292 | 815 | 0.48310611 | 856 | 0.507409603 |
| ## 129 | 0.503 | 10 | 0.064102564 | 62 | 0.39743590 | 84 | 0.538461538 |
| ## 292 | 0.589 | 11 | 0.024498886 | 35 | 0.07795100 | 403 | 0.897550111 |
| ## 430 | 0.549 | 0 | 0.000000000 | 79 | 0.35426009 | 144 | 0.645739910 |
| ## 130 | 0.621 | 9 | 0.011292346 | 135 | 0.16938519 | 653 | 0.819322459 |
| ## 183 | 0.790 | 450 | 0.319602273 | 585 | 0.41548295 | 373 | 0.264914773 |
| ## 325 | 0.618 | 0 | 0.000000000 | 163 | 0.41475827 | 230 | 0.585241730 |
| ## 280 | 0.587 | 29 | 0.045312500 | 187 | 0.29218750 | 424 | 0.662500000 |
| ## 420 | 0.680 | 8 | 0.017278618 | 151 | 0.32613391 | 304 | 0.656587473 |
| ## 18 | 0.774 | 56 | 0.088888889 | 253 | 0.40158730 | 321 | 0.509523810 |
| ## 74 | 0.702 | 28 | 0.049469965 | 299 | 0.52826855 | 239 | 0.422261484 |
| ## 153 | 0.635 | 36 | 0.065934066 | 213 | 0.39010989 | 297 | 0.543956044 |
| ## 447 | 0.635 | 81 | 0.150837989 | 341 | 0.63500931 | 115 | 0.214152700 |
| ## 172 | 0.867 | 0 | 0.000000000 | 136 | 0.65384615 | 72 | 0.346153846 |
| ## 79 | 0.584 | 0 | 0.000000000 | 94 | 0.48205128 | 101 | 0.517948718 |
| ## 344 | 0.542 | 384 | 0.294478528 | 558 | 0.42791411 | 362 | 0.277607362 |
| ## 354 | 0.702 | 26 | 0.120370370 | 99 | 0.458333333 | 91 | 0.421296296 |
| ## 225 | 0.665 | 51 | 0.070637119 | 203 | 0.28116344 | 468 | 0.648199446 |
| ## 239 | 0.640 | 354 | 0.778021978 | 98 | 0.21538462 | 3 | 0.006593407 |
| ## 220 | 0.750 | 20 | 0.080971660 | 50 | 0.20242915 | 177 | 0.716599190 |
| ## 94 | 0.592 | 15 | 0.033860045 | 123 | 0.27765237 | 305 | 0.688487585 |
| ## 288 | 0.754 | 114 | 0.131034483 | 445 | 0.51149425 | 311 | 0.357471264 |
| ## 62 | 0.654 | 53 | 0.331250000 | 64 | 0.400000000 | 43 | 0.268750000 |
| ## 251 | 0.868 | 30 | 0.052173913 | 264 | 0.45913044 | 281 | 0.488695652 |
| ## 389 | 0.111 | 52 | 0.095940959 | 400 | 0.73800738 | 90 | 0.166051661 |
| ## 382 | 0.654 | 29 | 0.055449331 | 92 | 0.17590822 | 402 | 0.768642447 |
| ## 246 | 0.579 | 15 | 0.019815059 | 79 | 0.10435931 | 663 | 0.875825627 |
| ## 425 | 0.609 | 27 | 0.032926829 | 222 | 0.27073171 | 571 | 0.696341463 |
| ## 174 | 0.424 | 133 | 0.604545455 | 59 | 0.26818182 | 28 | 0.127272727 |

| | | | | | | | | |
|----|---------|-------------|-------------|-------------|--------------|------------|--------|-------------|
| ## | 296 | 0.499 | 30 | 0.094043887 | 156 | 0.48902821 | 133 | 0.416927900 |
| ## | 461 | 0.900 | 4 | 0.007207207 | 235 | 0.42342342 | 316 | 0.569369369 |
| ## | 367 | 0.497 | 24 | 0.134078212 | 67 | 0.37430168 | 88 | 0.491620112 |
| ## | 48 | 0.587 | 0 | 0.000000000 | 186 | 0.59047619 | 129 | 0.409523810 |
| ## | 408 | 0.541 | 20 | 0.025542784 | 390 | 0.49808429 | 373 | 0.476372925 |
| ## | 218 | 0.461 | 0 | 0.000000000 | 125 | 0.29550827 | 298 | 0.704491726 |
| ## | Workers | R_LowWageWk | R_MedWageWk | R_HiWageWk | R_PCTLOWWAGE | TotEmp | E5_Ret | |
| ## | 429 | 355 | 79 | 76 | 200 | 0.22253521 | 356 | 0 |
| ## | 297 | 386 | 76 | 109 | 201 | 0.19689119 | 168 | 1 |
| ## | 221 | 774 | 175 | 281 | 318 | 0.22609819 | 1319 | 39 |
| ## | 83 | 699 | 129 | 189 | 381 | 0.18454936 | 162 | 70 |
| ## | 431 | 812 | 163 | 210 | 439 | 0.20073892 | 29 | 0 |
| ## | 284 | 292 | 60 | 88 | 144 | 0.20547945 | 172 | 15 |
| ## | 159 | 631 | 160 | 257 | 214 | 0.25356577 | 250 | 175 |
| ## | 263 | 534 | 109 | 125 | 300 | 0.20411985 | 168 | 16 |
| ## | 435 | 598 | 151 | 281 | 166 | 0.25250836 | 2233 | 419 |
| ## | 302 | 801 | 173 | 263 | 365 | 0.21598002 | 141 | 9 |
| ## | 485 | 1130 | 256 | 297 | 577 | 0.22654867 | 166 | 52 |
| ## | 250 | 326 | 53 | 140 | 133 | 0.16257669 | 44 | 11 |
| ## | 410 | 391 | 126 | 171 | 94 | 0.32225064 | 30 | 0 |
| ## | 445 | 508 | 106 | 205 | 197 | 0.20866142 | 69 | 2 |
| ## | 63 | 689 | 199 | 228 | 262 | 0.28882438 | 235 | 21 |
| ## | 247 | 819 | 179 | 310 | 330 | 0.21855922 | 303 | 55 |
| ## | 415 | 491 | 108 | 129 | 254 | 0.21995927 | 85 | 18 |
| ## | 194 | 383 | 103 | 97 | 183 | 0.26892950 | 2358 | 1373 |
| ## | 390 | 1408 | 283 | 259 | 866 | 0.20099432 | 659 | 89 |
| ## | 191 | 611 | 171 | 238 | 202 | 0.27986907 | 1154 | 116 |
| ## | 477 | 492 | 120 | 178 | 194 | 0.24390244 | 262 | 51 |
| ## | 468 | 345 | 92 | 148 | 105 | 0.26666667 | 301 | 106 |
| ## | 70 | 520 | 150 | 236 | 134 | 0.28846154 | 15 | 0 |
| ## | 229 | 648 | 121 | 248 | 279 | 0.18672839 | 49 | 7 |
| ## | 97 | 1099 | 222 | 384 | 493 | 0.20200182 | 2884 | 52 |
| ## | 112 | 702 | 173 | 257 | 272 | 0.24643875 | 80 | 0 |
| ## | 458 | 345 | 77 | 149 | 119 | 0.22318841 | 30 | 4 |
| ## | 126 | 360 | 98 | 101 | 161 | 0.27222222 | 93 | 9 |
| ## | 434 | 982 | 186 | 336 | 460 | 0.18940937 | 186 | 36 |
| ## | 372 | 499 | 145 | 223 | 131 | 0.29058116 | 130 | 2 |
| ## | 171 | 136 | 34 | 59 | 43 | 0.25000000 | 0 | 0 |
| ## | 455 | 374 | 106 | 154 | 114 | 0.28342246 | 1622 | 546 |
| ## | 432 | 437 | 93 | 119 | 225 | 0.21281464 | 491 | 166 |
| ## | 437 | 482 | 152 | 177 | 153 | 0.31535270 | 34 | 0 |
| ## | 215 | 520 | 144 | 207 | 169 | 0.27692308 | 353 | 177 |
| ## | 441 | 371 | 73 | 136 | 162 | 0.19676550 | 124 | 7 |
| ## | 213 | 899 | 227 | 320 | 352 | 0.25250278 | 125 | 26 |
| ## | 118 | 980 | 201 | 208 | 571 | 0.20510204 | 589 | 31 |
| ## | 456 | 252 | 48 | 111 | 93 | 0.19047619 | 18 | 14 |
| ## | 58 | 715 | 164 | 280 | 271 | 0.22937063 | 3089 | 69 |
| ## | 379 | 724 | 156 | 252 | 316 | 0.21546961 | 264 | 2 |
| ## | 407 | 429 | 96 | 154 | 179 | 0.22377622 | 292 | 43 |
| ## | 422 | 1 | 0 | 0 | 1 | 0.00000000 | 30 | 0 |
| ## | 351 | 950 | 266 | 513 | 171 | 0.28000000 | 21 | 1 |
| ## | 452 | 1346 | 311 | 500 | 535 | 0.23105498 | 296 | 128 |
| ## | 366 | 353 | 73 | 110 | 170 | 0.20679887 | 142 | 14 |
| ## | 397 | 1403 | 221 | 270 | 912 | 0.15751960 | 914 | 1 |

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|--------|------|-----|-----|-----|------------|------|-----|
| ## 201 | 457 | 135 | 142 | 180 | 0.29540481 | 351 | 0 |
| ## 10 | 441 | 118 | 200 | 123 | 0.26757370 | 99 | 13 |
| ## 480 | 407 | 124 | 158 | 125 | 0.30466830 | 56 | 1 |
| ## 446 | 657 | 194 | 279 | 184 | 0.29528158 | 96 | 7 |
| ## 82 | 250 | 30 | 45 | 175 | 0.12000000 | 38 | 0 |
| ## 151 | 865 | 233 | 353 | 279 | 0.26936416 | 92 | 18 |
| ## 236 | 675 | 165 | 272 | 238 | 0.24444444 | 230 | 1 |
| ## 237 | 596 | 115 | 151 | 330 | 0.19295302 | 850 | 8 |
| ## 479 | 333 | 83 | 131 | 119 | 0.24924925 | 338 | 33 |
| ## 383 | 804 | 137 | 211 | 456 | 0.17039801 | 102 | 0 |
| ## 75 | 695 | 110 | 173 | 412 | 0.15827338 | 792 | 27 |
| ## 350 | 422 | 80 | 104 | 238 | 0.18957346 | 359 | 16 |
| ## 310 | 546 | 81 | 138 | 327 | 0.14835165 | 548 | 270 |
| ## 475 | 384 | 99 | 159 | 126 | 0.25781250 | 474 | 14 |
| ## 101 | 1490 | 341 | 432 | 717 | 0.22885906 | 1630 | 105 |
| ## 65 | 447 | 119 | 167 | 161 | 0.26621924 | 1457 | 256 |
| ## 291 | 506 | 74 | 64 | 368 | 0.14624506 | 953 | 350 |
| ## 199 | 928 | 211 | 300 | 417 | 0.22737069 | 70 | 0 |
| ## 436 | 240 | 59 | 60 | 121 | 0.24583333 | 1211 | 142 |
| ## 387 | 634 | 113 | 141 | 380 | 0.17823344 | 537 | 19 |
| ## 100 | 1067 | 227 | 292 | 548 | 0.21274602 | 420 | 50 |
| ## 334 | 294 | 67 | 99 | 128 | 0.22789116 | 56 | 0 |
| ## 439 | 1089 | 248 | 348 | 493 | 0.22773186 | 139 | 77 |
| ## 87 | 325 | 101 | 149 | 75 | 0.31076923 | 449 | 167 |
| ## 333 | 805 | 209 | 324 | 272 | 0.25962733 | 328 | 65 |
| ## 184 | 754 | 219 | 322 | 213 | 0.29045093 | 797 | 138 |
| ## 186 | 896 | 180 | 144 | 572 | 0.20089286 | 522 | 91 |
| ## 49 | 275 | 90 | 101 | 84 | 0.32727273 | 36 | 3 |
| ## 357 | 299 | 68 | 104 | 127 | 0.22742475 | 7 | 0 |
| ## 224 | 396 | 72 | 95 | 229 | 0.18181818 | 1 | 0 |
| ## 486 | 830 | 172 | 290 | 368 | 0.20722892 | 708 | 113 |
| ## 164 | 1142 | 248 | 294 | 600 | 0.21716287 | 3658 | 23 |
| ## 226 | 386 | 119 | 193 | 74 | 0.30829016 | 93 | 14 |
| ## 404 | 434 | 109 | 137 | 188 | 0.25115207 | 91 | 45 |
| ## 272 | 602 | 128 | 192 | 282 | 0.21262459 | 119 | 0 |
| ## 238 | 851 | 215 | 359 | 277 | 0.25264395 | 221 | 21 |
| ## 140 | 546 | 126 | 211 | 209 | 0.23076923 | 2116 | 491 |
| ## 31 | 1071 | 264 | 415 | 392 | 0.24649860 | 1922 | 454 |
| ## 313 | 372 | 104 | 119 | 149 | 0.27956989 | 66 | 0 |
| ## 359 | 708 | 168 | 272 | 268 | 0.23728814 | 396 | 60 |
| ## 181 | 757 | 162 | 284 | 311 | 0.21400264 | 117 | 6 |
| ## 90 | 1017 | 149 | 220 | 648 | 0.14650934 | 464 | 18 |
| ## 444 | 670 | 186 | 265 | 219 | 0.27761194 | 338 | 12 |
| ## 85 | 918 | 182 | 263 | 473 | 0.19825708 | 3317 | 487 |
| ## 187 | 1425 | 267 | 358 | 800 | 0.18736842 | 159 | 2 |
| ## 30 | 435 | 133 | 207 | 95 | 0.30574713 | 1308 | 20 |
| ## 304 | 650 | 123 | 220 | 307 | 0.18923077 | 264 | 9 |
| ## 202 | 479 | 113 | 161 | 205 | 0.23590814 | 15 | 1 |
| ## 37 | 883 | 183 | 278 | 422 | 0.20724802 | 42 | 18 |
| ## 287 | 720 | 156 | 206 | 358 | 0.21666667 | 468 | 100 |
| ## 471 | 352 | 76 | 119 | 157 | 0.21590909 | 166 | 148 |
| ## 314 | 1161 | 221 | 321 | 619 | 0.19035314 | 603 | 132 |
| ## 36 | 647 | 186 | 269 | 192 | 0.28748068 | 52 | 12 |
| ## 5 | 336 | 80 | 147 | 109 | 0.23809524 | 49 | 6 |

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|--------|------|-----|-----|------|------------|------|------|
| ## 108 | 930 | 215 | 329 | 386 | 0.23118280 | 225 | 0 |
| ## 47 | 553 | 175 | 240 | 138 | 0.31645570 | 66 | 0 |
| ## 89 | 116 | 44 | 42 | 30 | 0.37931034 | 17 | 17 |
| ## 454 | 304 | 85 | 136 | 83 | 0.27960526 | 46 | 5 |
| ## 336 | 371 | 51 | 64 | 256 | 0.13746631 | 81 | 1 |
| ## 252 | 324 | 66 | 117 | 141 | 0.20370370 | 72 | 3 |
| ## 464 | 665 | 118 | 203 | 344 | 0.17744361 | 265 | 43 |
| ## 212 | 484 | 123 | 188 | 173 | 0.25413223 | 532 | 25 |
| ## 233 | 453 | 108 | 88 | 257 | 0.23841060 | 1610 | 227 |
| ## 428 | 236 | 57 | 136 | 43 | 0.24152542 | 167 | 167 |
| ## 154 | 443 | 112 | 154 | 177 | 0.25282167 | 41 | 4 |
| ## 40 | 797 | 169 | 236 | 392 | 0.21204517 | 3249 | 14 |
| ## 356 | 597 | 144 | 247 | 206 | 0.24120603 | 135 | 5 |
| ## 473 | 150 | 53 | 71 | 26 | 0.35333333 | 182 | 18 |
| ## 133 | 2437 | 287 | 407 | 1743 | 0.11776775 | 4189 | 1480 |
| ## 152 | 1442 | 518 | 396 | 528 | 0.35922330 | 255 | 13 |
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| ## 56 | 694 | 142 | 149 | 403 | 0.20461095 | 77 | 0 |
| ## 384 | 1117 | 263 | 322 | 532 | 0.23545210 | 344 | 84 |
| ## 145 | 500 | 124 | 259 | 117 | 0.24800000 | 11 | 0 |
| ## 234 | 731 | 219 | 326 | 186 | 0.29958960 | 591 | 129 |
| ## 361 | 681 | 151 | 198 | 332 | 0.22173275 | 32 | 2 |
| ## 348 | 491 | 118 | 139 | 234 | 0.24032587 | 12 | 3 |
| ## 197 | 719 | 165 | 252 | 302 | 0.22948540 | 289 | 16 |
| ## 136 | 950 | 154 | 161 | 635 | 0.16210526 | 50 | 6 |
| ## 192 | 307 | 76 | 108 | 123 | 0.24755700 | 282 | 0 |
| ## 258 | 79 | 19 | 24 | 36 | 0.24050633 | 607 | 87 |
| ## 61 | 612 | 101 | 103 | 408 | 0.16503268 | 26 | 0 |
| ## 240 | 295 | 74 | 103 | 118 | 0.25084746 | 321 | 58 |
| ## 293 | 457 | 84 | 145 | 228 | 0.18380744 | 28 | 11 |
| ## 255 | 277 | 80 | 125 | 72 | 0.28880866 | 11 | 0 |
| ## 245 | 510 | 147 | 241 | 122 | 0.28823529 | 81 | 1 |
| ## 77 | 1453 | 349 | 561 | 543 | 0.24019271 | 477 | 288 |
| ## 156 | 10 | 3 | 3 | 4 | 0.30000000 | 21 | 0 |
| ## 43 | 634 | 112 | 159 | 363 | 0.17665615 | 95 | 0 |
| ## 474 | 1349 | 279 | 347 | 723 | 0.20681987 | 163 | 8 |
| ## 449 | 0 | 0 | 0 | 0 | 0.00000000 | 0 | 0 |
| ## 214 | 428 | 102 | 157 | 169 | 0.23831776 | 9 | 0 |
| ## 91 | 468 | 85 | 144 | 239 | 0.18162393 | 8 | 0 |
| ## 285 | 350 | 68 | 101 | 181 | 0.19428571 | 28 | 16 |
| ## 364 | 475 | 100 | 137 | 238 | 0.21052632 | 47 | 12 |
| ## 178 | 540 | 153 | 222 | 165 | 0.28333333 | 93 | 8 |
| ## 93 | 355 | 52 | 108 | 195 | 0.14647887 | 115 | 4 |
| ## 84 | 335 | 82 | 130 | 123 | 0.24477612 | 33 | 0 |
| ## 146 | 893 | 208 | 250 | 435 | 0.23292273 | 104 | 0 |
| ## 64 | 2118 | 317 | 447 | 1354 | 0.14966950 | 44 | 0 |
| ## 326 | 793 | 127 | 210 | 456 | 0.16015132 | 673 | 9 |
| ## 273 | 425 | 107 | 168 | 150 | 0.25176471 | 12 | 0 |
| ## 355 | 832 | 143 | 173 | 516 | 0.17187500 | 274 | 0 |
| ## 228 | 1081 | 217 | 269 | 595 | 0.20074006 | 443 | 55 |
| ## 117 | 469 | 96 | 122 | 251 | 0.20469083 | 74 | 0 |
| ## 29 | 228 | 69 | 89 | 70 | 0.30263158 | 609 | 13 |
| ## 45 | 605 | 107 | 160 | 338 | 0.17685950 | 176 | 6 |
| ## 176 | 649 | 160 | 179 | 310 | 0.24653313 | 97 | 0 |

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|--------|------|-----|-----|-----|------------|------|-----|
| ## 198 | 369 | 98 | 186 | 85 | 0.26558266 | 60 | 0 |
| ## 488 | 631 | 123 | 226 | 282 | 0.19492868 | 188 | 3 |
| ## 35 | 1007 | 197 | 193 | 617 | 0.19563059 | 75 | 0 |
| ## 54 | 417 | 126 | 145 | 146 | 0.30215827 | 170 | 0 |
| ## 208 | 0 | 0 | 0 | 0 | 0.00000000 | 0 | 0 |
| ## 402 | 580 | 166 | 233 | 181 | 0.28620690 | 191 | 0 |
| ## 417 | 342 | 118 | 179 | 45 | 0.34502924 | 3 | 0 |
| ## 345 | 1843 | 445 | 643 | 755 | 0.24145415 | 990 | 130 |
| ## 60 | 1354 | 348 | 548 | 458 | 0.25701625 | 1093 | 110 |
| ## 105 | 251 | 90 | 101 | 60 | 0.35856574 | 97 | 5 |
| ## 283 | 169 | 53 | 60 | 56 | 0.31360947 | 653 | 0 |
| ## 210 | 1271 | 217 | 319 | 735 | 0.17073171 | 207 | 12 |
| ## 207 | 808 | 187 | 367 | 254 | 0.23143564 | 189 | 0 |
| ## 487 | 345 | 44 | 51 | 250 | 0.12753623 | 326 | 73 |
| ## 33 | 738 | 195 | 315 | 228 | 0.26422764 | 2312 | 299 |
| ## 267 | 727 | 152 | 305 | 270 | 0.20907840 | 212 | 123 |
| ## 163 | 1525 | 367 | 389 | 769 | 0.24065574 | 9 | 0 |
| ## 81 | 473 | 149 | 171 | 153 | 0.31501057 | 356 | 4 |
| ## 223 | 331 | 86 | 100 | 145 | 0.25981873 | 128 | 58 |
| ## 386 | 737 | 152 | 245 | 340 | 0.20624152 | 358 | 36 |
| ## 343 | 378 | 51 | 108 | 219 | 0.13492064 | 183 | 1 |
| ## 137 | 461 | 50 | 44 | 367 | 0.10845987 | 773 | 37 |
| ## 483 | 413 | 78 | 76 | 259 | 0.18886199 | 27 | 0 |
| ## 71 | 557 | 129 | 214 | 214 | 0.23159785 | 275 | 15 |
| ## 358 | 592 | 156 | 246 | 190 | 0.26351351 | 490 | 401 |
| ## 323 | 517 | 123 | 163 | 231 | 0.23791102 | 8 | 0 |
| ## 385 | 339 | 60 | 147 | 132 | 0.17699115 | 85 | 0 |
| ## 261 | 1009 | 188 | 363 | 458 | 0.18632309 | 47 | 13 |
| ## 17 | 552 | 118 | 185 | 249 | 0.21376812 | 413 | 70 |
| ## 275 | 425 | 91 | 166 | 168 | 0.21411765 | 132 | 0 |
| ## 338 | 548 | 165 | 219 | 164 | 0.30109489 | 343 | 39 |
| ## 315 | 1299 | 200 | 227 | 872 | 0.15396459 | 841 | 284 |
| ## 189 | 395 | 101 | 162 | 132 | 0.25569620 | 7 | 0 |
| ## 243 | 1427 | 190 | 278 | 959 | 0.13314646 | 937 | 138 |
| ## 179 | 713 | 139 | 212 | 362 | 0.19495091 | 124 | 20 |
| ## 107 | 479 | 132 | 159 | 188 | 0.27557411 | 20 | 6 |
| ## 305 | 544 | 186 | 245 | 113 | 0.34191176 | 805 | 8 |
| ## 248 | 511 | 130 | 158 | 223 | 0.25440313 | 285 | 29 |
| ## 419 | 944 | 126 | 147 | 671 | 0.13347458 | 2303 | 28 |
| ## 395 | 920 | 204 | 282 | 434 | 0.22173913 | 91 | 5 |
| ## 496 | 263 | 59 | 119 | 85 | 0.22433460 | 19 | 0 |
| ## 86 | 321 | 63 | 72 | 186 | 0.19626168 | 413 | 10 |
| ## 438 | 923 | 245 | 377 | 301 | 0.26543879 | 162 | 19 |
| ## 282 | 908 | 207 | 341 | 360 | 0.22797357 | 236 | 140 |
| ## 23 | 569 | 110 | 95 | 364 | 0.19332162 | 605 | 13 |
| ## 321 | 531 | 119 | 169 | 243 | 0.22410546 | 215 | 33 |
| ## 406 | 396 | 93 | 175 | 128 | 0.23484848 | 249 | 8 |
| ## 51 | 812 | 153 | 283 | 376 | 0.18842365 | 193 | 20 |
| ## 55 | 253 | 87 | 118 | 48 | 0.34387352 | 107 | 43 |
| ## 106 | 1459 | 296 | 416 | 747 | 0.20287868 | 66 | 0 |
| ## 427 | 305 | 75 | 147 | 83 | 0.24590164 | 77 | 0 |
| ## 290 | 971 | 220 | 298 | 453 | 0.22657055 | 317 | 10 |
| ## 324 | 827 | 212 | 335 | 280 | 0.25634825 | 160 | 15 |
| ## 15 | 406 | 99 | 172 | 135 | 0.24384237 | 56 | 3 |

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|--------|------|-----|-----|------|------------|------|------|
| ## 303 | 276 | 70 | 124 | 82 | 0.25362319 | 1 | 0 |
| ## 169 | 489 | 133 | 155 | 201 | 0.27198364 | 273 | 16 |
| ## 116 | 721 | 130 | 326 | 265 | 0.18030513 | 945 | 113 |
| ## 102 | 232 | 88 | 71 | 73 | 0.37931034 | 70 | 12 |
| ## 262 | 1573 | 330 | 497 | 746 | 0.20979021 | 474 | 120 |
| ## 448 | 732 | 148 | 221 | 363 | 0.20218579 | 534 | 93 |
| ## 380 | 410 | 92 | 114 | 204 | 0.22439024 | 170 | 19 |
| ## 418 | 807 | 193 | 291 | 323 | 0.23915737 | 52 | 0 |
| ## 489 | 604 | 203 | 168 | 233 | 0.33609271 | 4287 | 1503 |
| ## 235 | 449 | 120 | 185 | 144 | 0.26726058 | 306 | 8 |
| ## 457 | 415 | 68 | 68 | 279 | 0.16385542 | 103 | 9 |
| ## 244 | 563 | 110 | 106 | 347 | 0.19538188 | 250 | 4 |
| ## 25 | 430 | 96 | 194 | 140 | 0.22325581 | 407 | 30 |
| ## 281 | 106 | 37 | 44 | 25 | 0.34905660 | 2829 | 226 |
| ## 119 | 623 | 103 | 174 | 346 | 0.16532905 | 597 | 2 |
| ## 400 | 361 | 103 | 112 | 146 | 0.28531856 | 54 | 24 |
| ## 481 | 745 | 131 | 143 | 471 | 0.17583893 | 194 | 8 |
| ## 180 | 525 | 144 | 231 | 150 | 0.27428571 | 22 | 0 |
| ## 482 | 990 | 224 | 256 | 510 | 0.22626263 | 2076 | 153 |
| ## 319 | 325 | 124 | 137 | 64 | 0.38153846 | 29 | 9 |
| ## 38 | 2216 | 430 | 560 | 1226 | 0.19404332 | 54 | 0 |
| ## 388 | 393 | 77 | 175 | 141 | 0.19592875 | 132 | 0 |
| ## 309 | 516 | 118 | 208 | 190 | 0.22868217 | 9 | 0 |
| ## 78 | 1061 | 192 | 244 | 625 | 0.18096136 | 61 | 0 |
| ## 7 | 547 | 92 | 83 | 372 | 0.16819013 | 784 | 54 |
| ## 12 | 905 | 194 | 323 | 388 | 0.21436464 | 1319 | 681 |
| ## 211 | 308 | 78 | 99 | 131 | 0.25324675 | 125 | 27 |
| ## 167 | 432 | 121 | 151 | 160 | 0.28009259 | 111 | 0 |
| ## 377 | 842 | 194 | 276 | 372 | 0.23040380 | 141 | 0 |
| ## 332 | 1003 | 141 | 130 | 732 | 0.14057827 | 224 | 0 |
| ## 144 | 912 | 302 | 371 | 239 | 0.33114035 | 2419 | 319 |
| ## 260 | 257 | 56 | 77 | 124 | 0.21789883 | 2713 | 165 |
| ## 453 | 445 | 79 | 149 | 217 | 0.17752809 | 349 | 87 |
| ## 491 | 466 | 77 | 130 | 259 | 0.16523605 | 60 | 13 |
| ## 52 | 969 | 280 | 412 | 277 | 0.28895769 | 62 | 9 |
| ## 206 | 280 | 66 | 112 | 102 | 0.23571429 | 28 | 0 |
| ## 160 | 839 | 256 | 351 | 232 | 0.30512515 | 48 | 22 |
| ## 277 | 980 | 227 | 358 | 395 | 0.23163265 | 191 | 20 |
| ## 88 | 876 | 212 | 324 | 340 | 0.24200913 | 3370 | 43 |
| ## 1 | 387 | 106 | 179 | 102 | 0.27390181 | 64 | 44 |
| ## 426 | 498 | 118 | 156 | 224 | 0.23694779 | 18 | 2 |
| ## 353 | 678 | 213 | 302 | 163 | 0.31415929 | 276 | 4 |
| ## 157 | 734 | 141 | 157 | 436 | 0.19209809 | 247 | 2 |
| ## 368 | 422 | 89 | 121 | 212 | 0.21090047 | 635 | 0 |
| ## 365 | 1289 | 249 | 396 | 644 | 0.19317300 | 1054 | 296 |
| ## 57 | 298 | 121 | 127 | 50 | 0.40604027 | 779 | 78 |
| ## 493 | 299 | 82 | 143 | 74 | 0.27424749 | 293 | 0 |
| ## 259 | 596 | 145 | 213 | 238 | 0.24328859 | 339 | 19 |
| ## 265 | 606 | 150 | 254 | 202 | 0.24752475 | 965 | 199 |
| ## 307 | 544 | 106 | 164 | 274 | 0.19485294 | 239 | 19 |
| ## 170 | 811 | 209 | 347 | 255 | 0.25770654 | 60 | 7 |
| ## 121 | 736 | 178 | 227 | 331 | 0.24184783 | 90 | 7 |
| ## 276 | 490 | 154 | 164 | 172 | 0.31428571 | 348 | 5 |
| ## 394 | 770 | 162 | 226 | 382 | 0.21038961 | 177 | 0 |

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|--------|------|-----|-----|------|------------|-------|------|
| ## 32 | 344 | 95 | 142 | 107 | 0.27616279 | 904 | 91 |
| ## 2 | 239 | 50 | 96 | 93 | 0.20920502 | 114 | 0 |
| ## 219 | 688 | 166 | 225 | 297 | 0.24127907 | 69 | 1 |
| ## 327 | 586 | 140 | 190 | 256 | 0.23890785 | 53 | 10 |
| ## 257 | 784 | 201 | 377 | 206 | 0.25637755 | 3845 | 400 |
| ## 227 | 611 | 124 | 282 | 205 | 0.20294599 | 91 | 0 |
| ## 195 | 1421 | 201 | 221 | 999 | 0.14144968 | 205 | 0 |
| ## 59 | 287 | 46 | 57 | 184 | 0.16027875 | 18 | 0 |
| ## 497 | 350 | 91 | 117 | 142 | 0.26000000 | 14 | 8 |
| ## 311 | 1344 | 270 | 458 | 616 | 0.20089286 | 559 | 55 |
| ## 363 | 1003 | 196 | 365 | 442 | 0.19541376 | 327 | 16 |
| ## 46 | 1240 | 304 | 445 | 491 | 0.24516129 | 98 | 19 |
| ## 490 | 623 | 72 | 86 | 465 | 0.11556982 | 159 | 4 |
| ## 286 | 506 | 121 | 195 | 190 | 0.23913044 | 1290 | 195 |
| ## 256 | 956 | 224 | 224 | 508 | 0.23430962 | 3381 | 330 |
| ## 41 | 1225 | 267 | 331 | 627 | 0.21795918 | 50 | 24 |
| ## 462 | 613 | 124 | 229 | 260 | 0.20228385 | 354 | 0 |
| ## 110 | 236 | 81 | 102 | 53 | 0.34322034 | 702 | 109 |
| ## 249 | 360 | 65 | 130 | 165 | 0.18055556 | 65 | 7 |
| ## 185 | 1069 | 245 | 319 | 505 | 0.22918616 | 414 | 23 |
| ## 150 | 639 | 164 | 216 | 259 | 0.25665102 | 864 | 119 |
| ## 331 | 771 | 178 | 229 | 364 | 0.23086900 | 396 | 3 |
| ## 271 | 207 | 64 | 86 | 57 | 0.30917874 | 36 | 5 |
| ## 268 | 525 | 141 | 222 | 162 | 0.26857143 | 62 | 0 |
| ## 463 | 469 | 124 | 230 | 115 | 0.26439232 | 127 | 7 |
| ## 495 | 1218 | 256 | 358 | 604 | 0.21018062 | 236 | 4 |
| ## 362 | 319 | 73 | 141 | 105 | 0.22884013 | 177 | 102 |
| ## 460 | 1924 | 320 | 432 | 1172 | 0.16632017 | 6981 | 264 |
| ## 330 | 360 | 65 | 74 | 221 | 0.18055556 | 64 | 0 |
| ## 231 | 311 | 109 | 141 | 61 | 0.35048231 | 34 | 0 |
| ## 19 | 715 | 259 | 360 | 96 | 0.36223776 | 311 | 29 |
| ## 142 | 538 | 134 | 206 | 198 | 0.24907063 | 109 | 7 |
| ## 472 | 547 | 130 | 192 | 225 | 0.23765996 | 490 | 26 |
| ## 279 | 504 | 152 | 232 | 120 | 0.30158730 | 452 | 88 |
| ## 295 | 988 | 252 | 321 | 415 | 0.25506073 | 261 | 13 |
| ## 148 | 434 | 108 | 206 | 120 | 0.24884793 | 25 | 4 |
| ## 99 | 597 | 136 | 208 | 253 | 0.22780570 | 144 | 25 |
| ## 373 | 629 | 138 | 252 | 239 | 0.21939587 | 162 | 0 |
| ## 312 | 392 | 60 | 105 | 227 | 0.15306122 | 68 | 0 |
| ## 393 | 488 | 117 | 130 | 241 | 0.23975410 | 24 | 0 |
| ## 173 | 343 | 65 | 63 | 215 | 0.18950437 | 291 | 144 |
| ## 162 | 335 | 77 | 99 | 159 | 0.22985075 | 178 | 0 |
| ## 374 | 811 | 151 | 232 | 428 | 0.18618989 | 101 | 14 |
| ## 76 | 735 | 169 | 208 | 358 | 0.22993197 | 705 | 37 |
| ## 500 | 1398 | 334 | 616 | 448 | 0.23891273 | 447 | 15 |
| ## 216 | 771 | 174 | 282 | 315 | 0.22568093 | 2152 | 1029 |
| ## 411 | 881 | 123 | 209 | 549 | 0.13961408 | 17644 | 344 |
| ## 230 | 308 | 74 | 107 | 127 | 0.24025974 | 973 | 46 |
| ## 16 | 279 | 57 | 97 | 125 | 0.20430107 | 116 | 0 |
| ## 222 | 0 | 0 | 0 | 0 | 0.00000000 | 0 | 0 |
| ## 8 | 697 | 136 | 167 | 394 | 0.19512195 | 34 | 0 |
| ## 340 | 12 | 2 | 5 | 5 | 0.16666667 | 338 | 130 |
| ## 22 | 656 | 123 | 203 | 330 | 0.18750000 | 151 | 17 |
| ## 128 | 1259 | 315 | 433 | 511 | 0.25019857 | 2168 | 152 |

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|--------|------|-----|-----|------|------------|------|-----|
| ## 469 | 791 | 155 | 197 | 439 | 0.19595449 | 1539 | 127 |
| ## 109 | 670 | 187 | 243 | 240 | 0.27910448 | 145 | 3 |
| ## 50 | 299 | 58 | 144 | 97 | 0.19397993 | 72 | 0 |
| ## 69 | 511 | 101 | 113 | 297 | 0.19765166 | 623 | 346 |
| ## 403 | 462 | 96 | 125 | 241 | 0.20779221 | 139 | 0 |
| ## 442 | 608 | 152 | 185 | 271 | 0.25000000 | 100 | 17 |
| ## 143 | 1462 | 354 | 580 | 528 | 0.24213406 | 5041 | 65 |
| ## 168 | 579 | 134 | 271 | 174 | 0.23143351 | 27 | 22 |
| ## 360 | 546 | 120 | 222 | 204 | 0.21978022 | 174 | 22 |
| ## 20 | 477 | 138 | 257 | 82 | 0.28930818 | 1131 | 48 |
| ## 440 | 827 | 196 | 201 | 430 | 0.23700121 | 238 | 14 |
| ## 451 | 1110 | 248 | 371 | 491 | 0.22342342 | 995 | 517 |
| ## 196 | 673 | 159 | 240 | 274 | 0.23625557 | 55 | 6 |
| ## 27 | 247 | 74 | 83 | 90 | 0.29959514 | 89 | 15 |
| ## 134 | 687 | 150 | 140 | 397 | 0.21834061 | 72 | 28 |
| ## 494 | 1002 | 187 | 272 | 543 | 0.18662675 | 1076 | 20 |
| ## 205 | 1698 | 315 | 320 | 1063 | 0.18551237 | 1239 | 191 |
| ## 294 | 521 | 138 | 230 | 153 | 0.26487524 | 43 | 0 |
| ## 123 | 378 | 101 | 138 | 139 | 0.26719577 | 1574 | 98 |
| ## 253 | 476 | 130 | 200 | 146 | 0.27310924 | 0 | 0 |
| ## 466 | 481 | 99 | 210 | 172 | 0.20582121 | 21 | 0 |
| ## 139 | 723 | 161 | 277 | 285 | 0.22268326 | 1762 | 806 |
| ## 95 | 262 | 63 | 118 | 81 | 0.24045801 | 77 | 1 |
| ## 369 | 691 | 162 | 300 | 229 | 0.23444284 | 188 | 5 |
| ## 127 | 654 | 152 | 198 | 304 | 0.23241590 | 158 | 5 |
| ## 484 | 774 | 155 | 210 | 409 | 0.20025840 | 89 | 1 |
| ## 450 | 569 | 125 | 208 | 236 | 0.21968366 | 41 | 24 |
| ## 72 | 305 | 73 | 98 | 134 | 0.23934426 | 491 | 73 |
| ## 204 | 575 | 114 | 164 | 297 | 0.19826087 | 32 | 0 |
| ## 301 | 622 | 134 | 172 | 316 | 0.21543408 | 533 | 34 |
| ## 465 | 553 | 117 | 198 | 238 | 0.21157324 | 995 | 118 |
| ## 339 | 583 | 191 | 247 | 145 | 0.32761578 | 309 | 156 |
| ## 328 | 1064 | 243 | 398 | 423 | 0.22838346 | 276 | 0 |
| ## 299 | 465 | 140 | 177 | 148 | 0.30107527 | 196 | 2 |
| ## 349 | 573 | 113 | 118 | 342 | 0.19720768 | 100 | 3 |
| ## 399 | 376 | 90 | 139 | 147 | 0.23936170 | 172 | 3 |
| ## 92 | 519 | 157 | 244 | 118 | 0.30250482 | 30 | 0 |
| ## 467 | 169 | 67 | 77 | 25 | 0.39644970 | 31 | 2 |
| ## 352 | 371 | 91 | 134 | 146 | 0.24528302 | 102 | 97 |
| ## 232 | 477 | 186 | 217 | 74 | 0.38993711 | 379 | 31 |
| ## 13 | 1022 | 200 | 341 | 481 | 0.19569472 | 55 | 1 |
| ## 104 | 1199 | 284 | 508 | 407 | 0.23686405 | 100 | 0 |
| ## 80 | 703 | 196 | 274 | 233 | 0.27880512 | 259 | 0 |
| ## 131 | 1611 | 363 | 750 | 498 | 0.22532589 | 487 | 35 |
| ## 376 | 609 | 96 | 106 | 407 | 0.15763547 | 1235 | 79 |
| ## 166 | 456 | 136 | 185 | 135 | 0.29824561 | 336 | 25 |
| ## 478 | 526 | 73 | 89 | 364 | 0.13878327 | 766 | 279 |
| ## 264 | 348 | 60 | 128 | 160 | 0.17241379 | 1212 | 32 |
| ## 254 | 2027 | 638 | 820 | 569 | 0.31475086 | 1972 | 150 |
| ## 129 | 363 | 65 | 76 | 222 | 0.17906336 | 44 | 14 |
| ## 292 | 621 | 126 | 202 | 293 | 0.20289855 | 516 | 64 |
| ## 430 | 304 | 82 | 99 | 123 | 0.26973684 | 116 | 21 |
| ## 130 | 981 | 186 | 193 | 602 | 0.18960245 | 168 | 0 |
| ## 183 | 1226 | 99 | 144 | 983 | 0.08075041 | 76 | 5 |

| | | | | | | | | | | |
|----|--------|--------|--------|--------|--------|------------|--------|--------|--------|-------|
| ## | 325 | 388 | 82 | 135 | 171 | 0.21134021 | 660 | 92 | | |
| ## | 280 | 754 | 152 | 210 | 392 | 0.20159151 | 629 | 3 | | |
| ## | 420 | 898 | 198 | 237 | 463 | 0.22048998 | 380 | 33 | | |
| ## | 18 | 282 | 69 | 85 | 128 | 0.24468085 | 464 | 54 | | |
| ## | 74 | 457 | 108 | 150 | 199 | 0.23632385 | 19 | 0 | | |
| ## | 153 | 494 | 152 | 177 | 165 | 0.30769231 | 1205 | 187 | | |
| ## | 447 | 596 | 144 | 263 | 189 | 0.24161074 | 360 | 211 | | |
| ## | 172 | 445 | 107 | 150 | 188 | 0.24044944 | 344 | 32 | | |
| ## | 79 | 331 | 73 | 100 | 158 | 0.22054381 | 507 | 40 | | |
| ## | 344 | 899 | 177 | 330 | 392 | 0.19688543 | 962 | 63 | | |
| ## | 354 | 171 | 53 | 80 | 38 | 0.30994152 | 14 | 8 | | |
| ## | 225 | 1044 | 224 | 344 | 476 | 0.21455939 | 714 | 50 | | |
| ## | 239 | 651 | 149 | 287 | 215 | 0.22887865 | 1017 | 68 | | |
| ## | 220 | 434 | 88 | 161 | 185 | 0.20276498 | 37 | 23 | | |
| ## | 94 | 457 | 90 | 152 | 215 | 0.19693654 | 213 | 11 | | |
| ## | 288 | 868 | 111 | 166 | 591 | 0.12788018 | 525 | 40 | | |
| ## | 62 | 251 | 96 | 97 | 58 | 0.38247012 | 1784 | 0 | | |
| ## | 251 | 720 | 114 | 173 | 433 | 0.15833333 | 167 | 9 | | |
| ## | 389 | 280 | 62 | 64 | 154 | 0.22142857 | 19 | 0 | | |
| ## | 382 | 575 | 109 | 212 | 254 | 0.18956522 | 1132 | 85 | | |
| ## | 246 | 1051 | 208 | 351 | 492 | 0.19790675 | 67 | 0 | | |
| ## | 425 | 1034 | 201 | 310 | 523 | 0.19439072 | 214 | 24 | | |
| ## | 174 | 251 | 85 | 132 | 34 | 0.33864542 | 50 | 37 | | |
| ## | 296 | 276 | 85 | 141 | 50 | 0.30797101 | 44 | 3 | | |
| ## | 461 | 425 | 88 | 93 | 244 | 0.20705882 | 338 | 2 | | |
| ## | 367 | 265 | 66 | 107 | 92 | 0.24905660 | 708 | 53 | | |
| ## | 48 | 304 | 101 | 142 | 61 | 0.33223684 | 657 | 345 | | |
| ## | 408 | 1068 | 210 | 399 | 459 | 0.19662921 | 1414 | 0 | | |
| ## | 218 | 730 | 202 | 219 | 309 | 0.27671233 | 3445 | 67 | | |
| ## | E5_Off | E5_Ind | E5_Svc | E5_Ent | E8_Ret | E8_off | E8_Ind | E8_Svc | E8_Ent | E8_Ed |
| ## | 429 | 1 | 20 | 335 | 0 | 0 | 1 | 20 | 20 | 0 |
| ## | 297 | 13 | 1 | 55 | 98 | 1 | 13 | 1 | 53 | 98 |
| ## | 221 | 53 | 1086 | 137 | 4 | 39 | 53 | 1086 | 101 | 4 |
| ## | 83 | 7 | 9 | 54 | 22 | 70 | 7 | 9 | 35 | 22 |
| ## | 431 | 3 | 11 | 10 | 5 | 0 | 3 | 11 | 10 | 5 |
| ## | 284 | 4 | 93 | 57 | 3 | 15 | 4 | 93 | 18 | 3 |
| ## | 159 | 26 | 3 | 38 | 8 | 175 | 26 | 3 | 22 | 8 |
| ## | 263 | 0 | 139 | 13 | 0 | 16 | 0 | 139 | 5 | 0 |
| ## | 435 | 177 | 309 | 1189 | 139 | 419 | 177 | 309 | 105 | 139 |
| ## | 302 | 0 | 102 | 28 | 2 | 9 | 0 | 102 | 28 | 2 |
| ## | 485 | 6 | 22 | 58 | 28 | 52 | 6 | 22 | 50 | 28 |
| ## | 250 | 0 | 8 | 25 | 0 | 11 | 0 | 8 | 2 | 0 |
| ## | 410 | 0 | 13 | 9 | 8 | 0 | 0 | 13 | 9 | 8 |
| ## | 445 | 0 | 29 | 25 | 13 | 2 | 0 | 29 | 4 | 13 |
| ## | 63 | 36 | 22 | 149 | 7 | 21 | 4 | 22 | 41 | 7 |
| ## | 247 | 3 | 2 | 234 | 9 | 55 | 3 | 2 | 65 | 9 |
| ## | 415 | 4 | 2 | 61 | 0 | 18 | 4 | 2 | 0 | 0 |
| ## | 194 | 80 | 8 | 626 | 271 | 1373 | 80 | 8 | 338 | 271 |
| ## | 390 | 1 | 279 | 103 | 187 | 89 | 1 | 279 | 92 | 187 |
| ## | 191 | 14 | 116 | 704 | 204 | 116 | 14 | 116 | 323 | 204 |
| ## | 477 | 0 | 8 | 189 | 14 | 51 | 0 | 8 | 115 | 14 |
| ## | 468 | 22 | 7 | 114 | 52 | 106 | 22 | 7 | 73 | 52 |
| ## | 70 | 0 | 3 | 12 | 0 | 0 | 0 | 3 | 0 | 0 |
| ## | 229 | 3 | 8 | 13 | 18 | 7 | 3 | 8 | 8 | 18 |

| | | | | | | | | | | |
|--------|-----|------|------|-----|-----|-----|------|-----|-----|------|
| ## 97 | 12 | 23 | 2668 | 129 | 52 | 12 | 23 | 271 | 129 | 2377 |
| ## 112 | 0 | 0 | 74 | 6 | 0 | 0 | 0 | 5 | 6 | 69 |
| ## 458 | 3 | 0 | 16 | 7 | 4 | 3 | 0 | 16 | 7 | 0 |
| ## 126 | 3 | 10 | 48 | 23 | 9 | 3 | 10 | 20 | 23 | 0 |
| ## 434 | 1 | 27 | 85 | 37 | 36 | 1 | 27 | 17 | 37 | 0 |
| ## 372 | 0 | 10 | 43 | 75 | 2 | 0 | 10 | 39 | 75 | 0 |
| ## 171 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ## 455 | 45 | 597 | 296 | 138 | 546 | 45 | 597 | 296 | 138 | 0 |
| ## 432 | 48 | 88 | 123 | 66 | 166 | 44 | 88 | 123 | 66 | 0 |
| ## 437 | 0 | 11 | 23 | 0 | 0 | 0 | 11 | 1 | 0 | 0 |
| ## 215 | 37 | 34 | 26 | 79 | 177 | 37 | 34 | 18 | 79 | 2 |
| ## 441 | 9 | 95 | 13 | 0 | 7 | 9 | 95 | 9 | 0 | 0 |
| ## 213 | 77 | 0 | 22 | 0 | 26 | 77 | 0 | 10 | 0 | 0 |
| ## 118 | 16 | 151 | 316 | 75 | 31 | 16 | 151 | 201 | 75 | 29 |
| ## 456 | 0 | 0 | 4 | 0 | 14 | 0 | 0 | 2 | 0 | 0 |
| ## 58 | 84 | 2619 | 317 | 0 | 69 | 84 | 2619 | 214 | 0 | 73 |
| ## 379 | 21 | 216 | 17 | 8 | 2 | 21 | 216 | 11 | 8 | 4 |
| ## 407 | 44 | 88 | 73 | 44 | 43 | 44 | 88 | 48 | 44 | 23 |
| ## 422 | 0 | 2 | 28 | 0 | 0 | 0 | 2 | 14 | 0 | 0 |
| ## 351 | 0 | 8 | 12 | 0 | 1 | 0 | 8 | 12 | 0 | 0 |
| ## 452 | 5 | 76 | 70 | 17 | 128 | 5 | 76 | 70 | 17 | 0 |
| ## 366 | 0 | 8 | 111 | 9 | 14 | 0 | 8 | 19 | 9 | 73 |
| ## 397 | 21 | 165 | 597 | 130 | 1 | 21 | 165 | 105 | 130 | 34 |
| ## 201 | 94 | 24 | 216 | 17 | 0 | 94 | 24 | 41 | 17 | 142 |
| ## 10 | 0 | 13 | 73 | 0 | 13 | 0 | 13 | 10 | 0 | 0 |
| ## 480 | 25 | 14 | 13 | 3 | 1 | 3 | 14 | 8 | 3 | 0 |
| ## 446 | 0 | 2 | 87 | 0 | 7 | 0 | 2 | 4 | 0 | 83 |
| ## 82 | 0 | 1 | 37 | 0 | 0 | 0 | 1 | 27 | 0 | 0 |
| ## 151 | 0 | 9 | 61 | 4 | 18 | 0 | 9 | 0 | 4 | 0 |
| ## 236 | 20 | 31 | 96 | 82 | 1 | 20 | 31 | 2 | 82 | 94 |
| ## 237 | 78 | 88 | 254 | 422 | 8 | 78 | 88 | 224 | 422 | 0 |
| ## 479 | 2 | 113 | 104 | 86 | 33 | 2 | 113 | 6 | 86 | 91 |
| ## 383 | 0 | 62 | 40 | 0 | 0 | 0 | 62 | 37 | 0 | 0 |
| ## 75 | 190 | 50 | 396 | 129 | 27 | 190 | 50 | 140 | 129 | 209 |
| ## 350 | 17 | 250 | 62 | 14 | 16 | 3 | 250 | 29 | 14 | 27 |
| ## 310 | 40 | 4 | 120 | 114 | 270 | 40 | 4 | 41 | 114 | 59 |
| ## 475 | 0 | 3 | 457 | 0 | 14 | 0 | 3 | 8 | 0 | 1 |
| ## 101 | 88 | 106 | 1191 | 140 | 105 | 88 | 106 | 291 | 140 | 11 |
| ## 65 | 162 | 24 | 959 | 56 | 256 | 148 | 24 | 57 | 56 | 1 |
| ## 291 | 119 | 18 | 352 | 114 | 350 | 119 | 18 | 213 | 114 | 8 |
| ## 199 | 5 | 41 | 24 | 0 | 0 | 5 | 41 | 24 | 0 | 0 |
| ## 436 | 197 | 79 | 218 | 575 | 142 | 197 | 79 | 176 | 575 | 26 |
| ## 387 | 11 | 58 | 449 | 0 | 19 | 11 | 58 | 290 | 0 | 0 |
| ## 100 | 6 | 242 | 39 | 83 | 50 | 6 | 242 | 35 | 83 | 0 |
| ## 334 | 34 | 9 | 13 | 0 | 0 | 34 | 9 | 9 | 0 | 0 |
| ## 439 | 0 | 7 | 53 | 2 | 77 | 0 | 7 | 19 | 2 | 3 |
| ## 87 | 8 | 150 | 82 | 42 | 167 | 8 | 150 | 58 | 42 | 3 |
| ## 333 | 8 | 163 | 71 | 21 | 65 | 8 | 163 | 59 | 21 | 0 |
| ## 184 | 62 | 73 | 234 | 290 | 138 | 62 | 73 | 35 | 290 | 154 |
| ## 186 | 50 | 25 | 313 | 43 | 91 | 50 | 25 | 81 | 43 | 93 |
| ## 49 | 7 | 20 | 6 | 0 | 3 | 6 | 20 | 6 | 0 | 0 |
| ## 357 | 0 | 5 | 2 | 0 | 0 | 0 | 5 | 1 | 0 | 0 |
| ## 224 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| ## 486 | 0 | 268 | 274 | 53 | 113 | 0 | 268 | 76 | 53 | 175 |

| | | | | | | | | | | |
|--------|-----|------|------|-----|------|-----|------|-----|-----|------|
| ## 164 | 90 | 2862 | 644 | 39 | 23 | 90 | 2862 | 537 | 39 | 0 |
| ## 226 | 17 | 4 | 24 | 34 | 14 | 17 | 4 | 24 | 34 | 0 |
| ## 404 | 11 | 5 | 25 | 5 | 45 | 11 | 5 | 8 | 5 | 0 |
| ## 272 | 0 | 0 | 112 | 7 | 0 | 0 | 0 | 4 | 7 | 100 |
| ## 238 | 19 | 61 | 106 | 14 | 21 | 15 | 61 | 59 | 14 | 0 |
| ## 140 | 26 | 658 | 722 | 219 | 491 | 16 | 658 | 54 | 219 | 540 |
| ## 31 | 43 | 894 | 200 | 331 | 454 | 43 | 894 | 111 | 331 | 34 |
| ## 313 | 14 | 4 | 6 | 42 | 0 | 0 | 4 | 6 | 42 | 0 |
| ## 359 | 13 | 196 | 54 | 73 | 60 | 8 | 196 | 21 | 73 | 24 |
| ## 181 | 0 | 59 | 52 | 0 | 6 | 0 | 59 | 40 | 0 | 0 |
| ## 90 | 85 | 31 | 245 | 85 | 18 | 85 | 31 | 58 | 85 | 98 |
| ## 444 | 12 | 260 | 54 | 0 | 12 | 12 | 260 | 33 | 0 | 0 |
| ## 85 | 856 | 1398 | 209 | 367 | 487 | 846 | 1398 | 160 | 367 | 14 |
| ## 187 | 7 | 18 | 132 | 0 | 2 | 7 | 18 | 65 | 0 | 6 |
| ## 30 | 45 | 437 | 776 | 30 | 20 | 0 | 437 | 151 | 30 | 607 |
| ## 304 | 0 | 33 | 154 | 68 | 9 | 0 | 33 | 20 | 68 | 0 |
| ## 202 | 0 | 7 | 2 | 5 | 1 | 0 | 7 | 0 | 5 | 0 |
| ## 37 | 0 | 9 | 0 | 15 | 18 | 0 | 9 | 0 | 15 | 0 |
| ## 287 | 62 | 45 | 117 | 144 | 100 | 62 | 45 | 31 | 144 | 31 |
| ## 471 | 0 | 0 | 2 | 16 | 148 | 0 | 0 | 2 | 16 | 0 |
| ## 314 | 105 | 70 | 171 | 125 | 132 | 105 | 70 | 89 | 125 | 9 |
| ## 36 | 1 | 4 | 35 | 0 | 12 | 1 | 4 | 16 | 0 | 0 |
| ## 5 | 2 | 38 | 3 | 0 | 6 | 0 | 38 | 3 | 0 | 0 |
| ## 108 | 14 | 43 | 138 | 30 | 0 | 14 | 43 | 127 | 30 | 0 |
| ## 47 | 49 | 12 | 5 | 0 | 0 | 0 | 12 | 5 | 0 | 0 |
| ## 89 | 0 | 0 | 0 | 0 | 17 | 0 | 0 | 0 | 0 | 0 |
| ## 454 | 3 | 8 | 20 | 10 | 5 | 3 | 8 | 6 | 10 | 0 |
| ## 336 | 0 | 12 | 68 | 0 | 1 | 0 | 12 | 68 | 0 | 0 |
| ## 252 | 2 | 37 | 22 | 8 | 3 | 0 | 37 | 22 | 8 | 0 |
| ## 464 | 8 | 42 | 135 | 37 | 43 | 8 | 42 | 114 | 37 | 0 |
| ## 212 | 32 | 290 | 147 | 38 | 25 | 23 | 290 | 22 | 38 | 28 |
| ## 233 | 138 | 373 | 453 | 419 | 227 | 138 | 373 | 272 | 419 | 168 |
| ## 428 | 0 | 0 | 0 | 0 | 167 | 0 | 0 | 0 | 0 | 0 |
| ## 154 | 2 | 28 | 7 | 0 | 4 | 2 | 28 | 7 | 0 | 0 |
| ## 40 | 63 | 120 | 3045 | 7 | 14 | 63 | 120 | 184 | 7 | 2830 |
| ## 356 | 0 | 60 | 68 | 2 | 5 | 0 | 60 | 36 | 2 | 32 |
| ## 473 | 0 | 0 | 164 | 0 | 18 | 0 | 0 | 0 | 0 | 0 |
| ## 133 | 455 | 390 | 901 | 963 | 1480 | 455 | 390 | 560 | 963 | 25 |
| ## 152 | 18 | 36 | 105 | 83 | 13 | 18 | 36 | 9 | 83 | 0 |
| ## 4 | 4 | 41 | 85 | 0 | 2 | 4 | 41 | 1 | 0 | 0 |
| ## 56 | 6 | 42 | 29 | 0 | 0 | 6 | 42 | 27 | 0 | 1 |
| ## 384 | 9 | 46 | 89 | 116 | 84 | 9 | 46 | 36 | 116 | 0 |
| ## 145 | 2 | 3 | 6 | 0 | 0 | 2 | 3 | 1 | 0 | 0 |
| ## 234 | 80 | 113 | 167 | 102 | 129 | 80 | 113 | 149 | 102 | 0 |
| ## 361 | 0 | 21 | 5 | 4 | 2 | 0 | 21 | 3 | 4 | 0 |
| ## 348 | 0 | 8 | 1 | 0 | 3 | 0 | 8 | 1 | 0 | 0 |
| ## 197 | 50 | 1 | 220 | 2 | 16 | 50 | 1 | 33 | 2 | 0 |
| ## 136 | 18 | 3 | 23 | 0 | 6 | 18 | 3 | 19 | 0 | 0 |
| ## 192 | 1 | 0 | 279 | 2 | 0 | 1 | 0 | 2 | 2 | 0 |
| ## 258 | 6 | 431 | 68 | 15 | 87 | 6 | 431 | 67 | 15 | 1 |
| ## 61 | 3 | 6 | 16 | 1 | 0 | 3 | 6 | 13 | 1 | 0 |
| ## 240 | 7 | 36 | 40 | 180 | 58 | 7 | 36 | 27 | 180 | 0 |
| ## 293 | 1 | 4 | 12 | 0 | 11 | 1 | 4 | 3 | 0 | 9 |
| ## 255 | 0 | 10 | 1 | 0 | 0 | 0 | 10 | 1 | 0 | 0 |

| | | | | | | | | | | |
|--------|-----|-----|------|-----|-----|-----|-----|-----|-----|------|
| ## 245 | 17 | 0 | 5 | 58 | 1 | 17 | 0 | 0 | 58 | 0 |
| ## 77 | 11 | 1 | 52 | 125 | 288 | 11 | 1 | 44 | 125 | 0 |
| ## 156 | 0 | 17 | 1 | 3 | 0 | 0 | 17 | 0 | 3 | 0 |
| ## 43 | 0 | 40 | 55 | 0 | 0 | 0 | 40 | 0 | 0 | 41 |
| ## 474 | 34 | 37 | 70 | 14 | 8 | 1 | 37 | 43 | 14 | 18 |
| ## 449 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ## 214 | 0 | 6 | 3 | 0 | 0 | 0 | 6 | 3 | 0 | 0 |
| ## 91 | 0 | 0 | 8 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| ## 285 | 3 | 6 | 3 | 0 | 16 | 3 | 6 | 3 | 0 | 0 |
| ## 364 | 14 | 0 | 21 | 0 | 12 | 14 | 0 | 16 | 0 | 0 |
| ## 178 | 0 | 83 | 0 | 2 | 8 | 0 | 83 | 0 | 2 | 0 |
| ## 93 | 0 | 21 | 90 | 0 | 4 | 0 | 21 | 21 | 0 | 0 |
| ## 84 | 0 | 2 | 31 | 0 | 0 | 0 | 2 | 0 | 0 | 0 |
| ## 146 | 5 | 17 | 79 | 3 | 0 | 5 | 17 | 1 | 3 | 66 |
| ## 64 | 1 | 11 | 32 | 0 | 0 | 1 | 11 | 30 | 0 | 0 |
| ## 326 | 42 | 11 | 406 | 205 | 9 | 42 | 11 | 260 | 205 | 61 |
| ## 273 | 0 | 7 | 0 | 5 | 0 | 0 | 7 | 0 | 5 | 0 |
| ## 355 | 1 | 15 | 240 | 18 | 0 | 1 | 15 | 14 | 18 | 0 |
| ## 228 | 7 | 52 | 252 | 77 | 55 | 7 | 52 | 16 | 77 | 0 |
| ## 117 | 2 | 1 | 46 | 25 | 0 | 2 | 1 | 38 | 25 | 0 |
| ## 29 | 341 | 7 | 244 | 4 | 13 | 23 | 7 | 29 | 4 | 180 |
| ## 45 | 70 | 39 | 50 | 11 | 6 | 70 | 39 | 49 | 11 | 0 |
| ## 176 | 6 | 10 | 11 | 70 | 0 | 6 | 10 | 8 | 70 | 2 |
| ## 198 | 0 | 3 | 13 | 44 | 0 | 0 | 3 | 5 | 44 | 0 |
| ## 488 | 13 | 45 | 124 | 3 | 3 | 13 | 45 | 25 | 3 | 0 |
| ## 35 | 3 | 12 | 60 | 0 | 0 | 3 | 12 | 33 | 0 | 0 |
| ## 54 | 8 | 0 | 162 | 0 | 0 | 8 | 0 | 1 | 0 | 0 |
| ## 208 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ## 402 | 2 | 124 | 65 | 0 | 0 | 0 | 124 | 25 | 0 | 0 |
| ## 417 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ## 345 | 25 | 620 | 109 | 106 | 130 | 25 | 620 | 70 | 106 | 0 |
| ## 60 | 127 | 239 | 195 | 422 | 110 | 127 | 239 | 154 | 422 | 6 |
| ## 105 | 1 | 7 | 84 | 0 | 5 | 1 | 7 | 0 | 0 | 64 |
| ## 283 | 1 | 69 | 583 | 0 | 0 | 1 | 69 | 583 | 0 | 0 |
| ## 210 | 4 | 94 | 97 | 0 | 12 | 4 | 94 | 34 | 0 | 0 |
| ## 207 | 38 | 0 | 151 | 0 | 0 | 38 | 0 | 0 | 0 | 151 |
| ## 487 | 12 | 3 | 144 | 94 | 73 | 12 | 3 | 69 | 94 | 20 |
| ## 33 | 14 | 7 | 1815 | 177 | 299 | 14 | 7 | 61 | 177 | 1754 |
| ## 267 | 0 | 0 | 47 | 42 | 123 | 0 | 0 | 39 | 42 | 0 |
| ## 163 | 3 | 4 | 2 | 0 | 0 | 3 | 4 | 2 | 0 | 0 |
| ## 81 | 9 | 0 | 293 | 50 | 4 | 9 | 0 | 155 | 50 | 0 |
| ## 223 | 0 | 0 | 51 | 19 | 58 | 0 | 0 | 2 | 19 | 0 |
| ## 386 | 13 | 253 | 56 | 0 | 36 | 6 | 253 | 35 | 0 | 21 |
| ## 343 | 3 | 15 | 151 | 13 | 1 | 3 | 15 | 137 | 13 | 5 |
| ## 137 | 128 | 21 | 347 | 240 | 37 | 128 | 21 | 210 | 240 | 6 |
| ## 483 | 7 | 2 | 14 | 4 | 0 | 7 | 2 | 3 | 4 | 0 |
| ## 71 | 3 | 56 | 200 | 1 | 15 | 3 | 56 | 5 | 1 | 0 |
| ## 358 | 7 | 20 | 50 | 12 | 401 | 7 | 20 | 47 | 12 | 1 |
| ## 323 | 0 | 0 | 8 | 0 | 0 | 0 | 0 | 3 | 0 | 0 |
| ## 385 | 3 | 22 | 60 | 0 | 0 | 3 | 22 | 15 | 0 | 45 |
| ## 261 | 11 | 19 | 2 | 2 | 13 | 11 | 19 | 2 | 2 | 0 |
| ## 17 | 32 | 174 | 94 | 43 | 70 | 32 | 174 | 65 | 43 | 0 |
| ## 275 | 0 | 0 | 132 | 0 | 0 | 0 | 0 | 7 | 0 | 0 |
| ## 338 | 11 | 258 | 35 | 0 | 39 | 11 | 258 | 26 | 0 | 0 |

| | | | | | | | | | | |
|--------|------|------|------|------|------|-----|------|-----|------|-----|
| ## 315 | 114 | 106 | 237 | 100 | 284 | 114 | 106 | 115 | 100 | 77 |
| ## 189 | 0 | 5 | 2 | 0 | 0 | 0 | 5 | 2 | 0 | 0 |
| ## 243 | 4 | 583 | 203 | 9 | 138 | 4 | 583 | 78 | 9 | 49 |
| ## 179 | 26 | 6 | 46 | 26 | 20 | 26 | 6 | 27 | 26 | 3 |
| ## 107 | 8 | 3 | 0 | 3 | 6 | 8 | 3 | 0 | 3 | 0 |
| ## 305 | 568 | 1 | 218 | 10 | 8 | 23 | 1 | 99 | 10 | 44 |
| ## 248 | 16 | 97 | 81 | 62 | 29 | 16 | 97 | 59 | 62 | 1 |
| ## 419 | 424 | 99 | 1204 | 548 | 28 | 424 | 99 | 847 | 548 | 1 |
| ## 395 | 15 | 5 | 63 | 3 | 5 | 15 | 5 | 8 | 3 | 52 |
| ## 496 | 0 | 1 | 18 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| ## 86 | 97 | 16 | 290 | 0 | 10 | 97 | 16 | 244 | 0 | 0 |
| ## 438 | 3 | 106 | 34 | 0 | 19 | 3 | 106 | 3 | 0 | 0 |
| ## 282 | 9 | 28 | 2 | 57 | 140 | 0 | 28 | 2 | 57 | 0 |
| ## 23 | 8 | 18 | 480 | 86 | 13 | 8 | 18 | 116 | 86 | 0 |
| ## 321 | 18 | 0 | 102 | 62 | 33 | 18 | 0 | 41 | 62 | 60 |
| ## 406 | 44 | 151 | 45 | 1 | 8 | 44 | 151 | 43 | 1 | 0 |
| ## 51 | 23 | 15 | 8 | 127 | 20 | 23 | 15 | 6 | 127 | 0 |
| ## 55 | 0 | 0 | 11 | 53 | 43 | 0 | 0 | 11 | 53 | 0 |
| ## 106 | 0 | 46 | 18 | 2 | 0 | 0 | 46 | 18 | 2 | 0 |
| ## 427 | 2 | 0 | 75 | 0 | 0 | 2 | 0 | 6 | 0 | 0 |
| ## 290 | 0 | 46 | 77 | 184 | 10 | 0 | 46 | 47 | 184 | 2 |
| ## 324 | 15 | 2 | 4 | 124 | 15 | 15 | 2 | 3 | 124 | 0 |
| ## 15 | 0 | 44 | 9 | 0 | 3 | 0 | 44 | 8 | 0 | 0 |
| ## 303 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ## 169 | 2 | 33 | 222 | 0 | 16 | 2 | 33 | 37 | 0 | 0 |
| ## 116 | 177 | 128 | 486 | 41 | 113 | 16 | 128 | 29 | 41 | 314 |
| ## 102 | 17 | 35 | 3 | 3 | 12 | 16 | 35 | 3 | 3 | 0 |
| ## 262 | 11 | 34 | 174 | 135 | 120 | 11 | 34 | 125 | 135 | 48 |
| ## 448 | 14 | 68 | 233 | 126 | 93 | 14 | 68 | 58 | 126 | 128 |
| ## 380 | 12 | 23 | 27 | 89 | 19 | 12 | 23 | 8 | 89 | 0 |
| ## 418 | 2 | 20 | 25 | 5 | 0 | 2 | 20 | 25 | 5 | 0 |
| ## 489 | 241 | 60 | 1438 | 1045 | 1503 | 231 | 60 | 781 | 1045 | 27 |
| ## 235 | 3 | 32 | 158 | 105 | 8 | 3 | 32 | 13 | 105 | 128 |
| ## 457 | 5 | 6 | 81 | 2 | 9 | 5 | 6 | 66 | 2 | 0 |
| ## 244 | 4 | 8 | 234 | 0 | 4 | 4 | 8 | 15 | 0 | 217 |
| ## 25 | 0 | 291 | 44 | 42 | 30 | 0 | 291 | 17 | 42 | 0 |
| ## 281 | 1389 | 172 | 748 | 294 | 226 | 266 | 172 | 564 | 294 | 32 |
| ## 119 | 7 | 25 | 527 | 36 | 2 | 7 | 25 | 348 | 36 | 24 |
| ## 400 | 0 | 29 | 1 | 0 | 24 | 0 | 29 | 0 | 0 | 0 |
| ## 481 | 0 | 47 | 20 | 119 | 8 | 0 | 47 | 20 | 119 | 0 |
| ## 180 | 0 | 0 | 22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ## 482 | 143 | 1299 | 415 | 66 | 153 | 63 | 1299 | 188 | 66 | 0 |
| ## 319 | 0 | 1 | 19 | 0 | 9 | 0 | 1 | 0 | 0 | 0 |
| ## 38 | 1 | 28 | 25 | 0 | 0 | 1 | 28 | 22 | 0 | 0 |
| ## 388 | 3 | 8 | 105 | 16 | 0 | 3 | 8 | 39 | 16 | 7 |
| ## 309 | 0 | 9 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 0 |
| ## 78 | 0 | 40 | 21 | 0 | 0 | 0 | 40 | 14 | 0 | 0 |
| ## 7 | 157 | 73 | 348 | 152 | 54 | 157 | 73 | 127 | 152 | 86 |
| ## 12 | 191 | 132 | 113 | 202 | 681 | 150 | 132 | 57 | 202 | 0 |
| ## 211 | 3 | 21 | 16 | 58 | 27 | 3 | 21 | 11 | 58 | 0 |
| ## 167 | 3 | 50 | 56 | 2 | 0 | 3 | 50 | 29 | 2 | 26 |
| ## 377 | 1 | 15 | 125 | 0 | 0 | 1 | 15 | 37 | 0 | 0 |
| ## 332 | 16 | 4 | 204 | 0 | 0 | 16 | 4 | 20 | 0 | 0 |
| ## 144 | 536 | 457 | 889 | 218 | 319 | 501 | 457 | 677 | 218 | 0 |

| | | | | | | | | | | |
|--------|------|------|------|-----|-----|------|------|------|-----|-----|
| ## 260 | 288 | 96 | 1868 | 296 | 165 | 210 | 96 | 723 | 296 | 26 |
| ## 453 | 33 | 17 | 51 | 161 | 87 | 33 | 17 | 5 | 161 | 32 |
| ## 491 | 1 | 13 | 22 | 11 | 13 | 1 | 13 | 6 | 11 | 0 |
| ## 52 | 1 | 1 | 49 | 2 | 9 | 1 | 1 | 17 | 2 | 0 |
| ## 206 | 0 | 20 | 8 | 0 | 0 | 0 | 20 | 2 | 0 | 0 |
| ## 160 | 10 | 0 | 15 | 1 | 22 | 10 | 0 | 15 | 1 | 0 |
| ## 277 | 6 | 41 | 119 | 5 | 20 | 6 | 41 | 8 | 5 | 100 |
| ## 88 | 2285 | 134 | 880 | 28 | 43 | 50 | 134 | 702 | 28 | 78 |
| ## 1 | 0 | 0 | 19 | 1 | 44 | 0 | 0 | 17 | 1 | 0 |
| ## 426 | 10 | 1 | 3 | 2 | 2 | 10 | 1 | 3 | 2 | 0 |
| ## 353 | 25 | 136 | 100 | 11 | 4 | 25 | 136 | 65 | 11 | 35 |
| ## 157 | 8 | 8 | 121 | 108 | 2 | 8 | 8 | 77 | 108 | 10 |
| ## 368 | 289 | 2 | 270 | 74 | 0 | 289 | 2 | 196 | 74 | 0 |
| ## 365 | 133 | 33 | 446 | 146 | 296 | 133 | 33 | 128 | 146 | 40 |
| ## 57 | 6 | 403 | 206 | 86 | 78 | 6 | 403 | 185 | 86 | 7 |
| ## 493 | 2 | 287 | 4 | 0 | 0 | 2 | 287 | 4 | 0 | 0 |
| ## 259 | 10 | 217 | 83 | 10 | 19 | 9 | 217 | 30 | 10 | 30 |
| ## 265 | 41 | 25 | 551 | 149 | 199 | 30 | 25 | 54 | 149 | 81 |
| ## 307 | 0 | 65 | 155 | 0 | 19 | 0 | 65 | 14 | 0 | 66 |
| ## 170 | 7 | 11 | 31 | 4 | 7 | 7 | 11 | 20 | 4 | 0 |
| ## 121 | 2 | 52 | 29 | 0 | 7 | 2 | 52 | 26 | 0 | 0 |
| ## 276 | 4 | 61 | 265 | 13 | 5 | 0 | 61 | 113 | 13 | 124 |
| ## 394 | 0 | 7 | 164 | 6 | 0 | 0 | 7 | 12 | 6 | 74 |
| ## 32 | 16 | 10 | 693 | 94 | 91 | 16 | 10 | 15 | 94 | 0 |
| ## 2 | 21 | 0 | 93 | 0 | 0 | 21 | 0 | 40 | 0 | 0 |
| ## 219 | 0 | 63 | 5 | 0 | 1 | 0 | 63 | 4 | 0 | 0 |
| ## 327 | 3 | 17 | 23 | 0 | 10 | 0 | 17 | 20 | 0 | 0 |
| ## 257 | 1227 | 177 | 1388 | 653 | 400 | 380 | 177 | 722 | 653 | 372 |
| ## 227 | 0 | 60 | 31 | 0 | 0 | 0 | 60 | 18 | 0 | 0 |
| ## 195 | 6 | 48 | 144 | 7 | 0 | 6 | 48 | 104 | 7 | 8 |
| ## 59 | 0 | 0 | 18 | 0 | 0 | 0 | 0 | 15 | 0 | 0 |
| ## 497 | 0 | 6 | 0 | 0 | 8 | 0 | 6 | 0 | 0 | 0 |
| ## 311 | 18 | 105 | 242 | 139 | 55 | 18 | 105 | 228 | 139 | 0 |
| ## 363 | 237 | 42 | 29 | 3 | 16 | 14 | 42 | 29 | 3 | 0 |
| ## 46 | 5 | 41 | 32 | 1 | 19 | 5 | 41 | 9 | 1 | 0 |
| ## 490 | 72 | 0 | 33 | 50 | 4 | 72 | 0 | 10 | 50 | 0 |
| ## 286 | 42 | 1012 | 28 | 13 | 195 | 7 | 1012 | 28 | 13 | 0 |
| ## 256 | 807 | 209 | 1788 | 247 | 330 | 807 | 209 | 1198 | 247 | 54 |
| ## 41 | 1 | 15 | 10 | 0 | 24 | 1 | 15 | 9 | 0 | 0 |
| ## 462 | 2 | 223 | 126 | 3 | 0 | 2 | 223 | 123 | 3 | 0 |
| ## 110 | 294 | 99 | 51 | 149 | 109 | 84 | 99 | 29 | 149 | 0 |
| ## 249 | 0 | 58 | 0 | 0 | 7 | 0 | 58 | 0 | 0 | 0 |
| ## 185 | 24 | 20 | 167 | 180 | 23 | 24 | 20 | 65 | 180 | 98 |
| ## 150 | 32 | 4 | 371 | 338 | 119 | 32 | 4 | 145 | 338 | 0 |
| ## 331 | 0 | 279 | 114 | 0 | 3 | 0 | 279 | 60 | 0 | 19 |
| ## 271 | 11 | 10 | 1 | 9 | 5 | 0 | 10 | 0 | 9 | 0 |
| ## 268 | 0 | 0 | 49 | 13 | 0 | 0 | 0 | 3 | 13 | 0 |
| ## 463 | 0 | 1 | 119 | 0 | 7 | 0 | 1 | 5 | 0 | 102 |
| ## 495 | 0 | 65 | 151 | 16 | 4 | 0 | 65 | 30 | 16 | 111 |
| ## 362 | 9 | 5 | 57 | 4 | 102 | 9 | 5 | 19 | 4 | 0 |
| ## 460 | 2240 | 672 | 3682 | 123 | 264 | 2240 | 672 | 3589 | 123 | 1 |
| ## 330 | 0 | 45 | 16 | 3 | 0 | 0 | 45 | 7 | 3 | 0 |
| ## 231 | 0 | 0 | 34 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ## 19 | 10 | 219 | 53 | 0 | 29 | 10 | 219 | 45 | 0 | 0 |

| | | | | | | | | | | |
|--------|------|------|------|------|------|------|------|------|------|-----|
| ## 142 | 3 | 38 | 57 | 4 | 7 | 3 | 38 | 18 | 4 | 38 |
| ## 472 | 5 | 399 | 53 | 7 | 26 | 5 | 399 | 32 | 7 | 0 |
| ## 279 | 38 | 121 | 141 | 64 | 88 | 38 | 121 | 78 | 64 | 4 |
| ## 295 | 25 | 179 | 31 | 13 | 13 | 15 | 179 | 21 | 13 | 3 |
| ## 148 | 0 | 5 | 16 | 0 | 4 | 0 | 5 | 16 | 0 | 0 |
| ## 99 | 2 | 63 | 54 | 0 | 25 | 2 | 63 | 43 | 0 | 0 |
| ## 373 | 0 | 3 | 122 | 37 | 0 | 0 | 3 | 4 | 37 | 0 |
| ## 312 | 3 | 13 | 52 | 0 | 0 | 3 | 13 | 12 | 0 | 0 |
| ## 393 | 0 | 14 | 3 | 7 | 0 | 0 | 14 | 3 | 7 | 0 |
| ## 173 | 41 | 2 | 59 | 45 | 144 | 41 | 2 | 28 | 45 | 12 |
| ## 162 | 7 | 85 | 33 | 53 | 0 | 7 | 85 | 27 | 53 | 0 |
| ## 374 | 15 | 25 | 18 | 29 | 14 | 15 | 25 | 7 | 29 | 0 |
| ## 76 | 262 | 38 | 252 | 116 | 37 | 88 | 38 | 57 | 116 | 156 |
| ## 500 | 5 | 3 | 414 | 10 | 15 | 5 | 3 | 52 | 10 | 6 |
| ## 216 | 171 | 201 | 90 | 661 | 1029 | 81 | 201 | 63 | 661 | 19 |
| ## 411 | 5935 | 2538 | 7378 | 1449 | 344 | 5707 | 2538 | 6638 | 1449 | 6 |
| ## 230 | 35 | 405 | 387 | 100 | 46 | 35 | 405 | 111 | 100 | 0 |
| ## 16 | 0 | 73 | 43 | 0 | 0 | 0 | 73 | 1 | 0 | 41 |
| ## 222 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ## 8 | 1 | 2 | 30 | 1 | 0 | 1 | 2 | 2 | 1 | 0 |
| ## 340 | 37 | 30 | 110 | 31 | 130 | 30 | 30 | 46 | 31 | 0 |
| ## 22 | 0 | 90 | 21 | 23 | 17 | 0 | 90 | 15 | 23 | 0 |
| ## 128 | 73 | 795 | 682 | 466 | 152 | 73 | 795 | 351 | 466 | 30 |
| ## 469 | 552 | 40 | 425 | 395 | 127 | 24 | 40 | 160 | 395 | 95 |
| ## 109 | 42 | 10 | 68 | 22 | 3 | 42 | 10 | 51 | 22 | 0 |
| ## 50 | 0 | 58 | 12 | 2 | 0 | 0 | 58 | 9 | 2 | 0 |
| ## 69 | 21 | 6 | 250 | 0 | 346 | 21 | 6 | 83 | 0 | 0 |
| ## 403 | 0 | 38 | 100 | 1 | 0 | 0 | 38 | 100 | 1 | 0 |
| ## 442 | 2 | 29 | 38 | 14 | 17 | 2 | 29 | 31 | 14 | 0 |
| ## 143 | 2014 | 1988 | 305 | 669 | 65 | 2014 | 1988 | 128 | 669 | 64 |
| ## 168 | 0 | 5 | 0 | 0 | 22 | 0 | 5 | 0 | 0 | 0 |
| ## 360 | 0 | 0 | 152 | 0 | 22 | 0 | 0 | 152 | 0 | 0 |
| ## 20 | 479 | 45 | 555 | 4 | 48 | 6 | 45 | 192 | 4 | 0 |
| ## 440 | 45 | 64 | 65 | 50 | 14 | 10 | 64 | 62 | 50 | 3 |
| ## 451 | 73 | 41 | 296 | 68 | 517 | 73 | 41 | 264 | 68 | 0 |
| ## 196 | 0 | 34 | 15 | 0 | 6 | 0 | 34 | 9 | 0 | 0 |
| ## 27 | 0 | 53 | 20 | 1 | 15 | 0 | 53 | 11 | 1 | 0 |
| ## 134 | 8 | 4 | 32 | 0 | 28 | 8 | 4 | 32 | 0 | 0 |
| ## 494 | 11 | 31 | 995 | 19 | 20 | 11 | 31 | 12 | 19 | 964 |
| ## 205 | 57 | 78 | 505 | 408 | 191 | 57 | 78 | 187 | 408 | 0 |
| ## 294 | 2 | 0 | 41 | 0 | 0 | 2 | 0 | 0 | 0 | 0 |
| ## 123 | 617 | 143 | 551 | 165 | 98 | 231 | 143 | 186 | 165 | 0 |
| ## 253 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ## 466 | 0 | 6 | 15 | 0 | 0 | 0 | 6 | 15 | 0 | 0 |
| ## 139 | 88 | 14 | 360 | 494 | 806 | 88 | 14 | 160 | 494 | 0 |
| ## 95 | 13 | 5 | 58 | 0 | 1 | 0 | 5 | 7 | 0 | 51 |
| ## 369 | 14 | 113 | 22 | 34 | 5 | 14 | 113 | 22 | 34 | 0 |
| ## 127 | 15 | 67 | 71 | 0 | 5 | 15 | 67 | 31 | 0 | 20 |
| ## 484 | 19 | 34 | 35 | 0 | 1 | 19 | 34 | 34 | 0 | 0 |
| ## 450 | 10 | 2 | 5 | 0 | 24 | 4 | 2 | 3 | 0 | 0 |
| ## 72 | 5 | 144 | 136 | 133 | 73 | 5 | 144 | 51 | 133 | 14 |
| ## 204 | 0 | 28 | 4 | 0 | 0 | 0 | 28 | 4 | 0 | 0 |
| ## 301 | 309 | 38 | 32 | 120 | 34 | 47 | 38 | 29 | 120 | 3 |
| ## 465 | 130 | 371 | 270 | 106 | 118 | 130 | 371 | 93 | 106 | 0 |

| | | | | | | | | | | |
|--------|---------|--------|-------------|-------------|------------|--------------|-------------|------|-----|-----|
| ## 339 | 21 | 76 | 40 | 16 | 156 | 17 | 76 | 25 | 16 | 0 |
| ## 328 | 6 | 0 | 266 | 4 | 0 | 6 | 0 | 0 | 4 | 0 |
| ## 299 | 2 | 0 | 192 | 0 | 2 | 2 | 0 | 2 | 0 | 7 |
| ## 349 | 81 | 0 | 16 | 0 | 3 | 81 | 0 | 16 | 0 | 0 |
| ## 399 | 22 | 43 | 59 | 45 | 3 | 22 | 43 | 0 | 45 | 59 |
| ## 92 | 0 | 30 | 0 | 0 | 0 | 0 | 30 | 0 | 0 | 0 |
| ## 467 | 0 | 18 | 11 | 0 | 2 | 0 | 18 | 1 | 0 | 0 |
| ## 352 | 0 | 0 | 5 | 0 | 97 | 0 | 0 | 4 | 0 | 0 |
| ## 232 | 181 | 66 | 68 | 33 | 31 | 47 | 66 | 36 | 33 | 0 |
| ## 13 | 0 | 28 | 26 | 0 | 1 | 0 | 28 | 26 | 0 | 0 |
| ## 104 | 22 | 31 | 47 | 0 | 0 | 22 | 31 | 9 | 0 | 0 |
| ## 80 | 4 | 189 | 45 | 21 | 0 | 0 | 189 | 43 | 21 | 0 |
| ## 131 | 60 | 74 | 55 | 263 | 35 | 60 | 74 | 52 | 263 | 0 |
| ## 376 | 25 | 133 | 430 | 568 | 79 | 25 | 133 | 90 | 568 | 60 |
| ## 166 | 25 | 141 | 138 | 7 | 25 | 3 | 141 | 3 | 7 | 121 |
| ## 478 | 120 | 11 | 147 | 209 | 279 | 120 | 11 | 140 | 209 | 1 |
| ## 264 | 161 | 385 | 528 | 106 | 32 | 161 | 385 | 369 | 106 | 27 |
| ## 254 | 147 | 970 | 305 | 400 | 150 | 147 | 970 | 240 | 400 | 4 |
| ## 129 | 1 | 4 | 25 | 0 | 14 | 1 | 4 | 12 | 0 | 4 |
| ## 292 | 40 | 96 | 188 | 128 | 64 | 40 | 96 | 112 | 128 | 2 |
| ## 430 | 6 | 0 | 30 | 59 | 21 | 6 | 0 | 30 | 59 | 0 |
| ## 130 | 56 | 29 | 83 | 0 | 0 | 56 | 29 | 31 | 0 | 0 |
| ## 183 | 7 | 7 | 40 | 17 | 5 | 7 | 7 | 26 | 17 | 6 |
| ## 325 | 57 | 93 | 262 | 156 | 92 | 56 | 93 | 184 | 156 | 0 |
| ## 280 | 85 | 48 | 493 | 0 | 3 | 85 | 48 | 207 | 0 | 0 |
| ## 420 | 5 | 297 | 45 | 0 | 33 | 5 | 297 | 17 | 0 | 0 |
| ## 18 | 82 | 0 | 218 | 110 | 54 | 82 | 0 | 2 | 110 | 216 |
| ## 74 | 7 | 6 | 6 | 0 | 0 | 7 | 6 | 2 | 0 | 0 |
| ## 153 | 125 | 222 | 486 | 185 | 187 | 22 | 222 | 48 | 185 | 342 |
| ## 447 | 39 | 15 | 54 | 41 | 211 | 39 | 15 | 47 | 41 | 0 |
| ## 172 | 4 | 0 | 166 | 142 | 32 | 4 | 0 | 38 | 142 | 0 |
| ## 79 | 18 | 106 | 301 | 42 | 40 | 18 | 106 | 13 | 42 | 0 |
| ## 344 | 777 | 3 | 119 | 0 | 63 | 0 | 3 | 0 | 0 | 95 |
| ## 354 | 0 | 0 | 6 | 0 | 8 | 0 | 0 | 2 | 0 | 0 |
| ## 225 | 118 | 14 | 513 | 19 | 50 | 1 | 14 | 60 | 19 | 443 |
| ## 239 | 23 | 88 | 713 | 125 | 68 | 23 | 88 | 173 | 125 | 1 |
| ## 220 | 0 | 0 | 14 | 0 | 23 | 0 | 0 | 0 | 0 | 13 |
| ## 94 | 2 | 148 | 47 | 5 | 11 | 0 | 148 | 4 | 5 | 40 |
| ## 288 | 22 | 33 | 222 | 208 | 40 | 22 | 33 | 118 | 208 | 9 |
| ## 62 | 23 | 1606 | 155 | 0 | 0 | 23 | 1606 | 155 | 0 | 0 |
| ## 251 | 4 | 23 | 125 | 6 | 9 | 4 | 23 | 40 | 6 | 45 |
| ## 389 | 0 | 2 | 17 | 0 | 0 | 0 | 2 | 0 | 0 | 0 |
| ## 382 | 67 | 896 | 53 | 31 | 85 | 67 | 896 | 53 | 31 | 0 |
| ## 246 | 3 | 8 | 56 | 0 | 0 | 3 | 8 | 40 | 0 | 0 |
| ## 425 | 4 | 161 | 25 | 0 | 24 | 4 | 161 | 11 | 0 | 1 |
| ## 174 | 0 | 0 | 9 | 4 | 37 | 0 | 0 | 2 | 4 | 0 |
| ## 296 | 7 | 0 | 12 | 22 | 3 | 7 | 0 | 0 | 22 | 0 |
| ## 461 | 13 | 30 | 58 | 235 | 2 | 13 | 30 | 50 | 235 | 7 |
| ## 367 | 10 | 439 | 169 | 37 | 53 | 10 | 439 | 94 | 37 | 60 |
| ## 48 | 13 | 3 | 239 | 57 | 345 | 13 | 3 | 1 | 57 | 0 |
| ## 408 | 40 | 560 | 803 | 11 | 0 | 27 | 560 | 785 | 11 | 0 |
| ## 218 | 51 | 562 | 2556 | 209 | 67 | 51 | 562 | 2123 | 209 | 408 |
| ## | E8_Hlth | E8_Pub | E_LowWageWk | E_MedWageWk | E_HiWageWk | E_PctLowWage | | | | D1A |
| ## 429 | 315 | 0 | 137 | 139 | 80 | 0.38483146 | 0.082389165 | | | |

| | | | | | | | |
|--------|------|----|------|------|------|------------|--------------|
| ## 297 | 2 | 0 | 64 | 52 | 52 | 0.38095238 | 2.641937923 |
| ## 221 | 0 | 0 | 162 | 496 | 661 | 0.12282032 | 0.885510156 |
| ## 83 | 19 | 0 | 72 | 57 | 33 | 0.44444444 | 4.035411882 |
| ## 431 | 0 | 0 | 8 | 9 | 12 | 0.27586207 | 0.331818207 |
| ## 284 | 39 | 0 | 29 | 41 | 102 | 0.16860465 | 0.699986709 |
| ## 159 | 14 | 0 | 45 | 103 | 102 | 0.18000000 | 25.715017620 |
| ## 263 | 8 | 0 | 15 | 20 | 133 | 0.08928571 | 0.089159404 |
| ## 435 | 1084 | 0 | 616 | 913 | 704 | 0.27586207 | 1.590351852 |
| ## 302 | 0 | 0 | 31 | 65 | 45 | 0.21985816 | 0.033901537 |
| ## 485 | 8 | 0 | 55 | 64 | 47 | 0.33132530 | 3.292311436 |
| ## 250 | 0 | 0 | 10 | 20 | 14 | 0.22727273 | 0.110200106 |
| ## 410 | 0 | 0 | 11 | 14 | 5 | 0.36666667 | 11.654505000 |
| ## 445 | 21 | 0 | 13 | 42 | 14 | 0.18840580 | 24.479431850 |
| ## 63 | 3 | 32 | 71 | 69 | 95 | 0.30212766 | 2.032033610 |
| ## 247 | 0 | 0 | 46 | 102 | 155 | 0.15181518 | 4.693589238 |
| ## 415 | 4 | 0 | 22 | 26 | 37 | 0.25882353 | 2.376966919 |
| ## 194 | 288 | 0 | 1280 | 742 | 336 | 0.54283291 | 2.614854059 |
| ## 390 | 2 | 0 | 184 | 229 | 246 | 0.27921093 | 0.132427668 |
| ## 191 | 381 | 0 | 310 | 418 | 426 | 0.26863085 | 1.910018258 |
| ## 477 | 74 | 0 | 102 | 78 | 82 | 0.38931298 | 2.972779251 |
| ## 468 | 18 | 0 | 150 | 112 | 39 | 0.49833887 | 5.403815810 |
| ## 70 | 12 | 0 | 7 | 5 | 3 | 0.46666667 | 1.738461204 |
| ## 229 | 5 | 0 | 21 | 22 | 6 | 0.42857143 | 3.677335389 |
| ## 97 | 20 | 0 | 631 | 827 | 1426 | 0.21879334 | 2.889381046 |
| ## 112 | 0 | 0 | 11 | 15 | 54 | 0.13750000 | 6.346079666 |
| ## 458 | 0 | 0 | 18 | 8 | 4 | 0.60000000 | 0.051438435 |
| ## 126 | 28 | 0 | 39 | 34 | 20 | 0.41935484 | 3.640436689 |
| ## 434 | 68 | 0 | 58 | 82 | 46 | 0.31182796 | 3.960686066 |
| ## 372 | 4 | 0 | 61 | 36 | 33 | 0.46923077 | 0.177144833 |
| ## 171 | 0 | 0 | 0 | 0 | 0 | 0.00000000 | 0.015791692 |
| ## 455 | 0 | 0 | 298 | 637 | 687 | 0.18372380 | 0.136066832 |
| ## 432 | 0 | 4 | 172 | 183 | 136 | 0.35030550 | 3.007108052 |
| ## 437 | 22 | 0 | 12 | 15 | 7 | 0.35294118 | 4.105129458 |
| ## 215 | 6 | 0 | 188 | 117 | 48 | 0.53257790 | 2.333313207 |
| ## 441 | 4 | 0 | 13 | 15 | 96 | 0.10483871 | 2.991937521 |
| ## 213 | 12 | 0 | 22 | 35 | 68 | 0.17600000 | 4.980377517 |
| ## 118 | 86 | 0 | 142 | 189 | 258 | 0.24108659 | 3.139685515 |
| ## 456 | 2 | 0 | 10 | 8 | 0 | 0.55555556 | 15.755623970 |
| ## 58 | 30 | 0 | 403 | 1787 | 899 | 0.13046293 | 0.143696642 |
| ## 379 | 2 | 0 | 27 | 180 | 57 | 0.10227273 | 17.124022570 |
| ## 407 | 2 | 0 | 95 | 122 | 75 | 0.32534247 | 1.507037819 |
| ## 422 | 14 | 0 | 11 | 12 | 7 | 0.36666667 | 4.863455536 |
| ## 351 | 0 | 0 | 6 | 15 | 0 | 0.28571429 | 4.533516371 |
| ## 452 | 0 | 0 | 73 | 164 | 59 | 0.24662162 | 1.979071026 |
| ## 366 | 19 | 0 | 47 | 40 | 55 | 0.33098592 | 1.529832532 |
| ## 397 | 458 | 0 | 247 | 346 | 321 | 0.27024070 | 0.277217272 |
| ## 201 | 33 | 0 | 110 | 134 | 107 | 0.31339031 | 0.081951927 |
| ## 10 | 63 | 0 | 38 | 42 | 19 | 0.38383838 | 4.291170533 |
| ## 480 | 5 | 22 | 15 | 23 | 18 | 0.26785714 | 0.018157464 |
| ## 446 | 0 | 0 | 19 | 39 | 38 | 0.19791667 | 2.423393352 |
| ## 82 | 10 | 0 | 11 | 16 | 11 | 0.28947368 | 1.075500796 |
| ## 151 | 61 | 0 | 51 | 27 | 14 | 0.55434783 | 2.655822297 |
| ## 236 | 0 | 0 | 55 | 105 | 70 | 0.23913044 | 0.219522632 |
| ## 237 | 30 | 0 | 274 | 301 | 275 | 0.32235294 | 11.633610680 |

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|--------|-----|----|-----|------|------|------------|--------------|
| ## 479 | 7 | 0 | 92 | 88 | 158 | 0.27218935 | 0.020080613 |
| ## 383 | 3 | 0 | 13 | 34 | 55 | 0.12745098 | 0.056324926 |
| ## 75 | 47 | 0 | 180 | 281 | 331 | 0.22727273 | 3.482175474 |
| ## 350 | 6 | 14 | 79 | 181 | 99 | 0.22005571 | 0.027517951 |
| ## 310 | 20 | 0 | 193 | 225 | 130 | 0.35218978 | 5.685372149 |
| ## 475 | 448 | 0 | 42 | 195 | 237 | 0.08860759 | 2.039989614 |
| ## 101 | 889 | 0 | 500 | 672 | 458 | 0.30674847 | 1.265361505 |
| ## 65 | 901 | 14 | 349 | 693 | 415 | 0.23953329 | 0.168961667 |
| ## 291 | 131 | 0 | 178 | 256 | 519 | 0.18677859 | 1.078671320 |
| ## 199 | 0 | 0 | 12 | 26 | 32 | 0.17142857 | 0.126926628 |
| ## 436 | 16 | 0 | 366 | 452 | 393 | 0.30222956 | 1.558573589 |
| ## 387 | 159 | 0 | 98 | 206 | 233 | 0.18249535 | 2.862548800 |
| ## 100 | 4 | 0 | 102 | 88 | 230 | 0.24285714 | 1.603541290 |
| ## 334 | 4 | 0 | 23 | 11 | 22 | 0.41071429 | 2.738702869 |
| ## 439 | 31 | 0 | 64 | 53 | 22 | 0.46043165 | 12.328970930 |
| ## 87 | 21 | 0 | 184 | 186 | 79 | 0.40979955 | 2.515061791 |
| ## 333 | 12 | 0 | 52 | 110 | 166 | 0.15853659 | 5.176025894 |
| ## 184 | 45 | 0 | 294 | 299 | 204 | 0.36888331 | 1.719291998 |
| ## 186 | 139 | 0 | 199 | 182 | 141 | 0.38122605 | 15.547322530 |
| ## 49 | 0 | 1 | 13 | 12 | 11 | 0.36111111 | 0.005327858 |
| ## 357 | 1 | 0 | 0 | 5 | 2 | 0.00000000 | 6.623493347 |
| ## 224 | 0 | 0 | 1 | 0 | 0 | 1.00000000 | 2.231434172 |
| ## 486 | 23 | 0 | 175 | 289 | 244 | 0.24717514 | 0.199659220 |
| ## 164 | 107 | 0 | 333 | 1210 | 2115 | 0.09103335 | 0.746410156 |
| ## 226 | 0 | 0 | 46 | 34 | 13 | 0.49462366 | 1.701836602 |
| ## 404 | 17 | 0 | 43 | 28 | 20 | 0.47252747 | 2.439915298 |
| ## 272 | 8 | 0 | 27 | 25 | 67 | 0.22689076 | 4.185236857 |
| ## 238 | 47 | 4 | 111 | 74 | 36 | 0.50226244 | 0.055329369 |
| ## 140 | 128 | 10 | 769 | 607 | 740 | 0.36342155 | 0.016139940 |
| ## 31 | 55 | 0 | 440 | 869 | 613 | 0.22892820 | 0.607371653 |
| ## 313 | 0 | 14 | 36 | 25 | 5 | 0.54545455 | 0.020253254 |
| ## 359 | 9 | 5 | 122 | 122 | 152 | 0.30808081 | 0.237978865 |
| ## 181 | 12 | 0 | 25 | 65 | 27 | 0.21367521 | 0.018557070 |
| ## 90 | 89 | 0 | 95 | 137 | 232 | 0.20474138 | 22.285779070 |
| ## 444 | 21 | 0 | 45 | 96 | 197 | 0.13313610 | 3.633654912 |
| ## 85 | 35 | 10 | 581 | 573 | 2163 | 0.17515828 | 0.324135358 |
| ## 187 | 61 | 0 | 33 | 59 | 67 | 0.20754717 | 1.069356911 |
| ## 30 | 18 | 45 | 238 | 344 | 726 | 0.18195719 | 0.236462995 |
| ## 304 | 134 | 0 | 99 | 119 | 46 | 0.37500000 | 1.214197488 |
| ## 202 | 2 | 0 | 5 | 5 | 5 | 0.33333333 | 0.347201853 |
| ## 37 | 0 | 0 | 27 | 14 | 1 | 0.64285714 | 0.030960965 |
| ## 287 | 55 | 0 | 192 | 199 | 77 | 0.41025641 | 3.586699171 |
| ## 471 | 0 | 0 | 37 | 50 | 79 | 0.22289157 | 2.904170764 |
| ## 314 | 73 | 0 | 224 | 288 | 91 | 0.37147595 | 1.903233287 |
| ## 36 | 19 | 0 | 27 | 20 | 5 | 0.51923077 | 18.181436110 |
| ## 5 | 0 | 2 | 9 | 21 | 19 | 0.18367347 | 0.007497708 |
| ## 108 | 11 | 0 | 50 | 100 | 75 | 0.22222222 | 1.416712291 |
| ## 47 | 0 | 49 | 11 | 15 | 40 | 0.16666667 | 0.411594806 |
| ## 89 | 0 | 0 | 4 | 11 | 2 | 0.23529412 | 5.390061029 |
| ## 454 | 14 | 0 | 22 | 23 | 1 | 0.47826087 | 0.061093737 |
| ## 336 | 0 | 0 | 48 | 23 | 10 | 0.59259259 | 4.898947884 |
| ## 252 | 0 | 2 | 15 | 39 | 18 | 0.20833333 | 0.122356630 |
| ## 464 | 21 | 0 | 104 | 69 | 92 | 0.39245283 | 9.634916883 |
| ## 212 | 97 | 9 | 166 | 189 | 177 | 0.31203008 | 0.062791547 |

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|--------|-----|-----|------|------|------|------------|--------------|
| ## 233 | 13 | 0 | 602 | 471 | 537 | 0.37391304 | 4.079024840 |
| ## 428 | 0 | 0 | 14 | 57 | 96 | 0.08383233 | 3.386000352 |
| ## 154 | 0 | 0 | 11 | 20 | 10 | 0.26829268 | 0.035723785 |
| ## 40 | 31 | 0 | 642 | 1022 | 1585 | 0.19759926 | 3.003412754 |
| ## 356 | 0 | 0 | 36 | 60 | 39 | 0.26666667 | 0.054350556 |
| ## 473 | 164 | 0 | 37 | 88 | 57 | 0.20329670 | 2.655483524 |
| ## 133 | 316 | 0 | 1012 | 1156 | 2021 | 0.24158510 | 5.108946800 |
| ## 152 | 96 | 0 | 81 | 136 | 38 | 0.31764706 | 26.655393440 |
| ## 4 | 84 | 0 | 40 | 39 | 53 | 0.30303030 | 0.017194184 |
| ## 56 | 1 | 0 | 17 | 35 | 25 | 0.22077922 | 0.323817773 |
| ## 384 | 53 | 0 | 148 | 99 | 97 | 0.43023256 | 1.465988617 |
| ## 145 | 5 | 0 | 4 | 4 | 3 | 0.36363636 | 0.029268538 |
| ## 234 | 18 | 0 | 211 | 255 | 125 | 0.35702200 | 1.023938420 |
| ## 361 | 2 | 0 | 8 | 19 | 5 | 0.25000000 | 13.568583260 |
| ## 348 | 0 | 0 | 5 | 5 | 2 | 0.41666667 | 2.416201048 |
| ## 197 | 187 | 0 | 35 | 107 | 147 | 0.12110727 | 1.279997355 |
| ## 136 | 4 | 0 | 6 | 18 | 26 | 0.12000000 | 19.185708260 |
| ## 192 | 277 | 0 | 83 | 144 | 55 | 0.29432624 | 4.488718337 |
| ## 258 | 0 | 0 | 90 | 185 | 332 | 0.14827018 | 0.014045515 |
| ## 61 | 3 | 0 | 3 | 8 | 15 | 0.11538461 | 2.968859631 |
| ## 240 | 13 | 0 | 105 | 149 | 67 | 0.32710280 | 7.228242941 |
| ## 293 | 0 | 0 | 6 | 15 | 7 | 0.21428571 | 2.853211676 |
| ## 255 | 0 | 0 | 5 | 6 | 0 | 0.45454545 | 0.023241223 |
| ## 245 | 5 | 0 | 45 | 27 | 9 | 0.55555556 | 0.957058178 |
| ## 77 | 8 | 0 | 279 | 161 | 37 | 0.58490566 | 5.285317631 |
| ## 156 | 1 | 0 | 6 | 1 | 14 | 0.28571429 | 0.453597958 |
| ## 43 | 14 | 0 | 25 | 12 | 58 | 0.26315789 | 3.944753021 |
| ## 474 | 9 | 33 | 43 | 77 | 43 | 0.26380368 | 0.190773248 |
| ## 449 | 0 | 0 | 0 | 0 | 0 | 0.00000000 | 0.860281704 |
| ## 214 | 0 | 0 | 3 | 6 | 0 | 0.33333333 | 1.568855537 |
| ## 91 | 7 | 0 | 7 | 1 | 0 | 0.87500000 | 5.515468145 |
| ## 285 | 0 | 0 | 10 | 5 | 13 | 0.35714286 | 0.089177658 |
| ## 364 | 5 | 0 | 14 | 12 | 21 | 0.29787234 | 5.097545367 |
| ## 178 | 0 | 0 | 13 | 49 | 31 | 0.13978495 | 0.016868485 |
| ## 93 | 69 | 0 | 28 | 54 | 33 | 0.24347826 | 2.182060822 |
| ## 84 | 31 | 0 | 14 | 15 | 4 | 0.42424242 | 22.714803180 |
| ## 146 | 12 | 0 | 21 | 31 | 52 | 0.20192308 | 1.738615715 |
| ## 64 | 2 | 0 | 4 | 8 | 32 | 0.09090909 | 1.600430641 |
| ## 326 | 85 | 0 | 120 | 255 | 298 | 0.17830609 | 9.517499664 |
| ## 273 | 0 | 0 | 7 | 4 | 1 | 0.58333333 | 0.055806242 |
| ## 355 | 226 | 0 | 67 | 147 | 60 | 0.24452555 | 2.857142968 |
| ## 228 | 236 | 0 | 153 | 185 | 105 | 0.34537246 | 0.447952878 |
| ## 117 | 8 | 0 | 4 | 32 | 38 | 0.05405405 | 0.861465363 |
| ## 29 | 35 | 318 | 130 | 282 | 197 | 0.21346470 | 0.029936490 |
| ## 45 | 1 | 0 | 23 | 41 | 112 | 0.13068182 | 7.357143635 |
| ## 176 | 1 | 0 | 58 | 19 | 20 | 0.59793814 | 0.977634749 |
| ## 198 | 8 | 0 | 12 | 43 | 5 | 0.20000000 | 5.923126327 |
| ## 488 | 99 | 0 | 26 | 100 | 62 | 0.13829787 | 0.140654960 |
| ## 35 | 27 | 0 | 29 | 22 | 24 | 0.38666667 | 0.824638593 |
| ## 54 | 161 | 0 | 31 | 98 | 41 | 0.18235294 | 1.857498805 |
| ## 208 | 0 | 0 | 0 | 0 | 0 | 0.00000000 | 5.212950114 |
| ## 402 | 40 | 2 | 52 | 84 | 55 | 0.27225131 | 0.011340989 |
| ## 417 | 3 | 0 | 3 | 0 | 0 | 1.00000000 | 3.047047025 |
| ## 345 | 39 | 0 | 321 | 306 | 363 | 0.32424242 | 1.271291325 |

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|--------|-----|-----|-----|-----|------|------------|--------------|
| ## 60 | 35 | 0 | 431 | 405 | 257 | 0.39432754 | 4.500224364 |
| ## 105 | 20 | 0 | 36 | 27 | 34 | 0.37113402 | 0.449155821 |
| ## 283 | 0 | 0 | 24 | 155 | 474 | 0.03675345 | 0.000000000 |
| ## 210 | 63 | 0 | 54 | 83 | 70 | 0.26086957 | 0.468356538 |
| ## 207 | 0 | 0 | 4 | 25 | 160 | 0.02116402 | 30.945899190 |
| ## 487 | 55 | 0 | 60 | 156 | 110 | 0.18404908 | 5.068766507 |
| ## 33 | 0 | 0 | 914 | 722 | 676 | 0.39532872 | 0.721411228 |
| ## 267 | 8 | 0 | 132 | 60 | 20 | 0.62264151 | 4.457353890 |
| ## 163 | 0 | 0 | 2 | 3 | 4 | 0.22222222 | 2.332560121 |
| ## 81 | 138 | 0 | 196 | 96 | 64 | 0.55056180 | 2.618210534 |
| ## 223 | 49 | 0 | 55 | 44 | 29 | 0.42968750 | 3.088358125 |
| ## 386 | 0 | 7 | 38 | 95 | 225 | 0.10614525 | 0.071058619 |
| ## 343 | 9 | 0 | 96 | 48 | 39 | 0.52459016 | 1.364907842 |
| ## 137 | 131 | 0 | 160 | 196 | 417 | 0.20698577 | 55.381400420 |
| ## 483 | 11 | 0 | 10 | 11 | 6 | 0.37037037 | 15.844588390 |
| ## 71 | 195 | 0 | 130 | 127 | 18 | 0.47272727 | 0.146462605 |
| ## 358 | 2 | 0 | 101 | 320 | 69 | 0.20612245 | 1.138147988 |
| ## 323 | 5 | 0 | 4 | 4 | 0 | 0.50000000 | 2.589541143 |
| ## 385 | 0 | 0 | 13 | 40 | 32 | 0.15294118 | 0.031719813 |
| ## 261 | 0 | 0 | 9 | 18 | 20 | 0.19148936 | 2.222915549 |
| ## 17 | 29 | 0 | 140 | 194 | 79 | 0.33898305 | 3.526040470 |
| ## 275 | 125 | 0 | 12 | 32 | 88 | 0.09090909 | 4.506849641 |
| ## 338 | 9 | 0 | 47 | 157 | 139 | 0.13702624 | 1.836553262 |
| ## 315 | 45 | 0 | 325 | 207 | 309 | 0.38644471 | 0.362367985 |
| ## 189 | 0 | 0 | 3 | 3 | 1 | 0.42857143 | 5.443384909 |
| ## 243 | 76 | 0 | 132 | 325 | 480 | 0.14087513 | 3.383725517 |
| ## 179 | 16 | 0 | 18 | 54 | 52 | 0.14516129 | 69.093185230 |
| ## 107 | 0 | 0 | 10 | 10 | 0 | 0.50000000 | 3.504296164 |
| ## 305 | 75 | 545 | 167 | 373 | 265 | 0.20745342 | 8.496695473 |
| ## 248 | 21 | 0 | 96 | 106 | 83 | 0.33684211 | 0.507999672 |
| ## 419 | 356 | 0 | 388 | 600 | 1315 | 0.16847590 | 5.928806357 |
| ## 395 | 3 | 0 | 28 | 17 | 46 | 0.30769231 | 77.091456410 |
| ## 496 | 18 | 0 | 15 | 4 | 0 | 0.78947368 | 0.065795130 |
| ## 86 | 46 | 0 | 71 | 170 | 172 | 0.17191283 | 5.316653568 |
| ## 438 | 31 | 0 | 84 | 63 | 15 | 0.51851852 | 3.684044618 |
| ## 282 | 0 | 9 | 52 | 112 | 72 | 0.22033898 | 0.042349570 |
| ## 23 | 364 | 0 | 133 | 179 | 293 | 0.21983471 | 1.842460602 |
| ## 321 | 1 | 0 | 72 | 66 | 77 | 0.33488372 | 5.785609197 |
| ## 406 | 2 | 0 | 46 | 133 | 70 | 0.18473896 | 0.025722868 |
| ## 51 | 2 | 0 | 91 | 67 | 35 | 0.47150259 | 3.597391550 |
| ## 55 | 0 | 0 | 70 | 32 | 5 | 0.65420561 | 1.554134294 |
| ## 106 | 0 | 0 | 10 | 25 | 31 | 0.15151515 | 0.239600356 |
| ## 427 | 69 | 0 | 10 | 45 | 22 | 0.12987013 | 2.115729207 |
| ## 290 | 28 | 0 | 161 | 99 | 57 | 0.50788643 | 2.970101168 |
| ## 324 | 1 | 0 | 83 | 61 | 16 | 0.51875000 | 15.606735820 |
| ## 15 | 1 | 0 | 12 | 28 | 16 | 0.21428571 | 13.371350710 |
| ## 303 | 1 | 0 | 0 | 0 | 1 | 0.00000000 | 9.890373884 |
| ## 169 | 185 | 0 | 31 | 83 | 159 | 0.11355311 | 3.681573122 |
| ## 116 | 143 | 161 | 297 | 327 | 321 | 0.31428571 | 0.269891028 |
| ## 102 | 0 | 1 | 23 | 35 | 12 | 0.32857143 | 0.001814218 |
| ## 262 | 1 | 0 | 240 | 149 | 85 | 0.50632911 | 1.353256408 |
| ## 448 | 47 | 0 | 208 | 177 | 149 | 0.38951311 | 0.269499568 |
| ## 380 | 19 | 0 | 67 | 68 | 35 | 0.39411765 | 0.402062639 |
| ## 418 | 0 | 0 | 15 | 18 | 19 | 0.28846154 | 2.713179930 |

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|--------|------|------|------|------|------|------------|--------------|
| ## 489 | 630 | 10 | 1977 | 1504 | 806 | 0.46116165 | 1.054272263 |
| ## 235 | 17 | 0 | 94 | 98 | 114 | 0.30718954 | 0.553927120 |
| ## 457 | 15 | 0 | 15 | 32 | 56 | 0.14563107 | 4.505790156 |
| ## 244 | 2 | 0 | 54 | 49 | 147 | 0.21600000 | 1.863028586 |
| ## 25 | 27 | 0 | 85 | 237 | 85 | 0.20884521 | 0.070101412 |
| ## 281 | 152 | 1123 | 862 | 741 | 1226 | 0.30470131 | 2.442029400 |
| ## 119 | 155 | 0 | 196 | 304 | 97 | 0.32830821 | 2.686990059 |
| ## 400 | 1 | 0 | 26 | 19 | 9 | 0.48148148 | 0.013635715 |
| ## 481 | 0 | 0 | 48 | 66 | 80 | 0.24742268 | 1.439335970 |
| ## 180 | 22 | 0 | 5 | 3 | 14 | 0.22727273 | 60.243339550 |
| ## 482 | 227 | 80 | 315 | 635 | 1126 | 0.15173410 | 2.119852939 |
| ## 319 | 19 | 0 | 9 | 17 | 3 | 0.31034483 | 15.591486470 |
| ## 38 | 3 | 0 | 17 | 16 | 21 | 0.31481482 | 1.076701448 |
| ## 388 | 59 | 0 | 44 | 64 | 24 | 0.33333333 | 1.574319053 |
| ## 309 | 0 | 0 | 5 | 3 | 1 | 0.55555556 | 0.039993716 |
| ## 78 | 7 | 0 | 13 | 15 | 33 | 0.21311475 | 0.270744945 |
| ## 7 | 135 | 0 | 215 | 209 | 360 | 0.27423469 | 2.893840038 |
| ## 12 | 56 | 41 | 439 | 581 | 299 | 0.33282790 | 0.503461261 |
| ## 211 | 5 | 0 | 61 | 37 | 27 | 0.48800000 | 0.048478764 |
| ## 167 | 1 | 0 | 33 | 38 | 40 | 0.29729730 | 0.214145750 |
| ## 377 | 88 | 0 | 57 | 51 | 33 | 0.40425532 | 5.159906895 |
| ## 332 | 184 | 0 | 30 | 102 | 92 | 0.13392857 | 1.726299172 |
| ## 144 | 212 | 35 | 725 | 976 | 718 | 0.29971062 | 1.236952255 |
| ## 260 | 1119 | 78 | 1039 | 1048 | 626 | 0.38297088 | 0.902053510 |
| ## 453 | 14 | 0 | 90 | 154 | 105 | 0.25787966 | 62.432317910 |
| ## 491 | 16 | 0 | 21 | 25 | 14 | 0.35000000 | 3.868542954 |
| ## 52 | 32 | 0 | 22 | 38 | 2 | 0.35483871 | 1.833397442 |
| ## 206 | 6 | 0 | 11 | 7 | 10 | 0.39285714 | 3.407063888 |
| ## 160 | 0 | 0 | 21 | 20 | 7 | 0.43750000 | 2.513256171 |
| ## 277 | 11 | 0 | 52 | 89 | 50 | 0.27225131 | 0.307759866 |
| ## 88 | 100 | 2235 | 322 | 828 | 2220 | 0.09554896 | 11.301384650 |
| ## 1 | 2 | 0 | 23 | 38 | 3 | 0.35937500 | 4.452236848 |
| ## 426 | 0 | 0 | 4 | 11 | 3 | 0.22222222 | 4.431946604 |
| ## 353 | 0 | 0 | 24 | 94 | 158 | 0.08695652 | 0.613129702 |
| ## 157 | 34 | 0 | 126 | 74 | 47 | 0.51012146 | 2.187677233 |
| ## 368 | 74 | 0 | 68 | 147 | 420 | 0.10708661 | 3.286584570 |
| ## 365 | 278 | 0 | 289 | 494 | 271 | 0.27419355 | 69.195793090 |
| ## 57 | 14 | 0 | 127 | 266 | 386 | 0.16302953 | 1.121627091 |
| ## 493 | 0 | 0 | 28 | 138 | 127 | 0.09556314 | 0.762515690 |
| ## 259 | 23 | 1 | 73 | 153 | 113 | 0.21533923 | 0.103422906 |
| ## 265 | 416 | 11 | 280 | 423 | 262 | 0.29015544 | 0.210785611 |
| ## 307 | 75 | 0 | 56 | 87 | 96 | 0.23430962 | 0.259568957 |
| ## 170 | 11 | 0 | 19 | 24 | 17 | 0.31666667 | 2.648727390 |
| ## 121 | 3 | 0 | 41 | 20 | 29 | 0.45555556 | 0.901844475 |
| ## 276 | 28 | 4 | 78 | 152 | 118 | 0.22413793 | 0.029839589 |
| ## 394 | 78 | 0 | 74 | 53 | 50 | 0.41807910 | 3.818869252 |
| ## 32 | 678 | 0 | 159 | 421 | 324 | 0.17588496 | 1.701126933 |
| ## 2 | 53 | 0 | 24 | 46 | 44 | 0.21052632 | 19.437482300 |
| ## 219 | 1 | 0 | 20 | 15 | 34 | 0.28985507 | 0.065142781 |
| ## 327 | 3 | 3 | 23 | 23 | 7 | 0.43396226 | 0.021462779 |
| ## 257 | 294 | 847 | 995 | 1208 | 1642 | 0.25877763 | 4.000485940 |
| ## 227 | 13 | 0 | 14 | 35 | 42 | 0.15384615 | 5.393146098 |
| ## 195 | 32 | 0 | 40 | 44 | 121 | 0.19512195 | 1.167831456 |
| ## 59 | 3 | 0 | 2 | 7 | 9 | 0.11111111 | 0.364493162 |

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|--------|-----|-----|------|------|-------|------------|--------------|
| ## 497 | 0 | 0 | 7 | 4 | 3 | 0.50000000 | 0.011584038 |
| ## 311 | 14 | 0 | 170 | 199 | 190 | 0.30411449 | 0.434893074 |
| ## 363 | 0 | 223 | 34 | 95 | 198 | 0.10397553 | 1.764528754 |
| ## 46 | 23 | 0 | 27 | 41 | 30 | 0.27551020 | 0.080013049 |
| ## 490 | 23 | 0 | 48 | 42 | 69 | 0.30188679 | 18.296489340 |
| ## 286 | 0 | 35 | 119 | 216 | 955 | 0.09224806 | 1.578816450 |
| ## 256 | 536 | 0 | 601 | 950 | 1830 | 0.17775806 | 0.337268288 |
| ## 41 | 1 | 0 | 17 | 16 | 17 | 0.34000000 | 0.560196939 |
| ## 462 | 3 | 0 | 29 | 77 | 248 | 0.08192090 | 4.645849626 |
| ## 110 | 22 | 210 | 228 | 322 | 152 | 0.32478632 | 1.295424448 |
| ## 249 | 0 | 0 | 5 | 19 | 41 | 0.07692308 | 0.861978234 |
| ## 185 | 4 | 0 | 173 | 106 | 135 | 0.41787440 | 1.448055782 |
| ## 150 | 226 | 0 | 362 | 330 | 172 | 0.41898148 | 2.063743429 |
| ## 331 | 35 | 0 | 67 | 159 | 170 | 0.16919192 | 0.746417919 |
| ## 271 | 1 | 11 | 25 | 9 | 2 | 0.69444444 | 0.017459163 |
| ## 268 | 46 | 0 | 50 | 8 | 4 | 0.80645161 | 5.195122643 |
| ## 463 | 12 | 0 | 13 | 30 | 84 | 0.10236220 | 7.859882280 |
| ## 495 | 10 | 0 | 56 | 85 | 95 | 0.23728814 | 0.262165958 |
| ## 362 | 38 | 0 | 17 | 138 | 22 | 0.09604520 | 15.432559550 |
| ## 460 | 92 | 0 | 420 | 1059 | 5502 | 0.06016330 | 6.764314252 |
| ## 330 | 9 | 0 | 8 | 23 | 33 | 0.12500000 | 3.324159767 |
| ## 231 | 34 | 0 | 6 | 23 | 5 | 0.17647059 | 3.129430623 |
| ## 19 | 8 | 0 | 38 | 171 | 102 | 0.12218650 | 3.318631362 |
| ## 142 | 1 | 0 | 43 | 40 | 26 | 0.39449541 | 34.341244200 |
| ## 472 | 21 | 0 | 49 | 98 | 343 | 0.10000000 | 0.050478124 |
| ## 279 | 59 | 0 | 125 | 178 | 149 | 0.27654867 | 6.294405951 |
| ## 295 | 7 | 10 | 51 | 110 | 100 | 0.19540230 | 0.034125503 |
| ## 148 | 0 | 0 | 4 | 13 | 8 | 0.16000000 | 0.009732245 |
| ## 99 | 11 | 0 | 31 | 46 | 67 | 0.21527778 | 0.071121249 |
| ## 373 | 118 | 0 | 48 | 72 | 42 | 0.29629630 | 3.504555676 |
| ## 312 | 40 | 0 | 31 | 22 | 15 | 0.45588235 | 0.631300950 |
| ## 393 | 0 | 0 | 5 | 8 | 11 | 0.20833333 | 0.090434018 |
| ## 173 | 19 | 0 | 124 | 96 | 71 | 0.42611684 | 0.974277200 |
| ## 162 | 6 | 0 | 39 | 78 | 61 | 0.21910112 | 2.067111495 |
| ## 374 | 11 | 0 | 33 | 34 | 34 | 0.32673267 | 2.746776834 |
| ## 76 | 39 | 174 | 226 | 220 | 259 | 0.32056738 | 3.512505553 |
| ## 500 | 356 | 0 | 107 | 210 | 130 | 0.23937360 | 5.867974641 |
| ## 216 | 8 | 90 | 868 | 848 | 436 | 0.40334572 | 0.113480921 |
| ## 411 | 734 | 228 | 3354 | 4230 | 10060 | 0.19009295 | 2.817996069 |
| ## 230 | 276 | 0 | 171 | 402 | 400 | 0.17574512 | 1.387797803 |
| ## 16 | 1 | 0 | 16 | 34 | 66 | 0.13793103 | 0.006608594 |
| ## 222 | 0 | 0 | 0 | 0 | 0 | 0.00000000 | 7.234207285 |
| ## 8 | 28 | 0 | 12 | 18 | 4 | 0.35294118 | 43.762792220 |
| ## 340 | 64 | 7 | 127 | 161 | 50 | 0.37573965 | 0.085853792 |
| ## 22 | 6 | 0 | 30 | 71 | 50 | 0.19867550 | 2.630827417 |
| ## 128 | 301 | 0 | 686 | 939 | 543 | 0.31642066 | 3.188833857 |
| ## 469 | 170 | 528 | 532 | 525 | 482 | 0.34567901 | 2.701680551 |
| ## 109 | 17 | 0 | 38 | 46 | 61 | 0.26206897 | 7.116573753 |
| ## 50 | 3 | 0 | 14 | 35 | 23 | 0.19444444 | 0.030843083 |
| ## 69 | 167 | 0 | 305 | 204 | 114 | 0.48956661 | 4.449935589 |
| ## 403 | 0 | 0 | 26 | 62 | 51 | 0.18705036 | 0.187399441 |
| ## 442 | 7 | 0 | 27 | 30 | 43 | 0.27000000 | 3.923253709 |
| ## 143 | 113 | 0 | 1391 | 2069 | 1581 | 0.27593731 | 1.721336703 |
| ## 168 | 0 | 0 | 12 | 13 | 2 | 0.44444444 | 7.491304943 |

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|--------|-----|-----|-----|-----|-----|------------|--------------|
| ## 360 | 0 | 0 | 19 | 127 | 28 | 0.10919540 | 9.407612253 |
| ## 20 | 363 | 473 | 157 | 421 | 553 | 0.13881521 | 4.634214538 |
| ## 440 | 0 | 35 | 107 | 70 | 61 | 0.44957983 | 0.947138212 |
| ## 451 | 32 | 0 | 231 | 544 | 220 | 0.23216080 | 1.133029059 |
| ## 196 | 6 | 0 | 26 | 14 | 15 | 0.47272727 | 0.017730082 |
| ## 27 | 9 | 0 | 25 | 51 | 13 | 0.28089888 | 0.012894670 |
| ## 134 | 0 | 0 | 31 | 19 | 22 | 0.43055556 | 2.889475702 |
| ## 494 | 19 | 0 | 129 | 198 | 749 | 0.11988848 | 1.233998027 |
| ## 205 | 318 | 0 | 317 | 442 | 480 | 0.25585149 | 1.070688141 |
| ## 294 | 41 | 0 | 10 | 22 | 11 | 0.23255814 | 46.597257490 |
| ## 123 | 365 | 386 | 304 | 638 | 632 | 0.19313850 | 1.957574600 |
| ## 253 | 0 | 0 | 0 | 0 | 0 | 0.00000000 | 0.028591915 |
| ## 466 | 0 | 0 | 8 | 8 | 5 | 0.38095238 | 4.183546443 |
| ## 139 | 200 | 0 | 669 | 700 | 393 | 0.37968218 | 3.836905380 |
| ## 95 | 0 | 13 | 23 | 27 | 27 | 0.29870130 | 0.009942492 |
| ## 369 | 0 | 0 | 38 | 83 | 67 | 0.20212766 | 3.418032975 |
| ## 127 | 20 | 0 | 41 | 68 | 49 | 0.25949367 | 0.054513770 |
| ## 484 | 1 | 0 | 29 | 28 | 32 | 0.32584270 | 0.629252675 |
| ## 450 | 2 | 6 | 16 | 21 | 4 | 0.39024390 | 0.042128153 |
| ## 72 | 71 | 0 | 172 | 177 | 142 | 0.35030550 | 4.331059714 |
| ## 204 | 0 | 0 | 4 | 8 | 20 | 0.12500000 | 0.183718919 |
| ## 301 | 0 | 262 | 231 | 118 | 184 | 0.43339587 | 2.193915908 |
| ## 465 | 177 | 0 | 280 | 314 | 401 | 0.28140704 | 0.837570049 |
| ## 339 | 15 | 4 | 83 | 148 | 78 | 0.26860841 | 0.086315021 |
| ## 328 | 266 | 0 | 46 | 99 | 131 | 0.16666667 | 66.265047790 |
| ## 299 | 183 | 0 | 52 | 87 | 57 | 0.26530612 | 3.726848624 |
| ## 349 | 0 | 0 | 6 | 17 | 77 | 0.06000000 | 1.678653178 |
| ## 399 | 0 | 0 | 53 | 76 | 43 | 0.30813954 | 0.078255096 |
| ## 92 | 0 | 0 | 15 | 11 | 4 | 0.50000000 | 3.520721902 |
| ## 467 | 10 | 0 | 9 | 17 | 5 | 0.29032258 | 4.614414223 |
| ## 352 | 1 | 0 | 43 | 47 | 12 | 0.42156863 | 5.013719226 |
| ## 232 | 32 | 134 | 146 | 184 | 49 | 0.38522427 | 0.910746518 |
| ## 13 | 0 | 0 | 23 | 24 | 8 | 0.41818182 | 2.454790252 |
| ## 104 | 38 | 0 | 24 | 19 | 57 | 0.24000000 | 4.843377434 |
| ## 80 | 2 | 4 | 103 | 95 | 61 | 0.39768340 | 0.019025461 |
| ## 131 | 3 | 0 | 197 | 189 | 101 | 0.40451745 | 0.194680589 |
| ## 376 | 280 | 0 | 375 | 355 | 505 | 0.30364372 | 0.729660784 |
| ## 166 | 14 | 22 | 79 | 125 | 132 | 0.23511905 | 0.014449294 |
| ## 478 | 6 | 0 | 284 | 317 | 165 | 0.37075718 | 3.447676522 |
| ## 264 | 132 | 0 | 252 | 414 | 546 | 0.20792079 | 3.412567308 |
| ## 254 | 61 | 0 | 399 | 818 | 755 | 0.20233266 | 1.752172964 |
| ## 129 | 9 | 0 | 17 | 17 | 10 | 0.38636364 | 2.854863091 |
| ## 292 | 74 | 0 | 174 | 200 | 142 | 0.33720930 | 1.035489473 |
| ## 430 | 0 | 0 | 66 | 38 | 12 | 0.56896552 | 0.402659698 |
| ## 130 | 52 | 0 | 34 | 52 | 82 | 0.20238095 | 1.282626645 |
| ## 183 | 8 | 0 | 24 | 19 | 33 | 0.31578947 | 29.578431660 |
| ## 325 | 78 | 1 | 167 | 264 | 229 | 0.25303030 | 2.197189666 |
| ## 280 | 286 | 0 | 98 | 211 | 320 | 0.15580286 | 4.831274069 |
| ## 420 | 28 | 0 | 53 | 190 | 137 | 0.13947368 | 4.346978146 |
| ## 18 | 0 | 0 | 200 | 96 | 168 | 0.43103448 | 7.665903806 |
| ## 74 | 4 | 0 | 6 | 8 | 5 | 0.31578947 | 12.721010650 |
| ## 153 | 96 | 103 | 236 | 468 | 501 | 0.19585062 | 0.053090986 |
| ## 447 | 7 | 0 | 98 | 135 | 127 | 0.27222222 | 3.071736751 |
| ## 172 | 128 | 0 | 118 | 141 | 85 | 0.34302326 | 9.968979187 |

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|--------|--------------|--------------|--------------|--------------|--------------|------------|--------------|
| ## 79 | 288 | 0 | 235 | 190 | 82 | 0.46351085 | 2.668846752 |
| ## 344 | 24 | 777 | 64 | 182 | 716 | 0.06652807 | 55.670943020 |
| ## 354 | 4 | 0 | 10 | 3 | 1 | 0.71428571 | 6.592510722 |
| ## 225 | 10 | 117 | 193 | 116 | 405 | 0.27030812 | 3.370497437 |
| ## 239 | 539 | 0 | 100 | 392 | 525 | 0.09832842 | 15.960735040 |
| ## 220 | 1 | 0 | 9 | 11 | 17 | 0.24324324 | 3.049843503 |
| ## 94 | 3 | 2 | 28 | 96 | 89 | 0.13145540 | 0.055963315 |
| ## 288 | 95 | 0 | 165 | 201 | 159 | 0.31428571 | 21.522480680 |
| ## 62 | 0 | 0 | 21 | 55 | 1708 | 0.01177130 | 0.741245979 |
| ## 251 | 40 | 0 | 37 | 56 | 74 | 0.22155689 | 11.680876410 |
| ## 389 | 17 | 0 | 7 | 7 | 5 | 0.36842105 | 4.181039012 |
| ## 382 | 0 | 0 | 178 | 445 | 509 | 0.15724382 | 0.063477211 |
| ## 246 | 16 | 0 | 19 | 39 | 9 | 0.28358209 | 1.335228499 |
| ## 425 | 13 | 0 | 39 | 87 | 88 | 0.18224299 | 2.505400622 |
| ## 174 | 7 | 0 | 21 | 19 | 10 | 0.42000000 | 6.123042777 |
| ## 296 | 12 | 0 | 21 | 18 | 5 | 0.47727273 | 5.289251418 |
| ## 461 | 1 | 0 | 129 | 131 | 78 | 0.38165680 | 14.330228190 |
| ## 367 | 15 | 0 | 117 | 180 | 411 | 0.16525424 | 1.613028592 |
| ## 48 | 238 | 0 | 175 | 366 | 116 | 0.26636225 | 0.711549739 |
| ## 408 | 18 | 13 | 299 | 674 | 441 | 0.21145686 | 0.108455782 |
| ## 218 | 25 | 0 | 445 | 1416 | 1584 | 0.12917271 | 0.548106576 |
| ## | D1B | | D1C | D1C5_RET | D1C5_OFF | D1C5_IND | |
| ## 429 | 2.264942e-01 | 0.108230786 | 0.000000e+00 | 3.040190e-04 | 6.080381e-03 | | |
| ## 297 | 4.671427e+00 | 1.008739934 | 6.004404e-03 | 7.805726e-02 | 6.004404e-03 | | |
| ## 221 | 3.428707e+00 | 1.993153405 | 5.893327e-02 | 8.008880e-02 | 1.641065e+00 | | |
| ## 83 | 1.019437e+01 | 1.106153511 | 4.779676e-01 | 4.779676e-02 | 6.145297e-02 | | |
| ## 431 | 8.116534e-01 | 0.015723412 | 0.000000e+00 | 1.626560e-03 | 5.964053e-03 | | |
| ## 284 | 1.025955e+00 | 0.223372382 | 1.948015e-02 | 5.194707e-03 | 1.207769e-01 | | |
| ## 159 | 7.994765e+01 | 12.292073430 | 8.604451e+00 | 1.278376e+00 | 1.475049e-01 | | |
| ## 263 | 2.015137e-01 | 0.022524481 | 2.145189e-03 | 0.000000e+00 | 1.863633e-02 | | |
| ## 435 | 3.387243e+00 | 5.765025462 | 1.081749e+00 | 4.569680e-01 | 7.977577e-01 | | |
| ## 302 | 9.036553e-02 | 0.008157196 | 5.206720e-04 | 0.000000e+00 | 5.900950e-03 | | |
| ## 485 | 9.887207e+00 | 0.852611074 | 2.670830e-01 | 3.081727e-02 | 1.129966e-01 | | |
| ## 250 | 1.991690e-01 | 0.014828149 | 3.707037e-03 | 0.000000e+00 | 2.696027e-03 | | |
| ## 410 | 2.886191e+01 | 0.658446610 | 0.000000e+00 | 0.000000e+00 | 2.853269e-01 | | |
| ## 445 | 4.903129e+01 | 4.997280465 | 1.448487e-01 | 0.000000e+00 | 2.100306e+00 | | |
| ## 63 | 5.363777e+00 | 0.775207627 | 6.927387e-02 | 1.187552e-01 | 7.257263e-02 | | |
| ## 247 | 8.629653e+00 | 1.550880631 | 2.815130e-01 | 1.535525e-02 | 1.023684e-02 | | |
| ## 415 | 4.425686e+00 | 0.481052829 | 1.018700e-01 | 2.263778e-02 | 1.131889e-02 | | |
| ## 194 | 5.036908e+00 | 14.206972050 | 8.272338e+00 | 4.820007e-01 | 4.820008e-02 | | |
| ## 390 | 3.650577e-01 | 0.080137588 | 1.082283e-02 | 1.216050e-04 | 3.392775e-02 | | |
| ## 191 | 4.177467e+00 | 2.148305136 | 2.159475e-01 | 2.606263e-02 | 2.159475e-01 | | |
| ## 477 | 7.793373e+00 | 1.254216045 | 2.441413e-01 | 0.000000e+00 | 3.829667e-02 | | |
| ## 468 | 1.238476e+01 | 3.679974115 | 1.295938e+00 | 2.689682e-01 | 8.558079e-02 | | |
| ## 70 | 5.332913e+00 | 0.073456107 | 0.000000e+00 | 0.000000e+00 | 1.469122e-02 | | |
| ## 229 | 9.054280e+00 | 0.302839385 | 4.326277e-02 | 1.854119e-02 | 4.944316e-02 | | |
| ## 97 | 9.144711e+00 | 8.644164873 | 1.558587e-01 | 3.596740e-02 | 6.893752e-02 | | |
| ## 112 | 1.779140e+01 | 1.278806986 | 0.000000e+00 | 0.000000e+00 | 0.000000e+00 | | |
| ## 458 | 1.059344e-01 | 0.005395640 | 7.194190e-04 | 5.395640e-04 | 0.000000e+00 | | |
| ## 126 | 5.921777e+00 | 0.902828299 | 8.737048e-02 | 2.912349e-02 | 9.707831e-02 | | |
| ## 434 | 1.253063e+01 | 1.171204465 | 2.266847e-01 | 6.296798e-03 | 1.700136e-01 | | |
| ## 372 | 3.320436e-01 | 0.035703610 | 5.492860e-04 | 0.000000e+00 | 2.746432e-03 | | |
| ## 171 | 7.303658e-02 | 0.000000000 | 0.000000e+00 | 0.000000e+00 | 0.000000e+00 | | |
| ## 455 | 3.190355e-01 | 0.835986369 | 2.814109e-01 | 2.319321e-02 | 3.076966e-01 | | |

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## 432 5.439942e+00 2.563350787 8.666318e-01 2.505923e-01 4.594193e-01
## 437 7.884640e+00 0.395394905 0.000000e+00 0.000000e+00 1.279219e-01
## 215 3.520027e+00 1.180028026 5.916854e-01 1.236857e-01 1.136571e-01
## 441 7.639414e+00 1.236667509 6.981187e-02 8.975813e-02 9.474469e-01
## 213 1.092519e+01 0.637855727 1.326740e-01 3.929191e-01 0.000000e+00
## 118 6.088400e+00 1.906468833 1.003405e-01 5.178863e-02 4.887552e-01
## 456 6.535091e+01 1.397050401 1.086595e+00 0.000000e+00 0.000000e+00
## 58 4.370965e-01 0.475754478 1.062708e-02 1.293732e-02 4.033671e-01
## 379 2.844639e+01 3.708566004 2.809520e-02 2.949996e-01 3.034281e+00
## 407 3.800043e+00 2.105526522 3.100604e-01 3.172711e-01 6.345422e-01
## 422 1.167414e+01 0.276857051 0.000000e+00 0.000000e+00 1.845714e-02
## 351 1.694578e+01 0.118265644 5.631697e-03 0.000000e+00 4.505358e-02
## 452 4.996716e+00 0.518411525 2.241780e-01 8.756951e-03 1.331057e-01
## 366 3.840086e+00 0.733906147 7.235694e-02 0.000000e+00 4.134682e-02
## 397 8.098683e-01 0.272741213 2.984040e-04 6.266483e-03 4.923665e-02
## 201 1.585093e-01 0.040287292 0.000000e+00 1.078919e-02 2.754687e-03
## 10 8.747993e+00 0.780929932 1.025464e-01 0.000000e+00 1.025464e-01
## 480 2.441607e-02 0.001049348 1.873840e-05 4.684590e-04 2.623370e-04
## 446 5.281488e+00 0.249888036 1.822100e-02 0.000000e+00 5.206001e-03
## 82 2.778710e+00 0.151929480 0.000000e+00 0.000000e+00 3.998144e-03
## 151 8.313020e+00 0.454155486 8.885651e-02 0.000000e+00 4.442825e-02
## 236 4.874332e-01 0.062876968 2.733780e-04 5.467562e-03 8.474722e-03
## 237 1.365944e+01 12.661420070 1.191663e-01 1.161871e+00 1.310829e+00
## 479 2.525667e-02 0.010539204 1.028976e-03 6.236220e-05 3.523462e-03
## 383 1.084173e-01 0.008302229 0.000000e+00 0.000000e+00 5.046453e-03
## 75 8.016309e+00 3.857178987 1.314947e-01 9.253333e-01 2.435088e-01
## 350 5.690843e-02 0.029227647 1.302625e-03 1.384039e-03 2.035351e-02
## 310 1.728139e+01 5.878460260 2.896322e+00 4.290847e-01 4.290847e-02
## 475 4.584493e+00 3.465788806 1.023651e-01 0.000000e+00 2.193537e-02
## 101 3.060646e+00 1.384254532 8.916977e-02 7.473276e-02 9.001901e-02
## 65 3.006565e-01 0.408253978 7.173165e-02 4.539269e-02 6.724842e-03
## 291 2.757256e+00 1.862271319 6.839401e-01 2.325397e-01 3.517406e-02
## 199 3.685496e-01 0.010440498 0.000000e+00 7.457500e-04 6.115149e-03
## 436 3.427419e+00 8.738113962 1.024618e+00 1.421477e+00 5.700339e-01
## 387 5.951770e+00 3.477802501 1.230507e-01 7.123990e-02 3.756286e-01
## 100 4.563925e+00 1.036134372 1.233493e-01 1.480192e-02 5.970108e-01
## 334 6.054796e+00 0.436944047 0.000000e+00 2.652875e-01 7.022315e-02
## 439 3.197030e+01 1.313200735 7.274565e-01 0.000000e+00 6.613241e-02
## 87 6.067669e+00 2.948466695 1.096646e+00 5.253393e-02 9.850111e-01
## 333 1.435956e+01 2.699104123 5.348834e-01 6.583181e-02 1.341323e+00
## 184 3.548416e+00 1.683385408 2.914770e-01 1.309534e-01 1.541871e-01
## 186 2.674766e+01 10.221287610 1.781872e+00 9.790505e-01 4.895253e-01
## 49 1.087358e-02 0.000713022 5.941850e-05 1.386430e-04 3.961230e-04
## 357 1.760132e+01 0.214650247 0.000000e+00 0.000000e+00 1.533216e-01
## 224 5.428713e+00 0.011101663 0.000000e+00 0.000000e+00 1.110166e-02
## 486 5.685660e-01 0.187230103 2.988277e-02 0.000000e+00 7.087241e-02
## 164 1.605456e+00 2.901560414 1.824382e-02 7.138886e-02 2.270166e+00
## 226 5.218364e+00 0.419816456 6.319818e-02 7.674064e-02 1.805662e-02
## 404 8.115176e+00 0.813305099 4.021838e-01 9.831160e-02 4.468709e-02
## 272 1.240070e+01 0.970844417 0.000000e+00 0.000000e+00 0.000000e+00
## 238 1.442228e-01 0.016195749 1.538963e-03 1.392395e-03 4.470320e-03
## 140 4.314018e-02 0.048998728 1.136974e-02 6.020640e-04 1.523685e-02
## 31 1.146592e+00 0.719709197 1.700041e-01 1.610171e-02 3.347659e-01
## 313 3.523154e-02 0.004298118 0.000000e+00 9.117220e-04 2.604920e-04

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## 359 4.836242e-01 0.126496148 1.916608e-02 4.152651e-03 6.260921e-02
## 181 4.822240e-02 0.002533462 1.299210e-04 0.000000e+00 1.277558e-03
## 90 6.278906e+01 13.880002000 5.384484e-01 2.542673e+00 9.273277e-01
## 444 6.510727e+00 1.739625156 6.176184e-02 6.176184e-02 1.338173e+00
## 85 1.067773e+00 1.882936920 2.764517e-01 4.859192e-01 7.935923e-01
## 187 3.388150e+00 0.176744022 2.223195e-03 7.781183e-03 2.000876e-02
## 30 5.515767e-01 0.668020730 1.021438e-02 2.298237e-02 2.231843e-01
## 304 3.043610e+00 0.428540290 1.460933e-02 0.000000e+00 5.356754e-02
## 202 9.996424e-01 0.008622563 5.748380e-04 0.000000e+00 4.023863e-03
## 37 6.898058e-02 0.001568589 6.722530e-04 0.000000e+00 3.361260e-04
## 287 1.178125e+01 3.949588734 8.439292e-01 5.232361e-01 3.797681e-01
## 471 6.111913e+00 1.679764274 1.497621e+00 0.000000e+00 0.000000e+00
## 314 4.422219e+00 1.054825066 2.309070e-01 1.836760e-01 1.224507e-01
## 36 4.345881e+01 1.583642677 3.654560e-01 3.045467e-02 1.218187e-01
## 5 1.609012e-02 0.001012087 1.239290e-04 4.130970e-05 7.848840e-04
## 108 3.681999e+00 0.326933606 0.000000e+00 2.034253e-02 6.248065e-02
## 47 8.621970e-01 0.044387675 0.000000e+00 3.295449e-02 8.070486e-03
## 89 1.309310e+01 0.351076772 3.510768e-01 0.000000e+00 0.000000e+00
## 454 1.040451e-01 0.005027392 5.464560e-04 3.278730e-04 8.743290e-04
## 336 1.017064e+01 1.078301029 1.331236e-02 0.000000e+00 1.597483e-01
## 252 2.903931e-01 0.023492473 9.788530e-04 6.525690e-04 1.207252e-02
## 464 1.772612e+01 3.526592506 5.722395e-01 1.064632e-01 5.589316e-01
## 212 1.261207e-01 0.057200519 2.687994e-03 3.440633e-03 3.118073e-02
## 233 7.087021e+00 9.172108927 1.293210e+00 7.861808e-01 2.124967e+00
## 428 1.208848e+01 2.558651850 2.558652e+00 0.000000e+00 0.000000e+00
## 154 7.369932e-02 0.002495188 2.434330e-04 1.217160e-04 1.704031e-03
## 40 6.502279e+00 14.245384000 6.138362e-02 2.762263e-01 5.261453e-01
## 356 1.372042e-01 0.011950041 4.425940e-04 0.000000e+00 5.311129e-03
## 473 5.186879e+00 2.258401875 2.233584e-01 0.000000e+00 0.000000e+00
## 133 1.277925e+01 9.605645487 3.393735e+00 1.043344e+00 8.942950e-01
## 152 3.480461e+01 4.139540394 2.110354e-01 2.922029e-01 5.844057e-01
## 4 3.792476e-02 0.004024171 6.097230e-05 1.219450e-04 1.249932e-03
## 56 8.501470e-01 0.077194949 0.000000e+00 6.015191e-03 4.210634e-02
## 384 4.019903e+00 0.548748732 1.339968e-01 1.435680e-02 7.337919e-02
## 145 5.550314e-02 0.000392627 0.000000e+00 7.138670e-05 1.070800e-04
## 234 2.524322e+00 0.823330077 1.797116e-01 1.114491e-01 1.574218e-01
## 361 3.449446e+01 0.733436933 4.583981e-02 0.000000e+00 4.813180e-01
## 348 5.694547e+00 0.065896392 1.647410e-02 0.000000e+00 4.393093e-02
## 197 3.550400e+00 0.418460674 2.316737e-02 7.239804e-02 1.447961e-03
## 136 3.329504e+01 0.933157016 1.119788e-01 3.359365e-01 5.598942e-02
## 192 1.111441e+01 3.028274093 0.000000e+00 1.073856e-02 0.000000e+00
## 258 4.368022e-02 0.011568015 1.658019e-03 1.143460e-04 8.213863e-03
## 61 7.282438e+00 0.151353628 0.000000e+00 1.746388e-02 3.492776e-02
## 240 2.340208e+01 8.227893561 1.486660e+00 1.794245e-01 9.227544e-01
## 293 7.143649e+00 0.198238032 7.787923e-02 7.079930e-03 2.831972e-02
## 255 5.335209e-02 0.000706225 0.000000e+00 0.000000e+00 6.420230e-04
## 245 1.839476e+00 0.134353054 1.658680e-03 2.819755e-02 0.000000e+00
## 77 1.193188e+01 1.904151443 1.149676e+00 4.391125e-02 3.991932e-03
## 156 1.207862e+00 0.015590110 0.000000e+00 0.000000e+00 1.262057e-02
## 43 1.507799e+01 1.128769690 0.000000e+00 0.000000e+00 4.752714e-01
## 474 4.291831e-01 0.036975077 1.814728e-03 7.712593e-03 8.393116e-03
## 449 2.678111e+00 0.000000000 0.000000e+00 0.000000e+00 0.000000e+00
## 214 4.114160e+00 0.036770052 0.000000e+00 0.000000e+00 2.451337e-02
## 91 1.173547e+01 0.161035566 0.000000e+00 0.000000e+00 0.000000e+00

```

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## 285 1.955363e-01 0.007636007 4.363433e-03 8.181440e-04 1.636287e-03
## 364 1.085284e+01 0.644044710 1.644369e-01 1.918431e-01 0.000000e+00
## 178 3.921026e-02 0.002086129 1.794520e-04 0.000000e+00 1.861814e-03
## 93 5.913385e+00 0.836456649 2.909414e-02 0.000000e+00 1.527443e-01
## 84 5.692302e+01 2.244276961 0.000000e+00 0.000000e+00 1.360168e-01
## 146 5.540673e+00 0.276900512 0.000000e+00 1.331253e-02 4.526258e-02
## 64 4.495646e+00 0.105893155 0.000000e+00 2.406663e-03 2.647329e-02
## 326 1.609271e+01 6.367074825 8.514662e-02 3.973509e-01 1.040681e-01
## 273 1.213118e-01 0.001686839 0.000000e+00 0.000000e+00 9.839890e-04
## 355 5.943947e+00 1.066562906 0.000000e+00 3.892565e-03 5.838848e-02
## 228 1.453930e+00 0.199842019 2.481109e-02 3.157775e-03 2.345775e-02
## 117 2.181944e+00 0.160980901 0.000000e+00 4.350835e-03 2.175418e-03
## 29 5.630654e-02 0.065817049 1.404962e-03 3.685323e-02 7.565180e-04
## 45 1.450528e+01 2.452381212 8.360391e-02 9.753789e-01 5.434254e-01
## 176 2.574349e+00 0.130261773 0.000000e+00 8.057429e-03 1.342905e-02
## 198 1.534342e+01 0.945179733 0.000000e+00 0.000000e+00 4.725899e-02
## 488 2.944322e-01 0.038546840 6.151090e-04 2.665473e-03 9.226637e-03
## 35 2.119418e+00 0.081058839 0.000000e+00 3.242354e-03 1.296941e-02
## 54 4.386787e+00 0.571021332 0.000000e+00 2.687159e-02 0.000000e+00
## 208 1.023094e+01 0.000000000 0.000000e+00 0.000000e+00 0.000000e+00
## 402 2.198349e-02 0.002425676 0.000000e+00 2.539980e-05 1.574785e-03
## 417 5.243396e+00 0.023200866 0.000000e+00 0.000000e+00 0.000000e+00
## 345 3.200573e+00 0.941345110 1.236110e-01 2.377134e-02 5.895293e-01
## 60 9.352236e+00 3.627393237 3.650624e-01 4.214812e-01 7.931811e-01
## 105 8.452863e-01 0.100852117 5.198563e-03 1.039713e-03 7.277988e-03
## 283 4.832587e+00 1.116659369 0.000000e+00 1.710045e-03 1.179931e-01
## 210 1.361460e+00 0.123660464 7.168723e-03 2.389574e-03 5.615499e-02
## 207 9.480416e+01 6.520373407 0.000000e+00 1.310975e+00 0.000000e+00
## 487 1.270065e+01 3.746979323 8.390475e-01 1.379256e-01 3.448140e-02
## 33 1.805647e+00 1.959932736 2.534688e-01 1.186811e-02 5.934052e-03
## 267 1.074787e+01 1.330928204 7.721895e-01 0.000000e+00 0.000000e+00
## 163 7.008420e+00 0.019330609 0.000000e+00 6.443536e-03 8.591382e-03
## 81 8.021357e+00 2.198308844 2.470010e-02 5.557522e-02 0.000000e+00
## 223 1.032109e+01 2.550386065 1.155644e+00 0.000000e+00 0.000000e+00
## 386 1.509562e-01 0.031023153 3.119647e-03 1.126539e-03 2.192418e-02
## 343 2.645562e+00 0.616736136 3.370143e-03 1.011043e-02 5.055214e-02
## 137 8.471303e+01 79.277449120 3.794652e+00 1.312744e+01 2.153721e+00
## 483 2.310943e+01 0.887559930 0.000000e+00 2.301081e-01 6.574518e-02
## 71 3.026376e-01 0.053418059 2.913712e-03 5.827420e-04 1.087786e-02
## 358 2.241711e+00 0.770293528 6.303831e-01 1.100419e-02 3.144055e-02
## 323 6.163536e+00 0.042802333 0.000000e+00 0.000000e+00 0.000000e+00
## 385 7.606935e-02 0.004947127 0.000000e+00 1.746040e-04 1.280433e-03
## 261 5.661706e+00 0.109057443 3.016482e-02 2.552408e-02 4.408705e-02
## 17 1.025895e+01 3.138479988 5.319458e-01 2.431752e-01 1.322265e+00
## 275 1.383018e+01 2.270626537 0.000000e+00 0.000000e+00 0.000000e+00
## 338 4.868184e+00 1.507028155 1.713531e-01 4.833035e-02 1.133566e+00
## 315 7.979355e-01 0.254383536 8.590360e-02 3.448243e-02 3.206261e-02
## 189 1.104583e+01 0.123713293 0.000000e+00 0.000000e+00 8.836664e-02
## 243 1.283469e+01 3.435049631 5.059091e-01 1.466403e-02 2.137283e+00
## 179 9.101464e+01 10.067632160 1.623812e+00 2.110955e+00 4.871435e-01
## 107 7.030771e+00 0.147860598 4.435818e-02 5.914424e-02 2.217909e-02
## 305 1.168809e+01 8.260676154 8.209368e-02 5.828651e+00 1.026171e-02
## 248 6.791091e-01 0.168741150 1.717015e-02 9.473187e-03 5.743120e-02
## 419 9.861482e+00 34.306635780 4.171020e-01 6.316115e+00 1.474753e+00

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## 395 1.421909e+02 6.495669013 3.569049e-01 1.070715e+00 3.569049e-01
## 496 1.188283e-01 0.002694197 0.000000e+00 0.000000e+00 1.418000e-04
## 86 7.134526e+00 5.142337057 1.245118e-01 1.207764e+00 1.992189e-01
## 438 1.591033e+01 0.872536883 1.023346e-01 1.615809e-02 5.709192e-01
## 282 9.409682e-02 0.009437676 5.598621e-03 3.599110e-04 1.119724e-03
## 23 4.365470e+00 1.434605746 3.082624e-02 1.896999e-02 4.268248e-02
## 321 1.480577e+01 2.069727084 3.176790e-01 1.732795e-01 0.000000e+00
## 406 2.991403e-02 0.007966411 2.559490e-04 1.407719e-03 4.831036e-03
## 51 1.164419e+01 1.218064157 1.262243e-01 1.451579e-01 9.466820e-02
## 55 5.809502e+00 0.565620304 2.273054e-01 0.000000e+00 0.000000e+00
## 106 7.068400e-01 0.012530605 0.000000e+00 0.000000e+00 8.733452e-03
## 427 3.539472e+00 0.612447928 0.000000e+00 1.590774e-02 0.000000e+00
## 290 7.581904e+00 0.993166741 3.133018e-02 0.000000e+00 1.441188e-01
## 324 3.045157e+01 3.932405875 3.686631e-01 3.686631e-01 4.915507e-02
## 15 4.860445e+01 2.296919141 1.230492e-01 0.000000e+00 1.804722e+00
## 303 1.810021e+01 0.027549788 0.000000e+00 0.000000e+00 0.000000e+00
## 169 6.131565e+00 1.797977571 1.053760e-01 1.317200e-02 2.173379e-01
## 116 5.621204e-01 0.346061088 4.138085e-02 6.481779e-02 4.687388e-02
## 102 2.792673e-03 0.000356728 6.115340e-05 8.663400e-05 1.783640e-04
## 262 4.530256e+00 0.574770195 1.455114e-01 1.333855e-02 4.122824e-02
## 448 6.450788e-01 0.255164484 4.443876e-02 6.689706e-03 3.249286e-02
## 380 1.092351e+00 0.205875448 2.300961e-02 1.453239e-02 2.785374e-02
## 418 1.111458e+01 0.378244923 0.000000e+00 1.454788e-02 1.454788e-01
## 489 1.748043e+00 5.559243779 1.949042e+00 3.125211e-01 7.780607e-02
## 235 1.093136e+00 0.409424393 1.070391e-02 4.013965e-03 4.281562e-02
## 457 1.252724e+01 1.478013968 1.291469e-01 7.174825e-02 8.609790e-02
## 244 4.854623e+00 1.492811367 2.388498e-02 2.388498e-02 4.776996e-02
## 25 9.775610e-02 0.065438703 4.823492e-03 0.000000e+00 4.678787e-02
## 281 1.744307e+00 24.071432660 1.922992e+00 1.181874e+01 1.463516e+00
## 119 6.816748e+00 3.951066663 1.323640e-02 4.632741e-02 1.654551e-01
## 400 2.510871e-02 0.001424233 6.329930e-04 0.000000e+00 7.648660e-04
## 481 4.512701e+00 0.449647630 1.854217e-02 0.000000e+00 1.089353e-01
## 180 2.177273e+02 3.601503995 0.000000e+00 0.000000e+00 0.000000e+00
## 482 4.722775e+00 5.334320851 3.931364e-01 3.674412e-01 3.337805e+00
## 319 2.098216e+01 0.601267430 1.866002e-01 0.000000e+00 2.073336e-02
## 38 3.029706e+00 0.047462758 0.000000e+00 8.789400e-04 2.461032e-02
## 388 4.951648e+00 0.437494979 0.000000e+00 9.943068e-03 2.651485e-02
## 309 9.546164e-02 0.000672791 0.000000e+00 0.000000e+00 6.727910e-04
## 78 6.950158e-01 0.021092518 0.000000e+00 0.000000e+00 1.383116e-02
## 7 7.839482e+00 4.178214714 2.877852e-01 8.367088e-01 3.890430e-01
## 12 1.018631e+00 0.551549339 2.847650e-01 7.986802e-02 5.519675e-02
## 211 9.871507e-02 0.018307690 3.954461e-03 4.393850e-04 3.075692e-03
## 167 4.594686e-01 0.034956145 0.000000e+00 9.447610e-04 1.574601e-02
## 377 9.077492e+00 0.926811302 0.000000e+00 6.573130e-03 9.859695e-02
## 332 5.194833e+00 0.594909253 0.000000e+00 4.249352e-02 1.062338e-02
## 144 2.545051e+00 3.019361761 3.981713e-01 6.690277e-01 5.704210e-01
## 260 1.955547e+00 8.931646620 5.432074e-01 9.481438e-01 3.160479e-01
## 453 7.561561e+01 32.864070810 8.192476e+00 3.107491e+00 1.600829e+00
## 491 7.271428e+00 0.537297633 1.164145e-01 8.954961e-03 1.164145e-01
## 52 4.909675e+00 0.123689490 1.795493e-02 1.994992e-03 1.994992e-03
## 206 1.195879e+01 0.476988944 0.000000e+00 0.000000e+00 3.407064e-01
## 160 6.196855e+00 0.150607111 6.902826e-02 3.137648e-02 0.000000e+00
## 277 6.657139e-01 0.069978731 7.327616e-03 2.198285e-03 1.502161e-02
## 88 2.733572e+01 44.182907500 5.637582e-01 2.995785e+01 1.756828e+00

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## 1 1.242338e+01 0.807204414 5.549530e-01 0.000000e+00 0.000000e+00
## 426 8.979355e+00 0.159869817 1.776331e-02 8.881657e-02 8.881657e-03
## 353 1.683426e+00 0.269036244 3.899076e-03 2.436923e-02 1.325686e-01
## 157 4.706331e+00 0.996967300 8.072610e-03 3.229044e-02 3.229044e-02
## 368 5.680785e+00 3.455266891 0.000000e+00 1.572555e+00 1.088273e-02
## 365 1.528027e+02 59.102403500 1.659802e+01 7.457893e+00 1.850455e+00
## 57 2.576045e+00 2.400405231 2.403487e-01 1.848836e-02 1.241801e+00
## 493 1.432915e+00 0.749721803 0.000000e+00 5.117555e-03 7.343691e-01
## 259 2.669671e-01 0.060658071 3.399715e-03 1.789324e-03 3.882832e-02
## 265 4.790582e-01 0.231145584 4.766629e-02 9.820693e-03 5.988228e-03
## 307 6.336779e-01 0.098471398 7.828270e-03 0.000000e+00 2.678092e-02
## 170 6.303580e+00 0.146879523 1.713594e-02 1.713594e-02 2.692791e-02
## 121 2.330535e+00 0.118837486 9.242916e-03 2.640833e-03 6.866166e-02
## 276 6.352775e-02 0.018346602 2.636010e-04 2.108800e-04 3.215927e-03
## 394 1.269996e+01 1.571953157 0.000000e+00 0.000000e+00 6.216764e-02
## 32 3.412658e+00 4.702809624 4.734023e-01 8.323557e-02 5.202223e-02
## 2 2.758705e+01 5.770502558 0.000000e+00 1.062987e+00 0.000000e+00
## 219 1.635723e-01 0.006581042 9.537740e-05 0.000000e+00 6.008778e-03
## 327 4.272434e-02 0.001777386 3.353560e-04 1.006070e-04 5.701050e-04
## 257 1.246286e+01 19.495397260 2.028130e+00 6.221288e+00 8.974474e-01
## 227 2.042098e+01 1.037582019 0.000000e+00 0.000000e+00 6.841200e-01
## 195 3.572737e+00 0.211863229 0.000000e+00 6.200875e-03 4.960700e-02
## 59 7.213128e-01 0.034530931 0.000000e+00 0.000000e+00 0.000000e+00
## 497 2.615309e-02 0.000383396 2.190830e-04 0.000000e+00 1.643130e-04
## 311 8.671557e-01 0.163377170 1.607468e-02 5.260803e-03 3.068802e-02
## 363 3.719644e+00 0.700243814 3.426269e-02 5.075162e-01 8.993957e-02
## 46 2.290084e-01 0.005273220 1.022359e-03 2.690420e-04 2.206143e-03
## 490 3.007791e+01 8.632468266 2.171690e-01 3.909042e+00 0.000000e+00
## 286 1.147952e+01 13.139827230 1.986253e+00 4.278083e-01 1.030814e+01
## 256 9.779389e-01 1.568506301 1.530929e-01 3.743817e-01 9.695883e-02
## 41 1.824434e+00 0.032991575 1.583596e-02 6.598310e-04 9.897472e-03
## 462 9.768369e+00 2.376634057 0.000000e+00 1.342731e-02 1.497145e+00
## 110 3.773394e+00 3.773394035 5.858974e-01 1.580310e+00 5.321453e-01
## 249 1.821631e+00 0.158721205 1.709305e-02 0.000000e+00 1.416282e-01
## 185 3.198076e+00 0.568241795 3.156899e-02 3.294155e-02 2.745129e-02
## 150 4.165066e+00 2.705727348 3.726638e-01 1.002121e-01 1.252652e-02
## 331 2.301750e+00 0.466953390 3.537526e-03 0.000000e+00 3.289899e-01
## 271 2.937713e-02 0.001583199 2.198890e-04 4.837550e-04 4.397770e-04
## 268 1.345805e+01 0.694175870 0.000000e+00 0.000000e+00 0.000000e+00
## 463 3.252782e+01 3.071400153 1.692898e-01 0.000000e+00 2.418425e-02
## 495 6.705443e-01 0.054512041 9.239330e-04 0.000000e+00 1.501391e-02
## 362 4.955349e+01 5.762791226 3.320931e+00 2.930233e-01 1.627907e-01
## 460 9.278244e+00 18.911364750 7.151698e-01 6.068107e+00 1.820432e+00
## 330 8.802139e+00 0.629426701 0.000000e+00 0.000000e+00 4.425656e-01
## 231 8.396907e+00 0.406109317 0.000000e+00 0.000000e+00 0.000000e+00
## 19 8.260349e+00 1.502320747 1.400878e-01 4.830613e-02 1.057904e+00
## 142 1.433208e+02 6.906264978 4.435216e-01 1.900807e-01 2.407689e+00
## 472 1.287105e-01 0.042498765 2.255036e-03 4.336610e-04 3.460614e-02
## 279 1.248960e+01 4.982612066 9.700661e-01 4.188922e-01 1.333841e+00
## 295 7.661672e-02 0.010809170 5.383880e-04 1.035361e-03 7.413186e-03
## 148 2.165167e-02 0.000366978 5.871640e-05 0.000000e+00 7.339550e-05
## 99 2.078815e-01 0.021336375 3.704232e-03 2.963390e-04 9.334664e-03
## 373 7.739828e+00 0.778790150 0.000000e+00 0.000000e+00 1.442204e-02
## 312 8.653788e-01 0.096468460 0.000000e+00 4.255961e-03 1.844250e-02

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## 393 1.964462e-01 0.004855518 0.000000e+00 0.000000e+00 2.832385e-03
## 173 2.691241e+00 1.161945350 5.749833e-01 1.637105e-01 7.985879e-03
## 162 4.968321e+00 1.075865047 0.000000e+00 4.230930e-02 5.137558e-01
## 374 8.511313e+00 0.622027938 8.622169e-02 9.238039e-02 1.539673e-01
## 76 7.168496e+00 4.046268652 2.123574e-01 1.503720e+00 2.180968e-01
## 500 1.429183e+01 2.620364300 8.793169e-02 2.931056e-02 1.758634e-02
## 216 2.391625e-01 0.316335418 1.512589e-01 2.513632e-02 2.954620e-02
## 411 4.561486e+00 45.573531290 8.885340e-01 1.532980e+01 6.555522e+00
## 230 2.922786e+00 5.114875993 2.418133e-01 1.839883e-01 2.129008e+00
## 16 1.590153e-02 0.001482779 0.000000e+00 0.000000e+00 9.331280e-04
## 222 1.204015e+01 0.000000000 0.000000e+00 0.000000e+00 0.000000e+00
## 8 8.818072e+01 2.227447508 0.000000e+00 6.551316e-02 1.310263e-01
## 340 1.183658e-01 0.037251067 1.432733e-02 4.077780e-03 3.306308e-03
## 22 6.921798e+00 0.684922310 7.711046e-02 0.000000e+00 4.082318e-01
## 128 1.371847e+01 10.819079500 7.585332e-01 3.642956e-01 3.967329e+00
## 469 6.556756e+00 6.017201690 4.965462e-01 2.158217e+00 1.563925e-01
## 109 1.540335e+01 1.256885742 2.600453e-02 3.640635e-01 8.668178e-02
## 50 8.902630e-02 0.006151529 0.000000e+00 0.000000e+00 4.955398e-03
## 69 7.125620e+00 4.457089826 2.475366e+00 1.502390e-01 4.292542e-02
## 403 3.527519e-01 0.066620262 0.000000e+00 0.000000e+00 1.821273e-02
## 442 9.632522e+00 0.747286421 1.270387e-01 1.494573e-02 2.167131e-01
## 143 6.386706e+00 6.886712952 8.879912e-02 2.751406e+00 2.715887e+00
## 168 1.869720e+01 0.335431565 2.733146e-01 0.000000e+00 6.211696e-02
## 360 1.618351e+01 1.315855733 1.663726e-01 0.000000e+00 0.000000e+00
## 20 1.283142e+01 8.779391361 3.726002e-01 3.718239e+00 3.493127e-01
## 440 2.283131e+00 0.330526238 1.944272e-02 6.249446e-02 8.888100e-02
## 451 3.255335e+00 1.300304399 6.756356e-01 9.539922e-02 5.358038e-02
## 196 4.052590e-02 0.002321796 2.532870e-04 0.000000e+00 1.435292e-03
## 27 2.506234e-02 0.003405417 5.739470e-04 0.000000e+00 2.027945e-03
## 134 8.557293e+00 0.444534723 1.728746e-01 4.939275e-02 2.469637e-02
## 494 3.182680e+00 1.796727845 3.339643e-02 1.836804e-02 5.176446e-02
## 205 2.791698e+00 0.907375244 1.398779e-01 4.174365e-02 5.712290e-02
## 294 1.754698e+02 5.459624175 0.000000e+00 2.539360e-01 0.000000e+00
## 123 3.833584e+00 10.698688960 6.661191e-01 4.193832e+00 9.719902e-01
## 253 6.328091e-02 0.000000000 0.000000e+00 0.000000e+00 0.000000e+00
## 466 1.020876e+01 0.238734987 0.000000e+00 0.000000e+00 6.821000e-02
## 139 6.190207e+00 8.194699733 3.748540e+00 4.092699e-01 6.511112e-02
## 95 2.053787e-02 0.001436345 1.865380e-05 2.425000e-04 9.326920e-05
## 369 8.269435e+00 1.219336242 3.242916e-02 9.080164e-02 7.328989e-01
## 127 1.254352e-01 0.010581297 3.348510e-04 1.004553e-03 4.487006e-03
## 484 1.480880e+00 0.086425136 9.710690e-04 1.845031e-02 3.301634e-02
## 450 8.344854e-02 0.002547573 1.491262e-03 6.213590e-04 1.242720e-04
## 72 5.079946e+00 6.128387088 9.111451e-01 6.240720e-02 1.797327e+00
## 204 4.245192e-01 0.012096719 0.000000e+00 0.000000e+00 1.058463e-02
## 301 5.657539e+00 2.301884211 1.468369e-01 1.334488e+00 1.641118e-01
## 465 2.243147e+00 1.368443676 1.622878e-01 1.787916e-01 5.102438e-01
## 339 2.218989e-01 0.038936265 1.965714e-02 2.646154e-03 9.576557e-03
## 328 1.730013e+02 23.970056610 0.000000e+00 5.210882e-01 0.000000e+00
## 299 6.482146e+00 1.007534249 1.028096e-02 1.028096e-02 0.000000e+00
## 349 4.674467e+00 0.415508212 1.246525e-02 3.365617e-01 0.000000e+00
## 399 1.516075e-01 0.032433437 5.656990e-04 4.148463e-03 8.108359e-03
## 92 8.584232e+00 0.197793365 0.000000e+00 0.000000e+00 1.977934e-01
## 467 9.051351e+00 0.366786772 2.366366e-02 0.000000e+00 2.129730e-01
## 352 1.354208e+01 1.284923018 1.221937e+00 0.000000e+00 0.000000e+00

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## 232 1.115388e+00 0.698730628 5.715211e-02 3.336946e-01 1.216787e-01
## 13 6.015098e+00 0.135419723 2.462177e-03 0.000000e+00 6.894095e-02
## 104 1.608853e+01 0.560576092 0.000000e+00 1.233267e-01 1.737786e-01
## 80 4.622768e-02 0.008337723 0.000000e+00 1.287680e-04 6.084284e-03
## 131 3.648161e-01 0.045450358 3.266453e-03 5.599633e-03 6.906215e-03
## 376 2.453093e+00 1.842803820 1.178798e-01 3.730372e-02 1.984558e-01
## 166 2.660842e-02 0.007932945 5.902490e-04 5.902490e-04 3.329004e-03
## 478 7.721656e+00 5.456446728 1.987400e+00 8.547958e-01 7.835628e-02
## 264 7.398929e+00 12.200683120 3.221302e-01 1.620718e+00 3.875630e+00
## 254 2.353099e+00 1.247395338 9.488301e-02 9.298535e-02 6.135768e-01
## 129 6.190883e+00 0.705696494 2.245398e-01 1.603856e-02 6.415423e-02
## 292 3.302969e+00 1.139259207 1.413035e-01 8.831467e-02 2.119552e-01
## 430 6.565661e-01 0.148753264 2.692947e-02 7.694134e-03 0.000000e+00
## 130 4.168134e+00 0.270365466 0.000000e+00 9.012182e-02 4.667023e-02
## 183 4.894803e+01 1.475039899 9.704210e-02 1.358589e-01 1.358589e-01
## 325 8.419765e+00 3.689936843 5.143548e-01 3.186764e-01 5.199456e-01
## 280 1.036353e+01 4.322718904 2.061710e-02 5.841512e-01 3.298736e-01
## 420 1.366719e+01 3.499685795 3.039201e-01 4.604850e-02 2.735281e+00
## 18 1.892693e+01 5.132726358 5.973432e-01 9.070766e-01 0.000000e+00
## 74 2.636351e+01 0.427030393 0.000000e+00 1.573270e-01 1.348517e-01
## 153 1.414629e-01 0.102195908 1.585945e-02 1.060124e-02 1.882779e-02
## 447 5.446791e+00 1.900043351 1.113637e+00 2.058380e-01 7.916847e-02
## 172 1.794992e+01 9.911355030 9.219865e-01 1.152483e-01 0.000000e+00
## 79 8.782215e+00 6.665543367 5.258811e-01 2.366465e-01 1.393585e+00
## 344 1.198377e+02 41.070128210 2.689624e+00 3.317203e+01 1.280773e-01
## 354 1.117431e+01 0.230737875 1.318502e-01 0.000000e+00 0.000000e+00
## 225 8.227979e+00 3.217293008 2.253006e-01 5.317095e-01 6.308418e-02
## 239 5.534437e+01 35.134345320 2.349199e+00 7.945820e-01 3.040140e+00
## 220 6.151732e+00 0.385133821 2.394075e-01 0.000000e+00 0.000000e+00
## 94 1.201637e-01 0.025801268 1.332460e-03 2.422650e-04 1.792764e-02
## 288 3.725312e+01 12.162865830 9.266945e-01 5.096820e-01 7.645230e-01
## 62 1.668754e+00 6.781450388 0.000000e+00 8.742901e-02 6.104826e+00
## 251 2.411315e+01 2.851909883 1.536957e-01 6.830922e-02 3.927780e-01
## 389 5.823334e+00 0.136260277 0.000000e+00 0.000000e+00 1.434319e-02
## 382 1.439572e-01 0.128314647 9.634934e-03 7.594595e-03 1.015635e-01
## 246 3.859618e+00 0.115135533 0.000000e+00 5.155322e-03 1.374753e-02
## 425 5.484197e+00 0.592437274 6.644156e-02 1.107359e-02 4.457122e-01
## 174 9.700189e+00 0.805663523 5.961910e-01 0.000000e+00 0.000000e+00
## 296 7.800433e+00 0.533777666 3.639393e-02 8.491917e-02 0.000000e+00
## 461 2.376777e+01 7.837568171 4.637614e-02 3.014449e-01 6.956421e-01
## 367 4.280383e+00 6.380023706 4.776006e-01 9.011333e-02 3.955975e+00
## 48 1.540487e+00 1.186518219 6.230575e-01 2.347753e-02 5.417891e-03
## 408 2.363265e-01 0.189328982 0.000000e+00 5.355841e-03 7.498178e-02
## 218 1.726301e+00 4.034673409 7.846825e-02 5.972956e-02 6.581964e-01
##      D1C5_SVC      D1C5_ENT      D1C8_RET      D1C8_OFF      D1C8_IND
## 429 1.018464e-01 0.000000e+00 0.000000e+00 3.040190e-04 6.080381e-03
## 297 3.302422e-01 5.884316e-01 6.004404e-03 7.805726e-02 6.004404e-03
## 221 2.070220e-01 6.044438e-03 5.893327e-02 8.008880e-02 1.641065e+00
## 83 3.687178e-01 1.502184e-01 4.779676e-01 4.779676e-02 6.145297e-02
## 431 5.421866e-03 2.710933e-03 0.000000e+00 1.626560e-03 5.964053e-03
## 284 7.402457e-02 3.896030e-03 1.948015e-02 5.194707e-03 1.207769e-01
## 159 1.868395e+00 3.933464e-01 8.604451e+00 1.278376e+00 1.475049e-01
## 263 1.742966e-03 0.000000e+00 2.145189e-03 0.000000e+00 1.863633e-02
## 435 3.069689e+00 3.588619e-01 1.081749e+00 4.569680e-01 7.977577e-01

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## 302 1.619869e-03 1.157050e-04 5.206720e-04 0.000000e+00 5.900950e-03
## 485 2.979003e-01 1.438139e-01 2.670830e-01 3.081727e-02 1.129966e-01
## 250 8.425085e-03 0.000000e+00 3.707037e-03 0.000000e+00 2.696027e-03
## 410 1.975340e-01 1.755858e-01 0.000000e+00 0.000000e+00 2.853269e-01
## 445 1.810609e+00 9.415166e-01 1.448487e-01 0.000000e+00 2.100306e+00
## 63 4.915146e-01 2.309129e-02 6.927387e-02 1.319502e-02 7.257263e-02
## 247 1.197710e+00 4.606576e-02 2.815130e-01 1.535525e-02 1.023684e-02
## 415 3.452261e-01 0.000000e+00 1.018700e-01 2.263778e-02 1.131889e-02
## 194 3.771656e+00 1.632778e+00 8.272338e+00 4.820007e-01 4.820008e-02
## 390 1.252530e-02 2.274011e-02 1.082283e-02 1.216050e-04 3.392775e-02
## 191 1.310578e+00 3.797697e-01 2.159475e-01 2.606263e-02 2.159475e-01
## 477 9.047589e-01 6.701918e-02 2.441413e-01 0.000000e+00 3.829667e-02
## 468 1.393744e+00 6.357430e-01 1.295938e+00 2.689682e-01 8.558079e-02
## 70 5.876489e-02 0.000000e+00 0.000000e+00 0.000000e+00 1.469122e-02
## 229 8.034514e-02 1.112471e-01 4.326277e-02 1.854119e-02 4.944316e-02
## 97 7.996752e+00 3.866495e-01 1.558587e-01 3.596740e-02 6.893752e-02
## 112 1.182896e+00 9.591052e-02 0.000000e+00 0.000000e+00 0.000000e+00
## 458 2.877675e-03 1.258983e-03 7.194190e-04 5.395640e-04 0.000000e+00
## 126 4.659759e-01 2.232801e-01 8.737048e-02 2.912349e-02 9.707831e-02
## 434 5.352278e-01 2.329815e-01 2.266847e-01 6.296798e-03 1.700136e-01
## 372 1.180966e-02 2.059824e-02 5.492860e-04 0.000000e+00 2.746432e-03
## 171 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00
## 455 1.525598e-01 7.112584e-02 2.814109e-01 2.319321e-02 3.076966e-01
## 432 6.421429e-01 3.445645e-01 8.666318e-01 2.297096e-01 4.594193e-01
## 437 2.674730e-01 0.000000e+00 0.000000e+00 0.000000e+00 1.279219e-01
## 215 8.691425e-02 2.640856e-01 5.916854e-01 1.236857e-01 1.136571e-01
## 441 1.296506e-01 0.000000e+00 6.981187e-02 8.975813e-02 9.474469e-01
## 213 1.122626e-01 0.000000e+00 1.326740e-01 3.929191e-01 0.000000e+00
## 118 1.022825e+00 2.427592e-01 1.003405e-01 5.178863e-02 4.887552e-01
## 456 3.104556e-01 0.000000e+00 1.086595e+00 0.000000e+00 0.000000e+00
## 58 4.882297e-02 0.000000e+00 1.062708e-02 1.293732e-02 4.033671e-01
## 379 2.388092e-01 1.123808e-01 2.809520e-02 2.949996e-01 3.034281e+00
## 407 5.263816e-01 3.172711e-01 3.100604e-01 3.172711e-01 6.345422e-01
## 422 2.583999e-01 0.000000e+00 0.000000e+00 0.000000e+00 1.845714e-02
## 351 6.758037e-02 0.000000e+00 5.631697e-03 0.000000e+00 4.505358e-02
## 452 1.225973e-01 2.977363e-02 2.241780e-01 8.756951e-03 1.331057e-01
## 366 5.736872e-01 4.651518e-02 7.235694e-02 0.000000e+00 4.134682e-02
## 397 1.781472e-01 3.879251e-02 2.984040e-04 6.266483e-03 4.923665e-02
## 201 2.479218e-02 1.951236e-03 0.000000e+00 1.078919e-02 2.754687e-03
## 10 5.758372e-01 0.000000e+00 1.025464e-01 0.000000e+00 1.025464e-01
## 480 2.435990e-04 5.621510e-05 1.873840e-05 5.621510e-05 2.623370e-04
## 446 2.264610e-01 0.000000e+00 1.822100e-02 0.000000e+00 5.206001e-03
## 82 1.479313e-01 0.000000e+00 0.000000e+00 0.000000e+00 3.998144e-03
## 151 3.011248e-01 1.974589e-02 8.885651e-02 0.000000e+00 4.442825e-02
## 236 2.624430e-02 2.241701e-02 2.733780e-04 5.467562e-03 8.474722e-03
## 237 3.783530e+00 6.286023e+00 1.191663e-01 1.161871e+00 1.310829e+00
## 479 3.242832e-03 2.681573e-03 1.028976e-03 6.236220e-05 3.523462e-03
## 383 3.255776e-03 0.000000e+00 0.000000e+00 0.000000e+00 5.046453e-03
## 75 1.928589e+00 6.282526e-01 1.314947e-01 9.253333e-01 2.435088e-01
## 350 5.047672e-03 1.139797e-03 1.302625e-03 2.442420e-04 2.035351e-02
## 310 1.287254e+00 1.222891e+00 2.896322e+00 4.290847e-01 4.290847e-02
## 475 3.341488e+00 0.000000e+00 1.023651e-01 0.000000e+00 2.193537e-02
## 101 1.011440e+00 1.188930e-01 8.916977e-02 7.473276e-02 9.001901e-02
## 65 2.687135e-01 1.569130e-02 7.173165e-02 4.146986e-02 6.724842e-03

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## 291 6.878484e-01 2.227691e-01 6.839401e-01 2.325397e-01 3.517406e-02
## 199 3.579599e-03 0.000000e+00 0.000000e+00 7.457500e-04 6.115149e-03
## 436 1.573005e+00 4.148981e+00 1.024618e+00 1.421477e+00 5.700339e-01
## 387 2.907883e+00 0.000000e+00 1.230507e-01 7.123990e-02 3.756286e-01
## 100 9.621248e-02 2.047599e-01 1.233493e-01 1.480192e-02 5.970108e-01
## 334 1.014334e-01 0.000000e+00 0.000000e+00 2.652875e-01 7.022315e-02
## 439 5.007168e-01 1.889498e-02 7.274565e-01 0.000000e+00 6.613241e-02
## 87 5.384728e-01 2.758031e-01 1.096646e+00 5.253393e-02 9.850111e-01
## 333 5.842573e-01 1.728085e-01 5.348834e-01 6.583181e-02 1.341323e+00
## 184 4.942436e-01 6.125242e-01 2.914770e-01 1.309534e-01 1.541871e-01
## 186 6.128856e+00 8.419835e-01 1.781872e+00 9.790505e-01 4.895253e-01
## 49 1.188370e-04 0.000000e+00 5.941850e-05 1.188370e-04 3.961230e-04
## 357 6.132864e-02 0.000000e+00 0.000000e+00 0.000000e+00 1.533216e-01
## 224 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00 1.110166e-02
## 486 7.245911e-02 1.401581e-02 2.988277e-02 0.000000e+00 7.087241e-02
## 164 5.108269e-01 3.093517e-02 1.824382e-02 7.138886e-02 2.270166e+00
## 226 1.083397e-01 1.534813e-01 6.319818e-02 7.674064e-02 1.805662e-02
## 404 2.234355e-01 4.468709e-02 4.021838e-01 9.831160e-02 4.468709e-02
## 272 9.137359e-01 5.710850e-02 0.000000e+00 0.000000e+00 0.000000e+00
## 238 7.768097e-03 1.025975e-03 1.538963e-03 1.099259e-03 4.470320e-03
## 140 1.671885e-02 5.071229e-03 1.136974e-02 3.705010e-04 1.523685e-02
## 31 7.489170e-02 1.239458e-01 1.700041e-01 1.610171e-02 3.347659e-01
## 313 3.907380e-04 2.735166e-03 0.000000e+00 0.000000e+00 2.604920e-04
## 359 1.724948e-02 2.331873e-02 1.916608e-02 2.555478e-03 6.260921e-02
## 181 1.125983e-03 0.000000e+00 1.299210e-04 0.000000e+00 1.277558e-03
## 90 7.328880e+00 2.542673e+00 5.384484e-01 2.542673e+00 9.273277e-01
## 444 2.779283e-01 0.000000e+00 6.176184e-02 6.176184e-02 1.338173e+00
## 85 1.186415e-01 2.083322e-01 2.764517e-01 4.802426e-01 7.935923e-01
## 187 1.467309e-01 0.000000e+00 2.223195e-03 7.781183e-03 2.000876e-02
## 30 3.963181e-01 1.532158e-02 1.021438e-02 0.000000e+00 2.231843e-01
## 304 2.499818e-01 1.103816e-01 1.460933e-02 0.000000e+00 5.356754e-02
## 202 1.149675e-03 2.874188e-03 5.748380e-04 0.000000e+00 4.023863e-03
## 37 0.000000e+00 5.602100e-04 6.722530e-04 0.000000e+00 3.361260e-04
## 287 9.873972e-01 1.215258e+00 8.439292e-01 5.232361e-01 3.797681e-01
## 471 2.023812e-02 1.619050e-01 1.497621e+00 0.000000e+00 0.000000e+00
## 314 2.991295e-01 2.186619e-01 2.309070e-01 1.836760e-01 1.224507e-01
## 36 1.065913e+00 0.000000e+00 3.654560e-01 3.045467e-02 1.218187e-01
## 5 6.196450e-05 0.000000e+00 1.239290e-04 0.000000e+00 7.848840e-04
## 108 2.005193e-01 4.359115e-02 0.000000e+00 2.034253e-02 6.248065e-02
## 47 3.362703e-03 0.000000e+00 0.000000e+00 0.000000e+00 8.070486e-03
## 89 0.000000e+00 0.000000e+00 3.510768e-01 0.000000e+00 0.000000e+00
## 454 2.185822e-03 1.092911e-03 5.464560e-04 3.278730e-04 8.743290e-04
## 336 9.052404e-01 0.000000e+00 1.331236e-02 0.000000e+00 1.597483e-01
## 252 7.178256e-03 2.610275e-03 9.788530e-04 0.000000e+00 1.207252e-02
## 464 1.796566e+00 4.923922e-01 5.722395e-01 1.064632e-01 5.589316e-01
## 212 1.580541e-02 4.085751e-03 2.687994e-03 2.472955e-03 3.118073e-02
## 233 2.580724e+00 2.387027e+00 1.293210e+00 7.861808e-01 2.124967e+00
## 428 0.000000e+00 0.000000e+00 2.558652e+00 0.000000e+00 0.000000e+00
## 154 4.260080e-04 0.000000e+00 2.434330e-04 1.217160e-04 1.704031e-03
## 40 1.335094e+01 3.069181e-02 6.138362e-02 2.762263e-01 5.261453e-01
## 356 6.019280e-03 1.770380e-04 4.425940e-04 0.000000e+00 5.311129e-03
## 473 2.035043e+00 0.000000e+00 2.233584e-01 0.000000e+00 0.000000e+00
## 133 2.066051e+00 2.208221e+00 3.393735e+00 1.043344e+00 8.942950e-01
## 152 1.704517e+00 1.347380e+00 2.110354e-01 2.922029e-01 5.844057e-01

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## 4 2.591322e-03 0.000000e+00 6.097230e-05 1.219450e-04 1.249932e-03
## 56 2.907342e-02 0.000000e+00 0.000000e+00 6.015191e-03 4.210634e-02
## 384 1.419728e-01 1.850432e-01 1.339968e-01 1.435680e-02 7.337919e-02
## 145 2.141600e-04 0.000000e+00 0.000000e+00 7.138670e-05 1.070800e-04
## 234 2.326500e-01 1.420976e-01 1.797116e-01 1.114491e-01 1.574218e-01
## 361 1.145995e-01 9.167962e-02 4.583981e-02 0.000000e+00 4.813180e-01
## 348 5.491366e-03 0.000000e+00 1.647410e-02 0.000000e+00 4.393093e-02
## 197 3.185514e-01 2.895922e-03 2.316737e-02 7.239804e-02 1.447961e-03
## 136 4.292522e-01 0.000000e+00 1.119788e-01 3.359365e-01 5.598942e-02
## 192 2.996058e+00 2.147712e-02 0.000000e+00 1.073856e-02 0.000000e+00
## 258 1.295923e-03 2.858650e-04 1.658019e-03 1.143460e-04 8.213863e-03
## 61 9.314069e-02 5.821293e-03 0.000000e+00 1.746388e-02 3.492776e-02
## 240 1.025283e+00 4.613772e+00 1.486660e+00 1.794245e-01 9.227544e-01
## 293 8.495916e-02 0.000000e+00 7.787923e-02 7.079930e-03 2.831972e-02
## 255 6.420230e-05 0.000000e+00 0.000000e+00 0.000000e+00 6.420230e-04
## 245 8.293398e-03 9.620342e-02 1.658680e-03 2.819755e-02 0.000000e+00
## 77 2.075805e-01 4.989915e-01 1.149676e+00 4.391125e-02 3.991932e-03
## 156 7.423860e-04 2.227159e-03 0.000000e+00 0.000000e+00 1.262057e-02
## 43 6.534982e-01 0.000000e+00 0.000000e+00 0.000000e+00 4.752714e-01
## 474 1.587887e-02 3.175773e-03 1.814728e-03 2.268410e-04 8.393116e-03
## 449 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00
## 214 1.225668e-02 0.000000e+00 0.000000e+00 0.000000e+00 2.451337e-02
## 91 1.610356e-01 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00
## 285 8.181440e-04 0.000000e+00 4.363433e-03 8.181440e-04 1.636287e-03
## 364 2.877647e-01 0.000000e+00 1.644369e-01 1.918431e-01 0.000000e+00
## 178 0.000000e+00 4.486300e-05 1.794520e-04 0.000000e+00 1.861814e-03
## 93 6.546182e-01 0.000000e+00 2.909414e-02 0.000000e+00 1.527443e-01
## 84 2.108260e+00 0.000000e+00 0.000000e+00 0.000000e+00 1.360168e-01
## 146 2.103379e-01 7.987515e-03 0.000000e+00 1.331253e-02 4.526258e-02
## 64 7.701320e-02 0.000000e+00 0.000000e+00 2.406663e-03 2.647329e-02
## 326 3.841059e+00 1.939451e+00 8.514662e-02 3.973509e-01 1.040681e-01
## 273 0.000000e+00 7.028490e-04 0.000000e+00 0.000000e+00 9.839890e-04
## 355 9.342157e-01 7.006618e-02 0.000000e+00 3.892565e-03 5.838848e-02
## 228 1.136799e-01 3.473552e-02 2.481109e-02 3.157775e-03 2.345775e-02
## 117 1.000692e-01 5.438544e-02 0.000000e+00 4.350835e-03 2.175418e-03
## 29 2.637005e-02 4.322960e-04 1.404962e-03 2.485701e-03 7.565180e-04
## 45 6.966992e-01 1.532738e-01 8.360391e-02 9.753789e-01 5.434254e-01
## 176 1.477195e-02 9.400334e-02 0.000000e+00 8.057429e-03 1.342905e-02
## 198 2.047889e-01 6.931318e-01 0.000000e+00 0.000000e+00 4.725899e-02
## 488 2.542451e-02 6.151090e-04 6.151090e-04 2.665473e-03 9.226637e-03
## 35 6.484707e-02 0.000000e+00 0.000000e+00 3.242354e-03 1.296941e-02
## 54 5.441497e-01 0.000000e+00 0.000000e+00 2.687159e-02 0.000000e+00
## 208 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00
## 402 8.254920e-04 0.000000e+00 0.000000e+00 0.000000e+00 1.574785e-03
## 417 2.320087e-02 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00
## 345 1.036430e-01 1.007905e-01 1.236110e-01 2.377134e-02 5.895293e-01
## 60 6.471562e-01 1.400512e+00 3.650624e-01 4.214812e-01 7.931811e-01
## 105 8.733585e-02 0.000000e+00 5.198563e-03 1.039713e-03 7.277988e-03
## 283 9.969562e-01 0.000000e+00 0.000000e+00 1.710045e-03 1.179931e-01
## 210 5.794717e-02 0.000000e+00 7.168723e-03 2.389574e-03 5.615499e-02
## 207 5.209399e+00 0.000000e+00 0.000000e+00 1.310975e+00 0.000000e+00
## 487 1.655107e+00 1.080417e+00 8.390475e-01 1.379256e-01 3.448140e-02
## 33 1.538615e+00 1.500468e-01 2.534688e-01 1.186811e-02 5.934052e-03
## 267 2.950643e-01 2.636745e-01 7.721895e-01 0.000000e+00 0.000000e+00

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## 163 4.295691e-03 0.000000e+00 0.000000e+00 6.443536e-03 8.591382e-03
## 81 1.809282e+00 3.087512e-01 2.470010e-02 5.557522e-02 0.000000e+00
## 223 1.016169e+00 3.785729e-01 1.155644e+00 0.000000e+00 0.000000e+00
## 386 4.852784e-03 0.000000e+00 3.119647e-03 5.199410e-04 2.192418e-02
## 343 5.088916e-01 4.381186e-02 3.370143e-03 1.011043e-02 5.055214e-02
## 137 3.558768e+01 2.461396e+01 3.794652e+00 1.312744e+01 2.153721e+00
## 483 4.602163e-01 1.314904e-01 0.000000e+00 2.301081e-01 6.574518e-02
## 71 3.884950e-02 1.942470e-04 2.913712e-03 5.827420e-04 1.087786e-02
## 358 7.860138e-02 1.886433e-02 6.303831e-01 1.100419e-02 3.144055e-02
## 323 4.280233e-02 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00
## 385 3.492090e-03 0.000000e+00 0.000000e+00 1.746040e-04 1.280433e-03
## 261 4.640742e-03 4.640742e-03 3.016482e-02 2.552408e-02 4.408705e-02
## 17 7.143272e-01 3.267667e-01 5.319458e-01 2.431752e-01 1.322265e+00
## 275 2.270627e+00 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00
## 338 1.537784e-01 0.000000e+00 1.713531e-01 4.833035e-02 1.133566e+00
## 315 7.168716e-02 3.024774e-02 8.590360e-02 3.448243e-02 3.206261e-02
## 189 3.534665e-02 0.000000e+00 0.000000e+00 0.000000e+00 8.836664e-02
## 243 7.441997e-01 3.299407e-02 5.059091e-01 1.466403e-02 2.137283e+00
## 179 3.734767e+00 2.110955e+00 1.623812e+00 2.110955e+00 4.871435e-01
## 107 0.000000e+00 2.217909e-02 4.435818e-02 5.914424e-02 2.217909e-02
## 305 2.237053e+00 1.026171e-01 8.209368e-02 2.360193e-01 1.026171e-02
## 248 4.795801e-02 3.670860e-02 1.717015e-02 9.473187e-03 5.743120e-02
## 419 1.793538e+01 8.163281e+00 4.171020e-01 6.316115e+00 1.474753e+00
## 395 4.497002e+00 2.141429e-01 3.569049e-01 1.070715e+00 3.569049e-01
## 496 2.552397e-03 0.000000e+00 0.000000e+00 0.000000e+00 1.418000e-04
## 86 3.610842e+00 0.000000e+00 1.245118e-01 1.207764e+00 1.992189e-01
## 438 1.831250e-01 0.000000e+00 1.023346e-01 1.615809e-02 5.709192e-01
## 282 7.998030e-05 2.279439e-03 5.598621e-03 0.000000e+00 1.119724e-03
## 23 1.138200e+00 2.039274e-01 3.082624e-02 1.896999e-02 4.268248e-02
## 321 9.819170e-01 5.968515e-01 3.176790e-01 1.732795e-01 0.000000e+00
## 406 1.439713e-03 3.199360e-05 2.559490e-04 1.407719e-03 4.831036e-03
## 51 5.048971e-02 8.015241e-01 1.262243e-01 1.451579e-01 9.466820e-02
## 55 5.814788e-02 2.801671e-01 2.273054e-01 0.000000e+00 0.000000e+00
## 106 3.417438e-03 3.797150e-04 0.000000e+00 0.000000e+00 8.733452e-03
## 427 5.965402e-01 0.000000e+00 0.000000e+00 1.590774e-02 0.000000e+00
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## 324 9.831015e-02 3.047615e+00 3.686631e-01 3.686631e-01 4.915507e-02
## 15 3.691477e-01 0.000000e+00 1.230492e-01 0.000000e+00 1.804722e+00
## 303 2.754979e-02 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00
## 169 1.462092e+00 0.000000e+00 1.053760e-01 1.317200e-02 2.173379e-01
## 116 1.779743e-01 1.501429e-02 4.138085e-02 5.859235e-03 4.687388e-02
## 102 1.528840e-05 1.528840e-05 6.115340e-05 8.153790e-05 1.783640e-04
## 262 2.109916e-01 1.637004e-01 1.455114e-01 1.333855e-02 4.122824e-02
## 448 1.113358e-01 6.020735e-02 4.443876e-02 6.689706e-03 3.249286e-02
## 380 3.269786e-02 1.077819e-01 2.300961e-02 1.453239e-02 2.785374e-02
## 418 1.818485e-01 3.636970e-02 0.000000e+00 1.454788e-02 1.454788e-01
## 489 1.864752e+00 1.355122e+00 1.949042e+00 2.995534e-01 7.780607e-02
## 235 2.114021e-01 1.404888e-01 1.070391e-02 4.013965e-03 4.281562e-02
## 457 1.162322e+00 2.869930e-02 1.291469e-01 7.174825e-02 8.609790e-02
## 244 1.397271e+00 0.000000e+00 2.388498e-02 2.388498e-02 4.776996e-02
## 25 7.074454e-03 6.752888e-03 4.823492e-03 0.000000e+00 4.678787e-02
## 281 6.364592e+00 2.501591e+00 1.922992e+00 2.263344e+00 1.463516e+00
## 119 3.487793e+00 2.382553e-01 1.323640e-02 4.632741e-02 1.654551e-01
## 400 2.637470e-05 0.000000e+00 6.329930e-04 0.000000e+00 7.648660e-04

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## 481 4.635543e-02 2.758148e-01 1.854217e-02 0.000000e+00 1.089353e-01
## 180 3.601504e+00 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00
## 482 1.066350e+00 1.695882e-01 3.931364e-01 1.618797e-01 3.337805e+00
## 319 3.939338e-01 0.000000e+00 1.866002e-01 0.000000e+00 2.073336e-02
## 38 2.197350e-02 0.000000e+00 0.000000e+00 8.789400e-04 2.461032e-02
## 388 3.480074e-01 5.302969e-02 0.000000e+00 9.943068e-03 2.651485e-02
## 309 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00 6.727910e-04
## 78 7.261359e-03 0.000000e+00 0.000000e+00 0.000000e+00 1.383116e-02
## 7 1.854616e+00 8.100620e-01 2.877852e-01 8.367088e-01 3.890430e-01
## 12 4.725176e-02 8.446775e-02 2.847650e-01 6.272358e-02 5.519675e-02
## 211 2.343384e-03 8.494768e-03 3.954461e-03 4.393850e-04 3.075692e-03
## 167 1.763553e-02 6.298400e-04 0.000000e+00 9.447610e-04 1.574601e-02
## 377 8.216412e-01 0.000000e+00 0.000000e+00 6.573130e-03 9.859695e-02
## 332 5.417924e-01 0.000000e+00 0.000000e+00 4.249352e-02 1.062338e-02
## 144 1.109637e+00 2.721045e-01 3.981713e-01 6.253412e-01 5.704210e-01
## 260 6.149766e+00 9.744812e-01 5.432074e-01 6.913549e-01 3.160479e-01
## 453 4.802486e+00 1.516079e+01 8.192476e+00 3.107491e+00 1.600829e+00
## 491 1.970091e-01 9.850457e-02 1.164145e-01 8.954961e-03 1.164145e-01
## 52 9.775460e-02 3.989984e-03 1.795493e-02 1.994992e-03 1.994992e-03
## 206 1.362826e-01 0.000000e+00 0.000000e+00 0.000000e+00 3.407064e-01
## 160 4.706472e-02 3.137648e-03 6.902826e-02 3.137648e-02 0.000000e+00
## 277 4.359931e-02 1.831904e-03 7.327616e-03 2.198285e-03 1.502161e-02
## 88 1.153738e+01 3.670983e-01 5.637582e-01 6.555328e-01 1.756828e+00
## 1 2.396388e-01 1.261257e-02 5.549530e-01 0.000000e+00 0.000000e+00
## 426 2.664497e-02 1.776331e-02 1.776331e-02 8.881657e-02 8.881657e-03
## 353 9.747690e-02 1.072246e-02 3.899076e-03 2.436923e-02 1.325686e-01
## 157 4.883929e-01 4.359209e-01 8.072610e-03 3.229044e-02 3.229044e-02
## 368 1.469169e+00 4.026610e-01 0.000000e+00 1.572555e+00 1.088273e-02
## 365 2.500918e+01 8.186860e+00 1.659802e+01 7.457893e+00 1.850455e+00
## 57 6.347670e-01 2.649998e-01 2.403487e-01 1.848836e-02 1.241801e+00
## 493 1.023511e-02 0.000000e+00 0.000000e+00 5.117555e-03 7.343691e-01
## 259 1.485139e-02 1.789324e-03 3.399715e-03 1.610391e-03 3.882832e-02
## 265 1.319805e-01 3.568984e-02 4.766629e-02 7.185873e-03 5.988228e-03
## 307 6.386220e-02 0.000000e+00 7.828270e-03 0.000000e+00 2.678092e-02
## 170 7.588775e-02 9.791968e-03 1.713594e-02 1.713594e-02 2.692791e-02
## 121 3.829208e-02 0.000000e+00 9.242916e-03 2.640833e-03 6.866166e-02
## 276 1.397083e-02 6.853620e-04 2.636010e-04 0.000000e+00 3.215927e-03
## 394 1.456499e+00 5.328655e-02 0.000000e+00 0.000000e+00 6.216764e-02
## 32 3.605141e+00 4.890090e-01 4.734023e-01 8.323557e-02 5.202223e-02
## 2 4.707515e+00 0.000000e+00 0.000000e+00 1.062987e+00 0.000000e+00
## 219 4.768870e-04 0.000000e+00 9.537740e-05 0.000000e+00 6.008778e-03
## 327 7.713190e-04 0.000000e+00 3.353560e-04 0.000000e+00 5.701050e-04
## 257 7.037610e+00 3.310922e+00 2.028130e+00 1.926723e+00 8.974474e-01
## 227 3.534620e-01 0.000000e+00 0.000000e+00 0.000000e+00 6.841200e-01
## 195 1.488210e-01 7.234354e-03 0.000000e+00 6.200875e-03 4.960700e-02
## 59 3.453093e-02 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00
## 497 0.000000e+00 0.000000e+00 2.190830e-04 0.000000e+00 1.643130e-04
## 311 7.072858e-02 4.062509e-02 1.607468e-02 5.260803e-03 3.068802e-02
## 363 6.210113e-02 6.424255e-03 3.426269e-02 2.997986e-02 8.993957e-02
## 46 1.721868e-03 5.380840e-05 1.022359e-03 2.690420e-04 2.206143e-03
## 490 1.791644e+00 2.714613e+00 2.171690e-01 3.909042e+00 0.000000e+00
## 286 2.852056e-01 1.324169e-01 1.986253e+00 7.130139e-02 1.030814e+01
## 256 8.294851e-01 1.145877e-01 1.530929e-01 3.743817e-01 9.695883e-02
## 41 6.598315e-03 0.000000e+00 1.583596e-02 6.598310e-04 9.897472e-03

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## 462 8.459206e-01 2.014097e-02 0.000000e+00 1.342731e-02 1.497145e+00
## 110 2.741355e-01 8.009056e-01 5.858974e-01 4.515172e-01 5.321453e-01
## 249 0.000000e+00 0.000000e+00 1.709305e-02 0.000000e+00 1.416282e-01
## 185 2.292183e-01 2.470616e-01 3.156899e-02 3.294155e-02 2.745129e-02
## 150 1.161834e+00 1.058491e+00 3.726638e-01 1.002121e-01 1.252652e-02
## 331 1.344260e-01 0.000000e+00 3.537526e-03 0.000000e+00 3.289899e-01
## 271 4.397770e-05 3.958000e-04 2.198890e-04 0.000000e+00 4.397770e-04
## 268 5.486229e-01 1.455530e-01 0.000000e+00 0.000000e+00 0.000000e+00
## 463 2.877926e+00 0.000000e+00 1.692898e-01 0.000000e+00 2.418425e-02
## 495 3.487847e-02 3.695732e-03 9.239330e-04 0.000000e+00 1.501391e-02
## 362 1.855814e+00 1.302326e-01 3.320931e+00 2.930233e-01 1.627907e-01
## 460 9.974451e+00 3.332041e-01 7.151698e-01 6.068107e+00 1.820432e+00
## 330 1.573567e-01 2.950438e-02 0.000000e+00 0.000000e+00 4.425656e-01
## 231 4.061093e-01 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00
## 19 2.560225e-01 0.000000e+00 1.400878e-01 4.830613e-02 1.057904e+00
## 142 3.611533e+00 2.534409e-01 4.435216e-01 1.900807e-01 2.407689e+00
## 472 4.596805e-03 6.071250e-04 2.255036e-03 4.336610e-04 3.460614e-02
## 279 1.554310e+00 7.055026e-01 9.700661e-01 4.188922e-01 1.333841e+00
## 295 1.283848e-03 5.383880e-04 5.383880e-04 6.212170e-04 7.413186e-03
## 148 2.348660e-04 0.000000e+00 5.871640e-05 0.000000e+00 7.339550e-05
## 99 8.001140e-03 0.000000e+00 3.704232e-03 2.963390e-04 9.334664e-03
## 373 5.864963e-01 1.778718e-01 0.000000e+00 0.000000e+00 1.442204e-02
## 312 7.377000e-02 0.000000e+00 0.000000e+00 4.255961e-03 1.844250e-02
## 393 6.069400e-04 1.416193e-03 0.000000e+00 0.000000e+00 2.832385e-03
## 173 2.355834e-01 1.796823e-01 5.749833e-01 1.637105e-01 7.985879e-03
## 162 1.994581e-01 3.203418e-01 0.000000e+00 4.230930e-02 5.137558e-01
## 374 1.108565e-01 1.786021e-01 8.622169e-02 9.238039e-02 1.539673e-01
## 76 1.446326e+00 6.657690e-01 2.123574e-01 5.050662e-01 2.180968e-01
## 500 2.426915e+00 5.862113e-02 8.793169e-02 2.931056e-02 1.758634e-02
## 216 1.322964e-02 9.716436e-02 1.512589e-01 1.190668e-02 2.954620e-02
## 411 1.905699e+01 3.742691e+00 8.885340e-01 1.474088e+01 6.555522e+00
## 230 2.034385e+00 5.256810e-01 2.418133e-01 1.839883e-01 2.129008e+00
## 16 5.496510e-04 0.000000e+00 0.000000e+00 0.000000e+00 9.331280e-04
## 222 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00
## 8 1.965395e+00 6.551316e-02 0.000000e+00 6.551316e-02 1.310263e-01
## 340 1.212313e-02 3.416518e-03 1.432733e-02 3.306308e-03 3.306308e-03
## 22 9.525410e-02 1.043259e-01 7.711046e-02 0.000000e+00 4.082318e-01
## 128 3.403419e+00 2.325503e+00 7.585332e-01 3.642956e-01 3.967329e+00
## 469 1.661670e+00 1.544376e+00 4.965462e-01 9.383550e-02 1.563925e-01
## 109 5.894361e-01 1.906999e-01 2.600453e-02 3.640635e-01 8.668178e-02
## 50 1.025255e-03 1.708760e-04 0.000000e+00 0.000000e+00 4.955398e-03
## 69 1.788559e+00 0.000000e+00 2.475366e+00 1.502390e-01 4.292542e-02
## 403 4.792825e-02 4.792820e-04 0.000000e+00 0.000000e+00 1.821273e-02
## 442 2.839688e-01 1.046201e-01 1.270387e-01 1.494573e-02 2.167131e-01
## 143 4.166728e-01 9.139478e-01 8.879912e-02 2.751406e+00 2.715887e+00
## 168 0.000000e+00 0.000000e+00 2.733146e-01 0.000000e+00 6.211696e-02
## 360 1.149483e+00 0.000000e+00 1.663726e-01 0.000000e+00 0.000000e+00
## 20 4.308189e+00 3.105001e-02 3.726002e-01 4.657502e-02 3.493127e-01
## 440 9.026977e-02 6.943829e-02 1.944272e-02 1.388766e-02 8.888100e-02
## 451 3.868242e-01 8.886502e-02 6.756356e-01 9.539922e-02 5.358038e-02
## 196 6.332170e-04 0.000000e+00 2.532870e-04 0.000000e+00 1.435292e-03
## 27 7.652620e-04 3.826310e-05 5.739470e-04 0.000000e+00 2.027945e-03
## 134 1.975710e-01 0.000000e+00 1.728746e-01 4.939275e-02 2.469637e-02
## 494 1.661472e+00 3.172661e-02 3.339643e-02 1.836804e-02 5.176446e-02

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## 205 3.698341e-01 2.987967e-01 1.398779e-01 4.174365e-02 5.712290e-02
## 294 5.205688e+00 0.000000e+00 0.000000e+00 2.539360e-01 0.000000e+00
## 123 3.745221e+00 1.121527e+00 6.661191e-01 1.570138e+00 9.719902e-01
## 253 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00
## 466 1.705250e-01 0.000000e+00 0.000000e+00 0.000000e+00 6.821000e-02
## 139 1.674286e+00 2.297492e+00 3.748540e+00 4.092699e-01 6.511112e-02
## 95 1.081922e-03 0.000000e+00 1.865380e-05 0.000000e+00 9.326920e-05
## 369 1.426883e-01 2.205183e-01 3.242916e-02 9.080164e-02 7.328989e-01
## 127 4.754887e-03 0.000000e+00 3.348510e-04 1.004553e-03 4.487006e-03
## 484 3.398741e-02 0.000000e+00 9.710690e-04 1.845031e-02 3.301634e-02
## 450 3.106800e-04 0.000000e+00 1.491262e-03 2.485440e-04 1.242720e-04
## 72 1.697476e+00 1.660032e+00 9.111451e-01 6.240720e-02 1.797327e+00
## 204 1.512090e-03 0.000000e+00 0.000000e+00 0.000000e+00 1.058463e-02
## 301 1.381994e-01 5.182479e-01 1.468369e-01 2.029804e-01 1.641118e-01
## 465 3.713365e-01 1.457839e-01 1.622878e-01 1.787916e-01 5.102438e-01
## 339 5.040293e-03 2.016117e-03 1.965714e-02 2.142125e-03 9.576557e-03
## 328 2.310158e+01 3.473921e-01 0.000000e+00 5.210882e-01 0.000000e+00
## 299 9.869723e-01 0.000000e+00 1.028096e-02 1.028096e-02 0.000000e+00
## 349 6.648131e-02 0.000000e+00 1.246525e-02 3.365617e-01 0.000000e+00
## 399 1.112542e-02 8.485492e-03 5.656990e-04 4.148463e-03 8.108359e-03
## 92 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00 1.977934e-01
## 467 1.301501e-01 0.000000e+00 2.366366e-02 0.000000e+00 2.129730e-01
## 352 6.298642e-02 0.000000e+00 1.221937e+00 0.000000e+00 0.000000e+00
## 232 1.253659e-01 6.083934e-02 5.715211e-02 8.664997e-02 1.216787e-01
## 13 6.401660e-02 0.000000e+00 2.462177e-03 0.000000e+00 6.894095e-02
## 104 2.634708e-01 0.000000e+00 0.000000e+00 1.233267e-01 1.737786e-01
## 80 1.448639e-03 6.760320e-04 0.000000e+00 0.000000e+00 6.084284e-03
## 131 5.132997e-03 2.454506e-02 3.266453e-03 5.599633e-03 6.906215e-03
## 376 6.416240e-01 8.475405e-01 1.178798e-01 3.730372e-02 1.984558e-01
## 166 3.258174e-03 1.652700e-04 5.902490e-04 7.082990e-05 3.329004e-03
## 478 1.047125e+00 1.488769e+00 1.987400e+00 8.547958e-01 7.835628e-02
## 264 5.315149e+00 1.067056e+00 3.221302e-01 1.620718e+00 3.875630e+00
## 254 1.929288e-01 2.530214e-01 9.488301e-02 9.298535e-02 6.135768e-01
## 129 4.009639e-01 0.000000e+00 2.245398e-01 1.603856e-02 6.415423e-02
## 292 4.150789e-01 2.826069e-01 1.413035e-01 8.831467e-02 2.119552e-01
## 430 3.847067e-02 7.565899e-02 2.692947e-02 7.694134e-03 0.000000e+00
## 130 1.335734e-01 0.000000e+00 0.000000e+00 9.012182e-02 4.667023e-02
## 183 7.763368e-01 3.299431e-01 9.704210e-02 1.358589e-01 1.358589e-01
## 325 1.464793e+00 8.721669e-01 5.143548e-01 3.130855e-01 5.199456e-01
## 280 3.388077e+00 0.000000e+00 2.061710e-02 5.841512e-01 3.298736e-01
## 420 4.144365e-01 0.000000e+00 3.039201e-01 4.604850e-02 2.735281e+00
## 18 2.411496e+00 1.216810e+00 5.973432e-01 9.070766e-01 0.000000e+00
## 74 1.348517e-01 0.000000e+00 0.000000e+00 1.573270e-01 1.348517e-01
## 153 4.121760e-02 1.568983e-02 1.585945e-02 1.865817e-03 1.882779e-02
## 447 2.850065e-01 2.163938e-01 1.113637e+00 2.058380e-01 7.916847e-02
## 172 4.782805e+00 4.091315e+00 9.219865e-01 1.152483e-01 0.000000e+00
## 79 3.957256e+00 5.521752e-01 5.258811e-01 2.366465e-01 1.393585e+00
## 344 5.080400e+00 0.000000e+00 2.689624e+00 0.000000e+00 1.280773e-01
## 354 9.888766e-02 0.000000e+00 1.318502e-01 0.000000e+00 0.000000e+00
## 225 2.311584e+00 8.561424e-02 2.253006e-01 4.506013e-03 6.308418e-02
## 239 2.463204e+01 4.318381e+00 2.349199e+00 7.945820e-01 3.040140e+00
## 220 1.457263e-01 0.000000e+00 2.394075e-01 0.000000e+00 0.000000e+00
## 94 5.693238e-03 6.056640e-04 1.332460e-03 0.000000e+00 1.792764e-02
## 288 5.143155e+00 4.818812e+00 9.266945e-01 5.096820e-01 7.645230e-01

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## 62 5.891955e-01 0.000000e+00 0.000000e+00 8.742901e-02 6.104826e+00
## 251 2.134663e+00 1.024638e-01 1.536957e-01 6.830922e-02 3.927780e-01
## 389 1.219171e-01 0.000000e+00 0.000000e+00 0.000000e+00 1.434319e-02
## 382 6.007665e-03 3.513917e-03 9.634934e-03 7.594595e-03 1.015635e-01
## 246 9.623268e-02 0.000000e+00 0.000000e+00 5.155322e-03 1.374753e-02
## 425 6.920996e-02 0.000000e+00 6.644156e-02 1.107359e-02 4.457122e-01
## 174 1.450194e-01 6.445308e-02 5.961910e-01 0.000000e+00 0.000000e+00
## 296 1.455757e-01 2.668888e-01 3.639393e-02 8.491917e-02 0.000000e+00
## 461 1.344908e+00 5.449197e+00 4.637614e-02 3.014449e-01 6.956421e-01
## 367 1.522915e+00 3.334193e-01 4.776006e-01 9.011333e-02 3.955975e+00
## 48 4.316253e-01 1.029399e-01 6.230575e-01 2.347753e-02 5.417891e-03
## 408 1.075185e-01 1.472856e-03 0.000000e+00 3.615193e-03 7.498178e-02
## 218 2.993505e+00 2.447741e-01 7.846825e-02 5.972956e-02 6.581964e-01
##      D1C8_SVC      D1C8_ENT      D1C8_ED      D1C8_HLTH      D1C8_PUB
## 429 6.080381e-03 0.000000e+00 0.000000e+00 9.576600e-02 0.000000e+00
## 297 3.182334e-01 5.884316e-01 0.000000e+00 1.200881e-02 0.000000e+00
## 221 1.526221e-01 6.044438e-03 5.439994e-02 0.000000e+00 0.000000e+00
## 83 2.389838e-01 1.502184e-01 0.000000e+00 1.297341e-01 0.000000e+00
## 431 5.421866e-03 2.710933e-03 0.000000e+00 0.000000e+00 0.000000e+00
## 284 2.337618e-02 3.896030e-03 0.000000e+00 5.064839e-02 0.000000e+00
## 159 1.081702e+00 3.933464e-01 9.833659e-02 6.883561e-01 0.000000e+00
## 263 6.703710e-04 0.000000e+00 0.000000e+00 1.072594e-03 0.000000e+00
## 435 2.710827e-01 3.588619e-01 0.000000e+00 2.798606e+00 0.000000e+00
## 302 1.619869e-03 1.157050e-04 0.000000e+00 0.000000e+00 0.000000e+00
## 485 2.568106e-01 1.438139e-01 0.000000e+00 4.108969e-02 0.000000e+00
## 250 6.740070e-04 0.000000e+00 7.751078e-03 0.000000e+00 0.000000e+00
## 410 1.975340e-01 1.755858e-01 0.000000e+00 0.000000e+00 0.000000e+00
## 445 2.896974e-01 9.415166e-01 0.000000e+00 1.520911e+00 0.000000e+00
## 63 1.352490e-01 2.309129e-02 3.463694e-01 9.896268e-03 1.055602e-01
## 247 3.326972e-01 4.606576e-02 8.650126e-01 0.000000e+00 0.000000e+00
## 415 0.000000e+00 0.000000e+00 3.225884e-01 2.263778e-02 0.000000e+00
## 194 2.036453e+00 1.632778e+00 0.000000e+00 1.735203e+00 0.000000e+00
## 390 1.118764e-02 2.274011e-02 1.094444e-03 2.432100e-04 0.000000e+00
## 191 6.013020e-01 3.797697e-01 0.000000e+00 7.092758e-01 0.000000e+00
## 477 5.505147e-01 6.701918e-02 0.000000e+00 3.542442e-01 0.000000e+00
## 468 8.924854e-01 6.357430e-01 2.811940e-01 2.200649e-01 0.000000e+00
## 70 0.000000e+00 0.000000e+00 0.000000e+00 5.876489e-02 0.000000e+00
## 229 4.944316e-02 1.112471e-01 0.000000e+00 3.090198e-02 0.000000e+00
## 97 8.122638e-01 3.866495e-01 7.124542e+00 5.994567e-02 0.000000e+00
## 112 7.992544e-02 9.591052e-02 1.102971e+00 0.000000e+00 0.000000e+00
## 458 2.877675e-03 1.258983e-03 0.000000e+00 0.000000e+00 0.000000e+00
## 126 1.941566e-01 2.232801e-01 0.000000e+00 2.718193e-01 0.000000e+00
## 434 1.070456e-01 2.329815e-01 0.000000e+00 4.281823e-01 0.000000e+00
## 372 1.071108e-02 2.059824e-02 0.000000e+00 1.098573e-03 0.000000e+00
## 171 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00
## 455 1.525598e-01 7.112584e-02 0.000000e+00 0.000000e+00 0.000000e+00
## 432 6.421429e-01 3.445645e-01 0.000000e+00 0.000000e+00 2.088269e-02
## 437 1.162926e-02 0.000000e+00 0.000000e+00 2.558438e-01 0.000000e+00
## 215 6.017140e-02 2.640856e-01 6.685711e-03 2.005713e-02 0.000000e+00
## 441 8.975813e-02 0.000000e+00 0.000000e+00 3.989250e-02 0.000000e+00
## 213 5.102846e-02 0.000000e+00 0.000000e+00 6.123415e-02 0.000000e+00
## 118 6.505946e-01 2.427592e-01 9.386689e-02 2.783639e-01 0.000000e+00
## 456 1.552278e-01 0.000000e+00 0.000000e+00 1.552278e-01 0.000000e+00
## 58 3.295936e-02 0.000000e+00 1.124315e-02 4.620471e-03 0.000000e+00

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## 379 1.545236e-01 1.123808e-01 5.619039e-02 2.809520e-02 0.000000e+00
## 407 3.461139e-01 3.172711e-01 1.658463e-01 1.442141e-02 0.000000e+00
## 422 1.292000e-01 0.000000e+00 0.000000e+00 1.292000e-01 0.000000e+00
## 351 6.758037e-02 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00
## 452 1.225973e-01 2.977363e-02 0.000000e+00 0.000000e+00 0.000000e+00
## 366 9.819871e-02 4.651518e-02 3.772898e-01 9.819871e-02 0.000000e+00
## 397 3.133242e-02 3.879251e-02 1.014573e-02 1.366690e-01 0.000000e+00
## 201 4.705923e-03 1.951236e-03 1.629856e-02 3.787694e-03 0.000000e+00
## 10 7.888181e-02 0.000000e+00 0.000000e+00 4.969554e-01 0.000000e+00
## 480 1.499070e-04 5.621510e-05 0.000000e+00 9.369180e-05 4.122440e-04
## 446 1.041200e-02 0.000000e+00 2.160490e-01 0.000000e+00 0.000000e+00
## 82 1.079499e-01 0.000000e+00 0.000000e+00 3.998144e-02 0.000000e+00
## 151 0.000000e+00 1.974589e-02 0.000000e+00 3.011248e-01 0.000000e+00
## 236 5.467560e-04 2.241701e-02 2.569754e-02 0.000000e+00 0.000000e+00
## 237 3.336657e+00 6.286023e+00 0.000000e+00 4.468737e-01 0.000000e+00
## 479 1.870860e-04 2.681573e-03 2.837478e-03 2.182680e-04 0.000000e+00
## 383 3.011593e-03 0.000000e+00 0.000000e+00 2.441830e-04 0.000000e+00
## 75 6.818246e-01 6.282526e-01 1.017867e+00 2.288982e-01 0.000000e+00
## 350 2.361008e-03 1.139797e-03 2.198180e-03 4.884840e-04 1.139797e-03
## 310 4.398118e-01 1.222891e+00 6.328999e-01 2.145423e-01 0.000000e+00
## 475 5.849433e-02 0.000000e+00 7.311791e-03 3.275682e+00 0.000000e+00
## 101 2.471277e-01 1.188930e-01 9.341595e-03 7.549707e-01 0.000000e+00
## 65 1.597150e-02 1.569130e-02 2.802020e-04 2.524618e-01 3.922825e-03
## 291 4.162264e-01 2.227691e-01 1.563292e-02 2.559890e-01 0.000000e+00
## 199 3.579599e-03 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00
## 436 1.269949e+00 4.148981e+00 1.876061e-01 1.154499e-01 0.000000e+00
## 387 1.878143e+00 0.000000e+00 0.000000e+00 1.029740e+00 0.000000e+00
## 100 8.634453e-02 2.047599e-01 0.000000e+00 9.867946e-03 0.000000e+00
## 334 7.022315e-02 0.000000e+00 0.000000e+00 3.121029e-02 0.000000e+00
## 439 1.795023e-01 1.889498e-02 2.834246e-02 2.928721e-01 0.000000e+00
## 87 3.808710e-01 2.758031e-01 1.970022e-02 1.379016e-01 0.000000e+00
## 333 4.855096e-01 1.728085e-01 0.000000e+00 9.874771e-02 0.000000e+00
## 184 7.392533e-02 6.125242e-01 3.252715e-01 9.504685e-02 0.000000e+00
## 186 1.586062e+00 8.419835e-01 1.821034e+00 2.721760e+00 0.000000e+00
## 49 1.188370e-04 0.000000e+00 0.000000e+00 0.000000e+00 1.980620e-05
## 357 3.066432e-02 0.000000e+00 0.000000e+00 3.066432e-02 0.000000e+00
## 224 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00
## 486 2.009815e-02 1.401581e-02 4.627863e-02 6.082334e-03 0.000000e+00
## 164 4.259535e-01 3.093517e-02 0.000000e+00 8.487342e-02 0.000000e+00
## 226 1.083397e-01 1.534813e-01 0.000000e+00 0.000000e+00 0.000000e+00
## 404 7.149935e-02 4.468709e-02 0.000000e+00 1.519361e-01 0.000000e+00
## 272 3.263343e-02 5.710850e-02 8.158356e-01 6.526685e-02 0.000000e+00
## 238 4.323752e-03 1.025975e-03 0.000000e+00 3.444345e-03 2.931360e-04
## 140 1.250440e-03 5.071229e-03 1.250440e-02 2.964006e-03 2.315630e-04
## 31 4.156489e-02 1.239458e-01 1.273159e-02 2.059522e-02 0.000000e+00
## 313 3.907380e-04 2.735166e-03 0.000000e+00 0.000000e+00 9.117220e-04
## 359 6.708129e-03 2.331873e-02 7.666433e-03 2.874912e-03 1.597174e-03
## 181 8.661410e-04 0.000000e+00 0.000000e+00 2.598420e-04 0.000000e+00
## 90 1.735000e+00 2.542673e+00 2.931552e+00 2.662328e+00 0.000000e+00
## 444 1.698451e-01 0.000000e+00 0.000000e+00 1.080832e-01 0.000000e+00
## 85 9.082602e-02 2.083322e-01 7.947277e-03 1.986819e-02 5.676626e-03
## 187 7.225384e-02 0.000000e+00 6.669586e-03 6.780746e-02 0.000000e+00
## 30 7.711860e-02 1.532158e-02 3.10066e-01 9.192946e-03 2.298237e-02
## 304 3.246517e-02 1.103816e-01 0.000000e+00 2.175167e-01 0.000000e+00

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## 202 0.000000e+00 2.874188e-03 0.000000e+00 1.149675e-03 0.000000e+00
## 37 0.000000e+00 5.602100e-04 0.000000e+00 0.000000e+00 0.000000e+00
## 287 2.616181e-01 1.215258e+00 2.616181e-01 4.641611e-01 0.000000e+00
## 471 2.023812e-02 1.619050e-01 0.000000e+00 0.000000e+00 0.000000e+00
## 314 1.556873e-01 2.186619e-01 1.574366e-02 1.276986e-01 0.000000e+00
## 36 4.872747e-01 0.000000e+00 0.000000e+00 5.786387e-01 0.000000e+00
## 5 6.196450e-05 0.000000e+00 0.000000e+00 0.000000e+00 4.130970e-05
## 108 1.845359e-01 4.359115e-02 0.000000e+00 1.598342e-02 0.000000e+00
## 47 3.362703e-03 0.000000e+00 0.000000e+00 0.000000e+00 3.295449e-02
## 89 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00
## 454 6.557470e-04 1.092911e-03 0.000000e+00 1.530076e-03 0.000000e+00
## 336 9.052404e-01 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00
## 252 7.178256e-03 2.610275e-03 0.000000e+00 0.000000e+00 6.525690e-04
## 464 1.517100e+00 4.923922e-01 0.000000e+00 2.794658e-01 0.000000e+00
## 212 2.365435e-03 4.085751e-03 3.010554e-03 1.042942e-02 9.676780e-04
## 233 1.549574e+00 2.387027e+00 9.570896e-01 7.406051e-02 0.000000e+00
## 428 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00
## 154 4.260080e-04 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00
## 40 8.067561e-01 3.069181e-02 1.240826e+01 1.359209e-01 0.000000e+00
## 356 3.186678e-03 1.770380e-04 2.832602e-03 0.000000e+00 0.000000e+00
## 473 0.000000e+00 0.000000e+00 0.000000e+00 2.035043e+00 0.000000e+00
## 133 1.284116e+00 2.208221e+00 5.732660e-02 7.246083e-01 0.000000e+00
## 152 1.461014e-01 1.347380e+00 0.000000e+00 1.558415e+00 0.000000e+00
## 4 3.048610e-05 0.000000e+00 0.000000e+00 2.560836e-03 0.000000e+00
## 56 2.706836e-02 0.000000e+00 1.002532e-03 1.002532e-03 0.000000e+00
## 384 5.742719e-02 1.850432e-01 0.000000e+00 8.454559e-02 0.000000e+00
## 145 3.569330e-05 0.000000e+00 0.000000e+00 1.784670e-04 0.000000e+00
## 234 2.075739e-01 1.420976e-01 0.000000e+00 2.507604e-02 0.000000e+00
## 361 6.875971e-02 9.167962e-02 0.000000e+00 4.583981e-02 0.000000e+00
## 348 5.491366e-03 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00
## 197 4.778271e-02 2.895922e-03 0.000000e+00 2.707687e-01 0.000000e+00
## 136 3.545997e-01 0.000000e+00 0.000000e+00 7.465256e-02 0.000000e+00
## 192 2.147712e-02 2.147712e-02 0.000000e+00 2.974581e+00 0.000000e+00
## 258 1.276865e-03 2.858650e-04 1.905770e-05 0.000000e+00 0.000000e+00
## 61 7.567681e-02 5.821293e-03 0.000000e+00 1.746388e-02 0.000000e+00
## 240 6.920658e-01 4.613772e+00 0.000000e+00 3.332169e-01 0.000000e+00
## 293 2.123979e-02 0.000000e+00 6.371937e-02 0.000000e+00 0.000000e+00
## 255 6.420230e-05 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00
## 245 0.000000e+00 9.620342e-02 0.000000e+00 8.293398e-03 0.000000e+00
## 77 1.756450e-01 4.989915e-01 0.000000e+00 3.193545e-02 0.000000e+00
## 156 0.000000e+00 2.227159e-03 0.000000e+00 7.423860e-04 0.000000e+00
## 43 0.000000e+00 0.000000e+00 4.871532e-01 1.663450e-01 0.000000e+00
## 474 9.754161e-03 3.175773e-03 4.083137e-03 2.041569e-03 7.485752e-03
## 449 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00
## 214 1.225668e-02 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00
## 91 2.012945e-02 0.000000e+00 0.000000e+00 1.409061e-01 0.000000e+00
## 285 8.181440e-04 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00
## 364 2.192493e-01 0.000000e+00 0.000000e+00 6.851540e-02 0.000000e+00
## 178 0.000000e+00 4.486300e-05 0.000000e+00 0.000000e+00 0.000000e+00
## 93 1.527443e-01 0.000000e+00 0.000000e+00 5.018740e-01 0.000000e+00
## 84 0.000000e+00 0.000000e+00 0.000000e+00 2.108260e+00 0.000000e+00
## 146 2.662505e-03 7.987515e-03 1.757253e-01 3.195006e-02 0.000000e+00
## 64 7.219988e-02 0.000000e+00 0.000000e+00 4.813325e-03 0.000000e+00
## 326 2.459791e+00 1.939451e+00 5.771049e-01 8.041625e-01 0.000000e+00

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## 273 0.000000e+00 7.028490e-04 0.000000e+00 0.000000e+00 0.000000e+00
## 355 5.449591e-02 7.006618e-02 0.000000e+00 8.797198e-01 0.000000e+00
## 228 7.217770e-03 3.473552e-02 0.000000e+00 1.064621e-01 0.000000e+00
## 117 8.266587e-02 5.438544e-02 0.000000e+00 1.740334e-02 0.000000e+00
## 29 3.134145e-03 4.322960e-04 1.945331e-02 3.782589e-03 3.436752e-02
## 45 6.827652e-01 1.532738e-01 0.000000e+00 1.393398e-02 0.000000e+00
## 176 1.074324e-02 9.400334e-02 2.685810e-03 1.342905e-03 0.000000e+00
## 198 7.876498e-02 6.931318e-01 0.000000e+00 1.260240e-01 0.000000e+00
## 488 5.125910e-03 6.151090e-04 0.000000e+00 2.029860e-02 0.000000e+00
## 35 3.566589e-02 0.000000e+00 0.000000e+00 2.918118e-02 0.000000e+00
## 54 3.358949e-03 0.000000e+00 0.000000e+00 5.407908e-01 0.000000e+00
## 208 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00
## 402 3.174970e-04 0.000000e+00 0.000000e+00 5.079950e-04 2.539980e-05
## 417 0.000000e+00 0.000000e+00 0.000000e+00 2.320087e-02 0.000000e+00
## 345 6.655975e-02 1.007905e-01 0.000000e+00 3.708329e-02 0.000000e+00
## 60 5.110874e-01 1.400512e+00 1.991250e-02 1.161562e-01 0.000000e+00
## 105 0.000000e+00 0.000000e+00 6.654160e-02 2.079425e-02 0.000000e+00
## 283 9.969562e-01 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00
## 210 2.031138e-02 0.000000e+00 0.000000e+00 3.763579e-02 0.000000e+00
## 207 0.000000e+00 0.000000e+00 5.209399e+00 0.000000e+00 0.000000e+00
## 487 7.930723e-01 1.080417e+00 2.298760e-01 6.321591e-01 0.000000e+00
## 33 5.171103e-02 1.500468e-01 1.486904e+00 0.000000e+00 0.000000e+00
## 267 2.448406e-01 2.636745e-01 0.000000e+00 5.022371e-02 0.000000e+00
## 163 4.295691e-03 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00
## 81 9.571289e-01 3.087512e-01 0.000000e+00 8.521534e-01 0.000000e+00
## 223 3.984978e-02 3.785729e-01 0.000000e+00 9.763197e-01 0.000000e+00
## 386 3.032990e-03 0.000000e+00 1.819794e-03 0.000000e+00 6.065980e-04
## 343 4.617096e-01 4.381186e-02 1.685071e-02 3.033128e-02 0.000000e+00
## 137 2.153721e+01 2.461396e+01 6.153489e-01 1.343512e+01 0.000000e+00
## 483 9.861777e-02 1.314904e-01 0.000000e+00 3.615985e-01 0.000000e+00
## 71 9.712370e-04 1.942470e-04 0.000000e+00 3.787826e-02 0.000000e+00
## 358 7.388530e-02 1.886433e-02 1.572028e-03 3.144055e-03 0.000000e+00
## 323 1.605087e-02 0.000000e+00 0.000000e+00 2.675146e-02 0.000000e+00
## 385 8.730220e-04 0.000000e+00 2.619067e-03 0.000000e+00 0.000000e+00
## 261 4.640742e-03 4.640742e-03 0.000000e+00 0.000000e+00 0.000000e+00
## 17 4.939496e-01 3.267667e-01 0.000000e+00 2.203775e-01 0.000000e+00
## 275 1.204120e-01 0.000000e+00 0.000000e+00 2.150215e+00 0.000000e+00
## 338 1.142354e-01 0.000000e+00 0.000000e+00 3.954301e-02 0.000000e+00
## 315 3.478491e-02 3.024774e-02 2.329076e-02 1.361148e-02 0.000000e+00
## 189 3.534665e-02 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00
## 243 2.859486e-01 3.299407e-02 1.796344e-01 2.786166e-01 0.000000e+00
## 179 2.192146e+00 2.110955e+00 2.435717e-01 1.299049e+00 0.000000e+00
## 107 0.000000e+00 2.217909e-02 0.000000e+00 0.000000e+00 0.000000e+00
## 305 1.015909e+00 1.026171e-01 4.515152e-01 7.696282e-01 5.592632e+00
## 248 3.493238e-02 3.670860e-02 5.920740e-04 1.243356e-02 0.000000e+00
## 419 1.261733e+01 8.163281e+00 1.489650e-02 5.303153e+00 0.000000e+00
## 395 5.710478e-01 2.141429e-01 3.711811e+00 2.141429e-01 0.000000e+00
## 496 0.000000e+00 0.000000e+00 0.000000e+00 2.552397e-03 0.000000e+00
## 86 3.038088e+00 0.000000e+00 0.000000e+00 5.727542e-01 0.000000e+00
## 438 1.615809e-02 0.000000e+00 0.000000e+00 1.669669e-01 0.000000e+00
## 282 7.998030e-05 2.279439e-03 0.000000e+00 0.000000e+00 3.599110e-04
## 23 2.750649e-01 2.039274e-01 0.000000e+00 8.631347e-01 0.000000e+00
## 321 3.946921e-01 5.968515e-01 5.775983e-01 9.626638e-03 0.000000e+00
## 406 1.375726e-03 3.199360e-05 0.000000e+00 6.398720e-05 0.000000e+00

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## 51 3.786728e-02 8.015241e-01 0.000000e+00 1.262243e-02 0.000000e+00
## 55 5.814788e-02 2.801671e-01 0.000000e+00 0.000000e+00 0.000000e+00
## 106 3.417438e-03 3.797150e-04 0.000000e+00 0.000000e+00 0.000000e+00
## 427 4.772321e-02 0.000000e+00 0.000000e+00 5.488170e-01 0.000000e+00
## 290 1.472519e-01 5.764753e-01 6.266036e-03 8.772451e-02 0.000000e+00
## 324 7.373261e-02 3.047615e+00 0.000000e+00 2.457754e-02 0.000000e+00
## 15 3.281313e-01 0.000000e+00 0.000000e+00 4.101641e-02 0.000000e+00
## 303 0.000000e+00 0.000000e+00 0.000000e+00 2.754979e-02 0.000000e+00
## 169 2.436819e-01 0.000000e+00 0.000000e+00 1.218410e+00 0.000000e+00
## 116 1.061986e-02 1.501429e-02 1.149875e-01 5.236692e-02 5.895856e-02
## 102 1.528840e-05 1.528840e-05 0.000000e+00 0.000000e+00 5.096120e-06
## 262 1.515744e-01 1.637004e-01 5.820458e-02 1.212595e-03 0.000000e+00
## 448 2.771449e-02 6.020735e-02 6.116302e-02 2.245830e-02 0.000000e+00
## 380 9.688256e-03 1.077819e-01 0.000000e+00 2.300961e-02 0.000000e+00
## 418 1.818485e-01 3.636970e-02 0.000000e+00 0.000000e+00 0.000000e+00
## 489 1.012776e+00 1.355122e+00 3.501273e-02 8.169637e-01 1.296768e-02
## 235 1.739385e-02 1.404888e-01 1.712625e-01 2.274580e-02 0.000000e+00
## 457 9.470769e-01 2.869930e-02 0.000000e+00 2.152448e-01 0.000000e+00
## 244 8.956868e-02 0.000000e+00 1.295760e+00 1.194249e-02 0.000000e+00
## 25 2.733312e-03 6.752888e-03 0.000000e+00 4.341142e-03 0.000000e+00
## 281 4.798971e+00 2.501591e+00 2.722820e-01 1.293340e+00 9.555397e+00
## 119 2.303134e+00 2.382553e-01 1.588369e-01 1.025821e+00 0.000000e+00
## 400 0.000000e+00 0.000000e+00 0.000000e+00 2.637470e-05 0.000000e+00
## 481 4.635543e-02 2.758148e-01 0.000000e+00 0.000000e+00 0.000000e+00
## 180 0.000000e+00 0.000000e+00 0.000000e+00 3.601504e+00 0.000000e+00
## 482 4.830695e-01 1.695882e-01 0.000000e+00 5.832807e-01 2.055615e-01
## 319 0.000000e+00 0.000000e+00 0.000000e+00 3.939338e-01 0.000000e+00
## 38 1.933668e-02 0.000000e+00 0.000000e+00 2.636820e-03 0.000000e+00
## 388 1.292599e-01 5.302969e-02 2.320049e-02 1.955470e-01 0.000000e+00
## 309 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00
## 78 4.840906e-03 0.000000e+00 0.000000e+00 2.420453e-03 0.000000e+00
## 7 6.768281e-01 8.100620e-01 4.583246e-01 7.194630e-01 0.000000e+00
## 12 2.383496e-02 8.446775e-02 0.000000e+00 2.341680e-02 1.714445e-02
## 211 1.611077e-03 8.494768e-03 0.000000e+00 7.323080e-04 0.000000e+00
## 167 9.132686e-03 6.298400e-04 8.187926e-03 3.149200e-04 0.000000e+00
## 377 2.432058e-01 0.000000e+00 0.000000e+00 5.784354e-01 0.000000e+00
## 332 5.311690e-02 0.000000e+00 0.000000e+00 4.886755e-01 0.000000e+00
## 144 8.450219e-01 2.721045e-01 0.000000e+00 2.646154e-01 4.368651e-02
## 260 2.380236e+00 9.744812e-01 8.559632e-02 3.683934e+00 2.567890e-01
## 453 4.708320e-01 1.516079e+01 3.013325e+00 1.318329e+00 0.000000e+00
## 491 5.372976e-02 9.850457e-02 0.000000e+00 1.432794e-01 0.000000e+00
## 52 3.391486e-02 3.989984e-03 0.000000e+00 6.383974e-02 0.000000e+00
## 206 3.407064e-02 0.000000e+00 0.000000e+00 1.022119e-01 0.000000e+00
## 160 4.706472e-02 3.137648e-03 0.000000e+00 0.000000e+00 0.000000e+00
## 277 2.931046e-03 1.831904e-03 3.663808e-02 4.030189e-03 0.000000e+00
## 88 9.203680e+00 3.670983e-01 1.022631e+00 1.311066e+00 2.930231e+01
## 1 2.144137e-01 1.261257e-02 0.000000e+00 2.522514e-02 0.000000e+00
## 426 2.664497e-02 1.776331e-02 0.000000e+00 0.000000e+00 0.000000e+00
## 353 6.335998e-02 1.072246e-02 3.411691e-02 0.000000e+00 0.000000e+00
## 157 3.107955e-01 4.359209e-01 4.036305e-02 1.372344e-01 0.000000e+00
## 368 1.066508e+00 4.026610e-01 0.000000e+00 4.026610e-01 0.000000e+00
## 365 7.177521e+00 8.186860e+00 2.242975e+00 1.558868e+01 0.000000e+00
## 57 5.700577e-01 2.649998e-01 2.156975e-02 4.313950e-02 0.000000e+00
## 493 1.023511e-02 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00

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## 259 5.367971e-03 1.789324e-03 5.367971e-03 4.115444e-03 1.789320e-04
## 265 1.293457e-02 3.568984e-02 1.940186e-02 9.964411e-02 2.634820e-03
## 307 5.768199e-03 0.000000e+00 2.719294e-02 3.090107e-02 0.000000e+00
## 170 4.895984e-02 9.791968e-03 0.000000e+00 2.692791e-02 0.000000e+00
## 121 3.433083e-02 0.000000e+00 0.000000e+00 3.961250e-03 0.000000e+00
## 276 5.957374e-03 6.853620e-04 6.537295e-03 1.476163e-03 2.108800e-04
## 394 1.065731e-01 5.328655e-02 6.572008e-01 6.927251e-01 0.000000e+00
## 32 7.803335e-02 4.890090e-01 0.000000e+00 3.527107e+00 0.000000e+00
## 2 2.024738e+00 0.000000e+00 0.000000e+00 2.682778e+00 0.000000e+00
## 219 3.815100e-04 0.000000e+00 0.000000e+00 9.537740e-05 0.000000e+00
## 327 6.707120e-04 0.000000e+00 0.000000e+00 1.006070e-04 1.006070e-04
## 257 3.660774e+00 3.310922e+00 1.886161e+00 1.490675e+00 4.294565e+00
## 227 2.052360e-01 0.000000e+00 0.000000e+00 1.482260e-01 0.000000e+00
## 195 1.074818e-01 7.234354e-03 8.267833e-03 3.307133e-02 0.000000e+00
## 59 2.877578e-02 0.000000e+00 0.000000e+00 5.755155e-03 0.000000e+00
## 497 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00
## 311 6.663684e-02 4.062509e-02 0.000000e+00 4.091736e-03 0.000000e+00
## 363 6.210113e-02 6.424255e-03 0.000000e+00 0.000000e+00 4.775363e-01
## 46 4.842750e-04 5.380840e-05 0.000000e+00 1.237593e-03 0.000000e+00
## 490 5.429225e-01 2.714613e+00 0.000000e+00 1.248722e+00 0.000000e+00
## 286 2.852056e-01 1.324169e-01 0.000000e+00 0.000000e+00 3.565069e-01
## 256 5.557736e-01 1.145877e-01 2.505157e-02 2.486600e-01 0.000000e+00
## 41 5.938483e-03 0.000000e+00 0.000000e+00 6.598310e-04 0.000000e+00
## 462 8.257796e-01 2.014097e-02 0.000000e+00 2.014097e-02 0.000000e+00
## 110 1.558809e-01 8.009056e-01 0.000000e+00 1.182545e-01 1.128793e+00
## 249 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00
## 185 8.921671e-02 2.470616e-01 1.345113e-01 5.490259e-03 0.000000e+00
## 150 4.540862e-01 1.058491e+00 0.000000e+00 7.077481e-01 0.000000e+00
## 331 7.075051e-02 0.000000e+00 2.240433e-02 4.127113e-02 0.000000e+00
## 271 0.000000e+00 3.958000e-04 0.000000e+00 4.397770e-05 4.837550e-04
## 268 3.358916e-02 1.455530e-01 0.000000e+00 5.150337e-01 0.000000e+00
## 463 1.209213e-01 0.000000e+00 2.466794e+00 2.902110e-01 0.000000e+00
## 495 6.929497e-03 3.695732e-03 2.563914e-02 2.309832e-03 0.000000e+00
## 362 6.186047e-01 1.302326e-01 0.000000e+00 1.237209e+00 0.000000e+00
## 460 9.722517e+00 3.332041e-01 2.708976e-03 2.492258e-01 0.000000e+00
## 330 6.884355e-02 2.950438e-02 0.000000e+00 8.851313e-02 0.000000e+00
## 231 0.000000e+00 0.000000e+00 0.000000e+00 4.061093e-01 0.000000e+00
## 19 2.173776e-01 0.000000e+00 0.000000e+00 3.864491e-02 0.000000e+00
## 142 1.140484e+00 2.534409e-01 2.407689e+00 6.336023e-02 0.000000e+00
## 472 2.775430e-03 6.071250e-04 0.000000e+00 1.821376e-03 0.000000e+00
## 279 8.598313e-01 7.055026e-01 4.409391e-02 6.503852e-01 0.000000e+00
## 295 8.697030e-04 5.383880e-04 1.242430e-04 2.899010e-04 4.141440e-04
## 148 2.348660e-04 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00
## 99 6.371279e-03 0.000000e+00 0.000000e+00 1.629862e-03 0.000000e+00
## 373 1.922939e-02 1.778718e-01 0.000000e+00 5.672669e-01 0.000000e+00
## 312 1.702385e-02 0.000000e+00 0.000000e+00 5.674615e-02 0.000000e+00
## 393 6.069400e-04 1.416193e-03 0.000000e+00 0.000000e+00 0.000000e+00
## 173 1.118023e-01 1.796823e-01 4.791527e-02 7.586585e-02 0.000000e+00
## 162 1.631930e-01 3.203418e-01 0.000000e+00 3.626511e-02 0.000000e+00
## 374 4.311085e-02 1.786021e-01 0.000000e+00 6.774562e-02 0.000000e+00
## 76 3.271451e-01 6.657690e-01 8.953446e-01 2.238361e-01 9.986535e-01
## 500 3.048299e-01 5.862113e-02 3.517268e-02 2.086912e+00 0.000000e+00
## 216 9.260749e-03 9.716436e-02 2.792924e-03 1.175968e-03 1.322964e-02
## 411 1.714561e+01 3.742691e+00 1.549769e-02 1.895884e+00 5.889121e-01

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## 230 5.835059e-01 5.256810e-01 0.000000e+00 1.450880e+00 0.000000e+00
## 16 1.278260e-05 0.000000e+00 5.240860e-04 1.278260e-05 0.000000e+00
## 222 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00
## 8 1.310263e-01 6.551316e-02 0.000000e+00 1.834369e+00 0.000000e+00
## 340 5.069672e-03 3.416518e-03 0.000000e+00 7.053457e-03 7.714720e-04
## 22 6.803864e-02 1.043259e-01 0.000000e+00 2.721546e-02 0.000000e+00
## 128 1.751613e+00 2.325503e+00 1.497105e-01 1.502095e+00 0.000000e+00
## 469 6.255700e-01 1.544376e+00 3.714322e-01 6.646682e-01 2.064381e+00
## 109 4.420771e-01 1.906999e-01 0.000000e+00 1.473590e-01 0.000000e+00
## 50 7.689410e-04 1.708760e-04 0.000000e+00 2.563140e-04 0.000000e+00
## 69 5.938017e-01 0.000000e+00 0.000000e+00 1.194758e+00 0.000000e+00
## 403 4.792825e-02 4.792820e-04 0.000000e+00 0.000000e+00 0.000000e+00
## 442 2.316588e-01 1.046201e-01 0.000000e+00 5.231005e-02 0.000000e+00
## 143 1.748660e-01 9.139478e-01 8.743297e-02 1.543738e-01 0.000000e+00
## 168 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00
## 360 1.149483e+00 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00
## 20 1.490401e+00 3.105001e-02 0.000000e+00 2.817789e+00 3.671664e+00
## 440 8.610347e-02 6.943829e-02 4.166297e-03 0.000000e+00 4.860680e-02
## 451 3.450054e-01 8.886502e-02 0.000000e+00 4.181883e-02 0.000000e+00
## 196 3.799300e-04 0.000000e+00 0.000000e+00 2.532870e-04 0.000000e+00
## 27 4.208940e-04 3.826310e-05 0.000000e+00 3.443680e-04 0.000000e+00
## 134 1.975710e-01 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00
## 494 2.003786e-02 3.172661e-02 1.609708e+00 3.172661e-02 0.000000e+00
## 205 1.369485e-01 2.987967e-01 0.000000e+00 2.328857e-01 0.000000e+00
## 294 0.000000e+00 0.000000e+00 0.000000e+00 5.205688e+00 0.000000e+00
## 123 1.264267e+00 1.121527e+00 0.000000e+00 2.480954e+00 2.623694e+00
## 253 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00
## 466 1.705250e-01 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00
## 139 7.441271e-01 2.297492e+00 0.000000e+00 9.301589e-01 0.000000e+00
## 95 1.305770e-04 0.000000e+00 9.513450e-04 0.000000e+00 2.425000e-04
## 369 1.426883e-01 2.205183e-01 0.000000e+00 0.000000e+00 0.000000e+00
## 127 2.076077e-03 0.000000e+00 1.339405e-03 1.339405e-03 0.000000e+00
## 484 3.301634e-02 0.000000e+00 0.000000e+00 9.710690e-04 0.000000e+00
## 450 1.864080e-04 0.000000e+00 0.000000e+00 1.242720e-04 3.728160e-04
## 72 6.365534e-01 1.660032e+00 1.747402e-01 8.861822e-01 0.000000e+00
## 204 1.512090e-03 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00
## 301 1.252432e-01 5.182479e-01 1.295620e-02 0.000000e+00 1.131508e+00
## 465 1.279048e-01 1.457839e-01 0.000000e+00 2.434317e-01 0.000000e+00
## 339 3.150183e-03 2.016117e-03 0.000000e+00 1.890110e-03 5.040290e-04
## 328 0.000000e+00 3.473921e-01 0.000000e+00 2.310158e+01 0.000000e+00
## 299 1.028096e-02 0.000000e+00 3.598337e-02 9.407080e-01 0.000000e+00
## 349 6.648131e-02 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00
## 399 0.000000e+00 8.485492e-03 1.112542e-02 0.000000e+00 0.000000e+00
## 92 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00
## 467 1.183183e-02 0.000000e+00 0.000000e+00 1.183183e-01 0.000000e+00
## 352 5.038914e-02 0.000000e+00 0.000000e+00 1.259728e-02 0.000000e+00
## 232 6.637019e-02 6.083934e-02 0.000000e+00 5.899573e-02 2.470446e-01
## 13 6.401660e-02 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00
## 104 5.045185e-02 0.000000e+00 0.000000e+00 2.130189e-01 0.000000e+00
## 80 1.384255e-03 6.760320e-04 0.000000e+00 6.438400e-05 1.287680e-04
## 131 4.853016e-03 2.454506e-02 0.000000e+00 2.799820e-04 0.000000e+00
## 376 1.342934e-01 8.475405e-01 8.952893e-02 4.178017e-01 0.000000e+00
## 166 7.082990e-05 1.652700e-04 2.856805e-03 3.305390e-04 5.194190e-04
## 478 9.972618e-01 1.488769e+00 7.123299e-03 4.273979e-02 0.000000e+00

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## 264 3.714564e+00 1.067056e+00 2.717974e-01 1.328787e+00 0.000000e+00
## 254 1.518128e-01 2.530214e-01 2.530214e-03 3.858576e-02 0.000000e+00
## 129 1.924627e-01 0.000000e+00 6.415423e-02 1.443470e-01 0.000000e+00
## 292 2.472811e-01 2.826069e-01 4.415733e-03 1.633821e-01 0.000000e+00
## 430 3.847067e-02 7.565899e-02 0.000000e+00 0.000000e+00 0.000000e+00
## 130 4.988887e-02 0.000000e+00 0.000000e+00 8.368455e-02 0.000000e+00
## 183 5.046189e-01 3.299431e-01 1.164505e-01 1.552674e-01 0.000000e+00
## 325 1.028710e+00 8.721669e-01 0.000000e+00 4.360834e-01 5.590813e-03
## 280 1.422580e+00 0.000000e+00 0.000000e+00 1.965497e+00 0.000000e+00
## 420 1.565649e-01 0.000000e+00 0.000000e+00 2.578716e-01 0.000000e+00
## 18 2.212382e-02 1.216810e+00 2.389373e+00 0.000000e+00 0.000000e+00
## 74 4.495057e-02 0.000000e+00 0.000000e+00 8.990113e-02 0.000000e+00
## 153 4.070874e-03 1.568983e-02 2.900498e-02 8.141749e-03 8.735418e-03
## 447 2.480612e-01 2.163938e-01 0.000000e+00 3.694529e-02 0.000000e+00
## 172 1.094859e+00 4.091315e+00 0.000000e+00 3.687946e+00 0.000000e+00
## 79 1.709114e-01 5.521752e-01 0.000000e+00 3.786344e+00 0.000000e+00
## 344 0.000000e+00 0.000000e+00 4.055782e+00 1.024619e+00 3.317203e+01
## 354 3.296255e-02 0.000000e+00 0.000000e+00 6.592511e-02 0.000000e+00
## 225 2.703608e-01 8.561424e-02 1.996164e+00 4.506013e-02 5.272035e-01
## 239 5.976639e+00 4.318381e+00 3.454705e-02 1.862086e+01 0.000000e+00
## 220 0.000000e+00 0.000000e+00 1.353173e-01 1.040902e-02 0.000000e+00
## 94 4.845310e-04 6.056640e-04 4.845309e-03 3.633980e-04 2.422650e-04
## 288 2.733749e+00 4.818812e+00 2.085063e-01 2.200900e+00 0.000000e+00
## 62 5.891955e-01 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00
## 251 6.830922e-01 1.024638e-01 7.684787e-01 6.830922e-01 0.000000e+00
## 389 0.000000e+00 0.000000e+00 0.000000e+00 1.219171e-01 0.000000e+00
## 382 6.007665e-03 3.513917e-03 0.000000e+00 0.000000e+00 0.000000e+00
## 246 6.873763e-02 0.000000e+00 0.000000e+00 2.749505e-02 0.000000e+00
## 425 3.045238e-02 0.000000e+00 2.768398e-03 3.598918e-02 0.000000e+00
## 174 3.222654e-02 6.445308e-02 0.000000e+00 1.127929e-01 0.000000e+00
## 296 0.000000e+00 2.668888e-01 0.000000e+00 1.455757e-01 0.000000e+00
## 461 1.159404e+00 5.449197e+00 1.623165e-01 2.318807e-02 0.000000e+00
## 367 8.470653e-01 3.334193e-01 5.406800e-01 1.351700e-01 0.000000e+00
## 48 1.805964e-03 1.029399e-01 0.000000e+00 4.298194e-01 0.000000e+00
## 408 1.051084e-01 1.472856e-03 0.000000e+00 2.410128e-03 1.740648e-03
## 218 2.486389e+00 2.447741e-01 4.778365e-01 2.927920e-02 0.000000e+00
##
##          D1D D1_FLAG      D2A_JPHH  D2B_E5MIX D2B_E5MIXA  D2B_E8MIX
## 429 1.906200e-01      0  1.313653137 0.21433313 0.14630512 0.32336159
## 297 3.650678e+00      0  0.393442623 0.58343154 0.58343154 0.55260602
## 221 2.878664e+00      0  2.250853242 0.40145131 0.40145131 0.39398797
## 83  5.141565e+00      0  0.282229965 0.80540148 0.80540148 0.84410818
## 431 3.475416e-01      0  0.051601423 0.91799814 0.79072056 0.91799814
## 284 9.233591e-01      0  0.462365591 0.66440070 0.66440070 0.71214246
## 159 3.800709e+01      0  0.509164969 0.58071835 0.58071835 0.54586235
## 263 1.116839e-01      0  0.274509804 0.52679180 0.35959135 0.45466333
## 435 7.355377e+00      0  3.625000000 0.80587014 0.80587014 0.81260773
## 302 4.205873e-02      0  0.253141831 0.57075920 0.49162521 0.57075920
## 485 4.144923e+00      0  0.277128548 0.88171315 0.88171315 0.87022693
## 250 1.250283e-01      0  0.161172161 0.88996712 0.60749707 0.81953771
## 410 1.231295e+01      0  0.066815145 0.97944855 0.66857765 0.97944855
## 445 2.947671e+01      0  0.245551601 0.82901897 0.71407807 0.81305715
## 63  2.807241e+00      0  0.448473282 0.69496613 0.69496613 0.77102629
## 247 6.244470e+00      0  0.348275862 0.43033170 0.43033170 0.64120558
## 415 2.858020e+00      0  0.202380952 0.57626236 0.49636538 0.60428911

```

| | | | | | | |
|--------|--------------|---|-------------|------------|------------|------------|
| ## 194 | 1.682183e+01 | 0 | 5.433179724 | 0.65222257 | 0.65222257 | 0.68808353 |
| ## 390 | 2.125653e-01 | 0 | 0.675204918 | 0.80254570 | 0.80254570 | 0.69513283 |
| ## 191 | 4.058323e+00 | 0 | 1.600554785 | 0.69789463 | 0.69789463 | 0.86172346 |
| ## 477 | 4.226995e+00 | 0 | 0.430921053 | 0.58949684 | 0.50776495 | 0.80781322 |
| ## 468 | 9.083790e+00 | 0 | 0.680995475 | 0.81846953 | 0.81846953 | 0.85208113 |
| ## 70 | 1.811917e+00 | 0 | 0.049019608 | 0.72192809 | 0.31091751 | 0.72192809 |
| ## 229 | 3.980175e+00 | 0 | 0.088288288 | 0.91013422 | 0.91013422 | 0.91617892 |
| ## 97 | 1.153355e+01 | 0 | 2.991701245 | 0.21420183 | 0.21420183 | 0.35395507 |
| ## 112 | 7.624887e+00 | 0 | 0.227272727 | 0.38431154 | 0.16551397 | 0.45069398 |
| ## 458 | 5.683407e-02 | 0 | 0.131578947 | 0.84667243 | 0.72928394 | 0.84667243 |
| ## 126 | 4.543265e+00 | 0 | 0.272727273 | 0.78502682 | 0.78502682 | 0.90079238 |
| ## 434 | 5.131891e+00 | 0 | 0.305921053 | 0.81095996 | 0.81095996 | 0.85606816 |
| ## 372 | 2.128484e-01 | 0 | 0.244821092 | 0.68152980 | 0.58703782 | 0.65064112 |
| ## 171 | 1.579169e-02 | 0 | 0.000000000 | 0.00000000 | 0.00000000 | 0.00000000 |
| ## 455 | 9.720532e-01 | 0 | 6.238461538 | 0.84123993 | 0.84123993 | 0.84123993 |
| ## 432 | 5.570459e+00 | 0 | 0.976143141 | 0.94354951 | 0.94354951 | 0.86318804 |
| ## 437 | 4.500524e+00 | 0 | 0.140495868 | 0.90817835 | 0.39113113 | 0.68312051 |
| ## 215 | 3.513341e+00 | 0 | 0.624778761 | 0.82953954 | 0.82953954 | 0.71601409 |
| ## 441 | 4.228605e+00 | 0 | 0.452554745 | 0.57216747 | 0.49283824 | 0.53304534 |
| ## 213 | 5.618233e+00 | 0 | 0.155279503 | 0.84727074 | 0.57835225 | 0.75892083 |
| ## 118 | 5.046154e+00 | 0 | 0.673142857 | 0.74459196 | 0.74459196 | 0.85326965 |
| ## 456 | 1.715267e+01 | 0 | 0.093264249 | 0.76420451 | 0.32912497 | 0.62236597 |
| ## 58 | 6.194511e-01 | 0 | 3.436040044 | 0.40144615 | 0.34578689 | 0.35794090 |
| ## 379 | 2.083259e+01 | 0 | 0.297297297 | 0.42568269 | 0.42568269 | 0.38099588 |
| ## 407 | 3.612564e+00 | 0 | 1.397129187 | 0.96958601 | 0.96958601 | 0.89676294 |
| ## 422 | 5.140313e+00 | 0 | 0.063291139 | 0.35335933 | 0.15218358 | 0.81181269 |
| ## 351 | 4.651782e+00 | 0 | 0.026086957 | 0.75769003 | 0.51720391 | 0.75769003 |
| ## 452 | 2.497483e+00 | 0 | 0.287657920 | 0.79880227 | 0.79880227 | 0.79880227 |
| ## 366 | 2.263739e+00 | 0 | 0.479729730 | 0.54666069 | 0.47086789 | 0.80681520 |
| ## 397 | 5.499585e-01 | 0 | 1.081656805 | 0.59572504 | 0.59572504 | 0.71835202 |
| ## 201 | 1.222392e-01 | 0 | 0.644036697 | 0.70812939 | 0.60994946 | 0.84950430 |
| ## 10 | 5.072100e+00 | 0 | 0.228110599 | 0.68980175 | 0.47086294 | 0.75912604 |
| ## 480 | 1.920681e-02 | 0 | 0.088888889 | 0.79176731 | 0.79176731 | 0.81852592 |
| ## 446 | 2.673281e+00 | 0 | 0.120300752 | 0.32840440 | 0.22417088 | 0.38217001 |
| ## 82 | 1.227430e+00 | 0 | 0.141263941 | 0.17556503 | 0.07561174 | 0.62794117 |
| ## 151 | 3.109978e+00 | 0 | 0.207207207 | 0.68915624 | 0.59360687 | 0.68915624 |
| ## 236 | 2.823996e-01 | 0 | 0.310810811 | 0.76954111 | 0.76954111 | 0.71482569 |
| ## 237 | 2.429503e+01 | 0 | 1.150202977 | 0.74963058 | 0.74963058 | 0.73391518 |
| ## 479 | 3.061982e-02 | 0 | 0.853535354 | 0.82930405 | 0.82930405 | 0.75912460 |
| ## 383 | 6.462716e-02 | 0 | 0.162162162 | 0.96617735 | 0.41610994 | 0.70467772 |
| ## 75 | 7.339354e+00 | 0 | 1.211009174 | 0.79171052 | 0.79171052 | 0.90093048 |
| ## 350 | 5.674560e-02 | 0 | 1.204697987 | 0.59951436 | 0.59951436 | 0.55297538 |
| ## 310 | 1.156383e+01 | 0 | 1.033962264 | 0.76730209 | 0.76730209 | 0.74880253 |
| ## 475 | 5.505778e+00 | 0 | 1.873517787 | 0.15591077 | 0.10642566 | 0.16855576 |
| ## 101 | 2.649616e+00 | 0 | 1.281446541 | 0.59155859 | 0.59155859 | 0.71677475 |
| ## 65 | 5.772156e-01 | 0 | 3.357142857 | 0.63248479 | 0.63248479 | 0.57918368 |
| ## 291 | 2.940943e+00 | 0 | 1.936991870 | 0.82297163 | 0.82297163 | 0.82451607 |
| ## 199 | 1.373671e-01 | 0 | 0.085365854 | 0.79083835 | 0.53983115 | 0.79083835 |
| ## 436 | 1.029669e+01 | 0 | 5.606481481 | 0.86188835 | 0.86188835 | 0.77003634 |
| ## 387 | 6.340351e+00 | 0 | 1.565597668 | 0.42407821 | 0.36528109 | 0.70294486 |
| ## 100 | 2.639676e+00 | 0 | 0.752688172 | 0.72872183 | 0.72872183 | 0.67170768 |
| ## 334 | 3.175647e+00 | 0 | 0.184818482 | 0.85179007 | 0.58143718 | 0.77838829 |
| ## 439 | 1.364217e+01 | 0 | 0.130761994 | 0.65380927 | 0.56316065 | 0.68546189 |
| ## 87 | 5.463528e+00 | 0 | 1.481848185 | 0.83137711 | 0.83137711 | 0.75470819 |

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|--------|--------------|---|-------------|------------|------------|------------|
| ## 333 | 7.875130e+00 | 0 | 0.538587849 | 0.78665404 | 0.78665404 | 0.76149416 |
| ## 184 | 3.402677e+00 | 0 | 1.045931759 | 0.90026029 | 0.90026029 | 0.87685187 |
| ## 186 | 2.576861e+01 | 0 | 0.689564069 | 0.73756506 | 0.73756506 | 0.94001616 |
| ## 49 | 6.040879e-03 | 0 | 0.165137615 | 0.83003599 | 0.71495409 | 0.76450234 |
| ## 357 | 6.838144e+00 | 0 | 0.034146341 | 0.86312057 | 0.37172580 | 0.72483409 |
| ## 224 | 2.242536e+00 | 0 | 0.004975124 | 0.00000000 | 0.00000000 | 0.00000000 |
| ## 486 | 3.868893e-01 | 0 | 0.937748344 | 0.88151979 | 0.75929982 | 0.86563586 |
| ## 164 | 3.647971e+00 | 0 | 4.283372365 | 0.41581977 | 0.41581977 | 0.41769651 |
| ## 226 | 2.121653e+00 | 0 | 0.246684350 | 0.89997089 | 0.89997089 | 0.89997089 |
| ## 404 | 3.253220e+00 | 0 | 0.333333333 | 0.79370608 | 0.79370608 | 0.80905812 |
| ## 272 | 5.156081e+00 | 0 | 0.258134490 | 0.32275696 | 0.13900386 | 0.43884962 |
| ## 238 | 7.152512e-02 | 0 | 0.330838323 | 0.81836275 | 0.81836275 | 0.86886328 |
| ## 140 | 6.513867e-02 | 0 | 3.925788497 | 0.84371180 | 0.84371180 | 0.77474477 |
| ## 31 | 1.327081e+00 | 0 | 1.342178771 | 0.82034390 | 0.82034390 | 0.73106408 |
| ## 313 | 2.455137e-02 | 0 | 0.231578947 | 0.72454497 | 0.62408907 | 0.72454497 |
| ## 359 | 3.644750e-01 | 0 | 0.577259475 | 0.82611793 | 0.82611793 | 0.71721779 |
| ## 181 | 2.109053e-02 | 0 | 0.168587896 | 0.78097289 | 0.53309693 | 0.79209523 |
| ## 90 | 3.616578e+01 | 0 | 0.622818792 | 0.78653392 | 0.78653392 | 0.94235475 |
| ## 444 | 5.373280e+00 | 0 | 0.586805556 | 0.52792691 | 0.45473149 | 0.52106620 |
| ## 85 | 2.207072e+00 | 0 | 6.131238447 | 0.87804228 | 0.87804228 | 0.70822798 |
| ## 187 | 1.246101e+00 | 0 | 0.165280665 | 0.42823343 | 0.36886020 | 0.72334077 |
| ## 30 | 9.044837e-01 | 0 | 3.303030303 | 0.58558318 | 0.58558318 | 0.66663255 |
| ## 304 | 1.642738e+00 | 0 | 0.374468085 | 0.74941878 | 0.64551420 | 0.78546877 |
| ## 202 | 3.558244e-01 | 0 | 0.027272727 | 0.84474113 | 0.72762041 | 0.84474113 |
| ## 37 | 3.252955e-02 | 0 | 0.056300268 | 0.96571306 | 0.65920172 | 0.96571306 |
| ## 287 | 7.536288e+00 | 0 | 1.193877551 | 0.95185928 | 0.95185928 | 0.92328245 |
| ## 471 | 4.583935e+00 | 0 | 0.628787879 | 0.34684963 | 0.23676171 | 0.34684963 |
| ## 314 | 2.958058e+00 | 0 | 0.554227941 | 0.97579675 | 0.97579675 | 0.93214111 |
| ## 36 | 1.976508e+01 | 0 | 0.098859316 | 0.63344625 | 0.54562090 | 0.83396120 |
| ## 5 | 8.509795e-03 | 0 | 0.160655738 | 0.54525382 | 0.46965608 | 0.54525382 |
| ## 108 | 1.743646e+00 | 0 | 0.259515571 | 0.76285627 | 0.65708863 | 0.76305357 |
| ## 47 | 4.559825e-01 | 0 | 0.125237192 | 0.66132947 | 0.45142759 | 0.66132947 |
| ## 89 | 5.741138e+00 | 0 | 0.084158416 | 0.00000000 | 0.00000000 | 0.00000000 |
| ## 454 | 6.612113e-02 | 0 | 0.109785203 | 0.88065379 | 0.88065379 | 0.93927271 |
| ## 336 | 5.977249e+00 | 0 | 0.238938053 | 0.44056677 | 0.30073361 | 0.44056677 |
| ## 252 | 1.458491e-01 | 0 | 0.215568862 | 0.73348072 | 0.73348072 | 0.73348072 |
| ## 464 | 1.316151e+01 | 0 | 0.366022099 | 0.81468284 | 0.81468284 | 0.85467500 |
| ## 212 | 1.199921e-01 | 0 | 1.122362869 | 0.73779034 | 0.73779034 | 0.70441274 |
| ## 233 | 1.325113e+01 | 0 | 2.592592593 | 0.95233378 | 0.95233378 | 0.89987534 |
| ## 428 | 5.944652e+00 | 0 | 0.874345550 | 0.00000000 | 0.00000000 | 0.00000000 |
| ## 154 | 3.821897e-02 | 0 | 0.094036697 | 0.67563671 | 0.58196178 | 0.67563671 |
| ## 40 | 1.724880e+01 | 0 | 5.165341812 | 0.18376854 | 0.18376854 | 0.28893616 |
| ## 356 | 6.630060e-02 | 0 | 0.243682310 | 0.64222058 | 0.55317870 | 0.76957029 |
| ## 473 | 4.913885e+00 | 0 | 1.654545455 | 0.46550245 | 0.20048099 | 0.46550245 |
| ## 133 | 1.471459e+01 | 0 | 2.000477555 | 0.93090747 | 0.93090747 | 0.85422506 |
| ## 152 | 3.079493e+01 | 0 | 0.173116090 | 0.83627999 | 0.83627999 | 0.81840526 |
| ## 4 | 2.121836e-02 | 0 | 0.279069767 | 0.58864455 | 0.50703082 | 0.53262203 |
| ## 56 | 4.010127e-01 | 0 | 0.238390093 | 0.81671815 | 0.55749687 | 0.62740902 |
| ## 384 | 2.014737e+00 | 0 | 0.410011919 | 0.88539234 | 0.88539234 | 0.89273523 |
| ## 145 | 2.966116e-02 | 0 | 0.016152717 | 0.90561852 | 0.61818081 | 0.89496454 |
| ## 234 | 1.847268e+00 | 0 | 0.927786499 | 0.98144460 | 0.98144460 | 0.93549029 |
| ## 361 | 1.430202e+01 | 0 | 0.061302682 | 0.72112021 | 0.62113914 | 0.68647753 |
| ## 348 | 2.482097e+00 | 0 | 0.028776978 | 0.75000000 | 0.51195465 | 0.75000000 |
| ## 197 | 1.698458e+00 | 0 | 0.376302083 | 0.45073741 | 0.45073741 | 0.58446424 |

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| ## 136 | 2.011887e+01 | 0 | 0.070028011 | 0.82827572 | 0.71343787 | 0.84549452 |
| ## 192 | 7.516992e+00 | 0 | 0.715736041 | 0.05978985 | 0.04081292 | 0.07774273 |
| ## 258 | 2.561353e-02 | 0 | 0.836088154 | 0.56160955 | 0.56160955 | 0.50925495 |
| ## 61 | 3.120213e+00 | 0 | 0.054507338 | 0.72974558 | 0.62856863 | 0.81308697 |
| ## 240 | 1.545614e+01 | 0 | 1.138297872 | 0.75917343 | 0.75917343 | 0.72577798 |
| ## 293 | 3.051450e+00 | 0 | 0.069478908 | 0.81308286 | 0.70035145 | 0.85009365 |
| ## 255 | 2.394745e-02 | 0 | 0.035143770 | 0.43949699 | 0.18928105 | 0.43949699 |
| ## 245 | 1.091411e+00 | 0 | 0.162977867 | 0.57202743 | 0.49271761 | 0.57202743 |
| ## 77 | 7.189469e+00 | 0 | 0.397831526 | 0.61950090 | 0.61950090 | 0.58258420 |
| ## 156 | 4.691881e-01 | 0 | 0.036649215 | 0.54070410 | 0.36908797 | 0.54070410 |
| ## 43 | 5.073523e+00 | 0 | 0.286144578 | 0.98194079 | 0.42289888 | 0.91847803 |
| ## 474 | 2.277483e-01 | 0 | 0.200492005 | 0.86073590 | 0.86073590 | 0.86790916 |
| ## 449 | 8.602817e-01 | 0 | 0.000000000 | 0.00000000 | 0.00000000 | 0.00000000 |
| ## 214 | 1.605626e+00 | 0 | 0.024590164 | 0.91829583 | 0.39548849 | 0.91829583 |
| ## 91 | 5.676504e+00 | 0 | 0.029197080 | 0.00000000 | 0.00000000 | 0.54356444 |
| ## 285 | 9.681366e-02 | 0 | 0.095563140 | 0.81404264 | 0.70117816 | 0.81404264 |
| ## 364 | 5.741590e+00 | 0 | 0.136231884 | 0.97330299 | 0.66438265 | 0.94822890 |
| ## 178 | 1.895461e-02 | 0 | 0.147619048 | 0.35965368 | 0.24550183 | 0.35965368 |
| ## 93 | 3.018517e+00 | 0 | 0.383333333 | 0.56358986 | 0.38470993 | 0.75332972 |
| ## 84 | 2.495908e+01 | 0 | 0.098802395 | 0.32984607 | 0.14205697 | 0.32984607 |
| ## 146 | 2.015516e+00 | 0 | 0.163009404 | 0.54324834 | 0.46792865 | 0.62880235 |
| ## 64 | 1.706324e+00 | 0 | 0.071312804 | 0.60456325 | 0.41267862 | 0.60175597 |
| ## 326 | 1.588457e+01 | 0 | 0.748609566 | 0.59961516 | 0.59961516 | 0.77419792 |
| ## 273 | 5.749308e-02 | 0 | 0.034682081 | 0.97986876 | 0.42200650 | 0.97986876 |
| ## 355 | 3.923706e+00 | 0 | 0.410179641 | 0.34223547 | 0.29478559 | 0.41579993 |
| ## 228 | 6.477949e-01 | 0 | 0.456701031 | 0.74626518 | 0.74626518 | 0.74540310 |
| ## 117 | 1.022446e+00 | 0 | 0.212643678 | 0.58999523 | 0.50819423 | 0.68664916 |
| ## 29 | 9.575354e-02 | 0 | 2.351351351 | 0.53288445 | 0.53288445 | 0.62462831 |
| ## 45 | 9.809525e+00 | 0 | 0.333333333 | 0.83669477 | 0.83669477 | 0.76710090 |
| ## 176 | 1.107897e+00 | 1 | 0.136235955 | 0.64102542 | 0.55214924 | 0.54403740 |
| ## 198 | 6.868306e+00 | 0 | 0.169971671 | 0.64499781 | 0.44027950 | 0.61528264 |
| ## 488 | 1.792018e-01 | 0 | 0.357414449 | 0.58002392 | 0.58002392 | 0.70602924 |
| ## 35 | 9.056974e-01 | 0 | 0.101078167 | 0.54658310 | 0.37310101 | 0.83026664 |
| ## 54 | 2.428520e+00 | 0 | 0.430379747 | 0.27376917 | 0.11790596 | 0.20530767 |
| ## 208 | 5.212950e+00 | 0 | 0.000000000 | 0.00000000 | 0.00000000 | 0.00000000 |
| ## 402 | 1.376667e-02 | 0 | 0.249022164 | 0.63262982 | 0.43183703 | 0.66490847 |
| ## 417 | 3.070248e+00 | 0 | 0.013043478 | 0.00000000 | 0.00000000 | 0.00000000 |
| ## 345 | 2.212636e+00 | 0 | 0.765069552 | 0.70503878 | 0.70503878 | 0.67337024 |
| ## 60 | 8.127618e+00 | 0 | 0.921585160 | 0.92490015 | 0.92490015 | 0.82015110 |
| ## 105 | 5.500079e-01 | 0 | 0.293051360 | 0.37100906 | 0.31956981 | 0.61489894 |
| ## 283 | 1.116659e+00 | 0 | 0.000000000 | 0.31734785 | 0.21662361 | 0.31734785 |
| ## 210 | 5.920170e-01 | 0 | 0.272727273 | 0.68891148 | 0.59339605 | 0.78199737 |
| ## 207 | 3.746627e+01 | 0 | 0.210702341 | 0.72403945 | 0.31182682 | 0.72403945 |
| ## 487 | 8.815746e+00 | 0 | 0.739229025 | 0.75758543 | 0.75758543 | 0.85229766 |
| ## 33 | 2.681344e+00 | 0 | 2.840294840 | 0.43477243 | 0.43477243 | 0.45496911 |
| ## 267 | 5.788282e+00 | 0 | 0.359322034 | 0.88344107 | 0.60304234 | 0.77307036 |
| ## 163 | 2.351891e+00 | 0 | 0.008466604 | 0.96563361 | 0.65914748 | 0.96563361 |
| ## 81 | 4.816519e+00 | 0 | 0.917525773 | 0.41794271 | 0.35999625 | 0.71359635 |
| ## 223 | 5.638744e+00 | 0 | 0.825806452 | 0.91796724 | 0.62661012 | 0.77502225 |
| ## 386 | 1.020818e-01 | 0 | 0.467973856 | 0.63976785 | 0.55106603 | 0.56673563 |
| ## 343 | 1.981644e+00 | 0 | 0.498637602 | 0.40222365 | 0.40222365 | 0.48922964 |
| ## 137 | 1.346588e+02 | 0 | 1.840476190 | 0.78530776 | 0.78530776 | 0.82065481 |
| ## 483 | 1.673215e+01 | 0 | 0.072000000 | 0.84125017 | 0.72461346 | 0.89200840 |
| ## 71 | 1.998807e-01 | 0 | 0.383542538 | 0.48715437 | 0.48715437 | 0.48503601 |

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| ## 358 | 1.908442e+00 | 0 | 0.776545166 | 0.42190425 | 0.42190425 | 0.36285626 |
| ## 323 | 2.632343e+00 | 0 | 0.016528926 | 0.00000000 | 0.00000000 | 0.95443400 |
| ## 385 | 3.666694e-02 | 0 | 0.192307692 | 0.64965286 | 0.44345707 | 0.80117117 |
| ## 261 | 2.331973e+00 | 0 | 0.052513966 | 0.82649204 | 0.82649204 | 0.82649204 |
| ## 17 | 6.664520e+00 | 0 | 1.056265985 | 0.89199731 | 0.89199731 | 0.87972243 |
| ## 275 | 6.777476e+00 | 0 | 0.503816794 | 0.00000000 | 0.00000000 | 0.29913260 |
| ## 338 | 3.343581e+00 | 0 | 0.881748072 | 0.58041143 | 0.49993920 | 0.53608106 |
| ## 315 | 6.167515e-01 | 0 | 0.720034247 | 0.93738420 | 0.93738420 | 0.92469602 |
| ## 189 | 5.567098e+00 | 0 | 0.022727273 | 0.86312057 | 0.37172580 | 0.86312057 |
| ## 243 | 6.818775e+00 | 0 | 1.015167931 | 0.60679894 | 0.60679894 | 0.62194406 |
| ## 179 | 7.916082e+01 | 0 | 0.162303665 | 0.90951001 | 0.90951001 | 0.91583249 |
| ## 107 | 3.652157e+00 | 0 | 0.047619048 | 0.93547530 | 0.80577456 | 0.93547530 |
| ## 305 | 1.675737e+01 | 0 | 1.159942363 | 0.44019979 | 0.44019979 | 0.53477641 |
| ## 248 | 6.767408e-01 | 0 | 0.507117438 | 0.90119016 | 0.90119016 | 0.83811850 |
| ## 419 | 4.023544e+01 | 0 | 6.524079320 | 0.73387897 | 0.73387897 | 0.77183198 |
| ## 395 | 8.358713e+01 | 0 | 0.108076010 | 0.61081839 | 0.61081839 | 0.70636289 |
| ## 496 | 6.848933e-02 | 0 | 0.045783133 | 0.29747225 | 0.12811432 | 0.29747225 |
| ## 86 | 1.045899e+01 | 0 | 1.110215054 | 0.58036889 | 0.49990255 | 0.69072446 |
| ## 438 | 4.556582e+00 | 0 | 0.236842105 | 0.67116323 | 0.57810854 | 0.61702565 |
| ## 282 | 5.178725e-02 | 0 | 0.255687974 | 0.66534810 | 0.66534810 | 0.66534810 |
| ## 23 | 3.277066e+00 | 0 | 0.831043956 | 0.43818537 | 0.43818537 | 0.63846224 |
| ## 321 | 7.855336e+00 | 0 | 0.357737105 | 0.87114012 | 0.75035926 | 0.86565885 |
| ## 406 | 3.368928e-02 | 0 | 0.536637931 | 0.65326713 | 0.65326713 | 0.60513255 |
| ## 51 | 4.815456e+00 | 0 | 0.338596491 | 0.67992762 | 0.67992762 | 0.62375031 |
| ## 55 | 2.119755e+00 | 0 | 0.363945578 | 0.86310041 | 0.58915769 | 0.86310041 |
| ## 106 | 2.521310e-01 | 0 | 0.055884843 | 0.64801755 | 0.44234079 | 0.64801755 |
| ## 427 | 2.728177e+00 | 0 | 0.435028249 | 0.17378132 | 0.07484354 | 0.35679980 |
| ## 290 | 3.963268e+00 | 0 | 0.363949483 | 0.75640754 | 0.65153399 | 0.68880952 |
| ## 324 | 1.953914e+01 | 0 | 0.308285164 | 0.48984461 | 0.48984461 | 0.44784631 |
| ## 15 | 1.566827e+01 | 0 | 0.171779141 | 0.58262613 | 0.39770421 | 0.50216069 |
| ## 303 | 9.917924e+00 | 0 | 0.004132231 | 0.00000000 | 0.00000000 | 0.00000000 |
| ## 169 | 5.479551e+00 | 0 | 0.528046422 | 0.45146039 | 0.38886681 | 0.61651799 |
| ## 116 | 6.159521e-01 | 0 | 1.377551020 | 0.81804676 | 0.81804676 | 0.86090642 |
| ## 102 | 2.170946e-03 | 0 | 0.316742081 | 0.78450019 | 0.78450019 | 0.73499591 |
| ## 262 | 1.928027e+00 | 0 | 0.459747818 | 0.83860873 | 0.83860873 | 0.81103913 |
| ## 448 | 5.246641e-01 | 0 | 1.005649718 | 0.84806729 | 0.84806729 | 0.92524054 |
| ## 380 | 6.079381e-01 | 0 | 0.512048193 | 0.82867775 | 0.82867775 | 0.79822176 |
| ## 418 | 3.091425e+00 | 0 | 0.141304348 | 0.77190633 | 0.66488392 | 0.77190633 |
| ## 489 | 6.613516e+00 | 0 | 5.489116517 | 0.80744076 | 0.80744076 | 0.75345102 |
| ## 235 | 9.633515e-01 | 0 | 0.739130435 | 0.67418144 | 0.67418144 | 0.72104882 |
| ## 457 | 5.983804e+00 | 0 | 0.333333333 | 0.49144361 | 0.49144361 | 0.65174348 |
| ## 244 | 3.355840e+00 | 0 | 0.801282051 | 0.21956145 | 0.18911994 | 0.31967364 |
| ## 25 | 1.355401e-01 | 0 | 1.438162544 | 0.65422411 | 0.56351797 | 0.60832755 |
| ## 281 | 2.651346e+01 | 0 | 19.922535210 | 0.81296427 | 0.81296427 | 0.82992022 |
| ## 119 | 6.638057e+00 | 0 | 1.546632124 | 0.30044051 | 0.30044051 | 0.59990756 |
| ## 400 | 1.505995e-02 | 0 | 0.126760563 | 0.69920309 | 0.47728036 | 0.69920309 |
| ## 481 | 1.888984e+00 | 0 | 0.335640138 | 0.72782356 | 0.62691309 | 0.72782356 |
| ## 180 | 6.384484e+01 | 0 | 0.059782609 | 0.00000000 | 0.00000000 | 0.00000000 |
| ## 482 | 7.454174e+00 | 0 | 2.895397490 | 0.68428170 | 0.68428170 | 0.66099934 |
| ## 319 | 1.619275e+01 | 0 | 0.051418440 | 0.68839878 | 0.46990527 | 0.68839878 |
| ## 38 | 1.124164e+00 | 0 | 0.046431642 | 0.70175258 | 0.47902066 | 0.67866300 |
| ## 388 | 2.011814e+00 | 0 | 0.277894737 | 0.50041423 | 0.43103336 | 0.77442957 |
| ## 309 | 4.066651e-02 | 0 | 0.017964072 | 0.00000000 | 0.00000000 | 0.00000000 |
| ## 78 | 2.918375e-01 | 0 | 0.085674157 | 0.92883915 | 0.40002925 | 0.78549100 |

| | | | | | | |
|--------|--------------|---|--------------|------------|------------|------------|
| ## 7 | 7.072055e+00 | 0 | 1.664543524 | 0.87356292 | 0.87356292 | 0.96901946 |
| ## 12 | 1.055011e+00 | 0 | 1.269489894 | 0.83840220 | 0.83840220 | 0.76264798 |
| ## 211 | 6.678645e-02 | 0 | 0.423728814 | 0.83235867 | 0.83235867 | 0.79203078 |
| ## 167 | 2.491019e-01 | 0 | 0.196808511 | 0.63072337 | 0.54327554 | 0.70448887 |
| ## 377 | 6.086718e+00 | 0 | 0.202295552 | 0.34611798 | 0.23626228 | 0.66274335 |
| ## 332 | 2.321208e+00 | 0 | 0.344615385 | 0.31454308 | 0.21470905 | 0.45998558 |
| ## 144 | 4.256314e+00 | 0 | 2.632208923 | 0.93241475 | 0.93241475 | 0.90240913 |
| ## 260 | 9.833700e+00 | 0 | 10.939516130 | 0.63704237 | 0.63704237 | 0.76586277 |
| ## 453 | 9.529639e+01 | 0 | 0.611208406 | 0.84157504 | 0.84157504 | 0.76176679 |
| ## 491 | 4.405841e+00 | 0 | 0.138888889 | 0.87600157 | 0.87600157 | 0.90677318 |
| ## 52 | 1.957087e+00 | 0 | 0.070454545 | 0.44116606 | 0.44116606 | 0.68101055 |
| ## 206 | 3.884053e+00 | 0 | 0.158192090 | 0.86312057 | 0.37172580 | 0.69081402 |
| ## 160 | 2.663863e+00 | 0 | 0.062256809 | 0.81404234 | 0.70117790 | 0.81404234 |
| ## 277 | 3.777386e-01 | 0 | 0.237562189 | 0.66199718 | 0.66199718 | 0.72291769 |
| ## 88 | 5.548429e+01 | 0 | 4.393741851 | 0.52052913 | 0.52052913 | 0.51784796 |
| ## 1 | 5.259441e+00 | 0 | 0.204472843 | 0.62180479 | 0.42444780 | 0.56482922 |
| ## 426 | 4.591816e+00 | 0 | 0.038961039 | 0.79159504 | 0.79159504 | 0.79159504 |
| ## 353 | 8.821659e-01 | 0 | 0.450980392 | 0.69832336 | 0.69832336 | 0.75818782 |
| ## 157 | 3.184645e+00 | 0 | 0.468690702 | 0.60423120 | 0.60423120 | 0.71383239 |
| ## 368 | 6.741851e+00 | 0 | 1.252465483 | 0.71452428 | 0.61545771 | 0.77060812 |
| ## 365 | 1.282982e+02 | 0 | 0.894736842 | 0.84753275 | 0.84753275 | 0.88998935 |
| ## 57 | 3.522032e+00 | 0 | 2.822463768 | 0.74801784 | 0.74801784 | 0.67224860 |
| ## 493 | 1.512237e+00 | 0 | 1.065454545 | 0.10279088 | 0.07016569 | 0.10279088 |
| ## 259 | 1.640810e-01 | 0 | 0.642045455 | 0.62099860 | 0.62099860 | 0.61373820 |
| ## 265 | 4.419312e-01 | 0 | 1.139315230 | 0.72252157 | 0.72252157 | 0.76925930 |
| ## 307 | 3.580404e-01 | 0 | 0.379365079 | 0.76118996 | 0.51959298 | 0.89513736 |
| ## 170 | 2.795607e+00 | 0 | 0.057859209 | 0.82888465 | 0.82888465 | 0.93208579 |
| ## 121 | 1.020682e+00 | 0 | 0.136157337 | 0.69617211 | 0.59965002 | 0.66623801 |
| ## 276 | 4.818619e-02 | 0 | 0.714579055 | 0.46464077 | 0.46464077 | 0.75852427 |
| ## 394 | 5.390822e+00 | 0 | 0.411627907 | 0.28504620 | 0.19457430 | 0.71493392 |
| ## 32 | 6.403937e+00 | 0 | 2.764525994 | 0.49177200 | 0.49177200 | 0.48638720 |
| ## 2 | 2.520798e+01 | 0 | 0.323863636 | 0.68920198 | 0.29682314 | 0.94226529 |
| ## 219 | 7.172382e-02 | 0 | 0.109350238 | 0.30458282 | 0.20791012 | 0.26753299 |
| ## 327 | 2.324017e-02 | 0 | 0.103921569 | 0.86864927 | 0.74821375 | 0.85262012 |
| ## 257 | 2.349588e+01 | 0 | 5.113031915 | 0.87642391 | 0.87642391 | 0.95065545 |
| ## 227 | 6.430728e+00 | 0 | 0.192389006 | 0.92544825 | 0.39856887 | 0.79477396 |
| ## 195 | 1.379695e+00 | 0 | 0.199805068 | 0.58191405 | 0.50123348 | 0.73635683 |
| ## 59 | 3.990241e-01 | 0 | 0.109090909 | 0.00000000 | 0.00000000 | 0.65002242 |
| ## 497 | 1.196743e-02 | 0 | 0.038251366 | 0.98522814 | 0.42431466 | 0.98522814 |
| ## 311 | 5.982702e-01 | 0 | 0.403901734 | 0.84586792 | 0.84586792 | 0.81319636 |
| ## 363 | 2.464773e+00 | 0 | 0.417624521 | 0.56071348 | 0.56071348 | 0.59443033 |
| ## 46 | 8.528627e-02 | 0 | 0.066485753 | 0.77460989 | 0.77460989 | 0.80406337 |
| ## 490 | 2.692896e+01 | 0 | 0.489230769 | 0.82344646 | 0.70927818 | 0.78838127 |
| ## 286 | 1.471864e+01 | 0 | 11.621621620 | 0.44548733 | 0.44548733 | 0.40834367 |
| ## 256 | 1.905775e+00 | 0 | 4.871757925 | 0.78858813 | 0.78858813 | 0.85202312 |
| ## 41 | 5.931885e-01 | 0 | 0.060532688 | 0.80331070 | 0.69193417 | 0.73233125 |
| ## 462 | 7.022484e+00 | 0 | 0.529940120 | 0.52547956 | 0.45262346 | 0.47750671 |
| ## 110 | 5.068818e+00 | 0 | 2.912863071 | 0.90058508 | 0.90058508 | 0.89914916 |
| ## 249 | 1.020699e+00 | 0 | 0.237226277 | 0.49291578 | 0.21228727 | 0.49291578 |
| ## 185 | 2.016298e+00 | 0 | 0.422448980 | 0.74585257 | 0.74585257 | 0.77638969 |
| ## 150 | 4.769471e+00 | 0 | 1.479452055 | 0.71463152 | 0.71463152 | 0.80226958 |
| ## 331 | 1.213371e+00 | 0 | 0.625592417 | 0.58455168 | 0.39901860 | 0.57770641 |
| ## 271 | 1.904236e-02 | 0 | 0.117647059 | 0.89371733 | 0.89371733 | 0.89371733 |
| ## 268 | 5.889299e+00 | 0 | 0.169863014 | 0.74086569 | 0.31907348 | 0.63312496 |

| | | | | | | |
|--------|--------------|---|--------------|------------|------------|------------|
| ## 463 | 1.093128e+01 | 0 | 0.477443609 | 0.23562075 | 0.16083618 | 0.44998882 |
| ## 495 | 3.166780e-01 | 0 | 0.212421242 | 0.64375156 | 0.55449741 | 0.75771301 |
| ## 362 | 2.119535e+01 | 0 | 0.458549223 | 0.63400724 | 0.63400724 | 0.68389449 |
| ## 460 | 2.567568e+01 | 0 | 3.697563559 | 0.69743875 | 0.69743875 | 0.60919273 |
| ## 330 | 3.953586e+00 | 0 | 0.189349112 | 0.67146426 | 0.45834566 | 0.65571026 |
| ## 231 | 3.535540e+00 | 0 | 0.144680851 | 0.00000000 | 0.00000000 | 0.00000000 |
| ## 19 | 4.820952e+00 | 0 | 0.515754561 | 0.63498526 | 0.54694653 | 0.59187869 |
| ## 142 | 4.124751e+01 | 0 | 0.211240310 | 0.68524885 | 0.68524885 | 0.75628530 |
| ## 472 | 9.297689e-02 | 0 | 0.847750865 | 0.41700259 | 0.41700259 | 0.41510383 |
| ## 279 | 1.127702e+01 | 0 | 0.865900383 | 0.94425880 | 0.94425880 | 0.90813123 |
| ## 295 | 4.493467e-02 | 0 | 0.344327177 | 0.64319732 | 0.64319732 | 0.57599148 |
| ## 148 | 1.009922e-02 | 0 | 0.048923679 | 0.81987465 | 0.55965151 | 0.81987465 |
| ## 99 | 9.245762e-02 | 0 | 0.307036247 | 0.78833415 | 0.67903408 | 0.79681452 |
| ## 373 | 4.283346e+00 | 0 | 0.243243243 | 0.56861992 | 0.38814348 | 0.52900975 |
| ## 312 | 7.277694e-01 | 0 | 0.256603774 | 0.59997712 | 0.40954810 | 0.77345732 |
| ## 393 | 9.528954e-02 | 0 | 0.060000000 | 0.84990862 | 0.58015289 | 0.84990862 |
| ## 173 | 2.136223e+00 | 0 | 1.192622951 | 0.78951532 | 0.78951532 | 0.76162286 |
| ## 162 | 3.142977e+00 | 0 | 0.572347267 | 0.83198328 | 0.71663139 | 0.77124812 |
| ## 374 | 3.368805e+00 | 0 | 0.226457399 | 0.97450817 | 0.97450817 | 0.94181402 |
| ## 76 | 7.558774e+00 | 0 | 1.616972477 | 0.83546049 | 0.83546049 | 0.91915645 |
| ## 500 | 8.488339e+00 | 0 | 0.515570934 | 0.21982406 | 0.21982406 | 0.39682091 |
| ## 216 | 4.298163e-01 | 0 | 3.114327062 | 0.78958548 | 0.78958548 | 0.65350649 |
| ## 411 | 4.839153e+01 | 0 | 19.053995680 | 0.80278851 | 0.80278851 | 0.71414001 |
| ## 230 | 6.502674e+00 | 0 | 4.088235294 | 0.76377414 | 0.76377414 | 0.81908571 |
| ## 16 | 8.091374e-03 | 0 | 0.273584906 | 0.95120016 | 0.40965961 | 0.53452142 |
| ## 222 | 7.234207e+00 | 0 | 0.000000000 | 0.00000000 | 0.00000000 | 0.00000000 |
| ## 8 | 4.599024e+01 | 0 | 0.053459119 | 0.34951498 | 0.30105582 | 0.43533545 |
| ## 340 | 1.231049e-01 | 0 | 0.561461794 | 0.87550083 | 0.87550083 | 0.86507822 |
| ## 22 | 3.315750e+00 | 0 | 0.270609319 | 0.80451946 | 0.69297535 | 0.74467231 |
| ## 128 | 1.400791e+01 | 0 | 3.392801252 | 0.84666823 | 0.84666823 | 0.83610524 |
| ## 469 | 8.718882e+00 | 0 | 2.346036585 | 0.85303578 | 0.85303578 | 0.83306781 |
| ## 109 | 8.373459e+00 | 0 | 0.194630872 | 0.78585210 | 0.78585210 | 0.85306983 |
| ## 50 | 3.699461e-02 | 0 | 0.211143695 | 0.52097405 | 0.35562012 | 0.48046868 |
| ## 69 | 8.907025e+00 | 0 | 1.191204589 | 0.61459724 | 0.52938525 | 0.68785707 |
| ## 403 | 2.540197e-01 | 0 | 0.472789116 | 0.57067798 | 0.38954832 | 0.57067798 |
| ## 442 | 4.670540e+00 | 0 | 0.199203187 | 0.85830861 | 0.85830861 | 0.87228640 |
| ## 143 | 8.608050e+00 | 0 | 4.155812036 | 0.76259183 | 0.76259183 | 0.66368569 |
| ## 168 | 7.826737e+00 | 0 | 0.044776119 | 0.69128987 | 0.29772234 | 0.69128987 |
| ## 360 | 1.072347e+01 | 0 | 0.159633028 | 0.54758443 | 0.23583178 | 0.54758443 |
| ## 20 | 1.341361e+01 | 0 | 2.636363636 | 0.61856902 | 0.61856902 | 0.68889057 |
| ## 440 | 1.277664e+00 | 0 | 0.367851623 | 0.94257284 | 0.94257284 | 0.85730929 |
| ## 451 | 2.433333e+00 | 0 | 1.203143894 | 0.75013420 | 0.75013420 | 0.73067632 |
| ## 196 | 2.005188e-02 | 0 | 0.130952381 | 0.81318716 | 0.55508659 | 0.77683793 |
| ## 27 | 1.630009e-02 | 0 | 0.305841924 | 0.71752006 | 0.61803814 | 0.71412009 |
| ## 134 | 3.334010e+00 | 0 | 0.153846154 | 0.81686571 | 0.70360983 | 0.81686571 |
| ## 494 | 3.030726e+00 | 0 | 1.456021651 | 0.22788655 | 0.22788655 | 0.26429348 |
| ## 205 | 1.978063e+00 | 0 | 0.893294881 | 0.82983656 | 0.82983656 | 0.89533021 |
| ## 294 | 5.205688e+01 | 0 | 0.118784530 | 0.27138959 | 0.11688113 | 0.27138959 |
| ## 123 | 1.265626e+01 | 0 | 5.465277778 | 0.84610512 | 0.84610512 | 0.94803705 |
| ## 253 | 2.859191e-02 | 0 | 0.000000000 | 0.00000000 | 0.00000000 | 0.00000000 |
| ## 466 | 4.422281e+00 | 0 | 0.057065217 | 0.86312057 | 0.37172580 | 0.86312057 |
| ## 139 | 1.203161e+01 | 0 | 2.805732484 | 0.76229084 | 0.76229084 | 0.76305731 |
| ## 95 | 1.137884e-02 | 0 | 0.175398633 | 0.53937863 | 0.46459546 | 0.63696520 |
| ## 369 | 4.637369e+00 | 0 | 0.382892057 | 0.71837913 | 0.71837913 | 0.71837913 |

| | | | | | | |
|--------|--------------|---|--------------|------------|------------|------------|
| ## 127 | 6.509507e-02 | 0 | 0.210386152 | 0.76178588 | 0.65616664 | 0.85915399 |
| ## 484 | 7.156778e-01 | 0 | 0.157243816 | 0.80410680 | 0.69261990 | 0.72432141 |
| ## 450 | 4.467573e-02 | 0 | 0.068561873 | 0.76575135 | 0.65958231 | 0.72988623 |
| ## 72 | 1.045945e+01 | 0 | 1.766187050 | 0.86937883 | 0.86937883 | 0.85302269 |
| ## 204 | 1.958156e-01 | 0 | 0.068669528 | 0.54356444 | 0.23410046 | 0.54356444 |
| ## 301 | 4.495800e+00 | 0 | 1.049212598 | 0.73595243 | 0.73595243 | 0.74531435 |
| ## 465 | 2.206014e+00 | 0 | 1.633825944 | 0.91901327 | 0.91901327 | 0.92302130 |
| ## 339 | 1.252513e-01 | 0 | 0.476117103 | 0.80197975 | 0.80197975 | 0.72432277 |
| ## 328 | 9.023510e+01 | 0 | 0.412556054 | 0.16399110 | 0.11194134 | 0.16399110 |
| ## 299 | 4.734383e+00 | 0 | 0.319218241 | 0.10355723 | 0.07068881 | 0.20096461 |
| ## 349 | 2.094161e+00 | 0 | 0.247524752 | 0.51801151 | 0.35359786 | 0.51801151 |
| ## 399 | 1.106885e-01 | 0 | 0.476454294 | 0.86865569 | 0.86865569 | 0.86865569 |
| ## 92 | 3.718515e+00 | 0 | 0.059523810 | 0.00000000 | 0.00000000 | 0.00000000 |
| ## 467 | 4.981201e+00 | 0 | 0.131355932 | 0.78291641 | 0.53442359 | 0.69842185 |
| ## 352 | 6.298642e+00 | 0 | 0.290598291 | 0.28221763 | 0.12154452 | 0.20038724 |
| ## 232 | 1.609477e+00 | 0 | 1.035519126 | 0.85923928 | 0.85923928 | 0.91497356 |
| ## 13 | 2.590210e+00 | 0 | 0.057351408 | 0.70156422 | 0.47889208 | 0.70156422 |
| ## 104 | 5.403954e+00 | 0 | 0.119904077 | 0.95669369 | 0.65304504 | 0.92373734 |
| ## 80 | 2.736318e-02 | 0 | 0.536231884 | 0.57860516 | 0.49838336 | 0.51801157 |
| ## 131 | 2.401309e-01 | 0 | 0.262533693 | 0.81552586 | 0.81552586 | 0.74588441 |
| ## 376 | 2.572465e+00 | 0 | 2.525562372 | 0.75763776 | 0.75763776 | 0.78435705 |
| ## 166 | 2.238224e-02 | 0 | 0.821515892 | 0.74384154 | 0.74384154 | 0.67390013 |
| ## 478 | 8.904123e+00 | 0 | 1.665217391 | 0.86388280 | 0.86388280 | 0.73531288 |
| ## 264 | 1.561325e+01 | 0 | 4.237762238 | 0.80989738 | 0.80989738 | 0.83754348 |
| ## 254 | 2.999568e+00 | 0 | 1.168938945 | 0.83928410 | 0.83928410 | 0.73925341 |
| ## 129 | 3.560560e+00 | 0 | 0.282051282 | 0.71381384 | 0.61484577 | 0.87361165 |
| ## 292 | 2.174749e+00 | 0 | 1.149220490 | 0.92186237 | 0.92186237 | 0.89799862 |
| ## 430 | 5.514130e-01 | 0 | 0.520179372 | 0.83402886 | 0.71839336 | 0.83402886 |
| ## 130 | 1.552992e+00 | 0 | 0.210790464 | 0.92644422 | 0.63239656 | 0.96968170 |
| ## 183 | 3.105347e+01 | 0 | 0.053977273 | 0.80222513 | 0.80222513 | 0.90327490 |
| ## 325 | 5.887127e+00 | 0 | 1.679389313 | 0.91336637 | 0.91336637 | 0.88357290 |
| ## 280 | 9.153993e+00 | 0 | 0.982812500 | 0.49286579 | 0.42453148 | 0.75580927 |
| ## 420 | 7.846664e+00 | 0 | 0.820734341 | 0.51537410 | 0.44391909 | 0.49269954 |
| ## 18 | 1.279863e+01 | 0 | 0.736507937 | 0.90367052 | 0.77837942 | 0.79360948 |
| ## 74 | 1.314804e+01 | 0 | 0.033568905 | 0.99751948 | 0.68091297 | 0.93550956 |
| ## 153 | 1.552869e-01 | 0 | 2.206959707 | 0.92562862 | 0.92562862 | 0.89406989 |
| ## 447 | 4.971780e+00 | 0 | 0.670391061 | 0.75698294 | 0.75698294 | 0.71224367 |
| ## 172 | 1.988033e+01 | 0 | 1.653846154 | 0.71382913 | 0.61485894 | 0.77615645 |
| ## 79 | 9.334390e+00 | 0 | 2.600000000 | 0.72198182 | 0.72198182 | 0.70747906 |
| ## 344 | 9.674107e+01 | 0 | 0.737730061 | 0.45266861 | 0.38990752 | 0.42854661 |
| ## 354 | 6.823249e+00 | 0 | 0.064814815 | 0.98522814 | 0.42431466 | 0.86991553 |
| ## 225 | 6.587790e+00 | 0 | 0.988919668 | 0.55599543 | 0.55599543 | 0.59122603 |
| ## 239 | 5.109508e+01 | 0 | 2.235164835 | 0.61198913 | 0.61198913 | 0.70948639 |
| ## 220 | 3.434977e+00 | 0 | 0.149797571 | 0.95688867 | 0.41210952 | 0.69235389 |
| ## 94 | 8.176458e-02 | 0 | 0.480812641 | 0.54140893 | 0.54140893 | 0.50704948 |
| ## 288 | 3.368535e+01 | 0 | 0.603448276 | 0.76659586 | 0.76659586 | 0.81420996 |
| ## 62 | 7.522696e+00 | 0 | 11.150000000 | 0.33041013 | 0.22554000 | 0.33041013 |
| ## 251 | 1.453279e+01 | 0 | 0.290434783 | 0.53196177 | 0.53196177 | 0.86195731 |
| ## 389 | 4.317299e+00 | 0 | 0.035055351 | 0.48546076 | 0.20907657 | 0.48546076 |
| ## 382 | 1.917919e-01 | 0 | 2.164435946 | 0.49001901 | 0.49001901 | 0.49001901 |
| ## 246 | 1.450364e+00 | 0 | 0.088507266 | 0.49402000 | 0.33722111 | 0.75220869 |
| ## 425 | 3.097838e+00 | 0 | 0.260975610 | 0.56602994 | 0.48755165 | 0.49205825 |
| ## 174 | 6.928706e+00 | 0 | 0.227272727 | 0.66769668 | 0.45577389 | 0.59791551 |
| ## 296 | 5.823029e+00 | 0 | 0.137931034 | 0.84865425 | 0.73099098 | 0.84865425 |

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## 461 2.216780e+01      0 0.609009009 0.57522134 0.57522134 0.51571955
## 367 7.993052e+00      0 3.955307263 0.65038937 0.65038937 0.64941998
## 48  1.898068e+00      0 2.085714286 0.63402330 0.63402330 0.57500775
## 408 2.977848e-01      0 1.805874840 0.59640340 0.51371393 0.50540418
## 218 4.582780e+00      0 8.144208038 0.51338069 0.51338069 0.61232793
##      D2B_E8MIXA  D2A_EPHHM  D2C_TRPMX1  D2C_TRPMX2  D2C_TRIPEQ  D2R_JOBPOP
## 429 0.21557439 0.58979180 0.307764909 0.330988352 4.896154e-01 0.646684832
## 297 0.47615528 0.48013721 0.589346525 0.655116905 8.066938e-01 0.355179704
## 221 0.33948138 0.59412887 0.716057663 0.626504588 8.583580e-01 0.735228540
## 83  0.72732933 0.45338675 0.625176781 0.689339291 6.042959e-01 0.195770393
## 431 0.61199876 0.16043636 0.199871822 0.209559460 4.031830e-05 0.038007864
## 284 0.61362051 0.53692749 0.551340994 0.548912416 5.025205e-01 0.357588358
## 159 0.51080979 0.53277850 0.616679448 0.683997738 9.899700e-01 0.266524520
## 263 0.30310888 0.46574215 0.299571948 0.246418734 4.018121e-03 0.201077199
## 435 0.70018684 0.85873302 0.643047680 0.687316051 4.178475e-01 0.740197461
## 302 0.38050613 0.41194847 0.367915068 0.341170973 2.964575e-02 0.165590135
## 485 0.74983466 0.46379192 0.622545449 0.679377263 5.678903e-01 0.158775705
## 250 0.54635847 0.38843946 0.406022627 0.437672406 1.485154e-01 0.138582677
## 410 0.51746307 0.21751325 0.254143983 0.265761137 1.346604e-03 0.044609665
## 445 0.62928675 0.44921598 0.514480399 0.537046372 3.158440e-01 0.184986595
## 63  0.77102629 0.53863466 0.559448033 0.609356481 9.592906e-01 0.252552391
## 247 0.55249746 0.41868835 0.542918626 0.603280712 9.234413e-01 0.304675716
## 415 0.46770529 0.36514016 0.448371835 0.496415761 3.656499e-01 0.196078431
## 194 0.59289004 0.73591217 0.689371645 0.766251527 3.975636e-01 0.523481528
## 390 0.65049485 0.66685354 0.715541282 0.746065808 8.030243e-01 0.360010926
## 191 0.74250761 0.75765926 0.664651645 0.722454668 4.664049e-01 0.679223072
## 477 0.62522807 0.53306762 0.592555869 0.654992467 8.870232e-01 0.277248677
## 468 0.79736472 0.67457626 0.762295198 0.844330366 6.664643e-01 0.458143075
## 70  0.24064270 0.19310922 0.187201457 0.201327201 3.689820e-04 0.027173913
## 229 0.78942939 0.22343621 0.367352810 0.400307316 3.013065e-02 0.064729194
## 97  0.33122584 0.45836770 0.342260553 0.378726678 4.141635e-01 0.971861837
## 112 0.23811102 0.48105786 0.447595096 0.498299900 5.961629e-01 0.134115675
## 458 0.56444829 0.30813629 0.463396755 0.515891615 1.644138e-01 0.096930533
## 126 0.77617151 0.44108573 0.600008771 0.656971590 6.789525e-01 0.264580370
## 434 0.73763470 0.47446035 0.633594308 0.690336702 7.277247e-01 0.170955882
## 372 0.50358063 0.42348281 0.550108547 0.604961474 7.681743e-01 0.194174757
## 171 0.00000000 0.00000000 0.000000000 0.000000000 3.678794e-01 0.000000000
## 455 0.65109954 0.87537993 0.786438388 0.805613799 4.067826e-01 0.552431950
## 432 0.74376957 0.80546524 0.804072176 0.867284493 6.193102e-01 0.640574038
## 437 0.36090680 0.41031505 0.307727859 0.320372920 7.267421e-02 0.095505618
## 215 0.67003523 0.65836082 0.714067333 0.780077513 7.795540e-01 0.502133713
## 441 0.41256432 0.53898738 0.410652029 0.351150914 5.535121e-02 0.278651685
## 213 0.50594722 0.37495114 0.310949004 0.346174163 6.992180e-03 0.110326567
## 118 0.79847692 0.64521775 0.654645409 0.695231776 7.297211e-01 0.476923077
## 456 0.32880891 0.30650852 0.310189277 0.345328372 1.995348e-02 0.041860465
## 58  0.30842127 0.59943800 0.704371175 0.592938295 6.619318e-01 0.957651426
## 379 0.35653022 0.38803858 0.304549267 0.246929000 2.664711e-03 0.230668414
## 407 0.83917728 0.88676351 0.825353790 0.871097333 5.627231e-01 0.713064713
## 422 0.42889756 0.21867079 0.231653477 0.254662649 6.878479e-03 0.046332046
## 351 0.40030343 0.10071342 0.110329293 0.115128641 1.133950e-09 0.013861386
## 452 0.61825381 0.45674446 0.566461488 0.604546237 3.970507e-01 0.187996189
## 366 0.69519568 0.54409403 0.567699460 0.623780065 8.058968e-01 0.320903955
## 397 0.67222302 0.66447191 0.582721393 0.620679944 5.375153e-01 0.503858875
## 201 0.73197892 0.65493874 0.540139620 0.588948887 7.968015e-01 0.405311778

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## 10 0.50608403 0.44777460 0.440483830 0.477470732 4.257170e-01 0.163907285
## 480 0.76596426 0.21585676 0.218319687 0.228761334 7.134770e-05 0.082413539
## 446 0.25478001 0.27393183 0.341207853 0.378073320 1.256059e-01 0.090352941
## 82 0.33175440 0.35449203 0.332772160 0.368038930 2.069490e-01 0.103683492
## 151 0.45943749 0.38675736 0.491714198 0.538078398 3.784240e-01 0.103603604
## 236 0.61593253 0.46959509 0.584953909 0.637027876 7.986784e-01 0.228514655
## 237 0.63238108 0.74568428 0.615468979 0.668800860 4.993403e-01 0.962082626
## 479 0.71037740 0.72813607 0.739943887 0.781014630 6.394108e-01 0.000000000
## 383 0.37229592 0.45290337 0.277663756 0.264767755 1.703337e-02 0.142259414
## 75 0.84307720 0.77381660 0.685629624 0.750624120 5.362825e-01 0.649712879
## 350 0.55297538 0.67869831 0.731037755 0.701305073 9.574534e-01 0.678638941
## 310 0.70071816 0.73714160 0.781979400 0.868759205 5.470958e-01 0.507642427
## 475 0.13045811 0.54669516 0.296384692 0.328138215 4.458302e-01 0.861035422
## 101 0.67074705 0.68105266 0.579543129 0.632797952 4.995687e-01 0.622850592
## 65 0.57918368 0.73838018 0.549815994 0.607377877 4.167110e-01 0.000000000
## 291 0.77156975 0.84548122 0.776795146 0.859972672 4.613387e-01 0.806260575
## 199 0.41781637 0.24799815 0.182067458 0.174249468 5.975090e-05 0.055096419
## 436 0.72058844 0.89423777 0.587929739 0.640370638 3.934514e-01 0.563463820
## 387 0.54406247 0.63835780 0.369879749 0.390356902 4.773327e-01 0.737637363
## 100 0.57877972 0.66238192 0.715411441 0.722700441 9.627793e-01 0.370044053
## 334 0.51892553 0.41761013 0.269658524 0.283067306 4.640891e-03 0.134615385
## 439 0.59063109 0.28765425 0.402535285 0.443955623 9.052811e-02 0.078910020
## 87 0.70624459 0.82215023 0.808695686 0.847890371 5.484567e-01 0.654042243
## 333 0.65614462 0.60871564 0.671244023 0.686942807 6.896151e-01 0.316449590
## 184 0.82054480 0.80011628 0.746893320 0.816930418 5.288676e-01 0.643520388
## 186 0.87965300 0.64777094 0.670918438 0.738620173 6.739657e-01 0.552966102
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## 224 0.00000000 0.04503629 0.004039432 0.000000000 0.000000e+00 0.004081633
## 486 0.74587875 0.79780924 0.728651665 0.758663869 6.716820e-01 0.495451365
## 164 0.35990994 0.57358977 0.670674126 0.567938540 5.136665e-01 0.712425202
## 226 0.69655590 0.43758459 0.591448918 0.653508029 5.424077e-01 0.148919135
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## 272 0.29256642 0.50371785 0.447065385 0.497710182 7.089124e-01 0.145210494
## 238 0.81306920 0.49571899 0.559603105 0.593523261 5.366371e-01 0.201918684
## 140 0.77474477 0.88559940 0.761528526 0.792988752 4.209527e-01 0.000000000
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## 359 0.71721779 0.63814363 0.702914782 0.723775549 8.610490e-01 0.414659686
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## 444 0.40329275 0.57752811 0.473042887 0.411760531 2.142745e-01 0.421709295
## 85 0.70822798 0.90434454 0.893768651 0.905884209 4.296538e-01 0.723739900
## 187 0.62326959 0.30600023 0.354925728 0.385450320 2.178976e-01 0.099158092
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## 202 0.56316076 0.09545094 0.134285722 0.140075212 1.095930e-08 0.017103763
## 37 0.51020633 0.19091609 0.245508555 0.265092658 1.172262e-03 0.044467972
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## 36 0.64546598 0.23701457 0.329207144 0.361483684 3.860352e-02 0.070317782
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## 47 0.34939414 0.31024065 0.142943295 0.143772746 5.147300e-08 0.097922849
## 89 0.00000000 0.39375698 0.230097597 0.256163686 7.146186e-03 0.052227343
## 454 0.80932824 0.25836372 0.399469712 0.434098573 5.560671e-02 0.000000000
## 336 0.23276061 0.42103945 0.390729060 0.420230982 4.813321e-01 0.191715976
## 252 0.56769649 0.37766457 0.448895051 0.457643023 1.182668e-01 0.149688150
## 464 0.73643427 0.52045729 0.639597501 0.694233347 8.470190e-01 0.331872260
## 212 0.70441274 0.73638688 0.732599048 0.733505506 7.430289e-01 0.000000000
## 233 0.84208982 0.94737984 0.765043937 0.812769925 4.398843e-01 0.871758935
## 428 0.00000000 0.99675566 0.365885390 0.407333894 6.517177e-01 0.349372385
## 154 0.45042447 0.23211976 0.183075570 0.168451553 5.739610e-06 0.065495208
## 40 0.27038212 0.38570308 0.177032160 0.187248162 3.955418e-01 0.626796281
## 356 0.59562896 0.41577255 0.417344205 0.424602269 2.200223e-01 0.160237389
## 473 0.15516748 0.78603049 0.382435356 0.425758686 4.587742e-01 0.606666667
## 133 0.79937098 0.91272410 0.801893271 0.874877692 4.590413e-01 0.858225773
## 152 0.70518230 0.34440421 0.503135777 0.548870425 2.896099e-01 0.212588579
## 4 0.41223669 0.43657541 0.407476661 0.422384110 4.163174e-01 0.000000000
## 56 0.48559954 0.47792854 0.340150823 0.327610525 7.812458e-02 0.166486486
## 384 0.76922903 0.56772111 0.694604304 0.757885429 9.512980e-01 0.240223464
## 145 0.59664302 0.07027391 0.070665892 0.074775327 0.000000e+00 0.000000000
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## 348 0.39624063 0.10868419 0.075968267 0.070683196 0.000000e+00 0.022878932
## 197 0.50360605 0.43810067 0.477972797 0.531403975 8.692878e-01 0.210871945
## 136 0.65439249 0.19686388 0.224114927 0.246145317 4.626900e-04 0.054525627
## 192 0.05182849 0.50981970 0.376320578 0.418951209 6.041061e-01 0.428246014
## 258 0.43880165 0.61433994 0.673517993 0.643538881 6.442315e-01 0.418765091
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## 245 0.38135162 0.32082268 0.421072620 0.468772885 3.647841e-01 0.136134454
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## 156 0.28566524 0.12543230 0.089420820 0.079644829 2.100000e-14 0.025485437
## 43 0.48525108 0.62029171 0.386793473 0.388683819 3.513620e-01 0.139296188
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## 84 0.10994869 0.29392247 0.288493382 0.317132414 6.037055e-02 0.075862069
## 146 0.54181017 0.31738599 0.372306236 0.401340044 1.879671e-01 0.095194508
## 64 0.40117065 0.20837962 0.225030681 0.239163715 3.435648e-03 0.046025105
## 326 0.72448278 0.61164933 0.639073075 0.708388043 5.796849e-01 0.566975569
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## 228 0.64227969 0.55724085 0.662369558 0.722767278 8.663015e-01 0.241680306
## 117 0.53145000 0.37758625 0.530325366 0.588811105 5.911370e-01 0.137418756
## 29 0.62462831 0.67599804 0.558114363 0.616405902 5.038352e-01 0.922123894
## 45 0.66097569 0.50173432 0.518375081 0.549062993 2.522323e-01 0.289235826
## 176 0.46877209 0.29406417 0.408379801 0.447323074 2.695487e-01 0.096325720
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```

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## 488 0.60835304 0.45892581 0.466935469 0.492252382 6.782795e-01 0.231527094
## 35 0.55351109 0.26098708 0.280262468 0.302297342 3.645508e-02 0.073673870
## 54 0.10846832 0.60868506 0.394347822 0.439020629 8.702960e-01 0.230352304
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## 417 0.00000000 0.09930374 0.085515103 0.095202489 4.165000e-12 0.008810573
## 345 0.58021227 0.65639718 0.726180171 0.724629953 8.392907e-01 0.454545455
## 60 0.76748507 0.78483007 0.710513514 0.760137649 5.915069e-01 0.558936333
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## 163 0.51016435 0.04140369 0.024982528 0.024327170 0.000000e+00 0.005501222
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## 137 0.76795644 0.81911146 0.676959406 0.747583029 4.524930e-01 0.966854284
## 483 0.69039312 0.20166621 0.274523928 0.301653865 3.937369e-03 0.073972603
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## 385 0.53411411 0.40173209 0.354121960 0.372309005 2.140474e-01 0.000000000
## 261 0.63968503 0.14765973 0.142945681 0.144601619 9.283290e-09 0.037796542
## 17 0.75801650 0.79822176 0.805230343 0.835843418 6.959124e-01 0.468519569
## 275 0.09971087 0.91997860 0.378409800 0.421277104 7.440114e-01 0.282051282
## 338 0.41491389 0.66371003 0.595693135 0.536681860 4.881685e-01 0.472777395
## 315 0.86531665 0.73190163 0.772018939 0.839948819 7.381607e-01 0.483472262
## 189 0.28770686 0.10910204 0.061144915 0.055941257 0.000000e+00 0.022151899
## 243 0.58200591 0.66141515 0.686454922 0.668197653 9.342426e-01 0.422262280
## 179 0.85702228 0.33972935 0.491308254 0.542424513 1.765948e-01 0.199196787
## 107 0.62365020 0.15151554 0.158763230 0.171107027 3.461860e-07 0.041194645
## 305 0.53477641 0.59766458 0.613969666 0.682857418 8.535731e-01 0.828189300
## 248 0.78429870 0.62882909 0.693924779 0.733573622 9.795742e-01 0.398044693
## 419 0.72226877 0.79029986 0.554802410 0.606898719 3.912770e-01 0.446543002
## 395 0.66100378 0.23190413 0.333965228 0.367772490 4.407157e-02 0.087373980
## 496 0.09915742 0.17185285 0.193983222 0.213896122 7.834640e-04 0.044340723
## 86 0.53460418 0.69283476 0.445705111 0.487047753 5.650991e-01 0.837728195
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## 282 0.51496348 0.40375567 0.527264613 0.574425548 4.544081e-01 0.182309772
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## 321 0.74589855 0.55600763 0.666077417 0.741532500 9.995461e-01 0.245293782
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## 51 0.53745705 0.47012671 0.528359352 0.579129415 9.964851e-01 0.189401374
## 55 0.45599393 0.60095292 0.638655482 0.711004133 9.111010e-01 0.177446103
## 106 0.34236117 0.17653173 0.138228480 0.129763290 5.870060e-08 0.034837688
## 427 0.18850477 0.59167879 0.390050214 0.434236176 8.481174e-01 0.295019157
## 290 0.59351559 0.53427941 0.584384953 0.635393763 9.074933e-01 0.231640482
## 324 0.38588864 0.40841183 0.490969154 0.544845653 9.786376e-01 0.228734811
## 15 0.33477379 0.36831575 0.244481778 0.211360719 6.879770e-04 0.090249799
## 303 0.00000000 0.03853718 0.035069580 0.039042358 0.000000e+00 0.003039514

```

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## 169 0.47717014 0.53493086 0.461213866 0.496161132 8.012368e-01 0.000000000
## 116 0.86090642 0.80553194 0.667846028 0.717481654 5.354678e-01 0.762096774
## 102 0.63331229 0.47742577 0.439241422 0.430796141 4.954161e-02 0.000000000
## 262 0.75895823 0.58494958 0.718603473 0.790575382 8.299068e-01 0.225178147
## 448 0.86582620 0.76880936 0.753154638 0.819278369 5.449487e-01 0.566878981
## 380 0.68779110 0.60933743 0.639205532 0.694970298 7.461741e-01 0.317164179
## 418 0.51460422 0.31497603 0.361668674 0.377051896 5.462105e-02 0.065822785
## 489 0.75345102 0.85336569 0.721566292 0.799514182 3.943986e-01 0.478438332
## 235 0.67474665 0.63792168 0.658248577 0.718144817 5.893889e-01 0.544968833
## 457 0.56157749 0.42420434 0.497808048 0.546566335 8.150833e-01 0.211065574
## 244 0.27544813 0.51101594 0.384024650 0.421236486 5.860628e-01 0.470366886
## 25 0.47083095 0.75298254 0.797330941 0.778738355 7.449603e-01 0.000000000
## 281 0.82992022 0.80248006 0.727863406 0.789156699 3.807818e-01 0.135135135
## 119 0.56138448 0.53779302 0.424659465 0.463898008 4.657477e-01 0.733866011
## 400 0.36940356 0.31604233 0.233536535 0.225008375 1.367442e-03 0.107355865
## 481 0.48521570 0.50782023 0.532899042 0.569846610 9.432425e-01 0.181223727
## 180 0.00000000 0.31302699 0.230215165 0.256294572 7.186983e-03 0.032544379
## 482 0.61855325 0.77475759 0.812435047 0.789787084 5.256827e-01 0.939192642
## 319 0.36369542 0.16754034 0.233213369 0.258078593 1.045649e-03 0.055715658
## 38 0.45244200 0.15567000 0.137726704 0.137315572 5.922550e-07 0.030848329
## 388 0.66729047 0.41911326 0.502631010 0.552580887 7.284879e-01 0.162361624
## 309 0.00000000 0.12801738 0.012220462 0.000000000 0.000000e+00 0.013996890
## 78 0.41499126 0.29756943 0.179246781 0.168219278 6.042600e-05 0.058908740
## 7 0.90679385 0.85949672 0.724324287 0.788304535 4.823165e-01 0.695343681
## 12 0.71367452 0.80416651 0.764560967 0.831771351 5.532540e-01 0.702529960
## 211 0.68245662 0.56231470 0.649180359 0.703897359 8.982649e-01 0.000000000
## 167 0.60702577 0.36705476 0.360523807 0.364660031 1.093892e-01 0.141401274
## 377 0.44182890 0.37300361 0.366547947 0.397904096 3.821764e-01 0.185282523
## 332 0.30665706 0.47443632 0.400134835 0.442626820 8.863090e-01 0.205504587
## 144 0.84446090 0.93538368 0.771659399 0.820973652 4.572725e-01 0.914759982
## 260 0.76586277 0.68494372 0.469791809 0.513565500 3.814475e-01 0.359237980
## 453 0.71284991 0.65720678 0.695057534 0.766302340 6.671763e-01 0.605902778
## 491 0.78132489 0.30290344 0.453300191 0.489885075 1.072435e-01 0.137614679
## 52 0.58679558 0.16152574 0.291394031 0.323415773 1.285552e-02 0.049147840
## 206 0.36497144 0.43730719 0.243411412 0.219150486 3.149799e-03 0.076712329
## 160 0.54269489 0.17972708 0.247481271 0.275516631 6.765970e-04 0.047454276
## 277 0.67649551 0.38709132 0.472523020 0.505842630 3.715399e-01 0.190239044
## 88 0.51784796 0.64848130 0.620918956 0.672612758 4.633908e-01 0.764436297
## 1 0.37655281 0.41223222 0.484892150 0.539822067 3.160436e-01 0.122020972
## 426 0.61267558 0.11591501 0.142512544 0.156645720 6.012580e-09 0.034985423
## 353 0.65329570 0.54084863 0.533607596 0.534206616 5.067990e-01 0.275586620
## 157 0.66799362 0.52269422 0.624319726 0.690391218 7.288328e-01 0.349610757
## 368 0.59643221 0.76898584 0.654882243 0.727931351 5.763301e-01 0.756402621
## 365 0.83283866 0.74548987 0.767218976 0.847942984 5.936238e-01 0.557819529
## 57 0.62908014 0.81689147 0.796670385 0.802189608 4.678976e-01 0.964705882
## 493 0.05430657 0.54165839 0.324429357 0.111504584 3.699861e-02 0.686987104
## 259 0.61373820 0.59158981 0.608168515 0.589875097 6.095827e-01 0.370289459
## 265 0.76925930 0.73130096 0.717441742 0.793444119 5.128803e-01 0.000000000
## 307 0.69281486 0.59019947 0.476211451 0.498987304 7.448286e-01 0.268992684
## 170 0.80313561 0.15910482 0.238212596 0.257744014 5.122530e-04 0.045540797
## 121 0.51565225 0.29964761 0.278498850 0.272111036 5.237376e-03 0.097035040
## 276 0.70981561 0.55302577 0.500936345 0.531797050 6.663329e-01 0.000000000
## 394 0.55334171 0.50125847 0.448347255 0.493285324 8.896935e-01 0.220286248
## 32 0.41909755 0.64746529 0.536705636 0.594559023 4.190981e-01 0.000000000

```

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## 2 0.49781839 0.61280119 0.406620208 0.452683265 7.302820e-01 0.345978756
## 219 0.17835533 0.25601814 0.117917430 0.078134277 3.059530e-10 0.077354260
## 327 0.65990753 0.26429831 0.294155112 0.308981168 8.669442e-03 0.079879427
## 257 0.95065545 0.90713747 0.730109188 0.800241286 4.059782e-01 0.779946057
## 227 0.41989564 0.49644222 0.289688509 0.268924352 2.207883e-02 0.096705632
## 195 0.63448493 0.36328504 0.400939927 0.426296537 2.689637e-01 0.111960677
## 59 0.21667414 0.46377735 0.304404256 0.338888008 1.051163e-01 0.091370558
## 497 0.32840938 0.16651434 0.107675090 0.108043074 1.361210e-09 0.028895769
## 311 0.70069403 0.55350334 0.662344908 0.716575384 9.820398e-01 0.317073171
## 363 0.51219337 0.48670960 0.428899857 0.452702454 5.181892e-02 0.316860465
## 46 0.69282455 0.17361729 0.211000637 0.217621019 7.785630e-05 0.045016077
## 490 0.61018821 0.62638633 0.640750808 0.713336824 9.722083e-01 0.446002805
## 286 0.35185102 0.52298356 0.788986250 0.706120594 4.296455e-01 0.932561026
## 256 0.79731043 0.84241518 0.610697355 0.663666644 4.066722e-01 0.768081618
## 41 0.56680684 0.17547287 0.204951265 0.216083561 8.014380e-05 0.035523979
## 462 0.36957875 0.55765034 0.467943802 0.437715225 5.285490e-01 0.391376451
## 110 0.84141027 0.91941837 0.810382741 0.868529451 4.635715e-01 0.000000000
## 249 0.16430526 0.50449773 0.189937239 0.120790779 3.857280e-05 0.160295931
## 185 0.72653380 0.53846185 0.648925442 0.716042241 8.158324e-01 0.301749271
## 150 0.69127893 0.75937271 0.699073450 0.777116608 4.599622e-01 0.787602552
## 331 0.44713091 0.65896978 0.467711204 0.418003229 5.093585e-01 0.337308348
## 271 0.69171580 0.27230466 0.317070676 0.334906754 8.283750e-03 0.000000000
## 268 0.33449310 0.44497418 0.468985486 0.522113453 3.937078e-01 0.098101266
## 463 0.34828056 0.51423101 0.436379849 0.484282123 7.874057e-01 0.172554348
## 495 0.65288657 0.38547629 0.445063043 0.472092579 3.050135e-01 0.150366359
## 362 0.58928053 0.52650220 0.630951637 0.697570550 9.938578e-01 0.208357858
## 460 0.57007340 0.78206744 0.507695374 0.538811697 4.298992e-01 0.658274073
## 330 0.43714018 0.40091698 0.320707253 0.301514656 1.499558e-02 0.133472367
## 231 0.00000000 0.54746527 0.335887182 0.373937407 2.339702e-01 0.092265943
## 19 0.45809992 0.58451130 0.499221761 0.460045720 2.434418e-01 0.307768431
## 142 0.70772042 0.36563757 0.437416269 0.457526241 2.006766e-01 0.091944327
## 472 0.35767594 0.55680947 0.596009781 0.530428471 4.025714e-01 0.496453901
## 279 0.84981556 0.77901923 0.782343627 0.833391681 6.769742e-01 0.570347003
## 295 0.57599148 0.46553094 0.451032717 0.424622076 6.561284e-02 0.247276172
## 148 0.43315686 0.16628307 0.202733357 0.218621957 2.111460e-04 0.000000000
## 99 0.61671534 0.49822770 0.479051246 0.488590647 3.043039e-01 0.186166774
## 373 0.35267317 0.44473828 0.525723021 0.583013270 6.963080e-01 0.182844244
## 312 0.51563821 0.46222171 0.388175714 0.412671624 4.630665e-01 0.200589971
## 393 0.44902443 0.19503120 0.202463296 0.204412210 8.055740e-05 0.048241206
## 173 0.71271523 0.77043602 0.789116718 0.876625701 5.380649e-01 0.603108808
## 162 0.59692756 0.66826251 0.616937034 0.630633417 9.795983e-01 0.356000000
## 374 0.81151797 0.42860603 0.538000264 0.576999555 2.946638e-01 0.136210384
## 76 0.91915645 0.83488133 0.752314298 0.824781816 5.123778e-01 0.721596725
## 500 0.37133904 0.42500730 0.465413309 0.516779792 7.411720e-01 0.309878683
## 216 0.65350649 0.84637105 0.666101451 0.722018851 4.226506e-01 0.000000000
## 411 0.71414001 0.79571448 0.549514584 0.571327426 3.797224e-01 0.181968058
## 230 0.70576861 0.82779953 0.671910678 0.672049478 4.247123e-01 0.727272727
## 16 0.35634762 0.60248601 0.351354229 0.329168226 1.160793e-01 0.000000000
## 222 0.00000000 0.00000000 0.000000000 0.000000000 3.678794e-01 0.000000000
## 8 0.33693920 0.13998357 0.223522684 0.246288418 2.157564e-03 0.049275362
## 340 0.80952720 0.64731707 0.725606927 0.794340111 8.622705e-01 0.000000000
## 22 0.57635852 0.46935977 0.501990009 0.505014113 1.656911e-01 0.180083482
## 128 0.78241472 0.88676650 0.726910613 0.748272936 4.281448e-01 0.881838519
## 469 0.83306781 0.87762647 0.755077978 0.833594963 4.529443e-01 0.957089552

```



```

## 109 0.73505118 0.36307453 0.473016471 0.519538282 2.210900e-01 0.150884495
## 50 0.32031245 0.40573800 0.284334318 0.246411729 3.946827e-03 0.129263914
## 69 0.53238488 0.71609774 0.620150501 0.687809925 5.340189e-01 0.769610871
## 403 0.30150107 0.59792161 0.437624209 0.452755014 9.953510e-01 0.317714286
## 442 0.75160921 0.37903327 0.510497520 0.544988343 2.254560e-01 0.143988481
## 143 0.62106710 0.82667459 0.812807454 0.809708175 4.812507e-01 0.962330177
## 168 0.23042996 0.17973222 0.144395178 0.154371134 4.008370e-06 0.035248042
## 360 0.18252814 0.41228257 0.394297659 0.438964783 2.704835e-01 0.150388937
## 20 0.64465344 0.73109221 0.515323400 0.560763365 4.659965e-01 0.812500000
## 440 0.80225715 0.55261501 0.620554683 0.660932924 6.048681e-01 0.252922423
## 451 0.62959029 0.75244332 0.749264963 0.825364874 5.393605e-01 0.570854848
## 196 0.51789195 0.33318660 0.267658847 0.258563099 2.612707e-03 0.108374384
## 27 0.55271183 0.48295242 0.465079938 0.457193122 1.476888e-01 0.239247312
## 134 0.54457714 0.33779701 0.411026128 0.452451622 1.177697e-01 0.098765432
## 494 0.24732187 0.49852881 0.375006018 0.410977087 4.735380e-01 0.721663313
## 205 0.77146501 0.73765890 0.737467441 0.810909330 5.512288e-01 0.490595922
## 294 0.09046320 0.32623942 0.313415312 0.348919861 1.202424e-01 0.060350877
## 123 0.88715882 0.88285114 0.720043073 0.776607037 4.111813e-01 0.527595884
## 253 0.00000000 0.00000000 0.000000000 0.000000000 3.678794e-01 0.000000000
## 466 0.28770686 0.22062545 0.194894217 0.206098221 5.606730e-04 0.045701850
## 139 0.65749151 0.82623470 0.743873201 0.825927640 4.218915e-01 0.860653088
## 95 0.49299580 0.33113615 0.361304073 0.395861507 2.052073e-01 0.000000000
## 369 0.55600823 0.50793794 0.542919515 0.539296434 3.193223e-01 0.257006152
## 127 0.74029362 0.40104021 0.363668251 0.367795900 9.850276e-02 0.155588380
## 484 0.56060741 0.34103609 0.294928208 0.298811418 1.736026e-02 0.110285006
## 450 0.62890951 0.19036676 0.218717390 0.240727569 2.817930e-04 0.000000000
## 72 0.79824582 0.86376869 0.766311372 0.809486917 4.762510e-01 0.906458797
## 204 0.18118815 0.23915060 0.094410098 0.069470095 1.166000e-12 0.055411255
## 301 0.69745397 0.72516229 0.724501208 0.789403582 7.460768e-01 0.578404775
## 465 0.79532515 0.88260925 0.818724716 0.850997591 5.500189e-01 0.757806550
## 339 0.67781036 0.58328008 0.637153706 0.677162470 7.553772e-01 0.298550725
## 328 0.08663991 0.47364248 0.419761784 0.467313554 8.801463e-01 0.243386243
## 299 0.15554179 0.41901310 0.399337649 0.444575717 8.822396e-01 0.269045985
## 349 0.27367627 0.44082233 0.313188378 0.348667220 1.088361e-02 0.163265306
## 399 0.67231868 0.60278260 0.645833373 0.689351284 9.972414e-01 0.352459016
## 92 0.00000000 0.31208957 0.033053527 0.000000000 0.000000e+00 0.045045045
## 467 0.46561457 0.33106677 0.273604177 0.267589270 5.705807e-03 0.077889447
## 352 0.10586876 0.52558582 0.419867740 0.467431513 5.032024e-01 0.173322005
## 232 0.85621851 0.77940515 0.793739105 0.848314769 8.388900e-01 0.000000000
## 13 0.37065099 0.18222890 0.167047104 0.167568170 1.785440e-05 0.044035228
## 104 0.61582489 0.32667532 0.260977976 0.270065948 8.328994e-03 0.067340067
## 80 0.40092854 0.57588114 0.545040827 0.512757296 3.766035e-01 0.000000000
## 131 0.64269441 0.43764179 0.536090759 0.582133439 6.402270e-01 0.221565059
## 376 0.73398954 0.82034792 0.620690972 0.672543044 4.210679e-01 0.857936784
## 166 0.67390013 0.68551000 0.627918409 0.637155296 8.353433e-01 0.000000000
## 478 0.68809475 0.85411151 0.787732353 0.873359180 4.734036e-01 0.828108108
## 264 0.78376060 0.86070349 0.629538400 0.636878448 4.220979e-01 0.755007704
## 254 0.69178224 0.79145922 0.775928017 0.793467005 6.530383e-01 0.692902319
## 129 0.75275112 0.46265239 0.514996796 0.562804385 5.663428e-01 0.204651163
## 292 0.84033362 0.82828143 0.761054321 0.819311864 5.370895e-01 0.512922465
## 430 0.55601924 0.64501269 0.681405543 0.758597039 6.848775e-01 0.369426752
## 130 0.64645447 0.46130914 0.352952807 0.375210468 1.185773e-01 0.121827411
## 183 0.84527108 0.14968188 0.266258539 0.292633300 1.800896e-03 0.058506543
## 325 0.82683424 0.88294131 0.756305854 0.818204944 4.729227e-01 0.609418283

```

| | | | | | | | |
|----|-----|-------------|-------------|--------------|-------------|--------------|--------------|
| ## | 280 | 0.58497826 | 0.64107899 | 0.402097967 | 0.432515539 | 5.760318e-01 | 0.588675714 |
| ## | 420 | 0.38133763 | 0.62776595 | 0.566614211 | 0.501953371 | 4.208126e-01 | 0.407725322 |
| ## | 18 | 0.61423472 | 0.75363136 | 0.724933648 | 0.807056127 | 6.289489e-01 | 0.426666667 |
| ## | 74 | 0.62367304 | 0.12901171 | 0.092688426 | 0.094937144 | 1.224000e-12 | 0.031879195 |
| ## | 153 | 0.89406989 | 0.91851525 | 0.764110096 | 0.818063625 | 4.560526e-01 | 0.000000000 |
| ## | 447 | 0.61370773 | 0.64880753 | 0.722970740 | 0.797127473 | 7.543408e-01 | 0.517241379 |
| ## | 172 | 0.60072649 | 0.79479596 | 0.658076845 | 0.732625601 | 4.453817e-01 | 0.711478800 |
| ## | 79 | 0.60960228 | 0.79812810 | 0.602129246 | 0.632034377 | 4.380736e-01 | 0.862978723 |
| ## | 344 | 0.33168480 | 0.58910281 | 0.553938066 | 0.615283640 | 3.924916e-01 | 0.510480233 |
| ## | 354 | 0.45959450 | 0.24660366 | 0.269101608 | 0.299586179 | 3.835191e-03 | 0.040462428 |
| ## | 225 | 0.59122603 | 0.63516290 | 0.542210596 | 0.599059116 | 5.691141e-01 | 0.562204724 |
| ## | 239 | 0.66392671 | 0.72492203 | 0.575238732 | 0.623583441 | 4.366133e-01 | 0.776632302 |
| ## | 220 | 0.36578498 | 0.43084634 | 0.417105139 | 0.464355957 | 1.510075e-01 | 0.117834395 |
| ## | 94 | 0.47448928 | 0.50971442 | 0.526162119 | 0.498804566 | 3.014934e-01 | 0.353526971 |
| ## | 288 | 0.76192544 | 0.62875346 | 0.685512687 | 0.754199036 | 6.494414e-01 | 0.492264416 |
| ## | 62 | 0.17456256 | 0.44541676 | 0.590517392 | 0.393390510 | 4.573347e-01 | 0.394961763 |
| ## | 251 | 0.80660670 | 0.40515524 | 0.487490909 | 0.527778706 | 6.433266e-01 | 0.211526282 |
| ## | 389 | 0.16182025 | 0.14503524 | 0.160022337 | 0.175045768 | 3.614860e-05 | 0.045728039 |
| ## | 382 | 0.37926297 | 0.64922635 | 0.830512574 | 0.781616610 | 8.531711e-01 | 0.942547877 |
| ## | 246 | 0.50147246 | 0.23522361 | 0.266594599 | 0.289917503 | 2.402733e-02 | 0.057933420 |
| ## | 425 | 0.42398404 | 0.41772726 | 0.331530669 | 0.293780280 | 1.099759e-02 | 0.194988610 |
| ## | 174 | 0.39861034 | 0.44363329 | 0.529176262 | 0.589122806 | 4.013010e-01 | 0.153374233 |
| ## | 296 | 0.56576950 | 0.31808454 | 0.465598618 | 0.518342911 | 2.236867e-01 | 0.128093159 |
| ## | 461 | 0.48260260 | 0.56577522 | 0.540397086 | 0.589781771 | 6.106735e-01 | 0.495964784 |
| ## | 367 | 0.60771746 | 0.74698296 | 0.782119302 | 0.757546529 | 4.589273e-01 | 0.803043111 |
| ## | 48 | 0.49545782 | 0.73650032 | 0.724412526 | 0.805077479 | 4.484566e-01 | 0.870198675 |
| ## | 408 | 0.43548361 | 0.73531408 | 0.433415852 | 0.407910446 | 5.085071e-01 | 0.889587921 |
| ## | 218 | 0.57300728 | 0.60335602 | 0.363866953 | 0.369720319 | 3.871847e-01 | 0.599308803 |
| ## | | D2R_WRKEMP | D2A_WRKEMP | D2C_WREMLX | D3A | D3AAO | D3AMM |
| ## | 429 | 0.998593530 | 0.99719101 | 9.971950e-01 | 3.298868 | 0.152830778 | 1.380025953 |
| ## | 297 | 0.606498195 | 2.29761905 | 2.731815e-01 | 15.109088 | 0.000000000 | 1.447600979 |
| ## | 221 | 0.739608218 | 0.58680819 | 6.615354e-01 | 10.781291 | 0.672583467 | 5.997359986 |
| ## | 83 | 0.376306620 | 4.31481482 | 3.634078e-02 | 27.819142 | 0.699204449 | 6.816662081 |
| ## | 431 | 0.068965517 | 28.00000000 | 1.880000e-12 | 5.249520 | 0.621589644 | 2.988982795 |
| ## | 284 | 0.741379310 | 1.69767442 | 4.977415e-01 | 6.697058 | 0.000000000 | 1.169509308 |
| ## | 159 | 0.567536890 | 2.52400000 | 2.178388e-01 | 27.063912 | 0.000000000 | 17.898187120 |
| ## | 263 | 0.478632479 | 3.17857143 | 1.132031e-01 | 2.531108 | 0.079094188 | 0.070388339 |
| ## | 435 | 0.422465560 | 0.26780116 | 4.808505e-01 | 7.976370 | 0.000000000 | 1.569110573 |
| ## | 302 | 0.299363057 | 5.68085106 | 9.271120e-03 | 2.434985 | 0.227978882 | 2.206931220 |
| ## | 485 | 0.256172840 | 6.80722892 | 3.005748e-03 | 18.959230 | 0.000000000 | 2.824988047 |
| ## | 250 | 0.237837838 | 7.40909091 | 1.646521e-03 | 2.825868 | 0.175007955 | 2.536010784 |
| ## | 410 | 0.142517815 | 13.03333333 | 5.942780e-06 | 33.260088 | 0.000000000 | 19.589654080 |
| ## | 445 | 0.239168111 | 7.36231884 | 1.725361e-03 | 21.423576 | 0.000000000 | 8.974409882 |
| ## | 63 | 0.508658009 | 2.93191489 | 1.448705e-01 | 12.925891 | 0.000000000 | 0.097475319 |
| ## | 247 | 0.540106952 | 2.70297030 | 1.821417e-01 | 15.370427 | 0.000000000 | 3.961398464 |
| ## | 415 | 0.295138889 | 5.77647059 | 8.425684e-03 | 18.458549 | 0.000000000 | 2.196606704 |
| ## | 194 | 0.279460051 | 0.16242578 | 4.327590e-01 | 30.950481 | 0.000000000 | 6.718854569 |
| ## | 390 | 0.637639090 | 2.13657056 | 3.209177e-01 | 3.810353 | 0.955858195 | 0.578560901 |
| ## | 191 | 0.692351275 | 0.52946274 | 6.246666e-01 | 12.884495 | 0.000000000 | 3.075782379 |
| ## | 477 | 0.694960212 | 1.87786260 | 4.156704e-01 | 12.738935 | 3.851788216 | 0.357651024 |
| ## | 468 | 0.931888545 | 1.14617940 | 8.640027e-01 | 29.978432 | 0.000000000 | 10.708165090 |
| ## | 70 | 0.056074766 | 34.66666667 | 2.000000e-15 | 16.245129 | 0.000000000 | 1.507119930 |
| ## | 229 | 0.140602582 | 13.22448980 | 4.908760e-06 | 19.149762 | 0.975119206 | 0.568237863 |
| ## | 97 | 0.551845343 | 0.38106796 | 5.385192e-01 | 13.937535 | 0.000000000 | 0.105832251 |

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|--------|-------------|--------------|--------------|-----------|--------------|--------------|
| ## 112 | 0.204603581 | 8.77500000 | 4.201070e-04 | 26.777058 | 0.000000000 | 14.427809640 |
| ## 458 | 0.160000000 | 11.50000000 | 2.753640e-05 | 2.293663 | 0.348004551 | 0.960057073 |
| ## 126 | 0.410596026 | 3.87096774 | 5.664408e-02 | 20.021974 | 0.000000000 | 0.309904025 |
| ## 434 | 0.318493151 | 5.27956989 | 1.384862e-02 | 21.804624 | 0.000000000 | 0.000000000 |
| ## 372 | 0.413354531 | 3.83846154 | 5.851562e-02 | 6.435168 | 1.462668435 | 0.975380458 |
| ## 171 | 1.000000000 | 0.00000000 | 0.000000e+00 | 1.945016 | 0.000000000 | 0.214661876 |
| ## 455 | 0.374749499 | 0.23057953 | 4.632815e-01 | 4.833321 | 1.552088123 | 0.966334123 |
| ## 432 | 0.941810345 | 0.89002037 | 8.958524e-01 | 19.842151 | 0.000000000 | 2.968146943 |
| ## 437 | 0.131782946 | 14.17647059 | 1.894660e-06 | 22.965026 | 0.000000000 | 2.284110090 |
| ## 215 | 0.808705613 | 1.47308782 | 6.230754e-01 | 15.314802 | 2.735176838 | 1.633430057 |
| ## 441 | 0.501010101 | 2.99193548 | 1.364311e-01 | 21.799658 | 0.000000000 | 0.000000000 |
| ## 213 | 0.244140625 | 7.19200000 | 2.045731e-03 | 16.452775 | 1.520361192 | 0.201608101 |
| ## 118 | 0.750796686 | 1.66383701 | 5.148720e-01 | 18.863089 | 0.803036330 | 0.736649291 |
| ## 456 | 0.133333333 | 14.00000000 | 2.260330e-06 | 16.447321 | 10.402991470 | 5.413346721 |
| ## 58 | 0.375920084 | 0.23146649 | 4.636926e-01 | 4.678711 | 2.025298726 | 0.589587824 |
| ## 379 | 0.534412955 | 2.74242424 | 1.750954e-01 | 22.011113 | 0.000000000 | 0.000000000 |
| ## 407 | 0.809986130 | 1.46917808 | 6.255162e-01 | 13.654644 | 0.000000000 | 2.027958676 |
| ## 422 | 0.064516129 | 0.03333333 | 3.803488e-01 | 18.762767 | 0.000000000 | 0.112874619 |
| ## 351 | 0.043254377 | 45.23809524 | 0.000000e+00 | 20.840810 | 0.000000000 | 1.650395223 |
| ## 452 | 0.360535932 | 4.54729730 | 2.880238e-02 | 15.996578 | 0.426619354 | 2.042844867 |
| ## 366 | 0.573737374 | 2.48591549 | 2.262951e-01 | 13.795573 | 0.000000000 | 0.704735429 |
| ## 397 | 0.788951230 | 1.53501094 | 5.856629e-01 | 6.310373 | 0.054776775 | 0.631389200 |
| ## 201 | 0.868811881 | 1.30199430 | 7.393423e-01 | 2.874194 | 1.019512939 | 0.070593395 |
| ## 10 | 0.366666667 | 4.45454545 | 3.160167e-02 | 18.911074 | 0.000000000 | 2.838842858 |
| ## 480 | 0.241900648 | 7.26785714 | 1.896288e-03 | 1.686096 | 0.037494281 | 1.588713811 |
| ## 446 | 0.254980080 | 6.84375000 | 2.897955e-03 | 15.245876 | 0.000000000 | 1.204276694 |
| ## 82 | 0.263888889 | 6.57894737 | 3.776539e-03 | 11.261766 | 0.000000000 | 0.000000000 |
| ## 151 | 0.192267503 | 9.40217391 | 2.243790e-04 | 15.489026 | 2.390971670 | 4.049710340 |
| ## 236 | 0.508287293 | 2.93478261 | 1.444557e-01 | 3.691671 | 0.516536759 | 0.265315273 |
| ## 237 | 0.824343015 | 0.70117647 | 7.416903e-01 | 37.669808 | 0.000000000 | 13.438002120 |
| ## 479 | 0.000000000 | 0.98520710 | 9.853160e-01 | 2.239022 | 0.396545514 | 1.367057313 |
| ## 383 | 0.225165563 | 7.88235294 | 1.025728e-03 | 2.445402 | 0.326841399 | 1.365810134 |
| ## 75 | 0.934767989 | 0.87752525 | 8.847282e-01 | 14.598688 | 0.000000000 | 3.771647579 |
| ## 350 | 0.919334187 | 1.17548747 | 8.390479e-01 | 1.307476 | 0.000000000 | 0.000000000 |
| ## 310 | 0.998171846 | 0.99635036 | 9.963570e-01 | 26.548468 | 0.000000000 | 1.120125439 |
| ## 475 | 0.895104895 | 0.81012658 | 8.270638e-01 | 23.022636 | 0.000000000 | 1.842158829 |
| ## 101 | 0.955128205 | 0.91411043 | 9.176956e-01 | 11.707554 | 0.588984017 | 1.998602252 |
| ## 65 | 0.000000000 | 0.30679478 | 4.999710e-01 | 3.928488 | 0.000000000 | 2.169106667 |
| ## 291 | 0.693625771 | 0.53095488 | 6.255994e-01 | 13.064702 | 1.147199934 | 2.019616465 |
| ## 199 | 0.140280561 | 13.25714286 | 4.751060e-06 | 3.132169 | 0.682266606 | 0.000000000 |
| ## 436 | 0.330806340 | 0.19818332 | 4.485134e-01 | 21.198213 | 0.000000000 | 3.627357814 |
| ## 387 | 0.917164816 | 1.18063315 | 8.347415e-01 | 27.378013 | 10.829509750 | 0.946103596 |
| ## 100 | 0.564895763 | 2.54047619 | 2.142790e-01 | 13.093117 | 0.000000000 | 2.245782480 |
| ## 334 | 0.320000000 | 5.25000000 | 1.426423e-02 | 15.315775 | 0.000000000 | 14.523224700 |
| ## 439 | 0.226384365 | 7.83453237 | 1.075970e-03 | 28.766368 | 0.314272569 | 3.782650481 |
| ## 87 | 0.839793282 | 0.72383073 | 7.586845e-01 | 21.405415 | 0.000000000 | 4.260677623 |
| ## 333 | 0.578993822 | 2.45426829 | 2.335712e-01 | 19.566634 | 2.659897019 | 2.680284872 |
| ## 184 | 0.972275951 | 0.94604768 | 9.474773e-01 | 16.064119 | 1.776388243 | 1.950268765 |
| ## 186 | 0.736248237 | 1.71647510 | 4.884710e-01 | 24.178595 | 0.000000000 | 3.823423517 |
| ## 49 | 0.000000000 | 7.63888889 | 1.308480e-03 | 2.076261 | 0.318814332 | 1.655324209 |
| ## 357 | 0.045751634 | 42.71428571 | 0.000000e+00 | 35.700201 | 0.000000000 | 4.548228118 |
| ## 224 | 0.005037783 | 396.00000000 | 0.000000e+00 | 18.466665 | 0.000000000 | 0.000000000 |
| ## 486 | 0.920676203 | 1.17231638 | 8.417128e-01 | 3.272918 | 0.182815956 | 2.177669219 |
| ## 164 | 0.475833333 | 0.31219245 | 5.026770e-01 | 7.378162 | 0.000000000 | 0.700274816 |

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|--------|-------------|-------------|--------------|-----------|-------------|-------------|
| ## 226 | 0.388308977 | 4.15053763 | 4.282909e-02 | 13.486129 | 0.000000000 | 1.038221642 |
| ## 404 | 0.346666667 | 4.76923077 | 2.306980e-02 | 20.675191 | 0.000000000 | 2.182254208 |
| ## 272 | 0.330097087 | 5.05882353 | 1.726932e-02 | 21.298756 | 0.000000000 | 0.000000000 |
| ## 238 | 0.412313433 | 3.85067873 | 5.780507e-02 | 2.947915 | 0.677281730 | 1.761537826 |
| ## 140 | 0.000000000 | 0.25803403 | 4.761768e-01 | 2.653752 | 1.066971333 | 0.806059800 |
| ## 31 | 0.715669896 | 0.55723205 | 6.422562e-01 | 9.745590 | 0.638577994 | 3.322647396 |
| ## 313 | 0.301369863 | 5.63636364 | 9.692880e-03 | 2.403710 | 0.591486464 | 1.361124387 |
| ## 359 | 0.717391304 | 1.78787879 | 4.548085e-01 | 5.501879 | 1.319108518 | 2.280252780 |
| ## 181 | 0.267734554 | 6.47008547 | 4.210872e-03 | 1.628202 | 0.333228692 | 1.198401030 |
| ## 90 | 0.626603646 | 2.19181034 | 3.036710e-01 | 28.193435 | 0.000000000 | 0.000000000 |
| ## 444 | 0.670634921 | 1.98224852 | 3.744682e-01 | 25.084918 | 0.000000000 | 2.732553704 |
| ## 85 | 0.433530106 | 0.27675610 | 4.851758e-01 | 5.938010 | 0.000000000 | 1.351346878 |
| ## 187 | 0.200757576 | 8.96226415 | 3.483630e-04 | 11.409480 | 2.894574991 | 0.512790923 |
| ## 30 | 0.499139415 | 0.33256881 | 5.130247e-01 | 9.285098 | 2.371553853 | 0.470974480 |
| ## 304 | 0.577680525 | 2.46212121 | 2.317442e-01 | 8.047892 | 1.897520153 | 2.196664872 |
| ## 202 | 0.060728745 | 31.93333333 | 3.700000e-14 | 8.790569 | 1.178513212 | 2.042061415 |
| ## 37 | 0.090810811 | 21.02380952 | 2.012660e-09 | 2.198331 | 0.379986405 | 1.329134827 |
| ## 287 | 0.787878788 | 1.53846154 | 5.836455e-01 | 31.929916 | 0.000000000 | 7.568180361 |
| ## 471 | 0.640926641 | 2.12048193 | 3.261226e-01 | 13.608476 | 2.426564077 | 2.135970515 |
| ## 314 | 0.683673469 | 1.92537313 | 3.963835e-01 | 14.232122 | 0.000000000 | 2.653394495 |
| ## 36 | 0.148783977 | 12.44230769 | 1.073170e-05 | 22.317932 | 0.000000000 | 4.302116067 |
| ## 5 | 0.000000000 | 6.85714286 | 2.859402e-03 | 1.719032 | 0.362196488 | 1.200611222 |
| ## 108 | 0.389610390 | 4.13333333 | 4.357231e-02 | 12.321203 | 1.983273583 | 2.790226859 |
| ## 47 | 0.213247173 | 8.37878788 | 6.243570e-04 | 4.851889 | 0.000000000 | 2.102629744 |
| ## 89 | 0.255639098 | 6.82352941 | 2.957150e-03 | 21.851888 | 0.000000000 | 0.378214809 |
| ## 454 | 0.000000000 | 6.60869565 | 3.665848e-03 | 2.905577 | 0.037470848 | 1.900345494 |
| ## 336 | 0.358407080 | 4.58024691 | 2.786882e-02 | 27.570808 | 0.000000000 | 0.887482071 |
| ## 252 | 0.363636364 | 4.50000000 | 3.019738e-02 | 3.404217 | 0.244421641 | 0.909347694 |
| ## 464 | 0.569892473 | 2.50943396 | 2.210351e-01 | 28.026747 | 0.018394014 | 1.484106908 |
| ## 212 | 0.000000000 | 0.90977444 | 9.137251e-01 | 4.411639 | 1.404514497 | 1.437922183 |
| ## 233 | 0.439166263 | 0.28136646 | 4.874178e-01 | 25.528548 | 0.000000000 | 4.537882561 |
| ## 428 | 0.828784119 | 1.41317365 | 6.615474e-01 | 33.372253 | 3.754897768 | 1.571756329 |
| ## 154 | 0.169421488 | 10.80487805 | 5.518180e-05 | 2.021205 | 0.580237161 | 1.205924486 |
| ## 40 | 0.393969352 | 0.24530625 | 4.701546e-01 | 25.539271 | 0.000000000 | 3.278940732 |
| ## 356 | 0.368852459 | 4.42222222 | 3.263982e-02 | 1.982716 | 0.348175454 | 1.061031556 |
| ## 473 | 0.903614458 | 0.82417582 | 8.387654e-01 | 19.242538 | 0.000000000 | 0.000000000 |
| ## 133 | 0.735587081 | 0.58176176 | 6.582054e-01 | 27.700890 | 6.726748895 | 2.278731856 |
| ## 152 | 0.300530348 | 5.65490196 | 9.514846e-03 | 21.572699 | 0.000000000 | 1.970614999 |
| ## 4 | 0.000000000 | 3.75000000 | 6.392786e-02 | 1.929932 | 0.359070100 | 1.379761584 |
| ## 56 | 0.199740597 | 9.01298701 | 3.311340e-04 | 8.956757 | 0.124990350 | 1.140662691 |
| ## 384 | 0.470910335 | 3.24709302 | 1.057061e-01 | 14.995593 | 0.000000000 | 2.289800479 |
| ## 145 | 0.000000000 | 45.45454545 | 0.000000e+00 | 1.978972 | 0.079280117 | 0.014586400 |
| ## 234 | 0.894099849 | 1.23688663 | 7.890807e-01 | 12.916966 | 1.073377832 | 1.197196046 |
| ## 361 | 0.089761571 | 21.28125000 | 1.555840e-09 | 27.936827 | 0.000000000 | 0.000000000 |
| ## 348 | 0.047713718 | 40.91666667 | 0.000000e+00 | 16.563751 | 0.000000000 | 3.039219101 |
| ## 197 | 0.573412698 | 2.48788927 | 2.258489e-01 | 9.341875 | 1.272857415 | 1.325133614 |
| ## 136 | 0.100000000 | 19.00000000 | 1.523000e-08 | 8.528024 | 0.000000000 | 1.603214456 |
| ## 192 | 0.957555178 | 1.08865248 | 9.151636e-01 | 25.636348 | 0.000000000 | 0.513045445 |
| ## 258 | 0.230320700 | 0.13014827 | 4.190137e-01 | 2.407740 | 0.852601690 | 1.267546148 |
| ## 61 | 0.081504702 | 23.53846154 | 1.628060e-10 | 18.793168 | 0.333066150 | 1.007909308 |
| ## 240 | 0.957792208 | 0.91900311 | 9.221966e-01 | 34.249751 | 5.348265611 | 7.342721730 |
| ## 293 | 0.115463918 | 16.32142857 | 2.218140e-07 | 19.550626 | 0.000000000 | 4.024336383 |
| ## 255 | 0.076388889 | 25.18181818 | 3.147500e-11 | 2.360845 | 0.702557554 | 1.504568830 |
| ## 245 | 0.274111675 | 6.29629630 | 5.010116e-03 | 9.189627 | 4.662654509 | 0.614550580 |

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|--------|-------------|--------------|--------------|-----------|--------------|--------------|
| ## 77 | 0.494300518 | 3.04612159 | 1.292352e-01 | 26.139032 | 1.633564287 | 0.114862549 |
| ## 156 | 0.645161290 | 0.47619048 | 5.922600e-01 | 9.579201 | 0.000000000 | 1.519482553 |
| ## 43 | 0.260631001 | 6.67368421 | 3.435186e-03 | 22.383924 | 0.000000000 | 3.009929384 |
| ## 474 | 0.215608466 | 8.27607362 | 6.918970e-04 | 3.991102 | 0.000000000 | 0.636739231 |
| ## 449 | 0.000000000 | 0.00000000 | 0.000000e+00 | 6.527431 | 0.000000000 | 1.520455376 |
| ## 214 | 0.041189931 | 47.55555556 | 0.000000e+00 | 22.688406 | 0.000000000 | 0.000000000 |
| ## 91 | 0.033613445 | 58.50000000 | 0.000000e+00 | 27.698940 | 0.000000000 | 1.366491802 |
| ## 285 | 0.148148148 | 12.50000000 | 1.013010e-05 | 3.817951 | 0.581442266 | 0.002543904 |
| ## 364 | 0.180076628 | 10.10638298 | 1.109550e-04 | 24.505643 | 0.000000000 | 4.794808363 |
| ## 178 | 0.000000000 | 5.80645161 | 8.176823e-03 | 1.794231 | 0.310803853 | 1.273706705 |
| ## 93 | 0.489361702 | 3.08695652 | 1.240641e-01 | 25.671881 | 0.000000000 | 7.312436003 |
| ## 84 | 0.179347826 | 10.15151515 | 1.060590e-04 | 36.093529 | 0.000000000 | 19.423793840 |
| ## 146 | 0.208625878 | 8.58653846 | 5.072340e-04 | 5.579980 | 0.000000000 | 0.191841589 |
| ## 64 | 0.040703053 | 48.13636364 | 0.000000e+00 | 18.130154 | 3.410842814 | 2.896099741 |
| ## 326 | 0.918144611 | 1.17830609 | 8.366863e-01 | 24.357335 | 0.000000000 | 2.722463372 |
| ## 273 | 0.054919908 | 35.41666667 | 1.000000e-15 | 3.267304 | 0.089853492 | 2.018750180 |
| ## 355 | 0.495479204 | 3.03649635 | 1.304851e-01 | 18.851777 | 0.000000000 | 6.004521435 |
| ## 228 | 0.581364829 | 2.44018059 | 2.368850e-01 | 7.040906 | 0.605000831 | 1.818439548 |
| ## 117 | 0.272559853 | 6.33783784 | 4.806251e-03 | 13.559202 | 2.700765376 | 0.717298003 |
| ## 29 | 0.544802867 | 0.37438424 | 5.349319e-01 | 1.724165 | 0.175551032 | 0.309933012 |
| ## 45 | 0.450704225 | 3.43750000 | 8.737903e-02 | 20.884312 | 0.000000000 | 0.000000000 |
| ## 176 | 0.260053619 | 6.69072165 | 3.377155e-03 | 9.309143 | 0.000000000 | 0.827125534 |
| ## 198 | 0.279720280 | 6.15000000 | 5.799405e-03 | 29.460619 | 0.000000000 | 2.956702887 |
| ## 488 | 0.459096459 | 3.35638298 | 9.476236e-02 | 2.877782 | 0.000000000 | 0.709258806 |
| ## 35 | 0.138632163 | 13.42666667 | 4.010210e-06 | 9.035619 | 1.320265702 | 1.056112857 |
| ## 54 | 0.579216354 | 2.45294118 | 2.338814e-01 | 9.200518 | 0.988904226 | 2.514643025 |
| ## 208 | 0.000000000 | 0.00000000 | 0.000000e+00 | 22.055725 | 0.000000000 | 4.661030283 |
| ## 402 | 0.495460441 | 3.03664922 | 1.304651e-01 | 2.169939 | 0.298206000 | 1.634862866 |
| ## 417 | 0.017391304 | 114.00000000 | 0.000000e+00 | 37.121863 | 0.000000000 | 0.315979375 |
| ## 345 | 0.698905754 | 1.86161616 | 4.224787e-01 | 16.136752 | 1.930151972 | 2.800644554 |
| ## 60 | 0.893338782 | 1.23879231 | 7.875784e-01 | 28.841774 | 3.612214695 | 1.411243410 |
| ## 105 | 0.557471264 | 2.58762887 | 2.044097e-01 | 8.551183 | 0.067008419 | 2.276522344 |
| ## 283 | 0.411192214 | 0.25880551 | 4.765443e-01 | 13.098217 | 0.000000000 | 0.000000000 |
| ## 210 | 0.280108254 | 6.14009662 | 5.857124e-03 | 6.826975 | 0.003813639 | 0.012836669 |
| ## 207 | 0.379137412 | 4.27513227 | 3.781187e-02 | 16.337430 | 0.000000000 | 8.401601905 |
| ## 487 | 0.971684054 | 1.05828221 | 9.433837e-01 | 27.431656 | 0.000000000 | 0.701746245 |
| ## 33 | 0.483934426 | 0.31920415 | 5.062140e-01 | 8.559313 | 0.765190050 | 1.167788210 |
| ## 267 | 0.451544196 | 3.42924528 | 8.810330e-02 | 27.517446 | 0.000000000 | 2.992625547 |
| ## 163 | 0.011734029 | 169.44444440 | 0.000000e+00 | 13.606461 | 0.000000000 | 2.419445586 |
| ## 81 | 0.858866104 | 1.32865169 | 7.198937e-01 | 24.052178 | 0.000000000 | 3.370209918 |
| ## 223 | 0.557734205 | 2.58593750 | 2.047557e-01 | 22.672727 | 0.000000000 | 0.004166637 |
| ## 386 | 0.653881279 | 2.05865922 | 3.469206e-01 | 2.723013 | 0.043789448 | 2.531217395 |
| ## 343 | 0.652406417 | 2.06557377 | 3.445301e-01 | 13.428229 | 0.000000000 | 1.652558229 |
| ## 137 | 0.747163695 | 0.59637775 | 6.678964e-01 | 32.399717 | 10.361630280 | 15.714961450 |
| ## 483 | 0.122727273 | 15.29629630 | 6.182970e-07 | 27.799969 | 0.000000000 | 6.706234597 |
| ## 71 | 0.661057692 | 2.02545455 | 3.586334e-01 | 3.950607 | 0.493320017 | 0.495214169 |
| ## 358 | 0.905730129 | 1.20816327 | 8.120744e-01 | 13.621826 | 0.000000000 | 0.000000000 |
| ## 323 | 0.030476190 | 64.62500000 | 0.000000e+00 | 22.690572 | 0.000000000 | 0.623062450 |
| ## 385 | 0.000000000 | 3.98823529 | 5.037626e-02 | 2.104386 | 0.262521155 | 0.868171323 |
| ## 261 | 0.089015152 | 21.46808511 | 1.290700e-09 | 11.640987 | 0.000000000 | 1.346191695 |
| ## 17 | 0.855958549 | 1.33656174 | 7.142218e-01 | 18.933404 | 0.000000000 | 5.089107947 |
| ## 275 | 0.473967684 | 3.21969697 | 1.086420e-01 | 24.325437 | 0.000000000 | 9.573779561 |
| ## 338 | 0.769921437 | 1.59766764 | 5.500932e-01 | 24.226327 | 4.132320752 | 3.096770961 |
| ## 315 | 0.785981308 | 1.54458977 | 5.800797e-01 | 5.415933 | 0.000605169 | 1.197266504 |

| | | | | | | |
|--------|-------------|--------------|--------------|-----------|--------------|--------------|
| ## 189 | 0.034825871 | 56.42857143 | 0.000000e+00 | 25.997230 | 0.000000000 | 3.778872886 |
| ## 243 | 0.792724196 | 1.52294557 | 5.927719e-01 | 20.269727 | 0.510844736 | 3.415483860 |
| ## 179 | 0.296296296 | 5.75000000 | 8.651695e-03 | 25.646385 | 0.000000000 | 0.004389821 |
| ## 107 | 0.080160321 | 23.95000000 | 1.078800e-10 | 24.387733 | 0.000000000 | 0.978960162 |
| ## 305 | 0.806523351 | 0.67577640 | 7.230885e-01 | 23.629801 | 0.000000000 | 2.976241981 |
| ## 248 | 0.716080402 | 1.79298246 | 4.524932e-01 | 3.946541 | 0.222748839 | 0.369131906 |
| ## 419 | 0.581459809 | 0.40990013 | 5.542719e-01 | 51.067578 | 19.915858250 | 8.920906440 |
| ## 395 | 0.180019782 | 10.10989011 | 1.105670e-04 | 33.114671 | 0.000000000 | 18.964938940 |
| ## 496 | 0.134751773 | 13.84210526 | 2.646940e-06 | 2.727950 | 0.000000000 | 2.527778450 |
| ## 86 | 0.874659401 | 0.77723971 | 8.003067e-01 | 22.163833 | 0.816772798 | 0.000000000 |
| ## 438 | 0.298617512 | 5.69753086 | 9.117762e-03 | 20.925838 | 0.000000000 | 0.000000000 |
| ## 282 | 0.412587413 | 3.84745763 | 5.799157e-02 | 2.188811 | 0.183952990 | 0.099001959 |
| ## 23 | 0.969335605 | 0.94049587 | 9.422316e-01 | 14.002827 | 0.000000000 | 3.683534661 |
| ## 321 | 0.576407507 | 2.46976744 | 2.299790e-01 | 28.538892 | 9.549153899 | 4.499352457 |
| ## 406 | 0.000000000 | 1.59036145 | 5.541270e-01 | 1.932050 | 0.160168491 | 1.433881717 |
| ## 51 | 0.384079602 | 4.20725389 | 4.046759e-02 | 30.162354 | 5.353155167 | 4.734345163 |
| ## 55 | 0.594444444 | 2.36448598 | 2.555120e-01 | 16.083212 | 2.278171912 | 0.533294004 |
| ## 106 | 0.086557377 | 22.10606061 | 6.819530e-10 | 3.165534 | 0.250494865 | 1.290114212 |
| ## 427 | 0.403141361 | 3.96103896 | 5.176511e-02 | 39.180830 | 10.285523130 | 4.066665448 |
| ## 290 | 0.492236025 | 3.06309148 | 1.270606e-01 | 21.852402 | 0.000000000 | 3.484660661 |
| ## 324 | 0.324214792 | 5.16875000 | 1.547159e-02 | 24.521640 | 0.000000000 | 16.875863080 |
| ## 15 | 0.242424242 | 7.25000000 | 1.930454e-03 | 31.113543 | 4.565978873 | 2.537644910 |
| ## 303 | 0.007220217 | 276.00000000 | 0.000000e+00 | 38.552076 | 0.000000000 | 22.977146190 |
| ## 169 | 0.000000000 | 1.79120879 | 4.532965e-01 | 24.331680 | 0.000000000 | 0.000000000 |
| ## 116 | 0.865546218 | 0.76296296 | 7.889621e-01 | 5.280578 | 0.024459653 | 2.667083568 |
| ## 102 | 0.000000000 | 3.31428571 | 9.883676e-02 | 2.572260 | 0.302791425 | 1.630157211 |
| ## 262 | 0.463116756 | 3.31856540 | 9.841467e-02 | 15.002584 | 3.623450855 | 2.346234320 |
| ## 448 | 0.843601896 | 1.37078652 | 6.901913e-01 | 5.280802 | 0.367021071 | 0.742907183 |
| ## 380 | 0.586206897 | 2.41176471 | 2.437128e-01 | 10.041630 | 2.118900323 | 1.077482073 |
| ## 418 | 0.121071013 | 15.51923077 | 4.947410e-07 | 20.234360 | 0.000000000 | 1.781931119 |
| ## 489 | 0.246984257 | 0.14089107 | 4.235393e-01 | 17.531751 | 2.016080129 | 1.821044858 |
| ## 235 | 0.810596026 | 1.46732026 | 6.266794e-01 | 14.207505 | 2.931558220 | 4.880561822 |
| ## 457 | 0.397683398 | 4.02912621 | 4.835787e-02 | 27.938281 | 0.000000000 | 0.000000000 |
| ## 244 | 0.615006150 | 2.25200000 | 2.859324e-01 | 15.403573 | 0.000000000 | 2.223790632 |
| ## 25 | 0.000000000 | 1.05651106 | 9.450560e-01 | 3.565856 | 0.000000000 | 3.074731854 |
| ## 281 | 0.072231687 | 0.03746907 | 3.819250e-01 | 26.433573 | 0.000000000 | 5.838201080 |
| ## 119 | 0.978688525 | 1.04355109 | 9.573836e-01 | 28.896681 | 0.000000000 | 11.674908050 |
| ## 400 | 0.260240964 | 6.68518518 | 3.395904e-03 | 1.676120 | 0.251922115 | 1.207525268 |
| ## 481 | 0.413205538 | 3.84020619 | 5.841362e-02 | 11.356447 | 0.000000000 | 1.227511166 |
| ## 180 | 0.080438757 | 23.86363636 | 1.176110e-10 | 7.495887 | 0.000000000 | 7.452563442 |
| ## 482 | 0.645792564 | 0.47687861 | 5.926677e-01 | 13.219371 | 0.000000000 | 4.588240639 |
| ## 319 | 0.163841808 | 11.20689655 | 3.691490e-05 | 24.760944 | 0.000000000 | 11.289108870 |
| ## 38 | 0.047577093 | 41.03703704 | 0.000000e+00 | 9.481496 | 1.230642902 | 2.541134224 |
| ## 388 | 0.502857143 | 2.97727273 | 1.384463e-01 | 13.924756 | 0.000000000 | 4.250354367 |
| ## 309 | 0.034285714 | 57.33333333 | 0.000000e+00 | 3.231587 | 0.000000000 | 3.189985260 |
| ## 78 | 0.108734403 | 17.39344262 | 7.593090e-08 | 4.116640 | 0.000000000 | 0.696322005 |
| ## 7 | 0.821938392 | 0.69770408 | 7.391193e-01 | 14.519301 | 3.044050582 | 0.816227769 |
| ## 12 | 0.813848921 | 0.68612585 | 7.306110e-01 | 6.480643 | 0.936905313 | 1.017831801 |
| ## 211 | 0.000000000 | 2.46400000 | 2.313092e-01 | 1.891442 | 0.452189682 | 1.350971151 |
| ## 167 | 0.408839779 | 3.89189189 | 5.547117e-02 | 3.570085 | 0.544103329 | 2.158856556 |
| ## 377 | 0.286876907 | 5.97163121 | 6.931832e-03 | 25.429504 | 7.344368019 | 0.000000000 |
| ## 332 | 0.365118174 | 4.47767857 | 3.087901e-02 | 11.967609 | 1.313651806 | 0.611280665 |
| ## 144 | 0.547583308 | 0.37701530 | 5.363412e-01 | 12.993967 | 1.972797038 | 2.396542109 |
| ## 260 | 0.173063973 | 0.09472908 | 4.044323e-01 | 22.485043 | 3.584684982 | 5.700079636 |

| | | | | | | |
|--------|-------------|-------------|--------------|-----------|--------------|--------------|
| ## 453 | 0.879093199 | 1.27507163 | 7.595177e-01 | 21.538230 | 0.000000000 | 10.155770830 |
| ## 491 | 0.228136882 | 7.76666667 | 1.151527e-03 | 25.326332 | 0.000000000 | 1.286737830 |
| ## 52 | 0.120271581 | 15.62903226 | 4.432940e-07 | 14.822819 | 2.625688331 | 1.466745823 |
| ## 206 | 0.181818182 | 10.00000000 | 1.234100e-04 | 30.272969 | 4.831670237 | 2.597201790 |
| ## 160 | 0.108229989 | 17.47916667 | 6.969300e-08 | 14.713576 | 0.000000000 | 0.355109072 |
| ## 277 | 0.326216909 | 5.13089005 | 1.606857e-02 | 4.889416 | 0.160130331 | 0.309502692 |
| ## 88 | 0.412623646 | 0.25994065 | 4.770856e-01 | 30.584138 | 0.000000000 | 5.775096191 |
| ## 1 | 0.283813747 | 6.04687500 | 6.429394e-03 | 40.890337 | 0.000000000 | 8.566233045 |
| ## 426 | 0.069767442 | 27.66666667 | 2.623000e-12 | 14.435259 | 0.000000000 | 0.493834134 |
| ## 353 | 0.578616352 | 2.45652174 | 2.330455e-01 | 7.279272 | 1.625274486 | 0.027328095 |
| ## 157 | 0.503567788 | 2.97165992 | 1.392256e-01 | 21.891553 | 0.000000000 | 4.419794900 |
| ## 368 | 0.798486282 | 0.66456693 | 7.150284e-01 | 15.534410 | 0.000000000 | 2.742570982 |
| ## 365 | 0.899701238 | 1.22296015 | 8.001467e-01 | 30.712952 | 0.000000000 | 0.000000000 |
| ## 57 | 0.553389044 | 0.38254172 | 5.393135e-01 | 17.423913 | 2.958225449 | 7.531376230 |
| ## 493 | 0.989864865 | 1.02047782 | 9.797304e-01 | 9.586435 | 0.002345131 | 2.733746933 |
| ## 259 | 0.725133690 | 1.75811209 | 4.685502e-01 | 2.897600 | 1.052457599 | 1.332144806 |
| ## 265 | 0.000000000 | 0.62797927 | 6.893400e-01 | 3.709561 | 0.985789081 | 0.716186760 |
| ## 307 | 0.610472542 | 2.27615063 | 2.791096e-01 | 6.816616 | 0.989170125 | 2.503376201 |
| ## 170 | 0.137772675 | 13.51666667 | 3.665060e-06 | 23.033510 | 0.000000000 | 1.616314505 |
| ## 121 | 0.217917676 | 8.17777778 | 7.633620e-04 | 10.804913 | 1.271929458 | 2.423667404 |
| ## 276 | 0.000000000 | 1.40804598 | 6.649483e-01 | 2.076601 | 0.702877959 | 1.246644306 |
| ## 394 | 0.373812038 | 4.35028249 | 3.507445e-02 | 18.721316 | 3.339589051 | 1.026341569 |
| ## 32 | 0.000000000 | 0.38053097 | 5.382301e-01 | 21.517716 | 0.000000000 | 3.634378256 |
| ## 2 | 0.645892351 | 2.09649123 | 3.340411e-01 | 34.674879 | 0.000000000 | 24.460879990 |
| ## 219 | 0.182298547 | 9.97101449 | 1.270390e-04 | 2.409682 | 0.191843279 | 0.248561995 |
| ## 327 | 0.165884194 | 11.05660377 | 4.290150e-05 | 1.010636 | 0.269284761 | 0.024630644 |
| ## 257 | 0.338734068 | 0.20390117 | 4.510853e-01 | 21.686196 | 0.581132369 | 7.912759876 |
| ## 227 | 0.259259259 | 6.71428571 | 3.298506e-03 | 33.629838 | 0.000000000 | 0.000000000 |
| ## 195 | 0.252152522 | 6.93170732 | 2.653947e-03 | 7.111549 | 0.000000000 | 0.519333941 |
| ## 59 | 0.118032787 | 15.94444444 | 3.233780e-07 | 10.506791 | 0.000000000 | 0.108887638 |
| ## 497 | 0.076923077 | 25.00000000 | 3.775100e-11 | 1.393823 | 0.496362530 | 0.762566831 |
| ## 311 | 0.587493431 | 2.40429338 | 2.455405e-01 | 4.782713 | 0.108314000 | 0.194291208 |
| ## 363 | 0.491729323 | 3.06727829 | 1.265297e-01 | 16.085873 | 3.341135088 | 4.540927093 |
| ## 46 | 0.146487294 | 12.65306122 | 8.692400e-06 | 2.860669 | 0.348770042 | 1.539558011 |
| ## 490 | 0.406649616 | 3.91823899 | 5.402875e-02 | 38.057786 | 0.000000000 | 10.525248110 |
| ## 286 | 0.563474388 | 0.39224806 | 5.445737e-01 | 14.894825 | 0.350167006 | 5.067671251 |
| ## 256 | 0.440857736 | 0.28275658 | 4.880959e-01 | 7.771709 | 2.171157861 | 1.199544398 |
| ## 41 | 0.078431373 | 24.50000000 | 6.224100e-11 | 6.812841 | 0.000000000 | 0.555125638 |
| ## 462 | 0.732161324 | 1.73163842 | 4.811201e-01 | 18.965567 | 0.744904414 | 0.384532586 |
| ## 110 | 0.000000000 | 0.33618234 | 5.148819e-01 | 22.227387 | 0.000000000 | 4.720835658 |
| ## 249 | 0.305882353 | 5.53846154 | 1.068984e-02 | 8.576549 | 0.000000000 | 0.716189900 |
| ## 185 | 0.558327714 | 2.58212560 | 2.055377e-01 | 13.950556 | 0.055729407 | 13.282919780 |
| ## 150 | 0.850299401 | 0.73958333 | 7.707304e-01 | 16.316296 | 0.000000000 | 0.591759745 |
| ## 331 | 0.678663239 | 1.94696970 | 3.879147e-01 | 8.868260 | 0.000000000 | 2.002229477 |
| ## 271 | 0.000000000 | 5.75000000 | 8.651695e-03 | 1.793602 | 0.022766961 | 1.249680952 |
| ## 268 | 0.211243612 | 8.46774193 | 5.712170e-04 | 32.469236 | 0.000000000 | 2.120338780 |
| ## 463 | 0.426174497 | 3.69291339 | 6.768346e-02 | 28.608916 | 0.000000000 | 1.025122904 |
| ## 495 | 0.324621733 | 5.16101695 | 1.559169e-02 | 5.732514 | 0.311269882 | 0.825502312 |
| ## 362 | 0.713709677 | 1.80225989 | 4.483147e-01 | 23.619285 | 0.000000000 | 17.460849870 |
| ## 460 | 0.432116788 | 0.27560521 | 4.846178e-01 | 27.268864 | 0.000000000 | 8.574446750 |
| ## 330 | 0.301886792 | 5.62500000 | 9.803655e-03 | 37.958846 | 16.648068500 | 1.609390320 |
| ## 231 | 0.197101449 | 9.14705882 | 2.895860e-04 | 20.093268 | 0.000000000 | 1.904359055 |
| ## 19 | 0.606237817 | 2.29903537 | 2.727948e-01 | 16.585989 | 1.557769556 | 2.292446030 |
| ## 142 | 0.336939722 | 4.93577982 | 1.953046e-02 | 27.490995 | 0.000000000 | 23.682628630 |

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|--------|-------------|-------------|--------------|-----------|--------------|--------------|
| ## 472 | 0.945033751 | 1.11632653 | 8.901845e-01 | 3.216775 | 0.259942930 | 2.656773016 |
| ## 279 | 0.945606695 | 1.11504425 | 8.913267e-01 | 28.029349 | 0.000000000 | 7.867896841 |
| ## 295 | 0.417934347 | 3.78544061 | 6.170190e-02 | 1.605665 | 0.304138961 | 1.023031149 |
| ## 148 | 0.000000000 | 17.36000000 | 7.851310e-08 | 1.968886 | 0.225672088 | 1.275184704 |
| ## 99 | 0.388663968 | 4.14583333 | 4.303105e-02 | 3.751670 | 1.051330644 | 2.166492337 |
| ## 373 | 0.409608091 | 3.88271605 | 5.598251e-02 | 16.882428 | 0.000000000 | 4.019008879 |
| ## 312 | 0.295652174 | 5.76470588 | 8.525395e-03 | 8.851514 | 3.307977416 | 1.178482388 |
| ## 393 | 0.093750000 | 20.33333333 | 4.014580e-09 | 2.622636 | 0.696714182 | 1.633278589 |
| ## 173 | 0.917981073 | 1.17869416 | 8.363617e-01 | 13.497371 | 0.000000000 | 2.297690308 |
| ## 162 | 0.693957115 | 1.88202247 | 4.139449e-01 | 20.251500 | 0.000000000 | 1.613368491 |
| ## 374 | 0.221491228 | 8.02970297 | 8.851950e-04 | 23.792989 | 3.367155235 | 0.057555678 |
| ## 76 | 0.979166667 | 1.04255319 | 9.583395e-01 | 30.796223 | 0.000000000 | 0.731608293 |
| ## 500 | 0.484552846 | 3.12751678 | 1.191328e-01 | 19.578319 | 3.926056503 | 0.775225101 |
| ## 216 | 0.000000000 | 0.35827138 | 5.263817e-01 | 3.811854 | 0.000000000 | 1.966707820 |
| ## 411 | 0.095114710 | 0.04993199 | 3.867147e-01 | 36.475945 | 14.771818510 | 3.226244164 |
| ## 230 | 0.480874317 | 0.31654676 | 5.048705e-01 | 20.255171 | 0.000000000 | 16.724962650 |
| ## 16 | 0.000000000 | 2.40517241 | 2.453248e-01 | 1.989773 | 0.192177773 | 1.359011327 |
| ## 222 | 0.000000000 | 0.00000000 | 0.000000e+00 | 29.737405 | 0.000000000 | 0.805753948 |
| ## 8 | 0.093023256 | 20.50000000 | 3.398270e-09 | 28.817891 | 0.000000000 | 1.979187023 |
| ## 340 | 0.000000000 | 0.03550296 | 3.811749e-01 | 1.953870 | 0.346498718 | 0.822011248 |
| ## 22 | 0.374225527 | 4.34437086 | 3.528241e-02 | 16.106565 | 0.000000000 | 0.159461012 |
| ## 128 | 0.734753429 | 0.58071956 | 6.575198e-01 | 22.632098 | 0.801792366 | 4.749815687 |
| ## 469 | 0.678969957 | 0.51397011 | 6.150634e-01 | 20.490314 | 3.695354482 | 3.209994148 |
| ## 109 | 0.355828221 | 4.62068965 | 2.676421e-02 | 22.952999 | 0.000000000 | 2.992404865 |
| ## 50 | 0.388140162 | 4.15277778 | 4.273326e-02 | 1.695133 | 0.290386628 | 0.001762946 |
| ## 69 | 0.901234568 | 0.82022472 | 8.354579e-01 | 24.214661 | 0.000000000 | 1.030104219 |
| ## 403 | 0.462562396 | 3.32374101 | 9.790663e-02 | 4.297526 | 0.810260242 | 0.000000000 |
| ## 442 | 0.282485876 | 6.08000000 | 6.219909e-03 | 19.243403 | 0.000000000 | 3.951297835 |
| ## 143 | 0.449638628 | 0.29002182 | 4.916549e-01 | 19.656994 | 3.501005375 | 6.835556197 |
| ## 168 | 0.089108911 | 21.44444444 | 1.321570e-09 | 25.022761 | 0.000000000 | 2.940287544 |
| ## 360 | 0.483333333 | 3.13793103 | 1.178985e-01 | 22.046627 | 12.896095230 | 1.239654834 |
| ## 20 | 0.593283582 | 0.42175066 | 5.608794e-01 | 19.532485 | 3.637534976 | 6.192108820 |
| ## 440 | 0.446948357 | 3.47478992 | 8.418067e-02 | 9.922913 | 1.098952410 | 2.358841095 |
| ## 451 | 0.945368171 | 1.11557789 | 8.908512e-01 | 14.891078 | 0.956934195 | 4.133334195 |
| ## 196 | 0.151098901 | 12.23636364 | 1.318590e-05 | 2.033104 | 0.324030064 | 1.615989942 |
| ## 27 | 0.529761905 | 2.77528090 | 1.694358e-01 | 1.910512 | 0.336102377 | 1.453606529 |
| ## 134 | 0.189723320 | 9.54166667 | 1.951650e-04 | 23.481267 | 3.244146641 | 0.028574471 |
| ## 494 | 0.964388835 | 0.93122677 | 9.335384e-01 | 12.399317 | 0.000000000 | 0.691545067 |
| ## 205 | 0.843718080 | 1.37046005 | 6.904166e-01 | 17.584600 | 1.112337614 | 4.755469480 |
| ## 294 | 0.152482270 | 12.11627907 | 1.486830e-05 | 30.149998 | 0.000000000 | 29.950029530 |
| ## 123 | 0.387295082 | 0.24015248 | 4.677377e-01 | 29.548955 | 0.000000000 | 6.316198963 |
| ## 253 | 0.000000000 | 0.00000000 | 0.000000e+00 | 2.029231 | 0.336816435 | 1.162486021 |
| ## 466 | 0.083665339 | 22.90476190 | 3.068190e-10 | 25.455132 | 0.000000000 | 1.805268003 |
| ## 139 | 0.581891348 | 0.41032917 | 5.545098e-01 | 16.432591 | 3.628964091 | 1.838640982 |
| ## 95 | 0.000000000 | 3.40259740 | 9.048263e-02 | 1.361859 | 0.104623115 | 0.977904640 |
| ## 369 | 0.427758817 | 3.67553192 | 6.887019e-02 | 23.322459 | 1.274394541 | 4.676391320 |
| ## 127 | 0.389162562 | 4.13924051 | 4.331568e-02 | 2.805662 | 0.001438356 | 0.586330660 |
| ## 484 | 0.206257242 | 8.69662921 | 4.543560e-04 | 5.244802 | 0.818319726 | 0.713559002 |
| ## 450 | 0.000000000 | 13.87804878 | 2.553490e-06 | 2.088661 | 0.232134082 | 1.552423238 |
| ## 72 | 0.766331658 | 0.62118126 | 6.846697e-01 | 29.319321 | 0.000000000 | 9.442666940 |
| ## 204 | 0.105436573 | 17.96875000 | 4.271350e-08 | 2.477843 | 0.199021809 | 1.368376761 |
| ## 301 | 0.922943723 | 1.16697936 | 8.462171e-01 | 23.942936 | 0.000000000 | 4.438304874 |
| ## 465 | 0.714470284 | 0.55577889 | 6.413236e-01 | 17.201264 | 3.873709674 | 2.258417843 |
| ## 339 | 0.692825112 | 1.88673139 | 4.120002e-01 | 4.138825 | 1.033532945 | 0.036291684 |

| | | | | | | | |
|----|-----|--------------|-------------|--------------|------------|--------------|--------------|
| ## | 328 | 0.411940299 | 3.85507246 | 5.755165e-02 | 16.949337 | 0.000000000 | 0.049179485 |
| ## | 299 | 0.593040847 | 2.37244898 | 2.534854e-01 | 27.160389 | 0.000000000 | 0.000000000 |
| ## | 349 | 0.297176820 | 5.73000000 | 8.826471e-03 | 9.900990 | 0.000000000 | 2.992589075 |
| ## | 399 | 0.627737226 | 2.18604651 | 3.054264e-01 | 4.025920 | 1.134053161 | 1.934071468 |
| ## | 92 | 0.109289617 | 17.30000000 | 8.336810e-08 | 18.686183 | 0.000000000 | 1.737184889 |
| ## | 467 | 0.310000000 | 5.45161290 | 1.165975e-02 | 30.150731 | 7.376018922 | 4.562893888 |
| ## | 352 | 0.431289641 | 3.63725490 | 7.155743e-02 | 39.172924 | 0.000000000 | 8.643017894 |
| ## | 232 | 0.000000000 | 1.25857520 | 7.721510e-01 | 18.023753 | 1.296785840 | 3.060192002 |
| ## | 13 | 0.102135562 | 18.58181818 | 2.313730e-08 | 16.937499 | 0.000000000 | 2.270251993 |
| ## | 104 | 0.153964588 | 11.99000000 | 1.686960e-05 | 22.631348 | 0.000000000 | 2.941711294 |
| ## | 80 | 0.000000000 | 2.71428571 | 1.800923e-01 | 2.089501 | 0.468975472 | 1.445409126 |
| ## | 131 | 0.464251668 | 3.30800821 | 9.945916e-02 | 1.412022 | 0.456666905 | 0.049854996 |
| ## | 376 | 0.660520607 | 0.49311741 | 6.023705e-01 | 10.214078 | 0.624971183 | 0.924436263 |
| ## | 166 | 0.000000000 | 1.35714286 | 6.996725e-01 | 1.736959 | 0.041032889 | 1.109451387 |
| ## | 478 | 0.814241486 | 0.68668407 | 7.310189e-01 | 29.970874 | 0.000000000 | 3.381072442 |
| ## | 264 | 0.446153846 | 0.28712871 | 4.902346e-01 | 17.202738 | 0.000000000 | 7.523560252 |
| ## | 254 | 0.986246562 | 1.02789047 | 9.724949e-01 | 11.624723 | 1.417811253 | 2.004089859 |
| ## | 129 | 0.216216216 | 8.25000000 | 7.101740e-04 | 18.515798 | 0.000000000 | 0.341891922 |
| ## | 292 | 0.907651715 | 1.20348837 | 8.158797e-01 | 18.802806 | 4.041131149 | 1.414810626 |
| ## | 430 | 0.552380952 | 2.62068966 | 1.977623e-01 | 6.044437 | 0.469968877 | 1.224235544 |
| ## | 130 | 0.292428198 | 5.83928571 | 7.912704e-03 | 12.241009 | 0.184054132 | 0.912337419 |
| ## | 183 | 0.116743472 | 16.13157895 | 2.681880e-07 | 35.182237 | 0.000000000 | 1.579632056 |
| ## | 325 | 0.740458015 | 0.58787879 | 6.622440e-01 | 24.537222 | 2.457644946 | 1.830700985 |
| ## | 280 | 0.909616775 | 1.19872814 | 8.197727e-01 | 27.729565 | 5.040918073 | 0.357577364 |
| ## | 420 | 0.594679186 | 2.36315790 | 2.558515e-01 | 18.778441 | 0.000000000 | 4.218953842 |
| ## | 18 | 0.756032172 | 0.60775862 | 6.755410e-01 | 25.828634 | 0.000000000 | 1.045449898 |
| ## | 74 | 0.079831933 | 24.05263158 | 9.735700e-11 | 29.108114 | 0.000000000 | 3.663635524 |
| ## | 153 | 0.000000000 | 0.40995851 | 5.543043e-01 | 2.710887 | 0.277850635 | 1.943265105 |
| ## | 447 | 0.753138075 | 1.65555556 | 5.191536e-01 | 20.620312 | 0.000000000 | 0.241350634 |
| ## | 172 | 0.871989861 | 1.29360465 | 7.455712e-01 | 25.703253 | 0.000000000 | 1.743340433 |
| ## | 79 | 0.789976134 | 0.65285996 | 7.067064e-01 | 24.359078 | 0.000000000 | 3.966363151 |
| ## | 344 | 0.966147233 | 0.93451144 | 9.366098e-01 | 5.773488 | 0.000000000 | 0.000000000 |
| ## | 354 | 0.151351351 | 12.21428571 | 1.348020e-05 | 23.998557 | 0.000000000 | 16.739361580 |
| ## | 225 | 0.812286689 | 1.46218487 | 6.299059e-01 | 18.962411 | 0.000000000 | 2.141489239 |
| ## | 239 | 0.780575540 | 0.64011799 | 6.977587e-01 | 41.099809 | 12.115001570 | 10.568602430 |
| ## | 220 | 0.157112527 | 11.72972973 | 2.188450e-05 | 26.261974 | 0.952989902 | 0.000000000 |
| ## | 94 | 0.635820896 | 2.14553991 | 3.180522e-01 | 3.024569 | 0.656928108 | 1.840794398 |
| ## | 288 | 0.753768844 | 1.65333333 | 5.203085e-01 | 39.533331 | 1.949619165 | 0.529459793 |
| ## | 62 | 0.246683047 | 0.14069507 | 4.234563e-01 | 22.173513 | 0.026239533 | 5.711581841 |
| ## | 251 | 0.376550169 | 4.31137725 | 3.646592e-02 | 30.138891 | 0.000000000 | 4.422438624 |
| ## | 389 | 0.127090301 | 14.73684211 | 1.081850e-06 | 35.878301 | 0.000000000 | 0.434414864 |
| ## | 382 | 0.673696544 | 0.50795053 | 6.113721e-01 | 2.501866 | 0.538742578 | 1.463346059 |
| ## | 246 | 0.119856887 | 15.68656716 | 4.185090e-07 | 14.069197 | 0.549521992 | 1.238334908 |
| ## | 425 | 0.342948718 | 4.83177570 | 2.167110e-02 | 14.270742 | 0.000000000 | 0.692318522 |
| ## | 174 | 0.332225914 | 5.02000000 | 1.795297e-02 | 23.857297 | 0.000000000 | 3.699589931 |
| ## | 296 | 0.275000000 | 6.27272727 | 5.129602e-03 | 27.436150 | 0.000000000 | 0.696876969 |
| ## | 461 | 0.885976409 | 1.25739645 | 7.730617e-01 | 29.985681 | 0.000000000 | 3.112529948 |
| ## | 367 | 0.544707091 | 0.37429378 | 5.348836e-01 | 20.443215 | 6.136418678 | 2.059043000 |
| ## | 48 | 0.632674298 | 0.46270929 | 5.843292e-01 | 8.258459 | 0.000000000 | 1.888919872 |
| ## | 408 | 0.860596293 | 0.75530410 | 7.829426e-01 | 5.371936 | 2.694153107 | 1.120066979 |
| ## | 218 | 0.349700599 | 0.21190131 | 4.547085e-01 | 11.751745 | 1.231582555 | 1.752363014 |
| ## | | D3APO | D3B | D3BA0 | D3BMM3 | D3BMM4 | D3BP03 |
| ## | 429 | 1.766011147 | 4.2821450 | 0.00000000 | 1.94572199 | 0.77828880 | 2.724011e+00 |
| ## | 297 | 13.661487510 | 65.9372521 | 0.00000000 | 0.00000000 | 3.13897230 | 5.650150e+01 |

| | | | | | | | |
|----|-----|--------------|-------------|-------------|--------------|-------------|--------------|
| ## | 221 | 4.111347686 | 24.6728756 | 1.72074315 | 12.04520203 | 5.16222944 | 1.462632e+01 |
| ## | 83 | 20.303275450 | 112.2082121 | 0.00000000 | 8.73997836 | 8.73997836 | 1.267297e+02 |
| ## | 431 | 1.638947918 | 13.9772440 | 2.36598814 | 13.18193394 | 0.67599661 | 6.759966e+00 |
| ## | 284 | 5.527548369 | 19.8097549 | 0.00000000 | 6.67467059 | 0.00000000 | 1.802161e+01 |
| ## | 159 | 9.165724699 | 62.9354259 | 0.00000000 | 0.00000000 | 62.93542587 | 0.000000e+00 |
| ## | 263 | 2.381625339 | 2.8828647 | 0.59915242 | 0.77033883 | 0.17118641 | 2.910169e+00 |
| ## | 435 | 6.407259476 | 41.8762357 | 0.00000000 | 6.60925437 | 3.30462719 | 4.626478e+01 |
| ## | 302 | 0.000075316 | 1.2715321 | 0.40728126 | 0.96266479 | 0.62943467 | 0.000000e+00 |
| ## | 485 | 16.134241610 | 96.1469025 | 0.00000000 | 34.85305412 | 6.33691893 | 7.604303e+01 |
| ## | 250 | 0.114849759 | 5.8262223 | 0.00000000 | 8.41160445 | 0.21568217 | 0.000000e+00 |
| ## | 410 | 13.670433980 | 131.1555414 | 0.00000000 | 112.37488820 | 28.09372204 | 4.214058e+01 |
| ## | 445 | 12.449166450 | 114.3776664 | 0.00000000 | 52.78157193 | 52.78157193 | 0.000000e+00 |
| ## | 63 | 12.828415240 | 67.9948302 | 0.00000000 | 2.10204440 | 0.00000000 | 8.408178e+01 |
| ## | 247 | 11.409028370 | 67.4597965 | 0.00000000 | 32.11147967 | 12.84459187 | 4.495607e+01 |
| ## | 415 | 16.261942430 | 73.6723902 | 0.00000000 | 21.73226851 | 7.24408950 | 5.070863e+01 |
| ## | 194 | 24.231626930 | 205.7294873 | 0.00000000 | 26.99204190 | 15.42402394 | 2.005123e+02 |
| ## | 390 | 2.275933856 | 5.1145746 | 0.98551464 | 1.60146129 | 0.12318933 | 5.050763e+00 |
| ## | 191 | 9.808712232 | 62.7102080 | 0.00000000 | 22.06720802 | 1.91888765 | 5.756663e+01 |
| ## | 477 | 8.529496010 | 23.1444991 | 6.94040005 | 0.00000000 | 0.00000000 | 2.949670e+01 |
| ## | 468 | 19.270266790 | 292.1835873 | 0.00000000 | 125.19247490 | 93.89435615 | 7.824530e+01 |
| ## | 70 | 14.738009230 | 53.5934936 | 0.00000000 | 5.54367661 | 2.77183830 | 8.315515e+00 |
| ## | 229 | 17.606405370 | 85.0648616 | 0.00000000 | 15.46212154 | 3.86553038 | 5.411743e+01 |
| ## | 97 | 13.831703140 | 64.2213364 | 0.00000000 | 0.00000000 | 0.00000000 | 6.851955e+01 |
| ## | 112 | 12.349248740 | 160.3214742 | 0.00000000 | 81.84364708 | 30.69136765 | 5.115228e+01 |
| ## | 458 | 0.985601351 | 2.9941629 | 0.69064192 | 0.69064192 | 0.00000000 | 3.453210e+00 |
| ## | 126 | 19.712070020 | 125.4526035 | 0.00000000 | 4.64432858 | 0.00000000 | 1.625515e+02 |
| ## | 434 | 21.804623510 | 113.7397018 | 0.00000000 | 0.00000000 | 0.00000000 | 1.250678e+02 |
| ## | 372 | 3.997119100 | 7.7961743 | 1.23040132 | 3.86697557 | 0.35154323 | 7.030865e+00 |
| ## | 171 | 1.730354299 | 0.9967438 | 0.00000000 | 0.18679606 | 0.00000000 | 1.307572e+00 |
| ## | 455 | 2.314898386 | 14.5197329 | 3.29858987 | 0.65971797 | 0.00000000 | 1.715267e+01 |
| ## | 432 | 16.874003780 | 112.7466825 | 0.00000000 | 19.88886882 | 3.31481147 | 1.093888e+02 |
| ## | 437 | 20.680916040 | 121.4185546 | 0.00000000 | 37.15605442 | 7.43121088 | 8.917453e+01 |
| ## | 215 | 10.946195560 | 35.6685367 | 10.69713791 | 0.00000000 | 0.00000000 | 3.423084e+01 |
| ## | 441 | 21.799657710 | 102.1630975 | 0.00000000 | 0.00000000 | 0.00000000 | 1.148904e+02 |
| ## | 213 | 14.730805750 | 106.7205094 | 0.00000000 | 0.00000000 | 0.00000000 | 1.110379e+02 |
| ## | 118 | 17.323403400 | 86.3482132 | 4.14309014 | 8.28618029 | 4.14309014 | 9.321953e+01 |
| ## | 456 | 0.630982672 | 0.00000000 | 0.00000000 | 0.00000000 | 0.00000000 | 0.000000e+00 |
| ## | 58 | 2.063824695 | 4.9304736 | 4.13994185 | 0.78856035 | 0.39428018 | 5.125642e+00 |
| ## | 379 | 22.011112930 | 50.9489540 | 0.00000000 | 0.00000000 | 0.00000000 | 8.990463e+00 |
| ## | 407 | 11.626685390 | 38.4694117 | 0.00000000 | 0.00000000 | 9.22970530 | 3.691882e+01 |
| ## | 422 | 18.649892080 | 73.5077437 | 0.00000000 | 0.00000000 | 0.00000000 | 1.021464e+02 |
| ## | 351 | 19.190415010 | 114.3851395 | 0.00000000 | 7.07281741 | 3.53640870 | 1.167015e+02 |
| ## | 452 | 13.527114230 | 48.2173160 | 0.00000000 | 2.24177958 | 1.12088979 | 5.492360e+01 |
| ## | 366 | 13.090837810 | 61.7655414 | 0.00000000 | 3.30774602 | 0.00000000 | 5.953943e+01 |
| ## | 397 | 5.624207235 | 18.5331295 | 0.19097853 | 3.05565647 | 0.00000000 | 2.158057e+01 |
| ## | 201 | 1.784087670 | 2.8905845 | 0.51420817 | 0.36729155 | 0.00000000 | 3.305624e+00 |
| ## | 10 | 16.072231420 | 121.2028496 | 0.00000000 | 25.24217960 | 5.04843592 | 9.592028e+01 |
| ## | 480 | 0.059888139 | 2.1468638 | 0.02189879 | 2.34316996 | 0.58031779 | 5.474696e-03 |
| ## | 446 | 14.041599270 | 48.8864295 | 0.00000000 | 3.33184048 | 4.99776073 | 5.497537e+01 |
| ## | 82 | 11.261765980 | 52.5343965 | 0.00000000 | 0.00000000 | 0.00000000 | 4.703169e+01 |
| ## | 151 | 9.048343631 | 58.2374910 | 5.82171150 | 5.82171150 | 0.00000000 | 5.530626e+01 |
| ## | 236 | 2.909819237 | 6.8849296 | 2.09954398 | 1.39969599 | 0.00000000 | 7.873290e+00 |
| ## | 237 | 24.231805900 | 339.5728144 | 0.00000000 | 35.73510281 | 62.53642991 | 2.322782e+02 |
| ## | 479 | 0.475419079 | 2.4002354 | 0.79782400 | 1.43245673 | 0.43517673 | 7.252945e-01 |

| | | | | | | | |
|----|-----|--------------|-------------|-------------|-------------|-------------|--------------|
| ## | 383 | 0.752750668 | 2.6791504 | 0.18682731 | 2.61558241 | 0.04670683 | 1.261084e+00 |
| ## | 75 | 10.827040030 | 53.7998395 | 0.00000000 | 9.82132942 | 4.20914118 | 3.928532e+01 |
| ## | 350 | 1.307476372 | 0.4765500 | 0.00000000 | 0.00000000 | 0.00000000 | 6.453570e-01 |
| ## | 310 | 25.428342720 | 235.7974913 | 0.00000000 | 6.86535525 | 20.59606574 | 2.540181e+02 |
| ## | 475 | 21.180477520 | 141.9774277 | 0.00000000 | 4.67954607 | 14.03863820 | 8.891138e+01 |
| ## | 101 | 9.119967298 | 63.7989496 | 3.80457687 | 17.39235143 | 1.63053295 | 6.359078e+01 |
| ## | 65 | 1.759381588 | 10.2959502 | 0.00000000 | 8.67231868 | 0.52033912 | 5.723730e+00 |
| ## | 291 | 9.897886103 | 37.7857298 | 0.00000000 | 13.26026568 | 4.82191479 | 2.893149e+01 |
| ## | 199 | 2.449902454 | 2.1645599 | 2.10003163 | 0.00000000 | 0.00000000 | 2.672768e+00 |
| ## | 436 | 17.570854960 | 138.5906725 | 0.00000000 | 46.17995818 | 13.85398745 | 1.062139e+02 |
| ## | 387 | 15.602400060 | 88.4597524 | 20.72433520 | 12.43460112 | 0.00000000 | 9.533194e+01 |
| ## | 100 | 10.847334420 | 42.3189754 | 0.00000000 | 4.64414259 | 13.93242778 | 1.238438e+01 |
| ## | 334 | 0.792550578 | 51.6243150 | 0.00000000 | 69.91104759 | 4.99364626 | 0.000000e+00 |
| ## | 439 | 24.669444660 | 199.5913958 | 0.00000000 | 12.09278375 | 12.09278375 | 1.692990e+02 |
| ## | 87 | 17.144737070 | 105.0888691 | 0.00000000 | 29.41899954 | 12.60814266 | 3.362171e+01 |
| ## | 333 | 14.226452050 | 119.4241660 | 0.00000000 | 0.00000000 | 0.00000000 | 1.474632e+02 |
| ## | 184 | 12.337461750 | 71.1922254 | 5.23915262 | 22.26639863 | 3.92936446 | 5.894047e+01 |
| ## | 186 | 20.355171080 | 200.5596774 | 0.00000000 | 62.65923437 | 50.12738750 | 8.772293e+01 |
| ## | 49 | 0.102122734 | 1.1622700 | 0.43098209 | 0.74788068 | 0.41830614 | 1.774632e-01 |
| ## | 357 | 31.151973280 | 215.8452168 | 0.00000000 | 19.61694236 | 0.00000000 | 1.569355e+02 |
| ## | 224 | 18.466665450 | 68.7059692 | 0.00000000 | 0.00000000 | 0.00000000 | 7.105064e+01 |
| ## | 486 | 0.912432965 | 4.3456001 | 0.50774265 | 3.04645591 | 1.18473285 | 1.692476e+00 |
| ## | 164 | 6.677886895 | 21.8164325 | 0.00000000 | 2.80404857 | 0.93468286 | 1.869366e+01 |
| ## | 226 | 12.447907750 | 58.0928657 | 0.00000000 | 19.99066267 | 0.00000000 | 5.426037e+01 |
| ## | 404 | 18.492936830 | 136.3907523 | 0.00000000 | 27.26833386 | 16.36100032 | 1.199807e+02 |
| ## | 272 | 21.298755620 | 132.3194042 | 0.00000000 | 0.00000000 | 0.00000000 | 1.357551e+02 |
| ## | 238 | 0.509095072 | 3.5048083 | 2.36571604 | 4.36747576 | 0.04549454 | 8.189017e-01 |
| ## | 140 | 0.780721311 | 1.1403072 | 1.39143082 | 0.90294979 | 0.01480246 | 6.513080e-01 |
| ## | 31 | 5.784364138 | 26.6781511 | 1.45840309 | 9.16710516 | 3.12514949 | 2.145936e+01 |
| ## | 313 | 0.451098715 | 1.8455105 | 0.66578360 | 0.99867540 | 0.29128033 | 1.206733e+00 |
| ## | 359 | 1.902518145 | 14.3786695 | 3.23884941 | 11.13354486 | 1.01214044 | 7.692267e+00 |
| ## | 181 | 0.096572100 | 1.0536986 | 0.37417290 | 1.37196730 | 0.11086604 | 4.157477e-02 |
| ## | 90 | 28.193435050 | 194.6937264 | 0.00000000 | 0.00000000 | 0.00000000 | 3.768023e+01 |
| ## | 444 | 22.352364750 | 159.2401400 | 0.00000000 | 13.17585917 | 13.17585917 | 8.234912e+01 |
| ## | 85 | 4.586662736 | 17.2662918 | 0.00000000 | 4.19806506 | 1.74919377 | 1.854145e+01 |
| ## | 187 | 8.002114122 | 39.3829256 | 3.55711239 | 1.42284496 | 0.00000000 | 5.122242e+01 |
| ## | 30 | 6.442570026 | 53.7916171 | 4.18589254 | 2.89792561 | 0.64398347 | 5.409461e+01 |
| ## | 304 | 3.953706785 | 15.9354654 | 6.23331328 | 6.23331328 | 3.11665664 | 1.142774e+01 |
| ## | 202 | 5.569994151 | 30.0401081 | 2.17939891 | 5.81173042 | 2.90586521 | 3.269098e+01 |
| ## | 37 | 0.489209738 | 1.8412191 | 0.81267864 | 1.50584571 | 0.33463238 | 7.170694e-01 |
| ## | 287 | 24.361736100 | 215.8927689 | 0.00000000 | 53.07229011 | 26.53614505 | 1.432952e+02 |
| ## | 471 | 9.045941142 | 52.3601853 | 7.65947708 | 15.31895417 | 3.82973854 | 4.595686e+01 |
| ## | 314 | 11.578727340 | 68.3827005 | 0.00000000 | 21.17560033 | 10.03054753 | 5.795427e+01 |
| ## | 36 | 18.015816290 | 78.4445227 | 0.00000000 | 36.19124461 | 0.00000000 | 5.428687e+01 |
| ## | 5 | 0.156224635 | 0.9245566 | 0.52560741 | 0.90667279 | 0.14454204 | 1.839626e-01 |
| ## | 108 | 7.547702573 | 29.6163505 | 5.43768485 | 12.68793132 | 5.43768485 | 2.084446e+01 |
| ## | 47 | 2.749259156 | 11.3769638 | 0.00000000 | 1.26359230 | 1.26359230 | 1.263592e+01 |
| ## | 89 | 21.473673410 | 154.2292650 | 0.00000000 | 39.65102366 | 13.21700789 | 5.286803e+01 |
| ## | 454 | 0.967760798 | 6.2176802 | 0.05582553 | 4.13108933 | 0.44660425 | 3.182055e+00 |
| ## | 336 | 26.683326220 | 205.7984942 | 0.00000000 | 15.82639245 | 0.00000000 | 1.503507e+02 |
| ## | 252 | 2.250448126 | 4.7539581 | 1.14053934 | 3.61170791 | 0.95044945 | 1.520719e+00 |
| ## | 464 | 26.524246260 | 241.3903331 | 0.00000000 | 59.61937519 | 25.55116080 | 1.618240e+02 |
| ## | 212 | 1.569202335 | 6.1037512 | 0.48168858 | 3.02775679 | 0.48168858 | 4.059947e+00 |
| ## | 233 | 20.990665220 | 148.9271694 | 0.00000000 | 18.15432252 | 7.26172901 | 1.670198e+02 |

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## 428 28.045598970 114.4314906 0.00000000 19.61122376 9.80561188 7.844490e+01
## 154 0.235043121 1.0000615 0.74003617 1.09057961 0.27264490 0.000000e+00
## 40 22.260330230 183.4255908 0.00000000 15.79280992 13.16067493 1.447674e+02
## 356 0.573508880 1.1902595 0.90643273 1.52960524 0.05665205 1.699561e-01
## 473 19.242537710 66.1935120 0.00000000 0.00000000 0.00000000 3.970817e+01
## 133 18.695408950 124.3959765 24.87070999 11.70386353 4.38894882 1.155757e+02
## 152 19.602083960 90.0660095 0.00000000 20.77886943 20.77886943 5.194717e+01
## 4 0.191100378 1.3765219 0.65888253 1.82161641 0.13565229 3.875780e-02
## 56 7.691103577 26.2082981 0.63897743 8.30670654 1.27795485 2.236421e+01
## 384 12.705792590 82.8535814 0.00000000 37.31789417 1.96409969 6.481529e+01
## 145 1.885105364 1.0524290 0.24913494 0.00000000 0.00000000 1.577855e+00
## 234 10.646392120 50.5426035 0.89159264 5.34955583 3.56637055 5.171237e+01
## 361 27.936826860 176.0248639 0.00000000 0.00000000 0.00000000 0.000000e+00
## 348 13.524531800 66.8066410 0.00000000 42.17369101 0.00000000 5.271711e+01
## 197 6.743883515 30.4833099 6.96442996 3.48221498 1.74110749 3.830436e+01
## 136 6.924809676 7.7482595 0.00000000 0.00000000 0.00000000 1.161658e+01
## 192 25.123302390 226.9411623 0.00000000 0.00000000 10.31222621 2.165568e+02
## 258 0.287591716 1.5411856 1.08897189 1.00427407 0.54448594 4.718878e-01
## 61 17.452192180 104.7275112 2.22758138 0.00000000 4.45516277 9.355842e+01
## 240 21.558764150 262.5707949 16.40452299 164.04522990 16.40452299 1.312362e+02
## 293 15.526289240 84.6057284 0.00000000 13.59346536 9.06231024 5.890502e+01
## 255 0.153718744 0.9591922 0.78069965 1.31486257 0.08217891 0.000000e+00
## 245 3.912422084 18.0538659 4.24621999 4.24621999 0.00000000 1.804643e+01
## 77 24.390604750 213.8423546 5.10967263 0.00000000 0.00000000 2.631481e+02
## 156 8.059718684 22.9728732 0.00000000 5.70152588 1.42538147 1.948021e+01
## 43 19.373994170 179.9169981 0.00000000 55.17985969 36.78657313 1.594085e+02
## 474 3.354362702 7.6978713 0.00000000 1.30659404 0.29035423 9.146158e+00
## 449 5.006975223 24.9918729 0.00000000 10.87864460 0.00000000 2.296603e+01
## 214 22.688406200 100.2681718 0.00000000 0.00000000 0.00000000 1.072051e+02
## 91 26.332448650 184.7271188 0.00000000 51.53138120 0.00000000 1.674770e+02
## 285 3.233965004 3.8415662 1.22176118 0.00000000 0.00000000 5.236119e+00
## 364 19.710834990 187.6108833 0.00000000 63.39544103 15.84886026 1.347153e+02
## 178 0.209720162 1.2447650 0.43068473 1.69402660 0.11484926 0.000000e+00
## 93 18.359445240 153.6636325 0.00000000 37.24050470 51.20569396 1.024114e+02
## 84 16.669734830 273.5555269 0.00000000 78.14755805 117.22133710 3.907378e+01
## 146 5.388138852 21.4308202 0.00000000 0.00000000 0.00000000 2.739167e+01
## 64 11.823211880 56.4775178 3.65542391 0.00000000 4.87389854 6.457916e+01
## 326 21.634871440 191.2657175 0.00000000 36.22456771 0.00000000 2.052726e+02
## 273 1.158700631 3.6300766 0.17992945 2.96883585 0.44982361 1.529400e+00
## 355 12.847255690 73.1079837 0.00000000 22.42117678 4.98248373 7.224601e+01
## 228 4.617465194 16.3540251 1.62562169 8.39904540 0.00000000 1.408872e+01
## 117 10.141138560 38.9987980 2.78453451 1.39226725 2.78453451 4.455255e+01
## 29 1.238680524 2.3294869 0.27666937 1.52168153 0.13833468 1.037510e+00
## 45 20.884311740 175.4567285 0.00000000 0.00000000 0.00000000 2.229437e+02
## 176 8.482017584 34.6791755 0.00000000 3.43783648 0.85945912 3.953512e+01
## 198 26.503916470 191.5564259 0.00000000 0.00000000 10.08191715 0.000000e+00
## 488 2.168523573 6.2137362 0.00000000 1.64776881 0.12675145 7.098081e+00
## 35 6.659240800 16.8120979 0.54798233 2.73991166 1.09596466 1.917938e+01
## 54 5.696970316 24.5928667 1.11734969 7.82144783 2.23469938 2.569904e+01
## 208 17.394694210 130.2562812 0.00000000 21.69943462 5.42485866 1.573209e+02
## 402 0.236870363 1.9732071 0.36575642 2.13764310 0.28447722 3.576285e-01
## 417 36.805883590 359.5236540 0.00000000 9.89401180 4.94700590 1.137811e+02
## 345 11.405955090 62.6442180 4.38163377 8.76326754 5.47704221 6.134287e+01
## 60 23.818316080 155.4418683 19.06898227 10.59387904 4.23755162 1.843335e+02

```

| | | | | | | | |
|----|-----|--------------|-------------|-------------|--------------|--------------|--------------|
| ## | 105 | 6.207652522 | 35.9893140 | 1.32450000 | 3.97350000 | 3.97350000 | 1.721850e+01 |
| ## | 283 | 13.098217050 | 57.6599805 | 0.00000000 | 0.00000000 | 0.00000000 | 6.019358e+01 |
| ## | 210 | 6.810324441 | 18.1037149 | 0.00000000 | 0.00000000 | 0.00000000 | 2.429621e+01 |
| ## | 207 | 7.935828077 | 29.4541527 | 0.00000000 | 22.07957475 | 0.00000000 | 2.207957e+01 |
| ## | 487 | 26.729909340 | 245.2427851 | 0.00000000 | 22.06809908 | 22.06809908 | 1.029845e+02 |
| ## | 33 | 6.626334294 | 57.9081531 | 1.26145064 | 7.14822030 | 0.00000000 | 5.760625e+01 |
| ## | 267 | 24.524820470 | 202.3010848 | 0.00000000 | 24.10737853 | 12.05368926 | 1.767874e+02 |
| ## | 163 | 11.187015860 | 46.7591102 | 0.00000000 | 6.87310533 | 1.37462107 | 5.910871e+01 |
| ## | 81 | 20.681968250 | 163.3921454 | 0.00000000 | 35.56814310 | 15.80806360 | 9.089637e+01 |
| ## | 223 | 22.668560260 | 123.3239157 | 0.00000000 | 0.00000000 | 0.00000000 | 1.657751e+02 |
| ## | 386 | 0.148005988 | 4.9780795 | 0.14261795 | 6.75058285 | 0.38031453 | 1.426179e-01 |
| ## | 343 | 11.775671140 | 103.2368474 | 0.00000000 | 18.33221448 | 18.33221448 | 8.147651e+01 |
| ## | 137 | 6.323125088 | 65.6372153 | 65.63721532 | 0.00000000 | 65.63721532 | 0.000000e+00 |
| ## | 483 | 21.093734200 | 133.2996674 | 0.00000000 | 0.00000000 | 0.00000000 | 1.683077e+02 |
| ## | 71 | 2.962072992 | 4.3113618 | 0.74591035 | 0.49727356 | 0.62159196 | 4.475462e+00 |
| ## | 358 | 13.621825620 | 49.6559505 | 0.00000000 | 0.00000000 | 0.00000000 | 6.539635e+01 |
| ## | 323 | 22.067509220 | 124.4315190 | 0.00000000 | 6.84837332 | 3.42418666 | 5.136280e+01 |
| ## | 385 | 0.973693540 | 2.9267450 | 0.88402223 | 1.57861113 | 0.44201112 | 1.578611e+00 |
| ## | 261 | 10.294794950 | 54.1899763 | 0.00000000 | 24.99852124 | 0.00000000 | 5.454223e+01 |
| ## | 17 | 13.844295610 | 60.0010501 | 0.00000000 | 29.18102458 | 24.31752049 | 2.431752e+01 |
| ## | 275 | 14.751657030 | 132.1642258 | 0.00000000 | 55.04549180 | 22.01819672 | 1.100910e+02 |
| ## | 338 | 16.997234960 | 74.5976257 | 13.64208070 | 5.45683228 | 0.00000000 | 5.729674e+01 |
| ## | 315 | 4.218061108 | 13.2430897 | 0.19092166 | 4.20027642 | 0.57276497 | 1.336452e+01 |
| ## | 189 | 22.218356860 | 169.6961177 | 0.00000000 | 41.54890561 | 31.16167921 | 7.271058e+01 |
| ## | 243 | 16.343398730 | 113.8484128 | 0.00000000 | 13.74759452 | 4.58253151 | 1.328934e+02 |
| ## | 179 | 25.641995460 | 225.2031886 | 0.00000000 | 0.00000000 | 0.00000000 | 1.039239e+02 |
| ## | 107 | 23.408772550 | 124.6145459 | 0.00000000 | 9.46307825 | 4.73153912 | 4.258385e+01 |
| ## | 305 | 20.653558610 | 109.1225930 | 0.00000000 | 0.00000000 | 13.09366367 | 2.618733e+01 |
| ## | 248 | 3.354660122 | 10.3196786 | 0.50079482 | 0.80127172 | 0.00000000 | 9.114466e+00 |
| ## | 419 | 22.230812940 | 222.4995089 | 57.19536666 | 19.06512222 | 38.13024444 | 2.001838e+02 |
| ## | 395 | 14.149732170 | 182.7809879 | 0.00000000 | 137.05147810 | 0.00000000 | 0.000000e+00 |
| ## | 496 | 0.200171528 | 3.0982354 | 0.00000000 | 4.41960799 | 0.09019608 | 9.019608e-02 |
| ## | 86 | 21.347060060 | 114.2480370 | 7.96875476 | 0.00000000 | 0.00000000 | 8.765630e+01 |
| ## | 438 | 20.925837510 | 87.3657178 | 0.00000000 | 0.00000000 | 0.00000000 | 1.206471e+02 |
| ## | 282 | 1.905855557 | 1.9339601 | 0.53630720 | 0.16361915 | 0.06362967 | 2.327028e+00 |
| ## | 23 | 10.319292010 | 43.0163569 | 0.00000000 | 18.21119360 | 6.07039787 | 3.490479e+01 |
| ## | 321 | 14.490385780 | 118.4536705 | 14.59807795 | 38.92820787 | 14.59807795 | 1.021865e+02 |
| ## | 406 | 0.337999651 | 1.5359161 | 0.58680441 | 2.12494325 | 0.05334586 | 9.780073e-02 |
| ## | 51 | 20.074853850 | 166.1777072 | 7.97436092 | 31.89744368 | 15.94872184 | 1.036667e+02 |
| ## | 55 | 13.271745870 | 54.1473075 | 3.38314948 | 3.38314948 | 3.38314948 | 4.736409e+01 |
| ## | 106 | 1.624924900 | 5.5913534 | 0.48603559 | 2.06565124 | 0.24301779 | 3.766776e+00 |
| ## | 427 | 24.828641880 | 230.8378282 | 20.36190515 | 15.27142886 | 0.00000000 | 1.934381e+02 |
| ## | 290 | 18.367741320 | 141.7527778 | 0.00000000 | 30.07697386 | 12.03078954 | 1.403592e+02 |
| ## | 324 | 7.645776977 | 99.4781861 | 0.00000000 | 78.51474828 | 15.70294966 | 0.000000e+00 |
| ## | 15 | 24.009919090 | 214.8435445 | 0.00000000 | 49.57165309 | 24.78582654 | 4.957165e+01 |
| ## | 303 | 15.574929810 | 203.8890536 | 0.00000000 | 69.89683018 | 104.84524530 | 0.000000e+00 |
| ## | 169 | 24.331680410 | 158.8015941 | 0.00000000 | 0.00000000 | 0.00000000 | 1.053760e+02 |
| ## | 116 | 2.589034852 | 17.3491959 | 0.70310824 | 5.15612710 | 0.23436941 | 1.242158e+01 |
| ## | 102 | 0.639311281 | 3.1659674 | 0.46564640 | 2.54699206 | 0.50939841 | 1.168804e+00 |
| ## | 262 | 9.032898349 | 35.3324479 | 6.48711787 | 5.04553612 | 2.88316350 | 3.603954e+01 |
| ## | 448 | 4.170873336 | 14.0733056 | 1.52907556 | 3.66978135 | 0.00000000 | 1.376168e+01 |
| ## | 380 | 6.845247689 | 24.2950468 | 2.32518154 | 6.20048410 | 0.77506051 | 2.325182e+01 |
| ## | 418 | 18.452429080 | 96.7713839 | 0.00000000 | 21.02902862 | 4.20580573 | 9.252773e+01 |
| ## | 489 | 13.694626040 | 66.9195330 | 5.73368990 | 4.91459134 | 2.45729567 | 7.453797e+01 |

| | | | | | | |
|--------|--------------|-------------|-------------|--------------|-------------|--------------|
| ## 235 | 6.395384771 | 50.5173116 | 1.59458694 | 15.14857595 | 5.58105430 | 5.102678e+01 |
| ## 457 | 27.938280820 | 169.0901023 | 0.00000000 | 0.00000000 | 0.00000000 | 1.347079e+02 |
| ## 244 | 13.179781970 | 55.2875343 | 0.00000000 | 0.00000000 | 0.00000000 | 5.752421e+01 |
| ## 25 | 0.491124378 | 6.0860919 | 0.00000000 | 6.35687420 | 0.61518137 | 1.537953e+00 |
| ## 281 | 20.595372150 | 137.3475643 | 0.00000000 | 10.56397834 | 31.69193501 | 3.697392e+01 |
| ## 119 | 17.221773090 | 101.6809984 | 0.00000000 | 16.94259742 | 42.35649354 | 5.929909e+01 |
| ## 400 | 0.216672551 | 0.8649717 | 0.58948163 | 1.16212094 | 0.06736933 | 3.368467e-02 |
| ## 481 | 10.128935450 | 40.0659216 | 0.00000000 | 11.86698899 | 0.00000000 | 3.263422e+01 |
| ## 180 | 0.043323218 | 0.00000000 | 0.00000000 | 0.00000000 | 0.00000000 | 0.000000e+00 |
| ## 482 | 8.631130185 | 69.6483779 | 0.00000000 | 32.58819442 | 5.92512626 | 5.184485e+01 |
| ## 319 | 13.471835010 | 101.7493793 | 0.00000000 | 13.26935046 | 53.07740184 | 3.980805e+01 |
| ## 38 | 5.709718595 | 25.8849927 | 1.12504315 | 7.87530202 | 1.68756472 | 1.912573e+01 |
| ## 388 | 9.674401556 | 70.0246509 | 0.00000000 | 8.48475111 | 4.24237555 | 6.787801e+01 |
| ## 309 | 0.041602079 | 4.3871433 | 0.00000000 | 6.08610215 | 0.32771319 | 0.000000e+00 |
| ## 78 | 3.420318368 | 7.2739795 | 0.00000000 | 0.81544570 | 0.40772285 | 7.950596e+00 |
| ## 7 | 10.659022280 | 59.7548016 | 2.38923637 | 14.33541820 | 2.38923637 | 5.734167e+01 |
| ## 12 | 4.525905770 | 21.0606711 | 1.07048242 | 4.28192966 | 1.60572362 | 1.926868e+01 |
| ## 211 | 0.088280944 | 1.1174999 | 0.22640705 | 1.67541219 | 0.00000000 | 0.000000e+00 |
| ## 167 | 0.867124703 | 4.0563746 | 1.37051258 | 2.74102515 | 0.17131407 | 3.083653e+00 |
| ## 377 | 18.085136440 | 81.3511578 | 12.62040922 | 0.00000000 | 0.00000000 | 5.889524e+01 |
| ## 332 | 10.042676720 | 57.2472675 | 3.39948145 | 3.39948145 | 1.69974072 | 6.459015e+01 |
| ## 144 | 8.624627840 | 48.2163240 | 3.19535598 | 14.37910190 | 1.59767799 | 4.473498e+01 |
| ## 260 | 13.200278700 | 77.2821506 | 14.74890411 | 23.17684932 | 16.85589042 | 5.478164e+01 |
| ## 453 | 11.382459370 | 154.6326006 | 0.00000000 | 0.00000000 | 51.54420021 | 0.000000e+00 |
| ## 491 | 24.039594560 | 128.7019643 | 0.00000000 | 0.00000000 | 22.37711281 | 1.006970e+02 |
| ## 52 | 10.730385110 | 56.2006739 | 3.83038421 | 10.21435789 | 0.00000000 | 5.490217e+01 |
| ## 206 | 22.844096490 | 167.2132443 | 0.00000000 | 21.80520888 | 0.00000000 | 9.812344e+01 |
| ## 160 | 14.358466620 | 68.4576798 | 0.00000000 | 0.00000000 | 3.87346478 | 7.940603e+01 |
| ## 277 | 4.419782619 | 15.8574111 | 0.93240496 | 2.79721487 | 0.46620248 | 1.678329e+01 |
| ## 88 | 24.809041460 | 271.3926571 | 0.00000000 | 83.90819229 | 33.56327692 | 1.845980e+02 |
| ## 1 | 32.324104410 | 347.1866907 | 0.00000000 | 96.86452973 | 80.72044144 | 1.695129e+02 |
| ## 426 | 13.941424740 | 47.3896771 | 0.00000000 | 0.00000000 | 0.00000000 | 6.252686e+01 |
| ## 353 | 5.626669162 | 14.7709476 | 2.49540864 | 0.00000000 | 0.00000000 | 1.933942e+01 |
| ## 157 | 17.471758550 | 71.4884484 | 0.00000000 | 5.16647022 | 15.49941065 | 5.166470e+01 |
| ## 368 | 12.791839010 | 81.2913828 | 0.00000000 | 10.44742100 | 6.96494733 | 9.054432e+01 |
| ## 365 | 30.712952080 | 143.5863174 | 0.00000000 | 0.00000000 | 0.00000000 | 1.076628e+02 |
| ## 57 | 6.934311452 | 59.1824686 | 19.72091589 | 51.27438132 | 15.77673271 | 7.888366e+00 |
| ## 493 | 6.850343417 | 22.9364720 | 1.63761759 | 8.18808795 | 3.27523518 | 2.128903e+01 |
| ## 259 | 0.512997221 | 2.7494317 | 1.71775068 | 1.03065041 | 0.11451671 | 2.061301e+00 |
| ## 265 | 2.007585370 | 6.6966972 | 2.45277801 | 2.60607664 | 0.00000000 | 5.365452e+00 |
| ## 307 | 3.324069800 | 17.9377147 | 2.37320189 | 7.38329478 | 1.84582370 | 1.318445e+01 |
| ## 170 | 21.417195000 | 102.9081020 | 0.00000000 | 3.13342981 | 7.83357454 | 7.833575e+01 |
| ## 121 | 7.109316068 | 26.7700187 | 0.00000000 | 8.45066565 | 0.84506656 | 2.028160e+01 |
| ## 276 | 0.127078648 | 1.1053064 | 1.41586315 | 1.44804186 | 0.09653612 | 6.435742e-02 |
| ## 394 | 14.355385680 | 98.5644825 | 5.68389842 | 17.05169526 | 0.00000000 | 1.136780e+02 |
| ## 32 | 17.883338070 | 118.7938035 | 0.00000000 | 29.96480468 | 0.00000000 | 1.032121e+02 |
| ## 2 | 10.213999510 | 162.0438108 | 0.00000000 | 129.58321530 | 32.39580383 | 6.479161e+01 |
| ## 219 | 1.969276686 | 1.9746332 | 0.24416621 | 0.36624931 | 0.06104155 | 2.502704e+00 |
| ## 327 | 0.716720375 | 0.6096724 | 0.38647069 | 0.08918554 | 0.01486426 | 6.242988e-01 |
| ## 257 | 13.192303980 | 108.9031269 | 3.05264546 | 18.31587277 | 30.52645462 | 5.800026e+01 |
| ## 227 | 33.629838160 | 296.0682451 | 0.00000000 | 0.00000000 | 0.00000000 | 1.661079e+02 |
| ## 195 | 6.592215052 | 19.5965302 | 0.00000000 | 1.46000337 | 0.73000168 | 2.299505e+01 |
| ## 59 | 10.397903780 | 29.4799000 | 0.00000000 | 2.45553288 | 0.00000000 | 3.806076e+01 |
| ## 497 | 0.134893477 | 0.6284848 | 0.75035669 | 0.83760747 | 0.06980062 | 0.000000e+00 |

| | | | | | | | |
|----|-----|--------------|-------------|-------------|-------------|-------------|--------------|
| ## | 311 | 4.480107313 | 12.9745906 | 0.00000000 | 0.93525392 | 0.00000000 | 1.627342e+01 |
| ## | 363 | 8.203810841 | 34.2777698 | 8.22304662 | 16.44609325 | 2.74101554 | 2.878066e+01 |
| ## | 46 | 0.972340562 | 2.9975359 | 0.61221908 | 3.31154865 | 0.22262512 | 8.070161e-01 |
| ## | 490 | 27.532538160 | 150.6284274 | 0.00000000 | 34.74704208 | 0.00000000 | 1.389882e+02 |
| ## | 286 | 9.476986667 | 52.1714294 | 0.00000000 | 39.11390432 | 13.03796811 | 1.955695e+01 |
| ## | 256 | 4.401006620 | 17.5348138 | 2.05621498 | 3.23119496 | 0.00000000 | 2.085589e+01 |
| ## | 41 | 6.257715099 | 20.5169546 | 0.00000000 | 0.37746908 | 0.37746908 | 2.302561e+01 |
| ## | 462 | 17.836130280 | 103.1432326 | 4.29673954 | 0.00000000 | 0.00000000 | 6.445109e+01 |
| ## | 110 | 17.506551830 | 135.9162492 | 0.00000000 | 26.51313047 | 29.82727178 | 8.285353e+01 |
| ## | 249 | 7.860358778 | 35.9372830 | 0.00000000 | 9.37209101 | 0.00000000 | 2.343023e+01 |
| ## | 185 | 0.611907191 | 46.4061975 | 0.00000000 | 59.39721744 | 6.78825342 | 0.000000e+00 |
| ## | 150 | 15.724536660 | 71.5133770 | 0.00000000 | 8.01697004 | 2.00424251 | 7.816546e+01 |
| ## | 331 | 6.866030871 | 40.4740755 | 0.00000000 | 11.52721199 | 3.39035647 | 3.593778e+01 |
| ## | 271 | 0.521153963 | 1.9803634 | 0.05629151 | 1.54801648 | 0.14072877 | 7.880811e-01 |
| ## | 268 | 30.348897560 | 246.1054995 | 0.00000000 | 57.32549123 | 7.16568640 | 1.934735e+02 |
| ## | 463 | 27.583793310 | 175.4886800 | 0.00000000 | 46.43376609 | 0.00000000 | 1.702571e+02 |
| ## | 495 | 4.595742212 | 13.6059097 | 0.88697558 | 3.25224378 | 0.88697558 | 1.360029e+01 |
| ## | 362 | 6.158435342 | 48.6340510 | 0.00000000 | 41.67442242 | 20.83721121 | 0.000000e+00 |
| ## | 460 | 18.694417240 | 136.3796114 | 0.00000000 | 21.68886950 | 18.59045957 | 1.270348e+02 |
| ## | 330 | 19.701386890 | 69.6364909 | 32.12941501 | 8.03235375 | 12.04853063 | 6.024265e+01 |
| ## | 231 | 18.188909140 | 86.8171965 | 0.00000000 | 0.00000000 | 11.08068877 | 5.540344e+01 |
| ## | 19 | 12.735773390 | 70.9869919 | 8.51537349 | 5.67691566 | 5.67691566 | 7.096145e+01 |
| ## | 142 | 3.808366100 | 40.5505467 | 0.00000000 | 0.00000000 | 40.55054666 | 0.000000e+00 |
| ## | 472 | 0.300058835 | 3.8637153 | 0.99783172 | 4.54567783 | 0.38804567 | 6.652211e-01 |
| ## | 279 | 20.161452010 | 180.3978246 | 0.00000000 | 70.26479106 | 28.10591643 | 8.431775e+01 |
| ## | 295 | 0.278494824 | 1.5482328 | 0.61904551 | 0.90475882 | 0.07142833 | 9.523777e-01 |
| ## | 148 | 0.468029123 | 1.7637563 | 0.53549364 | 1.64405941 | 0.34760113 | 4.509420e-01 |
| ## | 99 | 0.533847088 | 2.2770179 | 0.66379832 | 2.37070829 | 0.00000000 | 1.043112e+00 |
| ## | 373 | 12.863418810 | 66.6905888 | 0.00000000 | 18.46021097 | 0.00000000 | 6.768744e+01 |
| ## | 312 | 4.365054048 | 20.9311333 | 19.45026115 | 0.88410278 | 2.65230834 | 2.121847e+01 |
| ## | 393 | 0.292643579 | 1.0362322 | 0.77688284 | 1.16532426 | 0.25896095 | 0.000000e+00 |
| ## | 173 | 11.199681040 | 60.9445193 | 0.00000000 | 22.22720239 | 0.00000000 | 5.433316e+01 |
| ## | 162 | 18.638131150 | 113.3634885 | 0.00000000 | 7.72678244 | 7.72678244 | 1.043116e+02 |
| ## | 374 | 20.368277660 | 92.0079091 | 7.88312634 | 0.00000000 | 0.00000000 | 1.143053e+02 |
| ## | 76 | 30.064615120 | 209.5847594 | 0.00000000 | 14.62023748 | 7.31011874 | 6.944613e+01 |
| ## | 500 | 14.877037150 | 70.0639689 | 7.50350404 | 7.50350404 | 0.00000000 | 8.629030e+01 |
| ## | 216 | 1.845146182 | 9.3491345 | 0.00000000 | 7.33804091 | 0.28223234 | 4.986105e+00 |
| ## | 411 | 18.477882540 | 172.8550964 | 44.08521722 | 18.24215885 | 9.12107943 | 1.656996e+02 |
| ## | 230 | 3.530207956 | 89.7408936 | 0.00000000 | 74.01588282 | 40.37229972 | 0.000000e+00 |
| ## | 16 | 0.438584104 | 1.7321808 | 0.22906384 | 1.25985114 | 0.49903195 | 4.417660e-01 |
| ## | 222 | 28.931650770 | 242.9155746 | 0.00000000 | 16.18843588 | 0.00000000 | 2.509208e+02 |
| ## | 8 | 26.838703840 | 111.8650344 | 0.00000000 | 41.92842369 | 0.00000000 | 1.257853e+02 |
| ## | 340 | 0.785359548 | 4.8690727 | 0.78510004 | 2.04126010 | 0.11776501 | 2.316045e+00 |
| ## | 22 | 15.947103570 | 98.4301520 | 0.00000000 | 5.27125539 | 2.63562770 | 9.488260e+01 |
| ## | 128 | 17.080489760 | 112.8952981 | 6.38764842 | 38.32589049 | 12.77529683 | 1.022024e+02 |
| ## | 469 | 13.584965730 | 69.4403322 | 4.90017163 | 14.70051489 | 4.90017163 | 4.900172e+01 |
| ## | 109 | 19.960593990 | 125.4375881 | 0.00000000 | 15.67643259 | 26.12738765 | 6.270573e+01 |
| ## | 50 | 1.402983725 | 0.8205866 | 0.38276181 | 0.00000000 | 0.00000000 | 1.148285e+00 |
| ## | 69 | 23.184557230 | 222.9283230 | 0.00000000 | 9.15742372 | 0.00000000 | 2.838801e+02 |
| ## | 403 | 3.487265814 | 5.4258613 | 2.50351188 | 0.00000000 | 0.00000000 | 4.756673e+00 |
| ## | 442 | 15.292105640 | 82.9308578 | 0.00000000 | 28.69579855 | 9.56526619 | 6.695686e+01 |
| ## | 143 | 9.320432428 | 60.6426374 | 5.24597852 | 12.24061655 | 10.49195705 | 5.508277e+01 |
| ## | 168 | 22.082473290 | 103.3626155 | 0.00000000 | 0.00000000 | 23.85291126 | 0.000000e+00 |
| ## | 360 | 7.910876549 | 20.9810928 | 14.51978740 | 0.00000000 | 0.00000000 | 2.419965e+01 |

| | | | | | | |
|--------|--------------|-------------|-------------|--------------|-------------|--------------|
| ## 20 | 9.702840930 | 82.7743883 | 39.71661405 | 49.64576756 | 19.85830702 | 4.468119e+01 |
| ## 440 | 6.465119674 | 31.7644265 | 3.37175135 | 12.64406756 | 0.84293784 | 2.865989e+01 |
| ## 451 | 9.800809553 | 58.8499735 | 1.67275339 | 40.14608143 | 3.34550679 | 3.429144e+01 |
| ## 196 | 0.093083572 | 1.2317300 | 0.81202028 | 1.80739998 | 0.02619420 | 0.000000e+00 |
| ## 27 | 0.120803434 | 1.0024505 | 0.51323744 | 1.12423440 | 0.14663927 | 1.221994e-01 |
| ## 134 | 20.208546380 | 121.8579411 | 18.40317550 | 0.00000000 | 0.00000000 | 1.393383e+02 |
| ## 494 | 11.707771750 | 45.7011277 | 0.00000000 | 7.77577196 | 1.94394299 | 4.762660e+01 |
| ## 205 | 11.716793110 | 90.1976407 | 4.20456084 | 23.35867134 | 15.41672309 | 7.614927e+01 |
| ## 294 | 0.199968825 | 107.9589859 | 0.00000000 | 161.85755010 | 0.00000000 | 0.000000e+00 |
| ## 123 | 23.232756430 | 180.2901910 | 0.00000000 | 16.26470520 | 48.79411560 | 5.286029e+01 |
| ## 253 | 0.529928499 | 1.3902503 | 0.77557938 | 1.91471159 | 0.04847371 | 9.694742e-02 |
| ## 466 | 23.649864050 | 150.4257786 | 0.00000000 | 21.82719883 | 7.27573294 | 1.600661e+02 |
| ## 139 | 10.964986090 | 73.4512982 | 8.92952525 | 8.92952525 | 5.95301683 | 8.334224e+01 |
| ## 95 | 0.279330803 | 1.2857952 | 0.32233822 | 0.96701465 | 0.26264595 | 2.984613e-01 |
| ## 369 | 17.371673480 | 119.0072172 | 0.00000000 | 8.30186377 | 41.50931886 | 3.320746e+01 |
| ## 127 | 2.217893040 | 3.9737243 | 0.00000000 | 2.61451790 | 0.04286095 | 3.214571e+00 |
| ## 484 | 3.712923140 | 10.4943875 | 3.70224633 | 3.70224633 | 0.00000000 | 1.036629e+01 |
| ## 450 | 0.304104126 | 1.6710089 | 0.55673784 | 1.98834942 | 0.07953398 | 3.976699e-01 |
| ## 72 | 19.876654180 | 198.3230238 | 0.00000000 | 93.15650054 | 14.33176931 | 1.074883e+02 |
| ## 204 | 0.910444364 | 2.7307356 | 0.88530900 | 1.99194525 | 0.44265450 | 1.106636e+00 |
| ## 301 | 19.504631560 | 126.0309777 | 0.00000000 | 11.38450080 | 20.49210144 | 1.161219e+02 |
| ## 465 | 11.069136750 | 73.9653847 | 5.28122987 | 17.60409955 | 0.88020498 | 6.689558e+01 |
| ## 339 | 3.069000488 | 5.9395441 | 2.17598191 | 0.48355154 | 0.00000000 | 7.333865e+00 |
| ## 328 | 16.900157020 | 37.0736876 | 0.00000000 | 55.58273995 | 0.00000000 | 0.000000e+00 |
| ## 299 | 27.160388740 | 205.1017591 | 0.00000000 | 0.00000000 | 0.00000000 | 1.308882e+02 |
| ## 349 | 6.908401303 | 40.2968725 | 0.00000000 | 18.46093863 | 3.35653430 | 3.692188e+01 |
| ## 399 | 0.957795292 | 5.9962336 | 1.68955580 | 2.89638138 | 0.12068256 | 4.103207e+00 |
| ## 92 | 16.948998330 | 91.4596521 | 0.00000000 | 21.09795896 | 8.43918359 | 8.439184e+01 |
| ## 467 | 18.211817800 | 138.1214615 | 21.80520888 | 14.53680592 | 43.61041777 | 5.087882e+01 |
| ## 352 | 30.529906070 | 262.6217011 | 0.00000000 | 22.72141610 | 45.44283220 | 1.666237e+02 |
| ## 232 | 13.666775560 | 101.4903472 | 1.17991452 | 20.05854680 | 9.43931614 | 3.303761e+01 |
| ## 13 | 14.667246900 | 58.3279831 | 0.00000000 | 12.60634512 | 0.00000000 | 5.830435e+01 |
| ## 104 | 19.689636230 | 102.8876874 | 0.00000000 | 7.17537398 | 7.17537398 | 1.148060e+02 |
| ## 80 | 0.175116551 | 1.1418408 | 0.86117863 | 1.12773392 | 0.26655529 | 1.845383e-01 |
| ## 131 | 0.905500574 | 1.5962312 | 0.76225893 | 0.18294214 | 0.00000000 | 1.524518e+00 |
| ## 376 | 8.664671029 | 36.4871264 | 2.80547913 | 5.61095826 | 1.87031942 | 4.208219e+01 |
| ## 166 | 0.586474996 | 1.2437435 | 0.08127705 | 1.05058107 | 0.15954383 | 4.665904e-01 |
| ## 478 | 26.589801860 | 267.7967315 | 0.00000000 | 46.99012660 | 12.81548907 | 2.392225e+02 |
| ## 264 | 9.679177793 | 74.9461603 | 0.00000000 | 32.10785720 | 19.26471432 | 5.137257e+01 |
| ## 254 | 8.202822224 | 32.6705237 | 2.02417093 | 6.07251280 | 0.80966837 | 3.562541e+01 |
| ## 129 | 18.173906000 | 102.6878139 | 0.00000000 | 0.00000000 | 0.00000000 | 1.231761e+02 |
| ## 292 | 13.346864450 | 72.5593306 | 14.13034675 | 8.47820805 | 2.82606935 | 6.217353e+01 |
| ## 430 | 4.350232813 | 15.4369962 | 1.32267982 | 1.98401974 | 1.98401974 | 1.521082e+01 |
| ## 130 | 11.144617760 | 65.2574688 | 0.00000000 | 12.35956416 | 2.05992736 | 6.694764e+01 |
| ## 183 | 33.602605060 | 281.0908286 | 0.00000000 | 18.73314419 | 9.36657210 | 2.622640e+02 |
| ## 325 | 20.248876060 | 129.7616101 | 6.94934316 | 17.37335789 | 13.89868631 | 1.042401e+02 |
| ## 280 | 22.331069100 | 124.6746353 | 13.19494483 | 0.00000000 | 0.00000000 | 1.671360e+02 |
| ## 420 | 14.559487320 | 114.0057645 | 0.00000000 | 64.83628421 | 0.00000000 | 8.841311e+01 |
| ## 18 | 24.783184060 | 198.2860687 | 0.00000000 | 14.15924513 | 7.07962256 | 1.557517e+02 |
| ## 74 | 25.444478330 | 177.4144965 | 0.00000000 | 0.00000000 | 28.76836330 | 2.876836e+01 |
| ## 153 | 0.489771266 | 3.0686392 | 0.96297888 | 3.37042607 | 0.21399531 | 7.489836e-01 |
| ## 447 | 20.378961140 | 144.1499556 | 0.00000000 | 0.00000000 | 0.00000000 | 8.444637e+01 |
| ## 172 | 23.959912920 | 147.5178423 | 0.00000000 | 0.00000000 | 55.31919087 | 0.000000e+00 |
| ## 79 | 20.392715020 | 148.7107705 | 0.00000000 | 50.48458882 | 16.82819627 | 1.346256e+02 |

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|----|-----|--------------|-------------|--------------|--------------|-------------|---------------|
| ## | 344 | 5.773488065 | 0.0000000 | 0.00000000 | 0.00000000 | 0.00000000 | 0.000000e+00 |
| ## | 354 | 7.259195365 | 42.2026166 | 0.00000000 | 31.64405147 | 21.09603431 | 0.000000e+00 |
| ## | 225 | 16.820921450 | 141.3575811 | 0.00000000 | 46.14156919 | 11.53539230 | 1.009347e+02 |
| ## | 239 | 18.416205430 | 169.5624271 | 44.22021830 | 132.66065490 | 44.22021830 | 2.211011e+01 |
| ## | 220 | 25.308983960 | 173.2194529 | 0.00000000 | 0.00000000 | 0.00000000 | 3.997065e+01 |
| ## | 94 | 0.526846787 | 4.4132164 | 0.28770744 | 3.74019673 | 0.43156116 | 1.366610e+00 |
| ## | 288 | 37.054251770 | 385.5642370 | 0.00000000 | 0.00000000 | 0.00000000 | 1.779254e+02 |
| ## | 62 | 16.435691280 | 123.2946747 | 0.00000000 | 19.46245851 | 19.46245851 | 7.784983e+01 |
| ## | 251 | 25.716452460 | 192.7766714 | 0.00000000 | 87.26381322 | 0.00000000 | 1.199877e+02 |
| ## | 389 | 35.443886250 | 303.0336754 | 0.00000000 | 9.17963968 | 0.00000000 | 3.075179e+02 |
| ## | 382 | 0.499776864 | 4.3074643 | 1.11111981 | 5.41670908 | 0.55555991 | 2.083350e-01 |
| ## | 246 | 12.281340150 | 42.8401355 | 1.09798640 | 8.78389122 | 2.19597280 | 4.721342e+01 |
| ## | 425 | 13.578423170 | 50.2227349 | 0.00000000 | 14.17420021 | 0.00000000 | 5.315325e+01 |
| ## | 174 | 20.157707140 | 137.5274079 | 0.00000000 | 30.93747929 | 20.62498619 | 5.156247e+01 |
| ## | 296 | 26.739273190 | 155.2963037 | 0.00000000 | 15.52807756 | 0.00000000 | 3.105616e+01 |
| ## | 461 | 26.873151440 | 178.1289103 | 0.00000000 | 29.68073154 | 0.00000000 | 1.038826e+02 |
| ## | 367 | 12.247753480 | 61.5423575 | 0.00000000 | 34.60351841 | 0.00000000 | 4.037077e+01 |
| ## | 48 | 6.369538720 | 26.2093025 | 0.00000000 | 4.62326734 | 0.00000000 | 2.773960e+01 |
| ## | 408 | 1.557716310 | 4.9623178 | 2.79019401 | 1.60647534 | 0.33820533 | 4.312118e+00 |
| ## | 218 | 8.767798994 | 57.3065336 | 2.21277835 | 4.42555670 | 4.42555670 | 5.605705e+01 |
| ## | | D3BP04 | D4A | D4B025 | D4B050 | D4C | D4D |
| ## | 429 | 0.38914440 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## | 297 | 25.11177837 | 482.80 | 0.000000e+00 | 0.0000000000 | 100.00 | 3.138972e+02 |
| ## | 221 | 1.72074315 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## | 83 | 13.10996754 | 779.19 | 0.000000e+00 | 0.0000000000 | 3.67 | 1.603786e+01 |
| ## | 431 | 0.00000000 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## | 284 | 3.33733530 | -99999.00 | 7.882860e-05 | 0.1215535730 | -99999.00 | -9.999900e+04 |
| ## | 159 | 0.00000000 | 105.95 | 1.000000e+00 | 1.0000000000 | 279.00 | 8.779492e+03 |
| ## | 263 | 0.25677961 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## | 435 | 3.30462719 | 437.21 | 0.000000e+00 | 0.0000000000 | 13.67 | 2.258713e+01 |
| ## | 302 | 0.00000000 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## | 485 | 15.84229733 | 616.92 | 0.000000e+00 | 0.0000000000 | 1.33 | 4.214051e+00 |
| ## | 250 | 0.00000000 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## | 410 | 0.00000000 | 281.64 | 0.000000e+00 | 0.0000000000 | 3.67 | 5.155198e+01 |
| ## | 445 | 26.39078597 | 249.45 | 5.693617e-01 | 0.5693616840 | 54.33 | 1.433811e+03 |
| ## | 63 | 10.51022199 | 877.09 | 0.000000e+00 | 0.0000000000 | 1.00 | 2.102044e+00 |
| ## | 247 | 3.21114797 | 529.74 | 0.000000e+00 | 0.0000000000 | 10.00 | 3.211148e+01 |
| ## | 415 | 18.11022375 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## | 194 | 38.56005985 | 299.07 | 0.000000e+00 | 0.0000000000 | 5.33 | 2.055251e+01 |
| ## | 390 | 0.55435199 | -99999.00 | 0.000000e+00 | 0.0000000000 | 1.33 | 8.192091e-02 |
| ## | 191 | 7.67555062 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## | 477 | 3.47020002 | 777.85 | 0.000000e+00 | 0.0000000000 | 10.00 | 1.735100e+01 |
| ## | 468 | 62.59623744 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## | 70 | 41.57757455 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## | 229 | 34.78977346 | 207.87 | 0.000000e+00 | 0.0000000000 | 8.00 | 3.092424e+01 |
| ## | 97 | 18.51879709 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## | 112 | 40.92182354 | 238.72 | 0.000000e+00 | 0.0000000000 | 3.33 | 3.406742e+01 |
| ## | 458 | 0.23021397 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## | 126 | 13.93298573 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## | 434 | 30.31947002 | 789.92 | 0.000000e+00 | 0.0000000000 | 3.00 | 1.136980e+01 |
| ## | 372 | 0.17577162 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## | 171 | 0.00000000 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## | 455 | 2.63887189 | -99999.00 | 0.000000e+00 | 0.0000000000 | 9.33 | 3.077584e+00 |
| ## | 432 | 23.20368029 | 736.27 | 0.000000e+00 | 0.0000000000 | 7.00 | 2.320368e+01 |

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|--------|-------------|-----------|--------------|--------------|-----------|---------------|
| ## 437 | 29.72484353 | 261.52 | 0.000000e+00 | 0.0000000000 | 4.00 | 2.972484e+01 |
| ## 215 | 12.83656549 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 441 | 25.53120018 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 213 | 32.65821329 | 474.76 | 0.000000e+00 | 0.0000000000 | 1.00 | 3.265821e+00 |
| ## 118 | 14.50081550 | 547.18 | 0.000000e+00 | 0.0000000000 | 4.33 | 8.969790e+00 |
| ## 456 | 0.00000000 | 352.71 | 0.000000e+00 | 0.0000000000 | 4.67 | 2.319725e+02 |
| ## 58 | 0.59142026 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 379 | 44.95231520 | 183.73 | 0.000000e+00 | 0.0000000000 | 6.00 | 5.394278e+01 |
| ## 407 | 4.61485265 | 681.29 | 5.512890e-07 | 0.2910939700 | 5.00 | 2.307426e+01 |
| ## 422 | 5.37612402 | 806.01 | 0.000000e+00 | 0.0000000000 | 4.00 | 2.150450e+01 |
| ## 351 | 28.29126963 | 458.66 | 0.000000e+00 | 0.0000000000 | 6.00 | 2.121845e+01 |
| ## 452 | 8.96711830 | 1109.11 | 0.000000e+00 | 0.0000000000 | 1.00 | 1.120890e+00 |
| ## 366 | 19.84647610 | 779.19 | 0.000000e+00 | 0.0000000000 | 4.00 | 1.323098e+01 |
| ## 397 | 2.10076383 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 201 | 0.44074986 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 10 | 35.33905145 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 480 | 0.00000000 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 446 | 4.99776073 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 82 | 21.16426002 | 1090.33 | 3.291631e-02 | 0.4078754320 | 3.67 | 8.630315e+00 |
| ## 151 | 17.46513450 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 236 | 0.69984799 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 237 | 98.27153272 | 0.00 | 8.506616e-01 | 0.9371130520 | 27.00 | 2.412119e+02 |
| ## 479 | 0.52583855 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 383 | 0.04670683 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 75 | 16.83656473 | 112.65 | 0.000000e+00 | 0.0000000000 | 2.33 | 3.269100e+00 |
| ## 350 | 0.04609693 | -99999.00 | 0.000000e+00 | 0.0000000000 | 2.00 | 9.219386e-02 |
| ## 310 | 41.19213148 | 191.78 | 0.000000e+00 | 0.0000000000 | 2.33 | 1.599628e+01 |
| ## 475 | 65.51364494 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 101 | 8.15266473 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 65 | 0.17344637 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 291 | 4.82191479 | -99999.00 | 0.000000e+00 | 0.0000000000 | 2.33 | 2.808765e+00 |
| ## 199 | 0.38182393 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 436 | 23.08997909 | 501.58 | 0.000000e+00 | 0.0000000000 | 0.67 | 3.094057e+00 |
| ## 387 | 16.57946816 | 505.60 | 0.000000e+00 | 0.0000000000 | 3.67 | 1.521166e+01 |
| ## 100 | 17.02852284 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 334 | 0.00000000 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 439 | 66.51031063 | 887.82 | 0.000000e+00 | 0.0000000000 | 4.33 | 2.618088e+01 |
| ## 87 | 50.43257063 | 329.92 | 0.000000e+00 | 0.0000000000 | 5.00 | 2.101357e+01 |
| ## 333 | 21.06617852 | 474.76 | 2.704502e-01 | 0.9315889530 | 10.33 | 5.440341e+01 |
| ## 184 | 13.09788155 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 186 | 50.12738750 | 300.41 | 0.000000e+00 | 0.0000000000 | 17.00 | 2.130414e+02 |
| ## 49 | 0.12675944 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 357 | 98.08471179 | 324.55 | 0.000000e+00 | 0.0000000000 | 2.00 | 3.923388e+01 |
| ## 224 | 21.31519209 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 486 | 0.00000000 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 164 | 6.54277999 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 226 | 8.56742686 | 574.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 404 | 21.81466709 | 433.18 | 0.000000e+00 | 0.0000000000 | 3.33 | 1.816071e+01 |
| ## 272 | 41.77078501 | 729.57 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 238 | 0.00000000 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 140 | 0.08881473 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 31 | 3.12514949 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 313 | 0.08322295 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 359 | 0.80971235 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |

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|--------|--------------|-----------|--------------|---------------|-----------|---------------|
| ## 181 | 0.00000000 | -99999.00 | 0.000000e+00 | 0.00000000000 | -99999.00 | -9.999900e+04 |
| ## 90 | 169.56101580 | 516.33 | 1.757010e-01 | 0.9840843440 | 61.67 | 1.161870e+03 |
| ## 444 | 82.34911981 | -99999.00 | 0.000000e+00 | 0.00000000000 | -99999.00 | -9.999900e+04 |
| ## 85 | 0.34983876 | -99999.00 | 0.000000e+00 | 0.00000000000 | -99999.00 | -9.999900e+04 |
| ## 187 | 4.26853487 | -99999.00 | 0.000000e+00 | 0.00000000000 | -99999.00 | -9.999900e+04 |
| ## 30 | 15.13361150 | -99999.00 | 0.000000e+00 | 0.00000000000 | -99999.00 | -9.999900e+04 |
| ## 304 | 1.03888555 | 960.24 | 0.000000e+00 | 0.00000000000 | 2.00 | 2.077771e+00 |
| ## 202 | 1.45293260 | -99999.00 | 0.000000e+00 | 0.00000000000 | -99999.00 | -9.999900e+04 |
| ## 37 | 0.02390231 | -99999.00 | 0.000000e+00 | 0.00000000000 | -99999.00 | -9.999900e+04 |
| ## 287 | 58.37951912 | -99999.00 | 0.000000e+00 | 0.00000000000 | -99999.00 | -9.999900e+04 |
| ## 471 | 7.65947708 | -99999.00 | 0.000000e+00 | 0.00000000000 | -99999.00 | -9.999900e+04 |
| ## 314 | 5.57252640 | 1097.04 | 0.000000e+00 | 0.00000000000 | 0.67 | 7.467185e-01 |
| ## 36 | 18.09562231 | 223.97 | 0.000000e+00 | 0.00000000000 | 4.00 | 7.238249e+01 |
| ## 5 | 0.05256074 | -99999.00 | 0.000000e+00 | 0.00000000000 | -99999.00 | -9.999900e+04 |
| ## 108 | 1.81256162 | -99999.00 | 0.000000e+00 | 0.00000000000 | -99999.00 | -9.999900e+04 |
| ## 47 | 0.84239486 | 291.02 | 0.000000e+00 | 0.00000000000 | 2.00 | 8.423949e-01 |
| ## 89 | 79.30204732 | 350.03 | 0.000000e+00 | 0.00000000000 | 9.67 | 1.278085e+02 |
| ## 454 | 0.89320851 | -99999.00 | 0.000000e+00 | 0.00000000000 | -99999.00 | -9.999900e+04 |
| ## 336 | 94.95835468 | -99999.00 | 0.000000e+00 | 0.00000000000 | -99999.00 | -9.999900e+04 |
| ## 252 | 0.38017978 | -99999.00 | 0.000000e+00 | 0.00000000000 | -99999.00 | -9.999900e+04 |
| ## 464 | 68.13642879 | 205.19 | 1.644771e-01 | 0.9591742800 | 21.33 | 1.816688e+02 |
| ## 212 | 0.89456450 | -99999.00 | 0.000000e+00 | 0.00000000000 | -99999.00 | -9.999900e+04 |
| ## 233 | 18.15432252 | 171.66 | 0.000000e+00 | 0.00000000000 | 6.00 | 2.178519e+01 |
| ## 428 | 39.22244752 | 287.00 | 0.000000e+00 | 0.00000000000 | 7.00 | 6.863928e+01 |
| ## 154 | 0.00000000 | -99999.00 | 0.000000e+00 | 0.00000000000 | -99999.00 | -9.999900e+04 |
| ## 40 | 63.17123969 | 785.90 | 1.756715e-01 | 0.6564480400 | 11.00 | 2.895348e+01 |
| ## 356 | 0.00000000 | -99999.00 | 0.000000e+00 | 0.00000000000 | 0.67 | 3.795687e-02 |
| ## 473 | 39.70816558 | 144.84 | 0.000000e+00 | 0.00000000000 | -99999.00 | -9.999900e+04 |
| ## 133 | 35.11159058 | 0.00 | 6.944238e-02 | 0.2107774030 | 47.67 | 6.974040e+01 |
| ## 152 | 20.77886943 | 317.85 | 0.000000e+00 | 0.6476805750 | 10.33 | 1.073229e+02 |
| ## 4 | 0.00000000 | -99999.00 | 0.000000e+00 | 0.00000000000 | -99999.00 | -9.999900e+04 |
| ## 56 | 4.47284198 | -99999.00 | 0.000000e+00 | 0.00000000000 | -99999.00 | -9.999900e+04 |
| ## 384 | 12.76664800 | -99999.00 | 0.000000e+00 | 0.00000000000 | 1.00 | 9.820498e-01 |
| ## 145 | 0.00000000 | -99999.00 | 0.000000e+00 | 0.00000000000 | -99999.00 | -9.999900e+04 |
| ## 234 | 8.91592638 | -99999.00 | 0.000000e+00 | 0.00000000000 | -99999.00 | -9.999900e+04 |
| ## 361 | 176.02486390 | 266.88 | 0.000000e+00 | 0.00000000000 | 23.67 | 3.472090e+02 |
| ## 348 | 3.51447425 | -99999.00 | 0.000000e+00 | 0.00000000000 | -99999.00 | -9.999900e+04 |
| ## 197 | 0.87055375 | -99999.00 | 0.000000e+00 | 0.00000000000 | 1.00 | 8.705537e-01 |
| ## 136 | 0.00000000 | 451.96 | 0.000000e+00 | 0.00000000000 | 1.00 | 1.161658e+01 |
| ## 192 | 72.18558350 | 42.92 | 0.000000e+00 | 0.00000000000 | 8.00 | 4.124890e+01 |
| ## 258 | 0.01209969 | -99999.00 | 0.000000e+00 | 0.00000000000 | -99999.00 | -9.999900e+04 |
| ## 61 | 37.86888353 | 1184.21 | 0.000000e+00 | 0.0010781020 | 2.00 | 4.455163e+00 |
| ## 240 | 49.21356896 | 114.00 | 0.000000e+00 | 0.5970243850 | 15.33 | 2.514813e+02 |
| ## 293 | 27.18693073 | -99999.00 | 0.000000e+00 | 0.00000000000 | -99999.00 | -9.999900e+04 |
| ## 255 | 0.00000000 | -99999.00 | 0.000000e+00 | 0.00000000000 | -99999.00 | -9.999900e+04 |
| ## 245 | 3.18466499 | 0.00 | 0.000000e+00 | 0.00000000000 | 1.00 | 1.061555e+00 |
| ## 77 | 38.32254476 | 1101.06 | 0.000000e+00 | 0.00000000000 | 2.67 | 6.821413e+00 |
| ## 156 | 4.75127157 | -99999.00 | 0.000000e+00 | 0.00000000000 | -99999.00 | -9.999900e+04 |
| ## 43 | 0.00000000 | 413.06 | 0.000000e+00 | 0.00000000000 | 2.00 | 1.226219e+01 |
| ## 474 | 0.43553135 | -99999.00 | 0.000000e+00 | 0.00000000000 | -99999.00 | -9.999900e+04 |
| ## 449 | 2.41747658 | -99999.00 | 0.000000e+00 | 0.00000000000 | -99999.00 | -9.999900e+04 |
| ## 214 | 28.76235143 | -99999.00 | 0.000000e+00 | 0.00000000000 | -99999.00 | -9.999900e+04 |
| ## 91 | 38.64853590 | 363.44 | 0.000000e+00 | 0.00000000000 | 12.67 | 1.632257e+02 |
| ## 285 | 0.34907462 | -99999.00 | 0.000000e+00 | 0.00000000000 | -99999.00 | -9.999900e+04 |

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| ## 364 | 39.62215064 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 178 | 0.00000000 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 93 | 9.31012618 | 761.76 | 0.000000e+00 | 0.0000000000 | 3.33 | 1.550136e+01 |
| ## 84 | 78.14755805 | 164.96 | 0.000000e+00 | 0.0575950920 | 15.33 | 5.990010e+02 |
| ## 146 | 3.16057715 | 1001.82 | 0.000000e+00 | 0.0000000000 | 3.33 | 3.508241e+00 |
| ## 64 | 8.52932245 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 326 | 30.18713976 | 486.83 | 0.000000e+00 | 0.0000000000 | 6.00 | 3.622457e+01 |
| ## 273 | 0.17992945 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 355 | 4.98248373 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 228 | 1.35468474 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 117 | 5.56906901 | -99999.00 | 0.000000e+00 | 0.0000000000 | 14.33 | 1.995119e+01 |
| ## 29 | 0.48417140 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 45 | 26.75324958 | 443.91 | 0.000000e+00 | 0.0000000000 | 4.33 | 3.861386e+01 |
| ## 176 | 5.15675472 | 958.90 | 0.000000e+00 | 0.0000000000 | 0.67 | 5.758376e-01 |
| ## 198 | 181.47450870 | 309.80 | 0.000000e+00 | 0.0000000000 | 2.33 | 2.349087e+01 |
| ## 488 | 0.25350289 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 35 | 1.09596466 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 54 | 0.00000000 | -99999.00 | 0.000000e+00 | 0.0000000000 | 7.33 | 8.190173e+00 |
| ## 208 | 5.42485866 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 402 | 0.02438376 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 417 | 272.08532460 | 197.14 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 345 | 10.40638020 | -99999.00 | 0.000000e+00 | 0.0000000000 | 17.67 | 9.677934e+00 |
| ## 60 | 21.18775807 | 431.84 | 0.000000e+00 | 0.0000000000 | 3.00 | 6.356327e+00 |
| ## 105 | 17.88074999 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 283 | 17.51086055 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 210 | 1.89814155 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 207 | 0.00000000 | 447.93 | 0.000000e+00 | 0.0000000000 | 19.00 | 4.195119e+02 |
| ## 487 | 139.76462750 | 391.61 | 0.000000e+00 | 0.0000000000 | 7.33 | 5.391972e+01 |
| ## 33 | 14.71692415 | 1097.04 | 0.000000e+00 | 0.0000000000 | 2.67 | 1.122691e+00 |
| ## 267 | 56.25054990 | 637.03 | 0.000000e+00 | 0.0000000000 | 4.00 | 1.607159e+01 |
| ## 163 | 1.37462107 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 81 | 63.23225440 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 223 | 12.75193007 | 114.00 | 8.789199e-01 | 0.8916630900 | 73.33 | 9.350990e+02 |
| ## 386 | 0.00000000 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 343 | 18.33221448 | 158.25 | 0.000000e+00 | 0.0000000000 | 15.00 | 3.055369e+01 |
| ## 137 | 0.00000000 | 189.10 | 1.000000e+00 | 1.0000000000 | 201.00 | 1.319308e+04 |
| ## 483 | 21.03845761 | 151.55 | 0.000000e+00 | 0.0000000000 | 14.33 | 3.014811e+02 |
| ## 71 | 0.37295517 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 358 | 6.03658602 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 323 | 82.18047982 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 385 | 0.37886667 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 261 | 1.13629642 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 17 | 0.00000000 | 490.85 | 0.000000e+00 | 0.0000000000 | 1.00 | 4.863504e+00 |
| ## 275 | 0.00000000 | 139.48 | 2.899233e-02 | 0.5803815700 | 9.00 | 9.908189e+01 |
| ## 338 | 32.74099369 | 578.02 | 0.000000e+00 | 0.0000000000 | 9.00 | 2.455575e+01 |
| ## 315 | 0.95460828 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 189 | 62.32335842 | 261.52 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 243 | 11.45632877 | 710.79 | 5.423335e-02 | 0.4659054180 | 13.00 | 2.978645e+01 |
| ## 179 | 155.88591730 | 122.04 | 1.000651e-01 | 1.0000000000 | 15.67 | 8.142441e+02 |
| ## 107 | 85.16770423 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 305 | 78.56198200 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 248 | 3.70588169 | -99999.00 | 0.000000e+00 | 0.0000000000 | 1.67 | 1.672655e-01 |
| ## 419 | 38.13024444 | 434.52 | 0.000000e+00 | 0.0000000000 | 6.00 | 5.719537e+01 |
| ## 395 | 91.36765205 | 248.11 | 1.000000e+00 | 1.0000000000 | 120.33 | 5.497135e+03 |

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| ## 496 | 0.00000000 | -99999.00 | 0.000000e+00 | 0.00000000000 | -99999.00 | -9.999900e+04 |
| ## 86 | 55.78128333 | -99999.00 | 0.000000e+00 | 0.00000000000 | -99999.00 | -9.999900e+04 |
| ## 438 | 6.89411858 | 773.83 | 0.000000e+00 | 0.00000000000 | 2.00 | 6.894119e+00 |
| ## 282 | 0.20906891 | -99999.00 | 0.000000e+00 | 0.00000000000 | -99999.00 | -9.999900e+04 |
| ## 23 | 1.51759947 | -99999.00 | 0.000000e+00 | 0.00000000000 | 6.67 | 1.012239e+01 |
| ## 321 | 9.73205197 | 594.12 | 0.000000e+00 | 0.00000000000 | 1.33 | 6.471815e+00 |
| ## 406 | 0.00000000 | -99999.00 | 0.000000e+00 | 0.00000000000 | -99999.00 | -9.999900e+04 |
| ## 51 | 59.80770690 | 524.38 | 0.000000e+00 | 0.00000000000 | 3.00 | 1.196154e+01 |
| ## 55 | 16.91574742 | -99999.00 | 0.000000e+00 | 0.00000000000 | -99999.00 | -9.999900e+04 |
| ## 106 | 1.45810676 | -99999.00 | 0.000000e+00 | 0.00000000000 | -99999.00 | -9.999900e+04 |
| ## 427 | 91.62857319 | -99999.00 | 0.000000e+00 | 0.00000000000 | -99999.00 | -9.999900e+04 |
| ## 290 | 16.04105272 | -99999.00 | 0.000000e+00 | 0.00000000000 | -99999.00 | -9.999900e+04 |
| ## 324 | 31.40589931 | 222.63 | 0.000000e+00 | 0.00000000000 | 18.00 | 2.826531e+02 |
| ## 15 | 123.92913270 | 309.80 | 0.000000e+00 | 0.00000000000 | 2.00 | 4.957165e+01 |
| ## 303 | 52.42262263 | 313.82 | 0.000000e+00 | 0.00000000000 | 23.33 | 4.076733e+02 |
| ## 169 | 88.51581889 | -99999.00 | 0.000000e+00 | 0.00000000000 | -99999.00 | -9.999900e+04 |
| ## 116 | 5.39049652 | -99999.00 | 0.000000e+00 | 0.00000000000 | -99999.00 | -9.999900e+04 |
| ## 102 | 0.17813319 | -99999.00 | 0.000000e+00 | 0.00000000000 | -99999.00 | -9.999900e+04 |
| ## 262 | 5.04553612 | -99999.00 | 0.000000e+00 | 0.00000000000 | 9.33 | 6.724979e+00 |
| ## 448 | 2.44652090 | -99999.00 | 0.000000e+00 | 0.00000000000 | -99999.00 | -9.999900e+04 |
| ## 380 | 3.87530256 | -99999.00 | 0.000000e+00 | 0.00000000000 | -99999.00 | -9.999900e+04 |
| ## 418 | 16.82322290 | -99999.00 | 0.000000e+00 | 0.00000000000 | -99999.00 | -9.999900e+04 |
| ## 489 | 11.46737980 | -99999.00 | 0.000000e+00 | 0.00000000000 | -99999.00 | -9.999900e+04 |
| ## 235 | 0.79729347 | -99999.00 | 0.000000e+00 | 0.00000000000 | -99999.00 | -9.999900e+04 |
| ## 457 | 79.23993736 | 296.39 | 0.000000e+00 | 0.00000000000 | 5.00 | 3.961997e+01 |
| ## 244 | 16.91888557 | -99999.00 | 0.000000e+00 | 0.00000000000 | -99999.00 | -9.999900e+04 |
| ## 25 | 0.20506046 | -99999.00 | 0.000000e+00 | 0.00000000000 | -99999.00 | -9.999900e+04 |
| ## 281 | 73.94784835 | 270.91 | 0.000000e+00 | 0.00000000000 | -99999.00 | -9.999900e+04 |
| ## 119 | 8.47129871 | 496.21 | 0.000000e+00 | 0.00000000000 | 2.00 | 8.471299e+00 |
| ## 400 | 0.00000000 | -99999.00 | 0.000000e+00 | 0.00000000000 | -99999.00 | -9.999900e+04 |
| ## 481 | 10.38361537 | -99999.00 | 0.000000e+00 | 0.00000000000 | -99999.00 | -9.999900e+04 |
| ## 180 | 0.00000000 | 167.64 | 0.000000e+00 | 1.00000000000 | 40.67 | 4.261038e+03 |
| ## 482 | 7.40640782 | 525.72 | 5.289702e-02 | 0.2254865520 | 11.00 | 1.629410e+01 |
| ## 319 | 13.26935046 | 143.50 | 0.000000e+00 | 0.00000000000 | 8.33 | 1.105337e+02 |
| ## 38 | 6.18773730 | -99999.00 | 0.000000e+00 | 0.00000000000 | 2.67 | 1.501933e+00 |
| ## 388 | 14.84831443 | 1039.37 | 0.000000e+00 | 0.00000000000 | 8.67 | 1.839070e+01 |
| ## 309 | 0.00000000 | -99999.00 | 0.000000e+00 | 0.00000000000 | -99999.00 | -9.999900e+04 |
| ## 78 | 1.01930712 | -99999.00 | 0.000000e+00 | 0.00000000000 | -99999.00 | -9.999900e+04 |
| ## 7 | 9.55694547 | 714.82 | 6.060112e-02 | 0.3323365120 | 7.00 | 1.672465e+01 |
| ## 12 | 3.74668846 | -99999.00 | 0.000000e+00 | 0.00000000000 | -99999.00 | -9.999900e+04 |
| ## 211 | 0.00000000 | -99999.00 | 0.000000e+00 | 0.00000000000 | -99999.00 | -9.999900e+04 |
| ## 167 | 0.00000000 | -99999.00 | 0.000000e+00 | 0.00000000000 | 3.67 | 6.287226e-01 |
| ## 377 | 42.06803074 | 427.82 | 0.000000e+00 | 0.00000000000 | 4.67 | 1.964577e+01 |
| ## 332 | 10.19844434 | -99999.00 | 0.000000e+00 | 0.00000000000 | -99999.00 | -9.999900e+04 |
| ## 144 | 7.18955095 | 240.06 | 0.000000e+00 | 0.00000000000 | 5.00 | 3.994195e+00 |
| ## 260 | 8.42794521 | 856.98 | 0.000000e+00 | 0.00000000000 | 4.67 | 9.839626e+00 |
| ## 453 | 103.08840040 | 56.33 | 4.421636e-01 | 0.8552725160 | 16.00 | 8.247072e+02 |
| ## 491 | 39.15994742 | 1114.47 | 0.000000e+00 | 0.00000000000 | -99999.00 | -9.999900e+04 |
| ## 52 | 12.76794737 | -99999.00 | 0.000000e+00 | 0.00000000000 | -99999.00 | -9.999900e+04 |
| ## 206 | 87.22083553 | 634.35 | 0.000000e+00 | 0.00000000000 | 1.00 | 1.090260e+01 |
| ## 160 | 11.62039434 | 443.91 | 0.000000e+00 | 0.00000000000 | 6.00 | 1.162039e+01 |
| ## 277 | 2.33101240 | -99999.00 | 0.000000e+00 | 0.00000000000 | -99999.00 | -9.999900e+04 |
| ## 88 | 58.73573460 | 256.15 | 7.840614e-03 | 0.7176677610 | 34.67 | 2.909097e+02 |
| ## 1 | 88.79248559 | -99999.00 | 0.000000e+00 | 0.00000000000 | -99999.00 | -9.999900e+04 |

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| ## 426 | 5.68426017 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 353 | 1.87155648 | 119.36 | 0.000000e+00 | 0.0000000000 | 1.00 | 6.238522e-01 |
| ## 157 | 18.08264576 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 368 | 6.96494733 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 365 | 71.77521488 | 105.95 | 8.549050e-01 | 1.0000000000 | 178.00 | 6.387994e+03 |
| ## 57 | 3.94418318 | 258.84 | 0.000000e+00 | 0.0000000000 | 2.67 | 5.265485e+00 |
| ## 493 | 0.00000000 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 259 | 0.57258356 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 265 | 1.37968763 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 307 | 2.37320189 | -99999.00 | 0.000000e+00 | 0.0000000000 | 2.33 | 6.143956e-01 |
| ## 170 | 40.73458759 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 121 | 6.76053252 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 276 | 0.00000000 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 394 | 11.36779684 | 451.96 | 0.000000e+00 | 0.0000000000 | 10.00 | 5.683898e+01 |
| ## 32 | 29.96480468 | 898.55 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 2 | 0.00000000 | 241.40 | 0.000000e+00 | 0.0000000000 | 12.00 | 3.887496e+02 |
| ## 219 | 0.00000000 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 327 | 0.11891406 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 257 | 27.47380916 | 343.33 | 0.000000e+00 | 0.2604943230 | 50.33 | 1.536396e+02 |
| ## 227 | 185.27424600 | 598.14 | 0.000000e+00 | 0.0000000000 | 4.33 | 2.766336e+01 |
| ## 195 | 2.55500590 | 1161.41 | 0.000000e+00 | 0.0000000000 | 1.67 | 6.095514e-01 |
| ## 59 | 2.45553288 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 497 | 0.00000000 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 311 | 1.49640628 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 363 | 1.37050777 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 46 | 0.02782814 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 490 | 34.74704208 | 213.24 | 0.000000e+00 | 0.0000000000 | 16.33 | 5.674192e+02 |
| ## 286 | 0.00000000 | 340.64 | 0.000000e+00 | 0.0981085670 | 35.00 | 2.281644e+02 |
| ## 256 | 1.46872498 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 41 | 4.52962902 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 462 | 60.15435353 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 110 | 33.14141308 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 249 | 14.05813651 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 185 | 0.00000000 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 150 | 12.02545507 | 244.08 | 0.000000e+00 | 0.0000000000 | 12.00 | 2.405091e+01 |
| ## 331 | 5.42457035 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 271 | 0.28145754 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 268 | 71.65686404 | 372.83 | 0.000000e+00 | 0.0000000000 | 6.67 | 4.779513e+01 |
| ## 463 | 30.95584406 | 367.47 | 0.000000e+00 | 0.0000000000 | 6.67 | 1.032377e+02 |
| ## 495 | 1.47829263 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 362 | 0.00000000 | 175.69 | 0.000000e+00 | 0.0000000000 | 21.00 | 4.375814e+02 |
| ## 460 | 18.59045957 | 72.42 | 0.000000e+00 | 0.0000000000 | 4.33 | 6.708057e+00 |
| ## 330 | 12.04853063 | 127.41 | 0.000000e+00 | 0.0000000000 | 12.00 | 4.819412e+01 |
| ## 231 | 38.78241070 | 388.92 | 0.000000e+00 | 0.0000000000 | 2.00 | 1.108069e+01 |
| ## 19 | 14.19228915 | 375.51 | 0.000000e+00 | 0.0000000000 | 5.00 | 1.419229e+01 |
| ## 142 | 0.00000000 | 143.50 | 0.000000e+00 | 1.0000000000 | 23.67 | 9.598314e+02 |
| ## 472 | 0.00000000 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 279 | 49.18535375 | 101.93 | 0.000000e+00 | 0.5447911860 | 57.00 | 4.005093e+02 |
| ## 295 | 0.23809442 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 148 | 0.01878925 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 99 | 0.00000000 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 373 | 9.23010548 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 312 | 3.53641112 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 393 | 0.00000000 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |

| | | | | | | |
|--------|--------------|-----------|--------------|--------------|-----------|---------------|
| ## 173 | 9.87875662 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 162 | 30.90712975 | 501.58 | 0.000000e+00 | 0.0000000000 | 1.67 | 6.451863e+00 |
| ## 374 | 15.76625268 | 667.88 | 0.000000e+00 | 0.0000000000 | 2.00 | 7.883126e+00 |
| ## 76 | 146.20237480 | 364.78 | 3.860181e-01 | 0.9227328620 | 3.33 | 1.217135e+01 |
| ## 500 | 7.50350404 | 619.60 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 216 | 0.84669703 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 411 | 41.04485742 | 748.34 | 0.000000e+00 | 0.0000000000 | 16.00 | 2.432288e+01 |
| ## 230 | 0.00000000 | 409.04 | 0.000000e+00 | 0.0000000000 | 7.33 | 2.466075e+01 |
| ## 16 | 0.09817022 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 222 | 64.75374353 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 8 | 0.00000000 | 480.12 | 3.911142e-01 | 1.0000000000 | 86.33 | 3.619681e+03 |
| ## 340 | 1.84498509 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 22 | 28.99190467 | 1020.59 | 0.000000e+00 | 0.0000000000 | 2.33 | 6.141013e+00 |
| ## 128 | 6.38764842 | 685.31 | 0.000000e+00 | 0.0000000000 | 8.00 | 2.555059e+01 |
| ## 469 | 22.05077233 | 1117.15 | 0.000000e+00 | 0.0000000000 | 1.00 | 2.450086e+00 |
| ## 109 | 47.02929778 | 433.18 | 1.903788e-01 | 0.5270398770 | 51.33 | 2.682238e+02 |
| ## 50 | 0.05468026 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 69 | 27.47227116 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 403 | 2.25316069 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 442 | 9.56526619 | 563.27 | 0.000000e+00 | 0.0000000000 | 1.00 | 4.782633e+00 |
| ## 143 | 5.24597852 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 168 | 79.50970420 | 351.37 | 0.000000e+00 | 0.0000000000 | 6.67 | 5.303297e+01 |
| ## 360 | 4.83992913 | 274.93 | 0.000000e+00 | 0.0000000000 | 1.67 | 8.082682e+00 |
| ## 20 | 0.00000000 | 501.58 | 0.000000e+00 | 0.1732343420 | 14.67 | 7.283034e+01 |
| ## 440 | 3.37175135 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 451 | 5.85463687 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 196 | 0.00000000 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 27 | 0.02443988 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 134 | 28.91927578 | 738.96 | 0.000000e+00 | 0.0000000000 | 0.67 | 1.761447e+00 |
| ## 494 | 6.80380046 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 205 | 8.40912168 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 294 | 0.00000000 | 468.05 | 4.898225e-01 | 0.9959320840 | 78.00 | 6.312444e+03 |
| ## 123 | 85.38970230 | 280.29 | 0.000000e+00 | 0.0000000000 | 3.67 | 1.492287e+01 |
| ## 253 | 0.00000000 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 466 | 21.82719883 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 139 | 5.95301683 | 559.25 | 0.000000e+00 | 0.0000000000 | 19.67 | 5.854792e+01 |
| ## 95 | 0.17907679 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 369 | 49.81118264 | 0.00 | 0.000000e+00 | 0.0000000000 | 5.00 | 2.075466e+01 |
| ## 127 | 0.04286095 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 484 | 1.11067390 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 450 | 0.00000000 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 72 | 50.16119260 | 303.09 | 0.000000e+00 | 0.0000000000 | 18.67 | 1.337871e+02 |
| ## 204 | 0.22132725 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 301 | 20.49210144 | 1052.78 | 0.000000e+00 | 0.0000000000 | 1.33 | 3.028277e+00 |
| ## 465 | 16.72389458 | -99999.00 | 0.000000e+00 | 0.0000000000 | 13.33 | 1.173313e+01 |
| ## 339 | 0.72532730 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 328 | 0.00000000 | 272.25 | 1.611753e-01 | 1.0000000000 | 98.00 | 5.447109e+03 |
| ## 299 | 117.79935110 | 148.86 | 0.000000e+00 | 0.0000000000 | 13.67 | 4.473103e+01 |
| ## 349 | 0.00000000 | -99999.00 | 0.000000e+00 | 0.0000000000 | 2.00 | 3.356534e+00 |
| ## 399 | 1.20682558 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |
| ## 92 | 12.65877538 | 502.92 | 0.000000e+00 | 0.0000000000 | 3.33 | 1.405124e+01 |
| ## 467 | 50.87882073 | 285.66 | 0.000000e+00 | 0.0000000000 | 6.33 | 4.600899e+01 |
| ## 352 | 90.88566440 | 453.30 | 0.000000e+00 | 0.0000000000 | 6.33 | 4.794219e+01 |
| ## 232 | 56.63589684 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 |

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|--------|---------------|-----------|--------------|--------------|-----------|---------------|-------------|
| ## 13 | 11.03055198 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 | |
| ## 104 | 14.35074795 | 451.96 | 0.000000e+00 | 0.0000000000 | 5.67 | 2.034219e+01 | |
| ## 80 | 0.00000000 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 | |
| ## 131 | 0.45735536 | -99999.00 | 0.000000e+00 | 0.0000000000 | 1.67 | 5.091890e-02 | |
| ## 376 | 2.80547913 | 1099.72 | 0.000000e+00 | 0.0000437009 | 13.33 | 1.246568e+01 | |
| ## 166 | 0.07224626 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 | |
| ## 478 | 64.07744537 | 622.28 | 0.000000e+00 | 0.0000000000 | 1.00 | 4.271830e+00 | |
| ## 264 | 0.00000000 | 126.07 | 0.000000e+00 | 0.0000000000 | 3.33 | 2.138383e+01 | |
| ## 254 | 4.04834187 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 | |
| ## 129 | 20.52935105 | 402.34 | 0.000000e+00 | 0.1718559520 | 4.33 | 4.444605e+01 | |
| ## 292 | 22.60855480 | 752.37 | 0.000000e+00 | 0.0000000000 | 23.00 | 3.249980e+01 | |
| ## 430 | 1.98401974 | 783.21 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 | |
| ## 130 | 10.29963680 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 | |
| ## 183 | 84.29914888 | 486.83 | 4.339012e-01 | 0.7540686600 | 35.00 | 3.278300e+02 | |
| ## 325 | 34.74671577 | 293.71 | 0.000000e+00 | 0.0000000000 | 7.67 | 2.665073e+01 | |
| ## 280 | 13.19494483 | 364.78 | 0.000000e+00 | 0.0000000000 | 7.67 | 3.373508e+01 | |
| ## 420 | 11.78841531 | 99.24 | 2.337700e-01 | 0.7809481500 | 12.00 | 7.073049e+01 | |
| ## 18 | 77.87584819 | 135.45 | 0.000000e+00 | 0.0000000000 | 29.67 | 2.100524e+02 | |
| ## 74 | 129.45763490 | 213.24 | 0.000000e+00 | 0.0000000000 | 23.33 | 3.355830e+02 | |
| ## 153 | 0.10699765 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 | |
| ## 447 | 87.82422601 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 | |
| ## 172 | 92.19865144 | 64.37 | 0.000000e+00 | 0.0000000000 | 22.67 | 4.180287e+02 | |
| ## 79 | 8.41409814 | 631.67 | 0.000000e+00 | 0.0000000000 | 23.33 | 1.963009e+02 | |
| ## 344 | 0.00000000 | 112.65 | 0.000000e+00 | 0.2751138300 | 40.00 | 1.092926e+03 | |
| ## 354 | 0.00000000 | 182.39 | 0.000000e+00 | 0.0000000000 | 6.00 | 6.328810e+01 | |
| ## 225 | 31.72232882 | 234.70 | 0.000000e+00 | 0.0000000000 | 2.00 | 5.767696e+00 | |
| ## 239 | 22.11010915 | 291.02 | 8.463771e-01 | 1.0000000000 | 106.00 | 2.343672e+03 | |
| ## 220 | 146.55903250 | 0.00 | 0.000000e+00 | 0.0000000000 | 14.00 | 9.326484e+01 | |
| ## 94 | 0.57541488 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 | |
| ## 288 | 266.88802740 | 219.94 | 0.000000e+00 | 0.0000000000 | 59.33 | 8.796926e+02 | |
| ## 62 | 38.92491703 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 | |
| ## 251 | 54.53988327 | 53.64 | 8.665245e-02 | 0.9063902560 | 12.67 | 1.382041e+02 | |
| ## 389 | 91.79639684 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 | |
| ## 382 | 0.00000000 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 | |
| ## 246 | 3.29395921 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 | |
| ## 425 | 5.31532508 | 572.66 | 0.000000e+00 | 0.0000000000 | 6.33 | 1.121534e+01 | |
| ## 174 | 61.87495858 | 248.11 | 0.000000e+00 | 0.0000000000 | 8.33 | 8.590307e+01 | |
| ## 296 | 124.22462050 | 415.75 | 0.000000e+00 | 0.0000000000 | 3.67 | 2.849402e+01 | |
| ## 461 | 89.04219461 | 264.20 | 0.000000e+00 | 0.0000000000 | 2.67 | 3.962378e+01 | |
| ## 367 | 11.53450614 | 274.93 | 0.000000e+00 | 0.0000000000 | 5.33 | 3.073946e+01 | |
| ## 48 | 4.62326734 | -99999.00 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 | |
| ## 408 | 0.67641067 | -99999.00 | 0.000000e+00 | 0.0000000000 | 1.00 | 8.455133e-02 | |
| ## 218 | 12.53907730 | 399.65 | 0.000000e+00 | 0.0000000000 | -99999.00 | -9.999900e+04 | |
| ## | D4E | D5AR | D5AE | D5BR | D5BE | D5CR | D5CRI |
| ## 429 | -9.999900e+04 | 42835 | 40451 | -99999 | -99999 | 2.572130e-04 | 0.206948363 |
| ## 297 | 1.285347e-01 | 11436 | 8009 | 16047 | 6237 | 1.280444e-02 | 0.747597568 |
| ## 221 | -9.999900e+04 | 326485 | 245181 | -99999 | -99999 | 2.996370e-04 | 0.591747775 |
| ## 83 | 2.458138e-03 | 128479 | 128422 | 26077 | 20250 | 2.937730e-04 | 0.444353369 |
| ## 431 | -9.999900e+04 | 41396 | 34882 | -99999 | -99999 | 6.357370e-04 | 0.301202014 |
| ## 284 | -9.999900e+04 | 4061 | 4688 | -99999 | -99999 | 6.021550e-07 | 0.003327047 |
| ## 159 | 1.715867e-01 | 656453 | 643725 | 1646834 | 1757654 | 9.733720e-05 | 0.537810851 |
| ## 263 | -9.999900e+04 | 5245 | 4626 | -99999 | -99999 | 5.920680e-03 | 0.350812655 |
| ## 435 | 1.041921e-02 | 28803 | 21519 | 52414 | 28253 | 1.137677e-02 | 0.860381755 |
| ## 302 | -9.999900e+04 | 10858 | 11560 | -99999 | -99999 | 1.909482e-02 | 0.445913758 |

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|----|-----|---------------|--------|--------|---------|--------|--------------|-------------|
| ## | 485 | 6.909090e-04 | 245180 | 218086 | 38404 | 32283 | 9.881300e-05 | 0.358208868 |
| ## | 250 | -9.999900e+04 | 10407 | 9895 | -99999 | -99999 | 8.722619e-03 | 0.459673145 |
| ## | 410 | 2.790875e-03 | 79692 | 66990 | 68347 | 44321 | 1.350399e-03 | 0.767058416 |
| ## | 445 | 8.025111e-02 | 485526 | 515528 | 1262700 | 865120 | 7.199260e-05 | 0.397775852 |
| ## | 63 | 6.150060e-04 | 12760 | 14372 | 7901 | 5455 | 1.624600e-02 | 0.699408025 |
| ## | 247 | 5.931198e-03 | 215201 | 194671 | 41930 | 56586 | 3.594760e-04 | 0.493152725 |
| ## | 415 | -9.999900e+04 | 50342 | 50522 | -99999 | -99999 | 3.335820e-04 | 0.278411008 |
| ## | 194 | 6.375598e-03 | 86325 | 75438 | 19994 | 8619 | 1.462797e-03 | 0.830902948 |
| ## | 390 | 4.430380e-04 | 80251 | 66214 | -99999 | -99999 | 3.926330e-04 | 0.361967092 |
| ## | 191 | -9.999900e+04 | 6532 | 5878 | -99999 | -99999 | 5.676791e-03 | 0.344169872 |
| ## | 477 | 6.142506e-03 | 180556 | 137920 | 99026 | 38988 | 1.120204e-03 | 0.820041875 |
| ## | 468 | -9.999900e+04 | 65981 | 57877 | -99999 | -99999 | 5.257196e-03 | 0.921715443 |
| ## | 70 | -9.999900e+04 | 6081 | 4932 | -99999 | -99999 | 1.704369e-02 | 0.601781296 |
| ## | 229 | 5.460751e-03 | 89488 | 79720 | 64095 | 30061 | 4.386040e-04 | 0.323307646 |
| ## | 97 | -9.999900e+04 | 70117 | 67830 | -99999 | -99999 | 5.984650e-04 | 0.283206036 |
| ## | 112 | 2.991914e-03 | 120719 | 116571 | 28677 | 37817 | 4.771984e-03 | 0.809950015 |
| ## | 458 | -9.999900e+04 | 8052 | 6936 | -99999 | -99999 | 4.607944e-03 | 0.276435045 |
| ## | 126 | -9.999900e+04 | 21714 | 17979 | -99999 | -99999 | 1.518843e-02 | 0.786197907 |
| ## | 434 | 1.507538e-03 | 56310 | 60324 | 55878 | 54661 | 2.920360e-04 | 0.253263050 |
| ## | 372 | -9.999900e+04 | 9619 | 8304 | -99999 | -99999 | 3.465463e-03 | 0.306327824 |
| ## | 171 | -9.999900e+04 | 79341 | 75478 | -99999 | -99999 | 3.197620e-05 | 0.115917488 |
| ## | 455 | 1.507270e-02 | 77604 | 66337 | -99999 | -99999 | 4.814700e-04 | 0.352458681 |
| ## | 432 | 6.717850e-03 | 49475 | 29569 | 31283 | 11985 | 4.493718e-03 | 0.702470538 |
| ## | 437 | 5.899705e-03 | 142018 | 112938 | 112340 | 73951 | 6.948320e-04 | 0.640563263 |
| ## | 215 | -9.999900e+04 | 41012 | 33221 | -99999 | -99999 | 5.077313e-03 | 0.856093182 |
| ## | 441 | -9.999900e+04 | 12042 | 11932 | -99999 | -99999 | 1.474683e-02 | 0.403863568 |
| ## | 213 | 4.670710e-04 | 127591 | 129547 | 75 | 538 | 1.849970e-04 | 0.372984761 |
| ## | 118 | 2.301967e-03 | 35427 | 44637 | 6248 | 5956 | 6.772560e-05 | 0.099313465 |
| ## | 456 | 5.546318e-03 | 202557 | 200184 | 431006 | 264926 | 8.163500e-05 | 0.295936511 |
| ## | 58 | -9.999900e+04 | 26961 | 19967 | -99999 | -99999 | 7.032065e-03 | 0.611000317 |
| ## | 379 | 2.962963e-03 | 89859 | 87018 | 73955 | 53327 | 2.054670e-04 | 0.310783469 |
| ## | 407 | 9.487666e-03 | 119830 | 95858 | 214993 | 113531 | 6.214650e-04 | 0.538954205 |
| ## | 422 | 3.162055e-03 | 30808 | 242 | 20962 | 163 | 4.224752e-03 | 0.526290615 |
| ## | 351 | 1.994018e-03 | 38379 | 35672 | 22709 | 19584 | 1.861075e-03 | 0.568173743 |
| ## | 452 | 3.505080e-04 | 40523 | 35124 | 8453 | 5606 | 3.513681e-03 | 0.762570568 |
| ## | 366 | 5.383580e-03 | 98012 | 73775 | 52255 | 26715 | 2.534763e-03 | 0.738453656 |
| ## | 397 | -9.999900e+04 | 80445 | 69636 | -99999 | -99999 | 4.990960e-04 | 0.365361819 |
| ## | 201 | -9.999900e+04 | 3681 | 3698 | -99999 | -99999 | 4.407956e-03 | 0.285216179 |
| ## | 10 | -9.999900e+04 | 11711 | 12629 | -99999 | -99999 | 3.742562e-02 | 0.903069093 |
| ## | 480 | -9.999900e+04 | 101 | 439 | -99999 | -99999 | 1.110977e-03 | 0.026663147 |
| ## | 446 | -9.999900e+04 | 31395 | 24807 | -99999 | -99999 | 6.133140e-03 | 0.917606828 |
| ## | 82 | 5.280576e-03 | 176595 | 144823 | 86473 | 20761 | 1.005520e-04 | 0.246718936 |
| ## | 151 | -9.999900e+04 | 14693 | 19062 | -99999 | -99999 | 4.348535e-03 | 0.438152323 |
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| ## | 291 | 1.651311e-03 | 86332 | 80540 | -99999 | -99999 | 1.503923e-03 | 0.355898176 |

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| ## | 56 | -9.999900e+04 | 65361 | 62614 | -99999 | -99999 | 3.389770e-04 | 0.293971341 |
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| ## | 206 | 1.424501e-03 | 197141 | 151518 | 141776 | 89189 | 1.022417e-03 | 0.886672544 |
| ## | 160 | 3.037975e-03 | 271771 | 218284 | 28944 | 55574 | 2.494220e-04 | 0.492579704 |
| ## | 277 | -9.999900e+04 | 5202 | 4961 | -99999 | -99999 | 6.061807e-02 | 0.883041928 |
| ## | 88 | 1.662830e-02 | 795757 | 690428 | 461777 | 282041 | 1.179930e-04 | 0.651938142 |
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| ## | 353 | 5.790390e-04 | 22840 | 16777 | 764 | 1971 | 2.928840e-03 | 0.454355567 |
| ## | 157 | -9.999900e+04 | 168777 | 150410 | -99999 | -99999 | 2.397520e-04 | 0.308577916 |
| ## | 368 | -9.999900e+04 | 37256 | 27919 | -99999 | -99999 | 4.417288e-03 | 0.695957558 |
| ## | 365 | 6.532110e-02 | 875160 | 761471 | 3731421 | 1530279 | 1.297670e-04 | 0.716990469 |
| ## | 57 | 3.193780e-03 | 76466 | 51461 | 46054 | 18342 | 4.289251e-03 | 0.847362589 |
| ## | 493 | -9.999900e+04 | 9111 | 7806 | -99999 | -99999 | 3.282445e-03 | 0.290149995 |
| ## | 259 | -9.999900e+04 | 6992 | 7318 | -99999 | -99999 | 4.049788e-02 | 0.892178129 |
| ## | 265 | -9.999900e+04 | 4105 | 3413 | -99999 | -99999 | 0.000000e+00 | 0.000000000 |
| ## | 307 | 1.514954e-03 | 142937 | 120124 | -99999 | -99999 | 3.444670e-04 | 0.417365990 |
| ## | 170 | -9.999900e+04 | 12826 | 21275 | -99999 | -99999 | 9.473190e-05 | 0.069218232 |
| ## | 121 | -9.999900e+04 | 21067 | 15976 | -99999 | -99999 | 1.185329e-02 | 0.745022456 |
| ## | 276 | -9.999900e+04 | 3815 | 4587 | -99999 | -99999 | 0.000000e+00 | 0.000000000 |
| ## | 394 | 6.993007e-03 | 84700 | 98311 | 57380 | 72145 | 6.831900e-04 | 0.441306726 |
| ## | 32 | -9.999900e+04 | 3069 | 2445 | 390 | 148 | 0.000000e+00 | 0.000000000 |
| ## | 2 | 2.201835e-02 | 72897 | 72529 | 55096 | 35917 | 2.981115e-03 | 0.659188324 |
| ## | 219 | -9.999900e+04 | 4943 | 5519 | -99999 | -99999 | 2.737650e-04 | 0.051174540 |
| ## | 327 | -9.999900e+04 | 435 | 940 | -99999 | -99999 | 1.146188e-03 | 0.036003973 |
| ## | 257 | 2.047600e-02 | 70730 | 71036 | 26866 | 33355 | 3.819080e-04 | 0.328577866 |
| ## | 227 | 2.417644e-03 | 26899 | 24880 | 23123 | 17214 | 3.101360e-04 | 0.174447939 |
| ## | 195 | 4.830780e-04 | 50171 | 56666 | 25921 | 29394 | 4.046790e-04 | 0.261402595 |
| ## | 59 | -9.999900e+04 | 120772 | 106954 | -99999 | -99999 | 1.790780e-05 | 0.098944619 |
| ## | 497 | -9.999900e+04 | 3544 | 4015 | -99999 | -99999 | 8.031880e-04 | 0.109170440 |
| ## | 311 | -9.999900e+04 | 9725 | 9447 | -99999 | -99999 | 3.803880e-03 | 0.249275882 |
| ## | 363 | -9.999900e+04 | 58433 | 55785 | -99999 | -99999 | 8.973820e-04 | 0.425165168 |
| ## | 46 | -9.999900e+04 | 10430 | 15703 | -99999 | -99999 | 2.363784e-03 | 0.321288852 |
| ## | 490 | 2.947653e-02 | 287608 | 221085 | 445684 | 215869 | 5.498190e-04 | 0.806259268 |
| ## | 286 | 3.105590e-02 | 785436 | 681260 | 483659 | 203822 | 1.164630e-04 | 0.643482478 |
| ## | 256 | -9.999900e+04 | 124633 | 73904 | -99999 | -99999 | 1.419487e-03 | 0.606409895 |
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| ## | 462 | -9.999900e+04 | 121031 | 92885 | -99999 | -99999 | 1.261366e-03 | 0.755971268 |

| | | | | | | | | |
|----|-----|---------------|--------|--------|---------|---------|--------------|-------------|
| ## | 110 | -9.999900e+04 | 6592 | 6853 | -99999 | -99999 | 0.000000e+00 | 0.000000000 |
| ## | 249 | -9.999900e+04 | 60172 | 67945 | -99999 | -99999 | 8.724470e-05 | 0.175899860 |
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| ## | 271 | -9.999900e+04 | 539 | 861 | -99999 | -99999 | 0.000000e+00 | 0.000000000 |
| ## | 268 | 5.549085e-03 | 151161 | 117966 | 128686 | 76964 | 1.446305e-03 | 0.783599266 |
| ## | 463 | 4.959108e-03 | 125854 | 125530 | 61084 | 39627 | 1.463576e-03 | 0.786690753 |
| ## | 495 | -9.999900e+04 | 18182 | 18657 | -99999 | -99999 | 1.190568e-03 | 0.225527164 |
| ## | 362 | 1.379764e-02 | 463330 | 383211 | 557394 | 265275 | 2.638180e-04 | 0.647313258 |
| ## | 460 | 1.264234e-03 | 315448 | 251338 | 316095 | 122768 | 4.481020e-04 | 0.576739050 |
| ## | 330 | 1.340782e-02 | 170210 | 140285 | 116825 | 90769 | 5.034290e-04 | 0.613289807 |
| ## | 231 | 2.844950e-03 | 59812 | 54719 | 121750 | 100684 | 4.417670e-04 | 0.322788157 |
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| ## | 142 | 1.046419e-02 | 881379 | 832804 | 1286900 | 747648 | 1.306890e-04 | 0.722085496 |
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| ## | 148 | -9.999900e+04 | 1135 | 1519 | -99999 | -99999 | 0.000000e+00 | 0.000000000 |
| ## | 99 | -9.999900e+04 | 14955 | 16548 | -99999 | -99999 | 1.134640e-04 | 0.075393224 |
| ## | 373 | -9.999900e+04 | 54023 | 58819 | -99999 | -99999 | 2.058880e-04 | 0.214406763 |
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| ## | 393 | -9.999900e+04 | 15492 | 13457 | -99999 | -99999 | 9.287080e-04 | 0.206455396 |
| ## | 173 | -9.999900e+04 | 68965 | 72704 | -99999 | -99999 | 1.022600e-05 | 0.056500809 |
| ## | 162 | 2.031630e-03 | 64849 | 63786 | 17580 | 12542 | 4.789700e-04 | 0.349971397 |
| ## | 374 | 1.447178e-03 | 94641 | 85415 | 33638 | 41060 | 3.606880e-04 | 0.375611692 |
| ## | 76 | 2.666133e-03 | 161780 | 163835 | 119429 | 122434 | 9.211690e-05 | 0.226021063 |
| ## | 500 | -9.999900e+04 | 81113 | 78825 | 20578 | 12887 | 1.854690e-04 | 0.280534833 |
| ## | 216 | -9.999900e+04 | 4557 | 2313 | -99999 | -99999 | 0.000000e+00 | 0.000000000 |
| ## | 411 | 9.060023e-03 | 224182 | 128255 | 168158 | 48697 | 7.384870e-04 | 0.673017112 |
| ## | 230 | 1.318345e-02 | 132214 | 98226 | 95572 | 33655 | 1.969276e-03 | 0.978485950 |
| ## | 16 | -9.999900e+04 | 1324 | 1523 | -99999 | -99999 | 0.000000e+00 | 0.000000000 |
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| ## | 8 | 6.413819e-02 | 616711 | 542399 | 2644388 | 1247977 | 9.144440e-05 | 0.505251507 |
| ## | 340 | -9.999900e+04 | 523 | 22 | -99999 | -99999 | 0.000000e+00 | 0.000000000 |
| ## | 22 | 1.526868e-03 | 136362 | 132259 | 7321 | 8936 | 1.977140e-04 | 0.398624887 |
| ## | 128 | 2.910149e-03 | 70684 | 90865 | 85126 | 111096 | 2.848720e-05 | 0.103269580 |
| ## | 469 | 5.963030e-04 | 79543 | 81219 | 9882 | 8616 | 7.610660e-04 | 0.412340726 |
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| ## | 442 | 7.757950e-04 | 62243 | 53891 | 1082 | 568 | 1.054722e-03 | 0.599106773 |
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| ## | 134 | 4.834050e-04 | 57284 | 51783 | 68 | 587 | 4.419490e-04 | 0.331314814 |
| ## | 494 | -9.999900e+04 | 68832 | 86026 | -99999 | -99999 | 1.020620e-05 | 0.056391846 |
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| | | | | | | | | |
|----|-----|---------------|--------|--------|---------|---------|--------------|-------------|
| ## | 294 | 5.643994e-02 | 662474 | 579915 | 1432540 | 873661 | 9.823000e-05 | 0.542743663 |
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| ## | 466 | -9.999900e+04 | 61602 | 71053 | -99999 | -99999 | 2.347720e-04 | 0.244486337 |
| ## | 139 | 1.477836e-02 | 111009 | 100426 | 44880 | 50340 | 7.306370e-04 | 0.473379871 |
| ## | 95 | -9.999900e+04 | 483 | 664 | -99999 | -99999 | 0.000000e+00 | 0.000000000 |
| ## | 369 | 3.921569e-03 | 90126 | 74667 | 94820 | 72592 | 6.656640e-04 | 0.486384095 |
| ## | 127 | -9.999900e+04 | 9018 | 7107 | -99999 | -99999 | 3.527341e-03 | 0.231153718 |
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| ## | 450 | -9.999900e+04 | 2450 | 3268 | -99999 | -99999 | 0.000000e+00 | 0.000000000 |
| ## | 72 | 4.587224e-02 | 81427 | 59709 | 128787 | 84536 | 9.247850e-04 | 0.666009602 |
| ## | 204 | -9.999900e+04 | 27127 | 31266 | -99999 | -99999 | 3.080880e-04 | 0.221877786 |
| ## | 301 | 1.015267e-03 | 95401 | 81687 | 7512 | 3754 | 5.728580e-04 | 0.460910022 |
| ## | 465 | 8.172900e-03 | 119697 | 81627 | -99999 | -99999 | 1.307182e-03 | 0.575568731 |
| ## | 339 | -9.999900e+04 | 9538 | 8954 | -99999 | -99999 | 4.613464e-03 | 0.371649002 |
| ## | 328 | 4.919679e-02 | 539546 | 487502 | 1426105 | 812070 | 8.000250e-05 | 0.442032702 |
| ## | 299 | 1.084060e-02 | 56007 | 43548 | 86785 | 44788 | 2.715892e-03 | 0.829143720 |
| ## | 349 | 1.777778e-03 | 105335 | 108496 | -99999 | -99999 | 1.561880e-05 | 0.086297581 |
| ## | 399 | -9.999900e+04 | 968 | 1680 | -99999 | -99999 | 1.099380e-05 | 0.007917488 |
| ## | 92 | 2.557604e-03 | 37324 | 23737 | 32798 | 11123 | 7.614761e-03 | 0.782966226 |
| ## | 467 | 8.274510e-03 | 136904 | 106794 | 72715 | 31744 | 1.056222e-03 | 0.791814875 |
| ## | 352 | 5.888372e-03 | 167365 | 150718 | 140953 | 125885 | 1.004983e-03 | 0.808589070 |
| ## | 232 | -9.999900e+04 | 977 | 1625 | -99999 | -99999 | 0.000000e+00 | 0.000000000 |
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| ## | 131 | 4.272190e-04 | 13571 | 13277 | -99999 | -99999 | 2.394030e-04 | 0.086748359 |
| ## | 376 | 8.108273e-03 | 259732 | 216700 | 35412 | 28365 | 3.851240e-05 | 0.212790082 |
| ## | 166 | -9.999900e+04 | 756 | 972 | -99999 | -99999 | 0.000000e+00 | 0.000000000 |
| ## | 478 | 9.225090e-04 | 117673 | 93662 | 8272 | 8008 | 9.078540e-04 | 0.680588089 |
| ## | 264 | 4.530612e-03 | 82385 | 79580 | 8922 | 8739 | 3.076548e-03 | 0.945975428 |
| ## | 254 | -9.999900e+04 | 24066 | 20710 | -99999 | -99999 | 8.720873e-03 | 0.742663169 |
| ## | 129 | 1.121762e-02 | 440153 | 378230 | 51187 | 65417 | 6.526480e-05 | 0.360603211 |
| ## | 292 | 1.537433e-02 | 86238 | 91444 | 30595 | 26657 | 5.675990e-04 | 0.367747961 |
| ## | 430 | -9.999900e+04 | 41395 | 37516 | 1348 | 2401 | 3.701646e-03 | 0.666007015 |
| ## | 130 | -9.999900e+04 | 51847 | 50529 | -99999 | -99999 | 9.329170e-04 | 0.468932021 |
| ## | 183 | 1.387787e-02 | 146244 | 104430 | 507044 | 292000 | 4.325450e-04 | 0.526937046 |
| ## | 325 | 5.092961e-03 | 101000 | 86625 | 211253 | 171205 | 2.309410e-04 | 0.349315376 |
| ## | 280 | 5.086207e-03 | 186406 | 131721 | 143473 | 77346 | 7.104140e-04 | 0.739809100 |
| ## | 420 | 8.086253e-03 | 251847 | 239293 | 143307 | 71786 | 1.015000e-04 | 0.367949379 |
| ## | 18 | 1.734074e-02 | 25873 | 20819 | 44000 | 27180 | 1.021946e-02 | 0.772858978 |
| ## | 74 | 1.988917e-02 | 180689 | 190524 | 99685 | 146793 | 2.619850e-04 | 0.528205308 |
| ## | 153 | -9.999900e+04 | 1942 | 1265 | -99999 | -99999 | 0.000000e+00 | 0.000000000 |
| ## | 447 | -9.999900e+04 | 13428 | 12572 | -99999 | -99999 | 1.554818e-02 | 0.843043697 |
| ## | 172 | 3.638844e-02 | 296260 | 216961 | 272252 | 165999 | 7.139640e-04 | 0.865058369 |
| ## | 79 | 3.492515e-02 | 289414 | 280439 | 314391 | 193856 | 1.166400e-04 | 0.422834902 |
| ## | 344 | 1.425009e-02 | 516448 | 541915 | 1064332 | 750418 | 7.657760e-05 | 0.423109253 |
| ## | 354 | 8.849558e-03 | 157483 | 127630 | 127814 | 97613 | 3.528640e-04 | 0.662099439 |
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| ## | 239 | 6.616729e-02 | 726926 | 641282 | 2269389 | 1259573 | 1.077870e-04 | 0.595547115 |
| ## | 220 | 2.368866e-02 | 81895 | 74250 | 67042 | 46030 | 4.013880e-04 | 0.295875197 |
| ## | 94 | -9.999900e+04 | 9424 | 11174 | -99999 | -99999 | 7.677037e-03 | 0.635640092 |
| ## | 288 | 3.689677e-02 | 186011 | 117375 | 331920 | 177050 | 9.116880e-04 | 0.672031764 |
| ## | 62 | -9.999900e+04 | 34128 | 26560 | -99999 | -99999 | 4.924495e-03 | 0.780157732 |

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|----|-----|---------------|-------------|---------------|---------------|---------------|---------------|---------------|
| ## | 251 | 8.973088e-03 | 229272 | 204259 | 341490 | 219829 | 3.324260e-04 | 0.670227227 |
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| ## | 425 | 3.195356e-03 | 39853 | 27643 | 5365 | 6266 | 4.730418e-03 | 0.583721475 |
| ## | 174 | 1.383721e-02 | 106576 | 79327 | 101728 | 43676 | 1.636735e-03 | 0.775459123 |
| ## | 296 | 5.707621e-03 | 53290 | 50036 | 96232 | 63110 | 1.609763e-03 | 0.566354564 |
| ## | 461 | 2.604878e-03 | 169306 | 109596 | 61613 | 34693 | 1.121874e-03 | 0.936328594 |
| ## | 367 | 1.122105e-02 | 53077 | 54703 | 34293 | 26476 | 5.108815e-03 | 0.904870689 |
| ## | 48 | -9.999900e+04 | 9678 | 6477 | -99999 | -99999 | 1.404088e-02 | 0.606695085 |
| ## | 408 | 5.665720e-04 | 40475 | 34634 | -99999 | -99999 | 8.914320e-04 | 0.322435453 |
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| ## | | D5CE | D5CEI | | D5DR | | D5DRI | D5DE |
| ## | 429 | 2.734690e-04 | 0.226249937 | -9.999900e+04 | -9.999900e+04 | -9.999900e+04 | -9.999900e+04 | -9.999900e+04 |
| ## | 297 | 1.115447e-02 | 0.672968658 | 4.130959e-02 | 8.273782e-01 | 4.094105e-02 | 4.094105e-02 | 4.094105e-02 |
| ## | 221 | 2.887700e-04 | 0.679280882 | -9.999900e+04 | -9.999900e+04 | -9.999900e+04 | -9.999900e+04 | -9.999900e+04 |
| ## | 83 | 3.133750e-04 | 0.596518120 | 8.335120e-05 | 2.859972e-02 | 8.410080e-05 | 8.410080e-05 | 8.410080e-05 |
| ## | 431 | 6.652980e-04 | 0.355782667 | -9.999900e+04 | -9.999900e+04 | -9.999900e+04 | -9.999900e+04 | -9.999900e+04 |
| ## | 284 | 7.883590e-07 | 0.004861280 | -9.999900e+04 | -9.999900e+04 | -9.999900e+04 | -9.999900e+04 | -9.999900e+04 |
| ## | 159 | 1.082520e-04 | 0.667518704 | 1.321490e-04 | 2.364793e-01 | 2.736790e-04 | 2.736790e-04 | 2.736790e-04 |
| ## | 263 | 6.135962e-03 | 0.382915322 | -9.999900e+04 | -9.999900e+04 | -9.999900e+04 | -9.999900e+04 | -9.999900e+04 |
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| ## | 302 | 2.115569e-02 | 0.516717325 | -9.999900e+04 | -9.999900e+04 | -9.999900e+04 | -9.999900e+04 | -9.999900e+04 |
| ## | 485 | 9.991300e-05 | 0.424132573 | 2.084910e-05 | 3.217194e-02 | 2.391720e-05 | 2.391720e-05 | 2.391720e-05 |
| ## | 250 | 9.162258e-03 | 0.488907555 | -9.999900e+04 | -9.999900e+04 | -9.999900e+04 | -9.999900e+04 | -9.999900e+04 |
| ## | 410 | 1.312618e-03 | 0.761500949 | 2.040458e-03 | 4.723228e-01 | 1.939746e-03 | 1.939746e-03 | 1.939746e-03 |
| ## | 445 | 8.669400e-05 | 0.534583219 | 1.013240e-04 | 1.813191e-01 | 1.347050e-04 | 1.347050e-04 | 1.347050e-04 |
| ## | 63 | 1.498580e-02 | 0.703337575 | 5.948563e-02 | 6.429327e-01 | 5.911421e-02 | 5.911421e-02 | 5.911421e-02 |
| ## | 247 | 4.100930e-04 | 0.664419749 | 8.069170e-05 | 4.697050e-02 | 1.884010e-04 | 1.884010e-04 | 1.884010e-04 |
| ## | 415 | 4.097110e-04 | 0.410838151 | -9.999900e+04 | -9.999900e+04 | -9.999900e+04 | -9.999900e+04 | -9.999900e+04 |
| ## | 194 | 1.478150e-03 | 0.857532596 | 5.969090e-04 | 1.381717e-01 | 3.772180e-04 | 3.772180e-04 | 3.772180e-04 |
| ## | 390 | 4.113490e-04 | 0.424949941 | -9.999900e+04 | -9.999900e+04 | -9.999900e+04 | -9.999900e+04 | -9.999900e+04 |
| ## | 191 | 6.397224e-03 | 0.454707202 | -9.999900e+04 | -9.999900e+04 | -9.999900e+04 | -9.999900e+04 | -9.999900e+04 |
| ## | 477 | 9.947530e-04 | 0.825789146 | 9.697510e-04 | 2.992988e-01 | 6.608600e-04 | 6.608600e-04 | 6.608600e-04 |
| ## | 468 | 4.901690e-03 | 0.927293119 | -9.999900e+04 | -9.999900e+04 | -9.999900e+04 | -9.999900e+04 | -9.999900e+04 |
| ## | 70 | 1.677386e-02 | 0.593573234 | -9.999900e+04 | -9.999900e+04 | -9.999900e+04 | -9.999900e+04 | -9.999900e+04 |
| ## | 229 | 5.269580e-04 | 0.571105173 | 1.853620e-04 | 5.685724e-02 | 1.783860e-04 | 1.783860e-04 | 1.783860e-04 |
| ## | 97 | 7.498770e-04 | 0.425226468 | -9.999900e+04 | -9.999900e+04 | -9.999900e+04 | -9.999900e+04 | -9.999900e+04 |
| ## | 112 | 4.934939e-03 | 0.814077405 | 5.839893e-03 | 1.578443e-01 | 8.495669e-03 | 8.495669e-03 | 8.495669e-03 |
| ## | 458 | 5.208560e-03 | 0.376404190 | -9.999900e+04 | -9.999900e+04 | -9.999900e+04 | -9.999900e+04 | -9.999900e+04 |
| ## | 126 | 1.490653e-02 | 0.833712033 | -9.999900e+04 | -9.999900e+04 | -9.999900e+04 | -9.999900e+04 | -9.999900e+04 |
| ## | 434 | 3.734530e-04 | 0.365172858 | 3.354350e-04 | 1.216736e-01 | 5.213800e-04 | 5.213800e-04 | 5.213800e-04 |
| ## | 372 | 3.524506e-03 | 0.364306396 | -9.999900e+04 | -9.999900e+04 | -9.999900e+04 | -9.999900e+04 | -9.999900e+04 |
| ## | 171 | 3.457920e-05 | 0.146789241 | -9.999900e+04 | -9.999900e+04 | -9.999900e+04 | -9.999900e+04 | -9.999900e+04 |
| ## | 455 | 4.784580e-04 | 0.397189491 | -9.999900e+04 | -9.999900e+04 | -9.999900e+04 | -9.999900e+04 | -9.999900e+04 |
| ## | 432 | 3.838507e-03 | 0.747314681 | 1.511213e-02 | 5.818253e-01 | 1.849954e-02 | 1.849954e-02 | 1.849954e-02 |
| ## | 437 | 7.016180e-04 | 0.724816450 | 1.152729e-03 | 2.540433e-01 | 1.221332e-03 | 1.221332e-03 | 1.221332e-03 |
| ## | 215 | 4.882856e-03 | 0.895131086 | -9.999900e+04 | -9.999900e+04 | -9.999900e+04 | -9.999900e+04 | -9.999900e+04 |
| ## | 441 | 1.568184e-02 | 0.434887196 | -9.999900e+04 | -9.999900e+04 | -9.999900e+04 | -9.999900e+04 | -9.999900e+04 |
| ## | 213 | 1.993350e-04 | 0.460418384 | 1.165840e-07 | 9.830240e-05 | 1.137070e-06 | 1.137070e-06 | 1.137070e-06 |
| ## | 118 | 9.611600e-05 | 0.161033367 | 1.160130e-05 | 6.505365e-03 | 1.822610e-05 | 1.822610e-05 | 1.822610e-05 |
| ## | 456 | 9.171140e-05 | 0.389316852 | 2.339890e-04 | 3.610639e-01 | 1.962730e-04 | 1.962730e-04 | 1.962730e-04 |
| ## | 58 | 6.815253e-03 | 0.676526394 | -9.999900e+04 | -9.999900e+04 | -9.999900e+04 | -9.999900e+04 | -9.999900e+04 |
| ## | 379 | 2.123410e-04 | 0.404197207 | 2.363860e-04 | 8.110951e-02 | 2.214740e-04 | 2.214740e-04 | 2.214740e-04 |


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## 407 5.934370e-04 0.580278825 1.290600e-03 4.681445e-01 1.082907e-03
## 422 4.670643e-03 0.733333333 2.323707e-03 1.789972e-01 3.288014e-03
## 351 1.990431e-03 0.768577769 9.860690e-04 1.483608e-01 1.260823e-03
## 452 3.084484e-03 0.823366699 1.141956e-03 1.012190e-01 1.078973e-03
## 366 2.490854e-03 0.773850108 3.783129e-03 4.333709e-01 3.334964e-03
## 397 5.022520e-04 0.416942089 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 201 4.499287e-03 0.313257094 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 10 3.695694e-02 0.931960741 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 480 3.364294e-03 0.087120460 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 446 5.114594e-03 0.860786287 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 82 9.515270e-05 0.305758236 6.303230e-05 5.749607e-02 2.644350e-05
## 151 5.330184e-03 0.588605836 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 236 1.426372e-03 0.347916569 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 237 1.297945e-03 0.868583495 7.452448e-03 8.688377e-01 3.711130e-03
## 479 0.000000e+00 0.000000000 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 383 4.788787e-03 0.370413263 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 75 5.138820e-05 0.218143771 1.360480e-06 2.099336e-03 2.313700e-06
## 350 7.752100e-05 0.051420646 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 310 8.779990e-05 0.372712192 6.641170e-05 1.024787e-01 9.376240e-05
## 475 6.248700e-04 0.202612746 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 101 4.020020e-03 0.656344467 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 65 0.000000e+00 0.000000000 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 291 1.451487e-03 0.388665296 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 199 2.336710e-04 0.140300892 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 436 2.279152e-03 0.559775947 7.459324e-03 4.116342e-01 5.924726e-03
## 387 5.280610e-05 0.325619715 4.879640e-07 8.732090e-04 1.186020e-06
## 100 2.652220e-05 0.163544545 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 334 1.725278e-02 0.922281567 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 439 5.509470e-04 0.620233496 3.836930e-04 1.073203e-01 3.398230e-04
## 87 2.387205e-02 0.803423806 1.954574e-02 4.675174e-01 2.107389e-02
## 333 6.985690e-04 0.683079792 8.287610e-04 3.006195e-01 8.797960e-04
## 184 3.938617e-03 0.928632601 -9.999900e+04 -9.999900e+04 -9.999900e+04
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## 49 0.000000e+00 0.000000000 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 357 9.420140e-04 0.821660135 1.863957e-03 5.568237e-01 1.572790e-03
## 224 1.823400e-04 0.197615858 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 486 8.118819e-03 0.412553122 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 164 6.318760e-05 0.203043585 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 226 4.943602e-03 0.727526912 4.053710e-04 1.611478e-02 2.871397e-03
## 404 1.237410e-04 0.397623149 1.563760e-05 1.426414e-02 2.301970e-05
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## 37 1.259740e-04 0.104576807 -9.999900e+04 -9.999900e+04 -9.999900e+04
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## 47 1.475962e-03 0.584160132 1.963042e-03 2.743286e-01 2.047182e-03
## 89 2.880070e-04 0.587179224 1.333264e-03 5.937963e-01 1.238789e-03
## 454 0.000000e+00 0.000000000 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 336 4.225830e-04 0.861547923 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 252 2.226330e-03 0.445798426 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 464 1.370574e-03 0.909118544 2.553582e-03 6.885933e-01 2.502774e-03
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## 233 6.601910e-04 0.662007107 1.223689e-03 4.508530e-01 1.165312e-03
## 428 4.455750e-04 0.848164767 1.936600e-04 6.644937e-02 2.827820e-04
## 154 1.891098e-02 0.387223486 -9.999900e+04 -9.999900e+04 -9.999900e+04
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## 356 5.179634e-03 0.211285136 -9.999900e+04 -9.999900e+04 -9.999900e+04
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## 133 3.380460e-04 0.479175038 6.486200e-05 3.016625e-02 6.744240e-05
## 152 1.754210e-04 0.744665913 2.623170e-04 4.047772e-01 2.212720e-04
## 4 0.000000e+00 0.000000000 -9.999900e+04 -9.999900e+04 -9.999900e+04
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## 384 6.461080e-06 0.039841137 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 145 0.000000e+00 0.000000000 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 234 1.531213e-02 0.842747347 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 361 1.277200e-04 0.787562671 6.008660e-05 1.075248e-01 4.725920e-05
## 348 1.691220e-04 0.344800427 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 197 2.298499e-03 0.440420985 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 136 1.405950e-05 0.086695252 9.415830e-07 1.684959e-03 1.220900e-06
## 192 1.224073e-03 0.544054981 2.557179e-03 4.810441e-01 2.682721e-03
## 258 4.306316e-03 0.465794769 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 61 3.026820e-04 0.712006361 2.519980e-04 8.864110e-02 2.256920e-04
## 240 1.432860e-04 0.608252154 1.788430e-04 2.759696e-01 1.146300e-04
## 293 1.011549e-02 0.887731849 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 255 1.822230e-02 0.390120968 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 245 3.717862e-03 0.655303963 5.031630e-04 2.361928e-02 2.404610e-03
## 77 1.243786e-03 0.758303978 6.239870e-04 9.216855e-02 7.804140e-04
## 156 1.405623e-02 0.506024096 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 43 8.790990e-04 0.599499173 4.298980e-04 8.226682e-02 6.770340e-04
## 474 3.702350e-05 0.062029431 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 449 0.000000e+00 0.000000000 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 214 4.089312e-03 0.495004723 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 91 4.713110e-04 0.668077207 2.249960e-04 1.046421e-01 3.295900e-04
## 285 1.336864e-02 0.680774920 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 364 2.496700e-05 0.153954716 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 178 0.000000e+00 0.000000000 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 93 3.146040e-04 0.740052418 1.792550e-04 6.305329e-02 2.078170e-04
## 84 3.707390e-04 0.856323391 4.522300e-04 3.813163e-01 5.688000e-04
## 146 2.576370e-05 0.109367494 3.590890e-05 5.541040e-02 2.431570e-05
## 64 1.221516e-03 0.692674670 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 326 4.432270e-04 0.410188168 2.006730e-04 6.922922e-02 1.126680e-04
## 273 1.412134e-02 0.351759391 -9.999900e+04 -9.999900e+04 -9.999900e+04

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## 355 1.050350e-04 0.445875381 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 228 2.781162e-03 0.541461319 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 117 8.022220e-04 0.658390052 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 29 4.712138e-03 0.160184890 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 45 9.873010e-05 0.165413018 9.612680e-06 5.390249e-03 1.331760e-05
## 176 1.881250e-04 0.113428395 1.760540e-04 3.728086e-02 2.059800e-04
## 198 2.187701e-03 0.808318264 2.301738e-03 3.023051e-01 2.614598e-03
## 488 4.186940e-02 0.821424603 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 35 8.044670e-04 0.514263800 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 54 1.021640e-04 0.328289546 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 208 0.000000e+00 0.000000000 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 402 4.364730e-05 0.039120048 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 417 3.130757e-03 0.835161550 6.438415e-03 3.369047e-01 8.098585e-03
## 345 3.803540e-04 0.616217177 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 60 1.221499e-03 0.474266992 5.727870e-04 4.138074e-02 8.827090e-04
## 105 1.479070e-02 0.340729406 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 283 5.406107e-03 0.400216577 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 210 3.030520e-04 0.287912887 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 207 1.273930e-04 0.785547853 2.692010e-05 4.817341e-02 4.283970e-05
## 487 4.311890e-04 0.698597924 6.315850e-04 3.676447e-01 4.051300e-04
## 33 3.193319e-03 0.611879511 3.832313e-03 2.416061e-01 4.249540e-03
## 267 4.315010e-04 0.597741171 2.982380e-04 1.191216e-01 6.497490e-04
## 163 3.296008e-03 0.664283648 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 81 5.413593e-03 0.853373711 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 223 4.339590e-04 0.727058238 5.816740e-04 3.261699e-01 7.893700e-04
## 386 8.558170e-04 0.133494541 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 343 6.011370e-04 0.832732653 1.712279e-03 6.839139e-01 9.118460e-04
## 137 8.209600e-05 0.506230589 3.018950e-04 5.402401e-01 2.839800e-04
## 483 4.591310e-04 0.769231324 9.565810e-04 5.363969e-01 9.341510e-04
## 71 5.269010e-05 0.054701645 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 358 5.691909e-03 0.820300110 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 323 7.474705e-03 0.877665578 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 385 0.000000e+00 0.000000000 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 261 6.036250e-04 0.306216532 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 17 1.421010e-04 0.603220970 4.216410e-05 6.506265e-02 2.633090e-05
## 275 1.944480e-04 0.825435197 1.656160e-04 2.555593e-01 2.174520e-04
## 338 2.603250e-04 0.612369854 2.399340e-04 8.439762e-02 3.423160e-04
## 315 8.400420e-05 0.194030593 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 189 6.070068e-03 0.931402137 3.999868e-03 3.148004e-01 4.187349e-03
## 243 2.498970e-04 0.354225263 8.420630e-05 3.916296e-02 2.025040e-04
## 179 1.183581e-03 0.785083928 2.628802e-03 7.088769e-01 1.804416e-03
## 107 2.634385e-03 0.495920797 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 305 1.902318e-02 0.945844465 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 248 2.450670e-06 0.003473794 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 419 3.272410e-04 0.769777416 7.782920e-04 2.737663e-01 6.008180e-04
## 395 9.381190e-05 0.578474732 2.041000e-04 3.652354e-01 2.079130e-04
## 496 1.721038e-02 0.704451548 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 86 1.363539e-03 0.892054024 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 438 8.405202e-03 0.639686138 2.894840e-03 1.089938e-01 4.023465e-03
## 282 5.461670e-04 0.134142604 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 23 1.546325e-03 0.784445015 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 321 1.391070e-04 0.590513679 6.156590e-05 9.500122e-02 4.224300e-05
## 406 0.000000e+00 0.000000000 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 51 3.585770e-04 0.843490090 1.790840e-04 6.299325e-02 2.091320e-04

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## 55 1.377849e-02 0.781455672 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 106 3.423530e-04 0.269791252 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 427 1.206241e-02 0.913221237 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 290 3.142850e-04 0.435367501 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 324 2.692160e-04 0.865082381 4.794060e-04 4.372987e-01 4.650440e-04
## 15 4.814040e-05 0.296849189 2.649020e-06 4.740402e-03 6.333840e-06
## 303 1.302920e-03 0.852395757 3.041499e-03 7.860604e-01 2.828978e-03
## 169 0.000000e+00 0.000000000 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 116 1.761540e-04 0.089362125 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 102 0.000000e+00 0.000000000 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 262 6.655990e-05 0.153738165 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 448 7.603300e-05 0.155013459 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 380 3.383660e-04 0.349553319 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 418 1.515223e-03 0.651039449 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 489 1.858242e-02 0.778559766 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 235 3.861139e-03 0.595259565 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 457 3.385570e-04 0.548519765 4.203510e-04 2.446857e-01 3.721480e-04
## 244 6.851610e-05 0.220165860 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 25 0.000000e+00 0.000000000 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 281 1.457059e-02 0.909279033 1.786411e-01 2.668964e-01 1.591660e-01
## 119 3.121580e-04 0.734298031 5.208630e-04 1.832149e-01 5.150210e-04
## 400 1.553580e-04 0.043151233 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 481 6.058270e-04 0.682015070 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 180 1.443500e-04 0.890108933 1.614270e-04 2.888723e-01 1.593890e-04
## 482 1.945940e-04 0.625296631 7.199080e-05 6.566772e-02 1.067390e-04
## 319 7.928730e-04 0.819087899 1.712840e-03 3.774830e-01 1.759255e-03
## 38 6.300830e-04 0.496536033 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 388 8.708760e-04 0.246795518 1.599250e-04 2.853873e-02 1.986970e-04
## 309 7.167765e-03 0.382479372 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 78 6.850230e-04 0.338103869 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 7 4.413530e-05 0.272152890 2.250600e-06 4.027446e-03 2.044580e-06
## 12 3.789724e-02 0.925113250 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 211 0.000000e+00 0.000000000 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 167 1.471919e-03 0.582559876 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 377 8.126930e-04 0.672367987 1.146154e-03 4.872929e-01 1.132348e-03
## 332 1.163080e-04 0.164865346 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 144 5.862019e-03 0.708357758 7.520757e-03 1.460998e-01 8.608381e-03
## 260 4.835871e-03 0.705244347 6.515250e-03 4.487937e-01 6.730254e-03
## 453 1.276025e-03 0.846403025 2.465343e-03 6.647989e-01 1.769485e-03
## 491 1.068533e-03 0.683070655 1.051550e-04 2.045286e-02 4.188780e-04
## 52 4.894238e-03 0.809236032 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 206 9.380170e-04 0.917218042 8.510800e-04 3.087154e-01 8.507230e-04
## 160 2.570910e-04 0.604761984 1.122750e-04 3.949307e-02 4.939990e-04
## 277 5.788731e-02 0.995385233 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 88 1.161060e-04 0.715947965 3.705480e-05 6.630948e-02 4.391570e-05
## 1 1.061220e-04 0.341005633 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 426 7.064410e-04 0.616184146 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 353 2.928384e-03 0.516151858 4.763520e-04 2.236076e-02 2.700562e-03
## 157 2.749930e-04 0.445520653 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 368 3.905350e-03 0.669777373 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 365 1.280530e-04 0.789616894 2.994240e-04 5.358183e-01 2.382750e-04
## 57 3.567244e-03 0.876140697 1.005949e-02 5.551216e-01 1.165126e-02
## 493 3.313137e-03 0.342458542 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 259 3.694355e-02 0.756460616 -9.999900e+04 -9.999900e+04 -9.999900e+04

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## 265 0.000000e+00 0.000000000 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 307 3.647320e-04 0.503787084 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 170 1.973560e-04 0.204890404 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 121 1.119759e-02 0.764328772 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 276 0.000000e+00 0.000000000 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 394 8.935690e-04 0.609366962 5.310680e-04 1.016270e-01 7.838720e-04
## 32 0.000000e+00 0.000000000 0.000000e+00 0.000000e+00 0.000000e+00
## 2 2.682340e-03 0.761707222 7.232256e-03 3.344442e-01 6.768949e-03
## 219 4.024430e-04 0.081625107 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 327 3.016814e-03 0.112858687 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 257 3.982180e-04 0.368533823 2.905100e-04 1.002216e-01 4.387150e-04
## 227 3.563130e-04 0.236346883 2.626950e-04 7.083775e-02 2.996020e-04
## 195 5.150490e-04 0.351236263 2.399060e-04 4.590924e-02 3.193730e-04
## 59 1.798600e-05 0.110907290 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 497 7.851550e-04 0.129457664 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 311 5.668032e-03 0.424985379 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 363 1.063978e-03 0.568985037 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 46 3.070806e-03 0.506319727 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 490 4.760580e-04 0.797590831 8.275480e-04 4.640424e-01 6.605850e-04
## 286 1.145640e-04 0.706441093 3.881070e-05 6.945165e-02 3.173650e-05
## 256 1.205749e-03 0.611671619 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 41 2.390080e-04 0.387233186 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 462 1.196221e-03 0.782591479 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 110 0.000000e+00 0.000000000 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 249 1.045470e-04 0.241480908 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 185 3.912327e-03 0.556984873 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 150 3.316401e-03 0.801916780 1.160956e-02 4.371872e-01 1.254075e-02
## 331 5.209360e-04 0.494911866 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 271 0.000000e+00 0.000000000 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 268 1.296945e-03 0.867913978 2.173769e-03 2.534272e-01 2.281592e-03
## 463 1.370595e-03 0.826388066 1.683479e-03 3.564909e-01 1.443900e-03
## 495 1.582691e-03 0.402437446 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 362 2.517800e-04 0.809056016 4.062980e-04 3.706124e-01 3.378830e-04
## 460 4.595190e-04 0.744473571 1.014184e-03 4.599994e-01 8.667830e-04
## 330 5.033570e-04 0.713501005 2.153920e-04 1.001754e-01 2.817930e-04
## 231 5.075970e-04 0.526975230 1.572659e-03 5.011587e-01 2.122290e-03
## 19 6.652870e-04 0.690685311 2.250266e-03 7.170913e-01 1.985594e-03
## 142 1.400490e-04 0.863586542 1.032660e-04 1.847941e-01 1.164140e-04
## 472 1.730569e-02 0.580727144 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 279 8.489660e-05 0.523500163 7.443190e-06 1.331956e-02 1.734850e-05
## 295 7.430860e-04 0.162884999 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 148 0.000000e+00 0.000000000 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 99 1.572340e-04 0.121363246 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 373 2.881950e-04 0.399224885 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 312 7.529450e-04 0.233922484 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 393 1.110941e-03 0.293660666 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 173 1.222630e-05 0.075391324 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 162 5.917060e-04 0.614295620 2.270830e-04 7.236444e-02 2.643690e-04
## 374 4.185070e-04 0.579741131 2.712120e-04 1.083269e-01 5.150130e-04
## 76 1.076440e-04 0.345897410 8.705470e-05 7.940858e-02 1.559450e-04
## 500 1.923490e-04 0.366140854 6.577450e-05 2.256874e-02 5.352130e-05
## 216 0.000000e+00 0.000000000 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 411 5.895910e-04 0.683428894 1.736086e-03 2.321999e-01 1.186172e-03
## 230 1.811178e-03 0.965223800 5.048810e-03 7.059797e-01 3.333113e-03

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## 16 0.000000e+00 0.000000000 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 222 0.000000e+00 0.000000000 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 8 9.121270e-05 0.562447439 2.121960e-04 3.797244e-01 1.943180e-04
## 340 0.000000e+00 0.000000000 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 22 2.035080e-04 0.470057007 1.138010e-05 9.595623e-03 1.888640e-05
## 128 4.162850e-05 0.176713802 4.621400e-05 7.131207e-02 8.230650e-05
## 469 8.929400e-04 0.597554426 1.669270e-04 1.946107e-02 2.554210e-04
## 109 6.018036e-03 0.671434293 1.164770e-02 4.859659e-01 1.143505e-02
## 50 1.092611e-02 0.438313413 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 69 2.350980e-04 0.479309061 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 403 5.257410e-05 0.100076178 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 442 1.055953e-03 0.612599607 3.230240e-05 7.477333e-03 2.485900e-05
## 143 3.484940e-04 0.564600643 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 168 6.511480e-04 0.636709788 1.398546e-03 5.073000e-01 1.500919e-03
## 360 6.174850e-04 0.641058978 1.984590e-04 6.324273e-02 1.196430e-04
## 20 1.119165e-03 0.918507853 1.274294e-03 3.569980e-01 1.168390e-03
## 440 2.658870e-05 0.044546901 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 451 4.654810e-04 0.539565393 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 196 7.012699e-03 0.307318680 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 27 7.201638e-03 0.292863860 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 134 4.792590e-04 0.429549074 2.220630e-06 4.237050e-04 3.872640e-05
## 494 1.446660e-05 0.089205739 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 205 1.306900e-04 0.211732646 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 294 9.752160e-05 0.601350125 1.149530e-04 2.057075e-01 1.360350e-04
## 123 1.726474e-02 0.695954230 6.319026e-02 9.787578e-01 6.144675e-02
## 253 0.000000e+00 0.000000000 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 466 3.481370e-04 0.482261272 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 139 8.008180e-04 0.657238220 4.693230e-04 1.314826e-01 7.521230e-04
## 95 0.000000e+00 0.000000000 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 369 6.926430e-04 0.719085866 1.224801e-03 3.903070e-01 1.530146e-03
## 127 4.264074e-03 0.319717486 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 484 6.315850e-05 0.073210632 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 450 0.000000e+00 0.000000000 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 72 8.619320e-04 0.679244639 2.445053e-03 4.621388e-01 3.243516e-03
## 204 4.513420e-04 0.355679427 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 301 5.522450e-04 0.456890525 8.421600e-05 3.580485e-02 5.116490e-05
## 465 1.206672e-03 0.724510718 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 339 5.116554e-03 0.480081497 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 328 8.198100e-05 0.505521307 1.144360e-04 2.047834e-01 1.264450e-04
## 299 2.429897e-03 0.938271605 3.768375e-03 5.669776e-01 2.883464e-03
## 349 1.824530e-05 0.112506287 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 399 2.425170e-05 0.019111541 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 92 7.778425e-03 0.932581621 8.366604e-03 4.200026e-01 7.816986e-03
## 467 9.883940e-04 0.885874975 2.374604e-03 4.530840e-01 2.094261e-03
## 352 1.018929e-03 0.842993696 1.580205e-03 6.718318e-01 1.715743e-03
## 232 0.000000e+00 0.000000000 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 13 7.804190e-04 0.498890731 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 104 3.129970e-04 0.433582429 2.572480e-04 1.027492e-01 7.718420e-04
## 80 0.000000e+00 0.000000000 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 131 2.941220e-04 0.130350691 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 376 3.644140e-05 0.224709780 2.841600e-06 5.085033e-03 4.416620e-06
## 166 0.000000e+00 0.000000000 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 478 8.668550e-04 0.776942730 2.701330e-04 5.154247e-02 5.283150e-04
## 264 2.881724e-03 0.917200682 1.285596e-03 1.184908e-01 1.293098e-03

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## 254 8.212802e-03 0.861051056 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 129 6.360520e-05 0.392210337 4.107450e-06 7.350265e-03 1.018590e-05
## 292 7.291940e-04 0.598455497 3.199410e-04 8.963256e-02 3.982790e-04
## 430 3.846129e-03 0.775155998 4.166140e-04 2.657781e-02 1.106389e-03
## 130 1.037613e-03 0.563990088 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 183 3.747050e-04 0.531139537 9.348470e-04 4.347816e-01 9.065170e-04
## 325 2.113820e-04 0.402371729 6.752380e-04 2.316899e-01 7.110360e-04
## 280 6.453910e-04 0.894035959 1.156776e-03 4.620366e-01 9.701450e-04
## 420 1.096290e-04 0.465375841 7.779990e-05 1.200517e-01 5.318330e-05
## 18 9.872954e-03 0.794497023 1.777900e-02 6.575801e-01 1.776150e-02
## 74 2.931610e-04 0.677134571 1.549550e-04 1.306570e-01 3.102490e-04
## 153 0.000000e+00 0.000000000 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 447 1.399106e-02 0.865363436 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 172 6.587570e-04 0.909911006 1.105683e-03 4.348705e-01 1.240193e-03
## 79 1.284790e-04 0.545396378 1.706800e-04 2.633728e-01 1.436200e-04
## 344 9.113130e-05 0.561945549 8.540630e-05 1.528342e-01 1.168450e-04
## 354 3.377100e-04 0.688511148 1.179837e-03 5.254646e-01 1.179657e-03
## 225 2.442620e-05 0.150619844 1.745630e-06 3.123794e-03 3.393160e-06
## 239 1.078410e-04 0.664985405 1.821050e-04 3.258759e-01 1.961240e-04
## 220 4.908010e-04 0.531918704 1.938850e-04 5.947146e-02 2.731490e-04
## 94 7.925953e-03 0.694252874 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 288 7.758620e-04 0.840861386 9.599090e-04 2.944388e-01 1.050640e-03
## 62 4.209234e-03 0.842853516 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 251 3.142950e-04 0.725949646 5.308290e-04 4.475904e-01 4.646120e-04
## 389 1.356790e-05 0.083664211 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 382 2.592907e-03 0.361191357 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 246 3.202158e-03 0.544389115 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 425 4.417803e-03 0.689111034 1.650524e-03 8.022790e-02 4.292913e-03
## 174 1.512990e-03 0.809104169 2.497913e-03 3.795283e-01 1.925888e-03
## 296 1.685909e-03 0.667253427 4.534614e-03 6.336973e-01 4.700490e-03
## 461 8.887740e-04 0.891220024 6.173710e-04 2.274625e-01 6.064290e-04
## 367 4.722309e-03 0.886582065 6.652801e-03 6.545965e-01 6.399001e-03
## 48 1.385917e-02 0.679643232 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 408 9.293210e-04 0.379479987 -9.999900e+04 -9.999900e+04 -9.999900e+04
## 218 5.914104e-03 0.714651529 2.079088e-03 4.038880e-02 9.997110e-04
##          D5DEI D2A_Ranked D2B_Ranked D3B_Ranked D4A_Ranked NatWalkInd
## 429 -9.999900e+04          13           3           4           1  4.333333
## 297  9.445706e-01          10           7          11          16 11.833333
## 221 -9.999900e+04          13           4           7           1  5.500000
## 83   3.471639e-02           9          16          15          14 13.833333
## 431 -9.999900e+04           2          12           6           1  4.666667
## 284 -9.999900e+04          11          12           6           1  6.166667
## 159  6.515146e-01          11           9          11          20 13.666667
## 263 -9.999900e+04           9           4           3           1  3.500000
## 435  6.226008e-01          20          15           9          16 14.166667
## 302 -9.999900e+04           8           5           2           1  3.166667
## 485  3.221892e-02           9          17          14          15 14.000000
## 250 -9.999900e+04           7          10           4           1  4.500000
## 410  4.626264e-01           3           9          16          18 13.333333
## 445  3.206765e-01           9          13          15          18 14.666667
## 63   7.031451e-01          11          18          11          13 12.833333
## 247  1.085995e-01           8          10          11          15 11.666667
## 415 -9.999900e+04           6           7          12           1  6.500000
## 194  8.996587e-02          17          11          19          18 17.000000

```

| | | | | | | |
|--------|---------------|----|----|----|----|-----------|
| ## 390 | -9.999900e+04 | 15 | 14 | 4 | 1 | 6.500000 |
| ## 191 | -9.999900e+04 | 18 | 17 | 11 | 1 | 9.833333 |
| ## 477 | 1.999703e-01 | 11 | 13 | 7 | 14 | 11.000000 |
| ## 468 | -9.999900e+04 | 15 | 19 | 20 | 1 | 12.666667 |
| ## 70 | -9.999900e+04 | 3 | 3 | 10 | 1 | 4.666667 |
| ## 229 | 4.642898e-02 | 3 | 19 | 13 | 19 | 14.333333 |
| ## 97 | -9.999900e+04 | 9 | 4 | 11 | 1 | 6.166667 |
| ## 112 | 4.406600e-01 | 10 | 3 | 18 | 19 | 14.500000 |
| ## 458 | -9.999900e+04 | 5 | 10 | 3 | 1 | 3.833333 |
| ## 126 | -9.999900e+04 | 8 | 18 | 16 | 1 | 10.000000 |
| ## 434 | 1.644771e-01 | 9 | 17 | 15 | 14 | 14.000000 |
| ## 372 | -9.999900e+04 | 8 | 8 | 5 | 1 | 4.666667 |
| ## 171 | -9.999900e+04 | 1 | 1 | 1 | 1 | 1.000000 |
| ## 455 | -9.999900e+04 | 20 | 14 | 6 | 1 | 8.000000 |
| ## 432 | 7.385838e-01 | 19 | 17 | 15 | 14 | 15.666667 |
| ## 437 | 2.655084e-01 | 8 | 5 | 16 | 18 | 13.500000 |
| ## 215 | -9.999900e+04 | 15 | 14 | 8 | 1 | 7.833333 |
| ## 441 | -9.999900e+04 | 11 | 6 | 14 | 1 | 7.833333 |
| ## 213 | 9.148210e-04 | 7 | 8 | 15 | 16 | 12.833333 |
| ## 118 | 9.953658e-03 | 15 | 19 | 13 | 15 | 15.000000 |
| ## 456 | 2.644001e-01 | 5 | 4 | 1 | 17 | 7.500000 |
| ## 58 | -9.999900e+04 | 13 | 4 | 4 | 1 | 4.500000 |
| ## 379 | 9.142325e-02 | 7 | 5 | 10 | 19 | 11.666667 |
| ## 407 | 3.416192e-01 | 20 | 20 | 8 | 14 | 14.000000 |
| ## 422 | 2.451128e-01 | 3 | 6 | 12 | 14 | 10.166667 |
| ## 351 | 1.963407e-01 | 1 | 6 | 15 | 16 | 11.500000 |
| ## 452 | 9.315542e-02 | 9 | 12 | 9 | 13 | 10.833333 |
| ## 366 | 3.413534e-01 | 11 | 15 | 11 | 14 | 12.666667 |
| ## 397 | -9.999900e+04 | 15 | 14 | 6 | 1 | 7.166667 |
| ## 201 | -9.999900e+04 | 15 | 17 | 3 | 1 | 6.666667 |
| ## 10 | -9.999900e+04 | 9 | 8 | 16 | 1 | 8.500000 |
| ## 480 | -9.999900e+04 | 3 | 18 | 3 | 1 | 4.833333 |
| ## 446 | -9.999900e+04 | 4 | 3 | 9 | 1 | 4.500000 |
| ## 82 | 3.404001e-02 | 6 | 4 | 10 | 13 | 9.333333 |
| ## 151 | -9.999900e+04 | 7 | 7 | 10 | 1 | 6.000000 |
| ## 236 | -9.999900e+04 | 9 | 12 | 4 | 1 | 5.166667 |
| ## 237 | 7.077974e-01 | 17 | 13 | 20 | 20 | 18.333333 |
| ## 479 | -9.999900e+04 | 17 | 16 | 3 | 1 | 6.833333 |
| ## 383 | -9.999900e+04 | 9 | 5 | 3 | 1 | 3.666667 |
| ## 75 | 3.116801e-03 | 18 | 20 | 10 | 20 | 16.333333 |
| ## 350 | -9.999900e+04 | 16 | 10 | 1 | 1 | 5.000000 |
| ## 310 | 1.263078e-01 | 17 | 15 | 20 | 19 | 18.333333 |
| ## 475 | -9.999900e+04 | 12 | 2 | 17 | 1 | 8.333333 |
| ## 101 | -9.999900e+04 | 16 | 14 | 11 | 1 | 9.000000 |
| ## 65 | -9.999900e+04 | 17 | 11 | 5 | 1 | 6.666667 |
| ## 291 | -9.999900e+04 | 19 | 18 | 8 | 1 | 9.166667 |
| ## 199 | -9.999900e+04 | 4 | 6 | 3 | 1 | 3.000000 |
| ## 436 | 3.561147e-01 | 20 | 16 | 17 | 15 | 16.666667 |
| ## 387 | 2.823415e-03 | 14 | 10 | 13 | 15 | 13.333333 |
| ## 100 | -9.999900e+04 | 15 | 11 | 9 | 1 | 7.666667 |
| ## 334 | -9.999900e+04 | 8 | 9 | 10 | 1 | 6.500000 |
| ## 439 | 1.251194e-01 | 5 | 11 | 19 | 13 | 13.333333 |
| ## 87 | 5.305798e-01 | 19 | 16 | 15 | 17 | 16.500000 |
| ## 333 | 2.775447e-01 | 13 | 14 | 16 | 16 | 15.166667 |

| | | | | | | |
|--------|---------------|----|----|----|----|-----------|
| ## 184 | -9.999900e+04 | 19 | 19 | 12 | 1 | 10.666667 |
| ## 186 | 1.798333e-01 | 15 | 20 | 19 | 18 | 18.166667 |
| ## 49 | -9.999900e+04 | 6 | 11 | 2 | 1 | 3.833333 |
| ## 357 | 3.315077e-01 | 2 | 5 | 19 | 17 | 13.166667 |
| ## 224 | -9.999900e+04 | 1 | 1 | 11 | 1 | 4.333333 |
| ## 486 | -9.999900e+04 | 19 | 17 | 4 | 1 | 7.666667 |
| ## 164 | -9.999900e+04 | 12 | 5 | 7 | 1 | 5.500000 |
| ## 226 | 1.233096e-01 | 8 | 15 | 10 | 15 | 12.166667 |
| ## 404 | 2.963273e-02 | 10 | 15 | 17 | 16 | 15.166667 |
| ## 272 | 6.566823e-01 | 10 | 3 | 17 | 14 | 12.500000 |
| ## 238 | -9.999900e+04 | 10 | 19 | 3 | 1 | 6.166667 |
| ## 140 | -9.999900e+04 | 20 | 18 | 2 | 1 | 7.333333 |
| ## 31 | -9.999900e+04 | 19 | 15 | 7 | 1 | 8.333333 |
| ## 313 | -9.999900e+04 | 8 | 8 | 2 | 1 | 3.666667 |
| ## 359 | -9.999900e+04 | 14 | 16 | 6 | 1 | 7.333333 |
| ## 181 | -9.999900e+04 | 7 | 9 | 1 | 1 | 3.333333 |
| ## 90 | 6.759794e-01 | 15 | 20 | 19 | 15 | 17.166667 |
| ## 444 | -9.999900e+04 | 13 | 6 | 18 | 1 | 9.500000 |
| ## 85 | -9.999900e+04 | 20 | 16 | 6 | 1 | 8.333333 |
| ## 187 | -9.999900e+04 | 5 | 12 | 8 | 1 | 5.833333 |
| ## 30 | -9.999900e+04 | 16 | 12 | 10 | 1 | 8.333333 |
| ## 304 | 2.880272e-01 | 11 | 12 | 6 | 13 | 10.166667 |
| ## 202 | -9.999900e+04 | 1 | 10 | 7 | 1 | 4.500000 |
| ## 37 | -9.999900e+04 | 3 | 9 | 2 | 1 | 3.000000 |
| ## 287 | -9.999900e+04 | 20 | 20 | 19 | 1 | 13.333333 |
| ## 471 | -9.999900e+04 | 13 | 2 | 10 | 1 | 6.166667 |
| ## 314 | 3.729356e-02 | 16 | 20 | 11 | 13 | 14.000000 |
| ## 36 | 2.038888e-01 | 4 | 13 | 12 | 19 | 13.166667 |
| ## 5 | -9.999900e+04 | 5 | 5 | 1 | 1 | 2.333333 |
| ## 108 | -9.999900e+04 | 9 | 11 | 7 | 1 | 6.000000 |
| ## 47 | 2.555340e-01 | 5 | 5 | 5 | 18 | 9.333333 |
| ## 89 | 4.615475e-01 | 7 | 1 | 18 | 17 | 13.000000 |
| ## 454 | -9.999900e+04 | 4 | 19 | 4 | 1 | 5.500000 |
| ## 336 | -9.999900e+04 | 8 | 3 | 19 | 1 | 8.500000 |
| ## 252 | -9.999900e+04 | 7 | 10 | 4 | 1 | 4.500000 |
| ## 464 | 8.349009e-01 | 11 | 17 | 20 | 19 | 17.666667 |
| ## 212 | -9.999900e+04 | 17 | 16 | 4 | 1 | 7.166667 |
| ## 233 | 3.445093e-01 | 20 | 20 | 17 | 19 | 18.666667 |
| ## 428 | 1.167311e-01 | 20 | 1 | 15 | 18 | 14.500000 |
| ## 154 | -9.999900e+04 | 3 | 7 | 1 | 1 | 2.333333 |
| ## 40 | 1.837951e-01 | 7 | 3 | 19 | 14 | 12.666667 |
| ## 356 | -9.999900e+04 | 8 | 11 | 2 | 1 | 4.166667 |
| ## 473 | 3.779095e-01 | 18 | 2 | 11 | 20 | 13.666667 |
| ## 133 | 3.675692e-02 | 20 | 19 | 16 | 20 | 18.500000 |
| ## 152 | 2.980761e-01 | 6 | 16 | 13 | 17 | 13.666667 |
| ## 4 | -9.999900e+04 | 8 | 6 | 2 | 1 | 3.333333 |
| ## 56 | -9.999900e+04 | 9 | 8 | 7 | 1 | 5.500000 |
| ## 384 | -9.999900e+04 | 12 | 18 | 13 | 1 | 9.666667 |
| ## 145 | -9.999900e+04 | 1 | 11 | 1 | 1 | 2.666667 |
| ## 234 | -9.999900e+04 | 19 | 19 | 10 | 1 | 10.000000 |
| ## 361 | 1.125044e-01 | 2 | 9 | 19 | 18 | 14.166667 |
| ## 348 | -9.999900e+04 | 2 | 5 | 11 | 1 | 5.166667 |
| ## 197 | -9.999900e+04 | 8 | 8 | 7 | 1 | 5.333333 |
| ## 136 | 2.906446e-03 | 3 | 14 | 5 | 16 | 9.833333 |

| | | | | | | |
|--------|---------------|----|----|----|----|-----------|
| ## 192 | 4.934753e-01 | 10 | 1 | 20 | 20 | 15.166667 |
| ## 258 | -9.999900e+04 | 14 | 6 | 2 | 1 | 4.333333 |
| ## 61 | 6.534787e-02 | 2 | 13 | 15 | 13 | 11.833333 |
| ## 240 | 1.544189e-01 | 17 | 13 | 20 | 20 | 18.333333 |
| ## 293 | -9.999900e+04 | 3 | 14 | 13 | 1 | 7.500000 |
| ## 255 | -9.999900e+04 | 2 | 2 | 1 | 1 | 1.333333 |
| ## 245 | 1.083534e-01 | 5 | 5 | 6 | 20 | 10.333333 |
| ## 77 | 1.099908e-01 | 10 | 8 | 19 | 13 | 13.666667 |
| ## 156 | -9.999900e+04 | 2 | 3 | 7 | 1 | 3.500000 |
| ## 43 | 1.766203e-01 | 14 | 8 | 19 | 16 | 15.333333 |
| ## 474 | -9.999900e+04 | 7 | 20 | 5 | 1 | 6.500000 |
| ## 449 | -9.999900e+04 | 1 | 1 | 7 | 1 | 3.000000 |
| ## 214 | -9.999900e+04 | 2 | 4 | 14 | 1 | 6.000000 |
| ## 91 | 1.796307e-01 | 3 | 2 | 19 | 17 | 12.833333 |
| ## 285 | -9.999900e+04 | 4 | 10 | 3 | 1 | 3.666667 |
| ## 364 | -9.999900e+04 | 6 | 13 | 19 | 1 | 9.833333 |
| ## 178 | -9.999900e+04 | 5 | 2 | 2 | 1 | 2.166667 |
| ## 93 | 6.017203e-02 | 12 | 8 | 18 | 14 | 14.000000 |
| ## 84 | 4.576232e-01 | 5 | 2 | 20 | 19 | 14.166667 |
| ## 146 | 3.275585e-02 | 5 | 10 | 7 | 13 | 9.166667 |
| ## 64 | -9.999900e+04 | 3 | 6 | 10 | 1 | 5.166667 |
| ## 326 | 3.496098e-02 | 14 | 16 | 19 | 16 | 16.666667 |
| ## 273 | -9.999900e+04 | 2 | 4 | 3 | 1 | 2.333333 |
| ## 355 | -9.999900e+04 | 9 | 4 | 12 | 1 | 6.500000 |
| ## 228 | -9.999900e+04 | 12 | 13 | 6 | 1 | 6.500000 |
| ## 117 | -9.999900e+04 | 7 | 9 | 8 | 1 | 5.666667 |
| ## 29 | -9.999900e+04 | 16 | 12 | 3 | 1 | 6.000000 |
| ## 45 | 7.273055e-03 | 10 | 14 | 19 | 16 | 15.666667 |
| ## 176 | 4.169832e-02 | 5 | 7 | 8 | 13 | 9.000000 |
| ## 198 | 4.309893e-01 | 7 | 6 | 19 | 18 | 14.500000 |
| ## 488 | -9.999900e+04 | 9 | 12 | 4 | 1 | 5.166667 |
| ## 35 | -9.999900e+04 | 4 | 10 | 6 | 1 | 4.666667 |
| ## 54 | -9.999900e+04 | 13 | 2 | 7 | 1 | 5.166667 |
| ## 208 | -9.999900e+04 | 1 | 1 | 16 | 1 | 6.000000 |
| ## 402 | -9.999900e+04 | 9 | 7 | 2 | 1 | 3.666667 |
| ## 417 | 4.164742e-01 | 1 | 1 | 20 | 19 | 13.333333 |
| ## 345 | -9.999900e+04 | 15 | 11 | 11 | 1 | 8.333333 |
| ## 60 | 7.983276e-02 | 18 | 18 | 18 | 16 | 17.333333 |
| ## 105 | -9.999900e+04 | 7 | 7 | 8 | 1 | 5.333333 |
| ## 283 | -9.999900e+04 | 5 | 2 | 10 | 1 | 4.833333 |
| ## 210 | -9.999900e+04 | 9 | 12 | 6 | 1 | 5.833333 |
| ## 207 | 1.019836e-01 | 10 | 3 | 7 | 16 | 9.833333 |
| ## 487 | 2.335276e-01 | 15 | 19 | 20 | 17 | 18.000000 |
| ## 33 | 2.419030e-01 | 14 | 5 | 10 | 13 | 10.833333 |
| ## 267 | 3.173345e-01 | 13 | 9 | 19 | 14 | 14.666667 |
| ## 163 | -9.999900e+04 | 1 | 9 | 9 | 1 | 5.000000 |
| ## 81 | -9.999900e+04 | 13 | 10 | 18 | 1 | 10.166667 |
| ## 223 | 4.310923e-01 | 19 | 9 | 16 | 20 | 16.666667 |
| ## 386 | -9.999900e+04 | 12 | 8 | 4 | 1 | 5.000000 |
| ## 343 | 4.453415e-01 | 9 | 7 | 14 | 20 | 14.000000 |
| ## 137 | 6.760390e-01 | 19 | 18 | 11 | 19 | 16.166667 |
| ## 483 | 5.101601e-01 | 3 | 15 | 17 | 20 | 15.333333 |
| ## 71 | -9.999900e+04 | 9 | 6 | 4 | 1 | 4.166667 |
| ## 358 | -9.999900e+04 | 12 | 4 | 9 | 1 | 6.000000 |

| | | | | | | |
|--------|---------------|----|----|----|----|-----------|
| ## 323 | -9.999900e+04 | 2 | 4 | 16 | 1 | 6.666667 |
| ## 385 | -9.999900e+04 | 7 | 9 | 3 | 1 | 4.000000 |
| ## 261 | -9.999900e+04 | 2 | 13 | 10 | 1 | 6.166667 |
| ## 17 | 3.547045e-02 | 19 | 18 | 10 | 16 | 14.833333 |
| ## 275 | 2.929304e-01 | 20 | 2 | 17 | 20 | 16.000000 |
| ## 338 | 9.911565e-02 | 15 | 6 | 12 | 15 | 12.500000 |
| ## 315 | -9.999900e+04 | 17 | 20 | 5 | 1 | 8.166667 |
| ## 189 | 3.515932e-01 | 2 | 3 | 18 | 18 | 12.833333 |
| ## 243 | 1.103672e-01 | 15 | 11 | 15 | 14 | 14.000000 |
| ## 179 | 6.019357e-01 | 6 | 20 | 20 | 20 | 17.666667 |
| ## 107 | -9.999900e+04 | 2 | 12 | 16 | 1 | 8.000000 |
| ## 305 | -9.999900e+04 | 13 | 9 | 15 | 1 | 9.000000 |
| ## 248 | -9.999900e+04 | 14 | 18 | 5 | 1 | 7.333333 |
| ## 419 | 1.739633e-01 | 18 | 16 | 20 | 16 | 17.666667 |
| ## 395 | 4.949531e-01 | 3 | 14 | 19 | 18 | 15.166667 |
| ## 496 | -9.999900e+04 | 2 | 2 | 3 | 1 | 2.000000 |
| ## 86 | -9.999900e+04 | 16 | 9 | 15 | 1 | 9.500000 |
| ## 438 | 1.672582e-01 | 8 | 7 | 13 | 14 | 11.500000 |
| ## 282 | -9.999900e+04 | 7 | 9 | 2 | 1 | 3.666667 |
| ## 23 | -9.999900e+04 | 12 | 10 | 9 | 1 | 7.000000 |
| ## 321 | 5.690581e-02 | 12 | 17 | 16 | 15 | 15.166667 |
| ## 406 | -9.999900e+04 | 12 | 9 | 2 | 1 | 4.500000 |
| ## 51 | 6.055295e-02 | 9 | 9 | 18 | 15 | 14.000000 |
| ## 55 | -9.999900e+04 | 13 | 7 | 10 | 1 | 7.000000 |
| ## 106 | -9.999900e+04 | 2 | 4 | 4 | 1 | 2.666667 |
| ## 427 | -9.999900e+04 | 13 | 2 | 20 | 1 | 9.500000 |
| ## 290 | -9.999900e+04 | 11 | 11 | 17 | 1 | 9.666667 |
| ## 324 | 5.986391e-01 | 8 | 5 | 14 | 19 | 13.166667 |
| ## 15 | 1.507823e-02 | 6 | 4 | 19 | 18 | 14.000000 |
| ## 303 | 5.919351e-01 | 1 | 1 | 19 | 18 | 12.666667 |
| ## 169 | -9.999900e+04 | 11 | 7 | 18 | 1 | 9.333333 |
| ## 116 | -9.999900e+04 | 19 | 20 | 6 | 1 | 8.833333 |
| ## 102 | -9.999900e+04 | 9 | 13 | 3 | 1 | 5.000000 |
| ## 262 | -9.999900e+04 | 13 | 18 | 8 | 1 | 8.166667 |
| ## 448 | -9.999900e+04 | 18 | 20 | 6 | 1 | 8.666667 |
| ## 380 | -9.999900e+04 | 14 | 15 | 7 | 1 | 7.500000 |
| ## 418 | -9.999900e+04 | 5 | 9 | 14 | 1 | 7.333333 |
| ## 489 | -9.999900e+04 | 20 | 17 | 11 | 1 | 10.166667 |
| ## 235 | -9.999900e+04 | 14 | 14 | 9 | 1 | 8.000000 |
| ## 457 | 2.145160e-01 | 8 | 10 | 18 | 18 | 15.000000 |
| ## 244 | -9.999900e+04 | 10 | 3 | 10 | 1 | 5.833333 |
| ## 25 | -9.999900e+04 | 18 | 7 | 4 | 1 | 5.833333 |
| ## 281 | 3.516854e-01 | 19 | 20 | 17 | 18 | 18.166667 |
| ## 119 | 1.491213e-01 | 11 | 10 | 14 | 15 | 13.166667 |
| ## 400 | -9.999900e+04 | 5 | 5 | 1 | 1 | 2.333333 |
| ## 481 | -9.999900e+04 | 10 | 8 | 8 | 1 | 6.000000 |
| ## 180 | 3.794389e-01 | 5 | 1 | 1 | 19 | 7.666667 |
| ## 482 | 1.374029e-01 | 18 | 12 | 11 | 15 | 13.666667 |
| ## 319 | 3.824490e-01 | 2 | 5 | 14 | 20 | 12.500000 |
| ## 38 | -9.999900e+04 | 2 | 7 | 7 | 1 | 4.166667 |
| ## 388 | 2.851649e-02 | 8 | 14 | 11 | 13 | 11.666667 |
| ## 309 | -9.999900e+04 | 2 | 1 | 4 | 1 | 2.166667 |
| ## 78 | -9.999900e+04 | 5 | 6 | 4 | 1 | 3.500000 |
| ## 7 | 4.867305e-03 | 20 | 20 | 10 | 14 | 14.666667 |

| | | | | | | |
|--------|---------------|----|----|----|----|-----------|
| ## 12 | -9.999900e+04 | 19 | 16 | 6 | 1 | 8.166667 |
| ## 211 | -9.999900e+04 | 12 | 15 | 1 | 1 | 5.166667 |
| ## 167 | -9.999900e+04 | 6 | 12 | 4 | 1 | 4.666667 |
| ## 377 | 4.702210e-01 | 7 | 7 | 13 | 16 | 12.000000 |
| ## 332 | -9.999900e+04 | 9 | 4 | 10 | 1 | 5.833333 |
| ## 144 | 1.385110e-01 | 20 | 20 | 9 | 19 | 16.000000 |
| ## 260 | 4.342293e-01 | 16 | 18 | 12 | 13 | 14.000000 |
| ## 453 | 5.902831e-01 | 15 | 16 | 18 | 20 | 17.833333 |
| ## 491 | 7.161522e-02 | 5 | 18 | 16 | 13 | 13.500000 |
| ## 52 | -9.999900e+04 | 2 | 11 | 10 | 1 | 5.833333 |
| ## 206 | 2.683732e-01 | 8 | 5 | 18 | 14 | 12.833333 |
| ## 160 | 1.430344e-01 | 2 | 10 | 11 | 16 | 11.000000 |
| ## 277 | -9.999900e+04 | 7 | 15 | 6 | 1 | 6.000000 |
| ## 88 | 1.045449e-01 | 15 | 9 | 20 | 18 | 16.666667 |
| ## 1 | -9.999900e+04 | 8 | 5 | 20 | 1 | 9.166667 |
| ## 426 | -9.999900e+04 | 2 | 12 | 9 | 1 | 5.666667 |
| ## 353 | 1.216892e-01 | 11 | 14 | 6 | 20 | 12.833333 |
| ## 157 | -9.999900e+04 | 11 | 14 | 12 | 1 | 8.500000 |
| ## 368 | -9.999900e+04 | 18 | 11 | 13 | 1 | 9.500000 |
| ## 365 | 5.672328e-01 | 17 | 20 | 17 | 20 | 18.500000 |
| ## 57 | 7.003169e-01 | 19 | 13 | 10 | 18 | 14.666667 |
| ## 493 | -9.999900e+04 | 11 | 2 | 7 | 1 | 4.833333 |
| ## 259 | -9.999900e+04 | 13 | 12 | 3 | 1 | 5.500000 |
| ## 265 | -9.999900e+04 | 17 | 18 | 4 | 1 | 7.500000 |
| ## 307 | -9.999900e+04 | 13 | 15 | 6 | 1 | 7.000000 |
| ## 170 | -9.999900e+04 | 2 | 19 | 14 | 1 | 8.500000 |
| ## 121 | -9.999900e+04 | 5 | 9 | 7 | 1 | 5.000000 |
| ## 276 | -9.999900e+04 | 12 | 16 | 1 | 1 | 5.333333 |
| ## 394 | 2.044915e-01 | 10 | 10 | 14 | 16 | 13.333333 |
| ## 32 | 0.000000e+00 | 15 | 6 | 16 | 13 | 13.166667 |
| ## 2 | 4.630986e-01 | 14 | 8 | 18 | 19 | 16.000000 |
| ## 219 | -9.999900e+04 | 4 | 2 | 2 | 1 | 2.000000 |
| ## 327 | -9.999900e+04 | 4 | 14 | 1 | 1 | 3.666667 |
| ## 257 | 1.361340e-01 | 20 | 20 | 15 | 17 | 17.333333 |
| ## 227 | 9.994426e-02 | 10 | 6 | 20 | 15 | 14.333333 |
| ## 195 | 8.331585e-02 | 6 | 13 | 6 | 13 | 9.500000 |
| ## 59 | -9.999900e+04 | 9 | 3 | 7 | 1 | 4.666667 |
| ## 497 | -9.999900e+04 | 2 | 4 | 1 | 1 | 1.666667 |
| ## 311 | -9.999900e+04 | 12 | 15 | 5 | 1 | 6.500000 |
| ## 363 | -9.999900e+04 | 10 | 9 | 8 | 1 | 6.166667 |
| ## 46 | -9.999900e+04 | 2 | 15 | 3 | 1 | 4.166667 |
| ## 490 | 3.607599e-01 | 14 | 12 | 18 | 19 | 16.666667 |
| ## 286 | 7.555127e-02 | 11 | 5 | 10 | 17 | 11.666667 |
| ## 256 | -9.999900e+04 | 19 | 19 | 6 | 1 | 8.666667 |
| ## 41 | -9.999900e+04 | 2 | 10 | 6 | 1 | 4.333333 |
| ## 462 | -9.999900e+04 | 12 | 5 | 14 | 1 | 7.833333 |
| ## 110 | -9.999900e+04 | 20 | 20 | 17 | 1 | 12.666667 |
| ## 249 | -9.999900e+04 | 10 | 2 | 8 | 1 | 5.000000 |
| ## 185 | -9.999900e+04 | 11 | 16 | 9 | 1 | 7.833333 |
| ## 150 | 4.988784e-01 | 18 | 15 | 12 | 18 | 15.500000 |
| ## 331 | -9.999900e+04 | 15 | 7 | 9 | 1 | 7.000000 |
| ## 271 | -9.999900e+04 | 4 | 15 | 2 | 1 | 4.166667 |
| ## 268 | 4.351518e-01 | 8 | 4 | 20 | 17 | 14.333333 |
| ## 463 | 2.923013e-01 | 11 | 5 | 19 | 17 | 14.666667 |

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|--------|---------------|----|----|----|----|-----------|
| ## 495 | -9.999900e+04 | 7 | 14 | 6 | 1 | 5.833333 |
| ## 362 | 4.349484e-01 | 11 | 11 | 9 | 19 | 13.000000 |
| ## 460 | 3.833086e-01 | 18 | 10 | 17 | 20 | 17.000000 |
| ## 330 | 1.535808e-01 | 7 | 6 | 11 | 20 | 12.500000 |
| ## 231 | 5.626753e-01 | 12 | 1 | 13 | 17 | 12.166667 |
| ## 19 | 5.264337e-01 | 13 | 7 | 12 | 17 | 13.000000 |
| ## 142 | 2.771328e-01 | 6 | 16 | 9 | 20 | 13.333333 |
| ## 472 | -9.999900e+04 | 12 | 5 | 4 | 1 | 4.500000 |
| ## 279 | 4.129962e-02 | 18 | 20 | 19 | 20 | 19.333333 |
| ## 295 | -9.999900e+04 | 9 | 11 | 2 | 1 | 4.333333 |
| ## 148 | -9.999900e+04 | 2 | 6 | 2 | 1 | 2.333333 |
| ## 99 | -9.999900e+04 | 10 | 12 | 3 | 1 | 5.000000 |
| ## 373 | -9.999900e+04 | 8 | 5 | 11 | 1 | 6.166667 |
| ## 312 | -9.999900e+04 | 9 | 9 | 6 | 1 | 5.333333 |
| ## 393 | -9.999900e+04 | 3 | 7 | 1 | 1 | 2.333333 |
| ## 173 | -9.999900e+04 | 18 | 16 | 11 | 1 | 9.666667 |
| ## 162 | 7.009132e-02 | 15 | 11 | 15 | 15 | 14.333333 |
| ## 374 | 2.515299e-01 | 8 | 19 | 14 | 14 | 13.833333 |
| ## 76 | 2.007444e-01 | 19 | 20 | 19 | 17 | 18.500000 |
| ## 500 | 2.209334e-02 | 8 | 5 | 11 | 15 | 10.833333 |
| ## 216 | -9.999900e+04 | 19 | 14 | 5 | 1 | 7.500000 |
| ## 411 | 1.579333e-01 | 19 | 16 | 18 | 14 | 16.500000 |
| ## 230 | 5.078160e-01 | 19 | 16 | 13 | 16 | 15.500000 |
| ## 16 | -9.999900e+04 | 13 | 5 | 2 | 1 | 4.000000 |
| ## 222 | -9.999900e+04 | 1 | 1 | 20 | 1 | 7.333333 |
| ## 8 | 4.625911e-01 | 2 | 4 | 15 | 16 | 11.333333 |
| ## 340 | -9.999900e+04 | 15 | 19 | 4 | 1 | 7.333333 |
| ## 22 | 1.519488e-02 | 9 | 11 | 14 | 13 | 12.333333 |
| ## 128 | 1.108755e-01 | 20 | 18 | 15 | 14 | 16.000000 |
| ## 469 | 4.871457e-02 | 20 | 20 | 11 | 13 | 14.666667 |
| ## 109 | 6.265785e-01 | 6 | 17 | 16 | 16 | 14.500000 |
| ## 50 | -9.999900e+04 | 7 | 4 | 1 | 1 | 2.500000 |
| ## 69 | -9.999900e+04 | 17 | 9 | 20 | 1 | 11.333333 |
| ## 403 | -9.999900e+04 | 13 | 4 | 4 | 1 | 4.500000 |
| ## 442 | 5.928833e-03 | 7 | 17 | 13 | 15 | 13.333333 |
| ## 143 | -9.999900e+04 | 19 | 12 | 11 | 1 | 9.166667 |
| ## 168 | 4.734874e-01 | 2 | 3 | 14 | 17 | 11.166667 |
| ## 360 | 3.172048e-02 | 8 | 2 | 6 | 18 | 9.666667 |
| ## 20 | 3.354697e-01 | 17 | 13 | 13 | 15 | 14.333333 |
| ## 440 | -9.999900e+04 | 12 | 19 | 8 | 1 | 8.166667 |
| ## 451 | -9.999900e+04 | 18 | 13 | 10 | 1 | 8.833333 |
| ## 196 | -9.999900e+04 | 6 | 9 | 2 | 1 | 3.500000 |
| ## 27 | -9.999900e+04 | 10 | 10 | 1 | 1 | 4.000000 |
| ## 134 | 8.015731e-03 | 6 | 10 | 16 | 14 | 12.666667 |
| ## 494 | -9.999900e+04 | 10 | 3 | 9 | 1 | 5.500000 |
| ## 205 | -9.999900e+04 | 17 | 18 | 13 | 1 | 10.500000 |
| ## 294 | 3.238424e-01 | 5 | 2 | 15 | 16 | 11.500000 |
| ## 123 | 9.917910e-01 | 20 | 20 | 19 | 18 | 19.000000 |
| ## 253 | -9.999900e+04 | 1 | 1 | 2 | 1 | 1.333333 |
| ## 466 | -9.999900e+04 | 3 | 3 | 18 | 1 | 7.333333 |
| ## 139 | 2.159505e-01 | 19 | 14 | 12 | 15 | 14.500000 |
| ## 95 | -9.999900e+04 | 6 | 8 | 2 | 1 | 3.333333 |
| ## 369 | 4.056824e-01 | 10 | 10 | 16 | 20 | 15.333333 |
| ## 127 | -9.999900e+04 | 7 | 17 | 4 | 1 | 5.666667 |

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|--------|---------------|----|----|----|----|-----------|
| ## 484 | -9.999900e+04 | 6 | 10 | 5 | 1 | 4.666667 |
| ## 450 | -9.999900e+04 | 3 | 13 | 2 | 1 | 3.666667 |
| ## 72 | 5.380107e-01 | 20 | 19 | 19 | 18 | 18.833333 |
| ## 204 | -9.999900e+04 | 4 | 2 | 3 | 1 | 2.333333 |
| ## 301 | 2.124685e-02 | 17 | 15 | 16 | 13 | 15.000000 |
| ## 465 | -9.999900e+04 | 20 | 19 | 12 | 1 | 10.833333 |
| ## 339 | -9.999900e+04 | 13 | 15 | 4 | 1 | 6.333333 |
| ## 328 | 3.010123e-01 | 9 | 2 | 8 | 18 | 10.500000 |
| ## 299 | 4.490250e-01 | 8 | 2 | 19 | 20 | 14.666667 |
| ## 349 | -9.999900e+04 | 8 | 3 | 8 | 1 | 4.833333 |
| ## 399 | -9.999900e+04 | 13 | 14 | 4 | 1 | 6.166667 |
| ## 92 | 3.535938e-01 | 5 | 1 | 13 | 15 | 10.333333 |
| ## 467 | 4.334776e-01 | 6 | 7 | 17 | 18 | 13.833333 |
| ## 352 | 7.124827e-01 | 11 | 2 | 20 | 16 | 14.166667 |
| ## 232 | -9.999900e+04 | 18 | 20 | 14 | 1 | 11.333333 |
| ## 13 | -9.999900e+04 | 3 | 5 | 10 | 1 | 5.000000 |
| ## 104 | 3.769641e-01 | 6 | 12 | 14 | 16 | 13.000000 |
| ## 80 | -9.999900e+04 | 12 | 6 | 2 | 1 | 4.000000 |
| ## 131 | -9.999900e+04 | 8 | 13 | 2 | 1 | 4.500000 |
| ## 376 | 1.051413e-02 | 19 | 17 | 8 | 13 | 13.000000 |
| ## 166 | -9.999900e+04 | 16 | 14 | 2 | 1 | 6.000000 |
| ## 478 | 1.093526e-01 | 20 | 15 | 20 | 15 | 17.500000 |
| ## 264 | 1.302423e-01 | 20 | 18 | 12 | 20 | 17.000000 |
| ## 254 | -9.999900e+04 | 18 | 15 | 8 | 1 | 8.500000 |
| ## 129 | 2.424830e-02 | 9 | 17 | 14 | 16 | 14.333333 |
| ## 292 | 1.143542e-01 | 19 | 20 | 12 | 14 | 15.166667 |
| ## 430 | 6.994087e-02 | 15 | 10 | 6 | 14 | 10.833333 |
| ## 130 | -9.999900e+04 | 9 | 13 | 11 | 1 | 7.666667 |
| ## 183 | 4.940628e-01 | 2 | 20 | 20 | 16 | 15.666667 |
| ## 325 | 2.935121e-01 | 20 | 19 | 16 | 18 | 17.833333 |
| ## 280 | 4.738148e-01 | 14 | 11 | 16 | 17 | 15.166667 |
| ## 420 | 7.164350e-02 | 14 | 5 | 15 | 20 | 14.833333 |
| ## 18 | 5.989555e-01 | 18 | 12 | 19 | 20 | 18.000000 |
| ## 74 | 2.496085e-01 | 2 | 12 | 19 | 19 | 15.000000 |
| ## 153 | -9.999900e+04 | 20 | 20 | 3 | 1 | 8.000000 |
| ## 447 | -9.999900e+04 | 15 | 12 | 17 | 1 | 10.500000 |
| ## 172 | 4.173136e-01 | 19 | 12 | 17 | 20 | 17.500000 |
| ## 79 | 1.934712e-01 | 19 | 12 | 17 | 14 | 15.500000 |
| ## 344 | 2.781595e-01 | 13 | 4 | 1 | 20 | 9.833333 |
| ## 354 | 4.395161e-01 | 4 | 7 | 9 | 19 | 11.166667 |
| ## 225 | 8.077702e-03 | 14 | 11 | 17 | 19 | 16.166667 |
| ## 239 | 4.668895e-01 | 17 | 14 | 18 | 18 | 17.166667 |
| ## 220 | 7.109298e-02 | 8 | 5 | 18 | 20 | 14.833333 |
| ## 94 | -9.999900e+04 | 10 | 7 | 4 | 1 | 4.500000 |
| ## 288 | 2.734523e-01 | 14 | 18 | 20 | 19 | 18.333333 |
| ## 62 | -9.999900e+04 | 8 | 2 | 16 | 1 | 7.333333 |
| ## 251 | 3.737997e-01 | 7 | 19 | 19 | 20 | 17.333333 |
| ## 389 | -9.999900e+04 | 2 | 2 | 20 | 1 | 7.666667 |
| ## 382 | -9.999900e+04 | 15 | 5 | 4 | 1 | 5.000000 |
| ## 246 | -9.999900e+04 | 4 | 8 | 9 | 1 | 5.333333 |
| ## 425 | 1.824110e-01 | 8 | 6 | 9 | 15 | 10.333333 |
| ## 174 | 2.570280e-01 | 8 | 6 | 17 | 18 | 14.000000 |
| ## 296 | 5.867259e-01 | 5 | 10 | 18 | 16 | 13.833333 |
| ## 461 | 1.792827e-01 | 12 | 8 | 19 | 18 | 15.666667 |

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|----|-----|---------------|-------------|-----------|----|----|-----------|
| ## | 367 | 5.531506e-01 | 17 | 12 | 11 | 18 | 14.500000 |
| ## | 48 | -9.999900e+04 | 17 | 8 | 7 | 1 | 6.833333 |
| ## | 408 | -9.999900e+04 | 17 | 6 | 4 | 1 | 5.500000 |
| ## | 218 | 1.608560e-02 | 13 | 11 | 10 | 16 | 12.666667 |
| ## | | Shape_Length | Shape_Area | large_pop | | | |
| ## | 429 | 15140.3584 | 14173931.69 | 0 | | | |
| ## | 297 | 3938.0930 | 825960.17 | 0 | | | |
| ## | 221 | 11642.2358 | 3010378.59 | 0 | | | |
| ## | 83 | 3867.8311 | 592688.19 | 0 | | | |
| ## | 431 | 11004.7278 | 7678680.52 | 0 | | | |
| ## | 284 | 15133.9900 | 6736168.87 | 0 | | | |
| ## | 159 | 1168.8148 | 82308.38 | 0 | | | |
| ## | 263 | 23877.8969 | 30270339.76 | 0 | | | |
| ## | 435 | 5489.0421 | 1567525.69 | 0 | | | |
| ## | 302 | 36726.4523 | 69990519.83 | 0 | | | |
| ## | 485 | 4120.8592 | 817446.56 | 0 | | | |
| ## | 250 | 22632.7400 | 12064085.20 | 0 | | | |
| ## | 410 | 2102.2539 | 184385.84 | 0 | | | |
| ## | 445 | 1343.6619 | 98142.52 | 0 | | | |
| ## | 63 | 6185.1446 | 1232152.99 | 0 | | | |
| ## | 247 | 4491.3430 | 806580.90 | 0 | | | |
| ## | 415 | 3413.3817 | 715078.43 | 0 | | | |
| ## | 194 | 3813.9844 | 671691.54 | 0 | | | |
| ## | 390 | 36112.5537 | 43815014.70 | 1 | | | |
| ## | 191 | 7500.4414 | 2721262.00 | 0 | | | |
| ## | 477 | 6825.6414 | 1501588.72 | 0 | | | |
| ## | 468 | 2505.6311 | 331014.66 | 0 | | | |
| ## | 70 | 4190.9631 | 934413.39 | 0 | | | |
| ## | 229 | 4258.5614 | 670034.14 | 0 | | | |
| ## | 97 | 5026.1271 | 1398602.25 | 1 | | | |
| ## | 112 | 2049.8276 | 253169.14 | 0 | | | |
| ## | 458 | 21604.3475 | 22575897.69 | 0 | | | |
| ## | 126 | 4174.0865 | 557678.58 | 0 | | | |
| ## | 434 | 3675.2210 | 684388.65 | 0 | | | |
| ## | 372 | 22027.0876 | 14735280.00 | 0 | | | |
| ## | 171 | 31242.3861 | 13900903.59 | 0 | | | |
| ## | 455 | 11762.7930 | 7916245.18 | 0 | | | |
| ## | 432 | 4565.5418 | 781353.91 | 0 | | | |
| ## | 437 | 2418.9221 | 348537.54 | 0 | | | |
| ## | 215 | 5424.5740 | 1210622.45 | 0 | | | |
| ## | 441 | 3151.5712 | 405783.70 | 0 | | | |
| ## | 213 | 3948.2248 | 816999.51 | 0 | | | |
| ## | 118 | 6056.9218 | 1351310.06 | 0 | | | |
| ## | 456 | 1113.9665 | 52142.42 | 0 | | | |
| ## | 58 | 24242.4512 | 26393599.72 | 1 | | | |
| ## | 379 | 8738.6784 | 288088.07 | 0 | | | |
| ## | 407 | 3002.4204 | 561242.26 | 0 | | | |
| ## | 422 | 5534.1765 | 481768.82 | 0 | | | |
| ## | 351 | 3425.3320 | 732395.26 | 1 | | | |
| ## | 452 | 6305.1724 | 2391493.71 | 1 | | | |
| ## | 366 | 3821.5391 | 783025.34 | 0 | | | |
| ## | 397 | 17176.9249 | 13572172.32 | 1 | | | |
| ## | 201 | 25035.3498 | 35280432.54 | 0 | | | |
| ## | 10 | 3383.5670 | 513040.05 | 0 | | | |

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|--------|------------|--------------|---|
| ## 480 | 99547.2009 | 473104113.80 | 0 |
| ## 446 | 5516.1186 | 1601307.78 | 0 |
| ## 82 | 10119.0621 | 3624752.33 | 0 |
| ## 151 | 4438.7117 | 889787.08 | 0 |
| ## 236 | 20348.1234 | 14835309.17 | 0 |
| ## 237 | 2754.5978 | 289916.77 | 0 |
| ## 479 | 66056.8010 | 160240049.40 | 0 |
| ## 383 | 41555.4931 | 77768754.46 | 0 |
| ## 75 | 7672.3726 | 1846016.03 | 0 |
| ## 350 | 36406.0680 | 66976867.93 | 0 |
| ## 310 | 3780.4807 | 377261.96 | 0 |
| ## 475 | 3463.5126 | 553484.30 | 0 |
| ## 101 | 10865.0025 | 4765392.90 | 1 |
| ## 65 | 17743.5067 | 17638731.91 | 0 |
| ## 291 | 6355.5983 | 2148560.45 | 0 |
| ## 199 | 22696.3981 | 27353347.56 | 0 |
| ## 436 | 4384.3614 | 589422.20 | 0 |
| ## 387 | 3518.1629 | 624880.87 | 0 |
| ## 100 | 5549.5317 | 1673103.01 | 0 |
| ## 334 | 4486.5656 | 518666.01 | 0 |
| ## 439 | 4102.2625 | 428360.58 | 1 |
| ## 87 | 4328.3649 | 616277.56 | 0 |
| ## 333 | 3405.4480 | 491791.97 | 0 |
| ## 184 | 7098.2953 | 1977452.97 | 0 |
| ## 186 | 1824.0527 | 206674.91 | 0 |
| ## 49 | 69080.9515 | 205905864.30 | 0 |
| ## 357 | 1684.3488 | 132031.38 | 0 |
| ## 224 | 3757.2063 | 364533.84 | 0 |
| ## 486 | 17597.5162 | 15379094.59 | 0 |
| ## 164 | 11858.7623 | 5542084.11 | 0 |
| ## 226 | 3925.6725 | 906938.93 | 0 |
| ## 404 | 3534.1841 | 474918.10 | 0 |
| ## 272 | 4103.3639 | 496049.80 | 0 |
| ## 238 | 44920.8299 | 58266503.91 | 0 |
| ## 140 | 70265.5717 | 176702397.80 | 0 |
| ## 31 | 26333.8074 | 12431619.60 | 1 |
| ## 313 | 38191.1620 | 62499493.22 | 0 |
| ## 359 | 25335.2741 | 15389308.11 | 0 |
| ## 181 | 84648.9953 | 187714426.90 | 0 |
| ## 90 | 1483.9716 | 137475.30 | 0 |
| ## 444 | 3671.2344 | 786300.53 | 0 |
| ## 85 | 25033.1931 | 8346678.43 | 0 |
| ## 187 | 7893.4511 | 3835457.18 | 1 |
| ## 30 | 17444.9600 | 8537762.83 | 0 |
| ## 304 | 8767.6026 | 2493098.58 | 0 |
| ## 202 | 13626.2444 | 7130529.99 | 0 |
| ## 37 | 61352.5610 | 108751021.30 | 0 |
| ## 287 | 3657.2631 | 488025.96 | 0 |
| ## 471 | 3337.5242 | 676298.29 | 0 |
| ## 314 | 7328.1328 | 2325447.15 | 1 |
| ## 36 | 1723.9582 | 170319.94 | 0 |
| ## 5 | 75400.1789 | 199375976.90 | 0 |
| ## 108 | 8654.3183 | 2861285.71 | 1 |
| ## 47 | 11131.0687 | 6149240.43 | 0 |

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| ## 89 | 2010.4456 | 195963.63 | 0 |
| ## 454 | 45834.7728 | 54186254.91 | 0 |
| ## 336 | 2443.0727 | 327308.92 | 0 |
| ## 252 | 20724.6597 | 13756941.76 | 0 |
| ## 464 | 2378.3105 | 304099.58 | 0 |
| ## 212 | 37129.5419 | 37813297.23 | 0 |
| ## 233 | 5432.9872 | 713343.25 | 0 |
| ## 428 | 3347.7572 | 281143.13 | 0 |
| ## 154 | 36087.9281 | 67012807.30 | 0 |
| ## 40 | 4899.0608 | 989773.96 | 0 |
| ## 356 | 44423.6611 | 45884449.87 | 0 |
| ## 473 | 3605.0103 | 326134.77 | 0 |
| ## 133 | 6965.4588 | 1770389.61 | 1 |
| ## 152 | 2226.7031 | 249297.15 | 0 |
| ## 4 | 87395.1948 | 134896701.80 | 0 |
| ## 56 | 9162.4546 | 4056649.38 | 0 |
| ## 384 | 17276.6250 | 4042451.35 | 1 |
| ## 145 | 66654.4812 | 124984619.10 | 0 |
| ## 234 | 7358.7399 | 2904963.29 | 0 |
| ## 361 | 2145.0851 | 176569.29 | 0 |
| ## 348 | 5393.3539 | 925320.99 | 0 |
| ## 197 | 8576.1184 | 2975173.56 | 0 |
| ## 136 | 2152.6391 | 222960.71 | 0 |
| ## 192 | 6731.2749 | 946558.02 | 0 |
| ## 258 | 88245.6990 | 214411628.80 | 0 |
| ## 61 | 4851.5554 | 1162717.51 | 0 |
| ## 240 | 2838.2975 | 157885.06 | 0 |
| ## 293 | 3129.9405 | 571609.08 | 0 |
| ## 255 | 42436.7923 | 63105018.87 | 0 |
| ## 245 | 7076.3406 | 2763867.94 | 0 |
| ## 77 | 5567.7499 | 1022105.45 | 1 |
| ## 156 | 12030.0715 | 5622173.86 | 0 |
| ## 43 | 4013.4282 | 422444.64 | 0 |
| ## 474 | 21131.7040 | 18090501.54 | 0 |
| ## 449 | 13290.7794 | 4342570.72 | 1 |
| ## 214 | 4874.0617 | 1011462.36 | 0 |
| ## 91 | 1895.6509 | 201044.83 | 0 |
| ## 285 | 19804.1602 | 15031836.17 | 0 |
| ## 364 | 2847.5185 | 326842.79 | 0 |
| ## 178 | 77534.4417 | 181283587.60 | 0 |
| ## 93 | 3560.6819 | 556391.70 | 0 |
| ## 84 | 1152.6496 | 66284.88 | 0 |
| ## 146 | 7920.0127 | 2458453.92 | 0 |
| ## 64 | 7558.8818 | 2145416.51 | 0 |
| ## 326 | 2906.3164 | 428997.68 | 0 |
| ## 273 | 29158.4875 | 28800929.39 | 0 |
| ## 355 | 5200.6182 | 1039659.07 | 0 |
| ## 228 | 26756.0583 | 10007757.53 | 1 |
| ## 117 | 5582.1617 | 1860307.68 | 0 |
| ## 29 | 29825.8969 | 37482117.58 | 0 |
| ## 45 | 4254.2847 | 290437.10 | 0 |
| ## 176 | 7723.4199 | 3237461.17 | 0 |
| ## 198 | 2057.4228 | 256900.31 | 0 |
| ## 488 | 23297.0809 | 26654591.48 | 0 |

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|--------|-------------|--------------|---|
| ## 35 | 12367.8079 | 7610872.60 | 0 |
| ## 54 | 6441.2351 | 2318984.37 | 0 |
| ## 208 | 3245.8981 | 477443.48 | 0 |
| ## 402 | 114129.2479 | 320705635.80 | 0 |
| ## 417 | 3442.3935 | 523557.96 | 0 |
| ## 345 | 11771.4898 | 4988476.59 | 1 |
| ## 60 | 5136.4460 | 1227316.41 | 1 |
| ## 105 | 8091.8073 | 3910975.48 | 0 |
| ## 283 | 8174.4212 | 2366573.71 | 1 |
| ## 210 | 14017.2308 | 6822581.49 | 0 |
| ## 207 | 1618.9649 | 117305.37 | 1 |
| ## 487 | 2625.5398 | 352097.06 | 0 |
| ## 33 | 12288.5425 | 6492541.03 | 0 |
| ## 267 | 3211.1301 | 644627.65 | 0 |
| ## 163 | 5538.3978 | 1884188.66 | 1 |
| ## 81 | 3236.5832 | 655374.41 | 0 |
| ## 223 | 2967.5415 | 232845.38 | 0 |
| ## 386 | 41038.8802 | 60261156.42 | 0 |
| ## 343 | 4810.3963 | 1312504.81 | 0 |
| ## 137 | 819.2732 | 39459.53 | 0 |
| ## 483 | 1883.6202 | 123109.58 | 0 |
| ## 71 | 20316.1757 | 21208014.00 | 0 |
| ## 358 | 8133.1355 | 2574349.58 | 0 |
| ## 323 | 3727.5014 | 756395.20 | 0 |
| ## 385 | 63301.3717 | 84918145.39 | 0 |
| ## 261 | 12596.2435 | 5277858.59 | 0 |
| ## 17 | 3573.0351 | 532547.00 | 0 |
| ## 275 | 2823.9361 | 235263.95 | 0 |
| ## 338 | 3914.4502 | 949282.16 | 0 |
| ## 315 | 18359.9767 | 13801249.12 | 1 |
| ## 189 | 2107.7563 | 249348.41 | 0 |
| ## 243 | 4753.7138 | 1130398.62 | 1 |
| ## 179 | 895.0220 | 49845.55 | 0 |
| ## 107 | 3453.5417 | 547399.12 | 0 |
| ## 305 | 2952.6564 | 395617.53 | 0 |
| ## 248 | 44810.8876 | 36609849.87 | 0 |
| ## 419 | 2442.5481 | 271704.58 | 0 |
| ## 395 | 1088.1190 | 56695.75 | 0 |
| ## 496 | 31605.3736 | 29306414.17 | 0 |
| ## 86 | 2485.4945 | 325025.93 | 0 |
| ## 438 | 4384.2736 | 751378.62 | 1 |
| ## 282 | 86761.4605 | 291296131.90 | 0 |
| ## 23 | 5754.6823 | 1706673.48 | 0 |
| ## 321 | 3108.3193 | 532272.23 | 0 |
| ## 406 | 89852.9442 | 291954494.40 | 0 |
| ## 51 | 3584.6574 | 649593.33 | 0 |
| ## 55 | 3788.7298 | 835993.69 | 0 |
| ## 106 | 21414.9496 | 21601275.38 | 1 |
| ## 427 | 3485.6260 | 508803.05 | 0 |
| ## 290 | 4809.0481 | 1292278.64 | 0 |
| ## 324 | 1636.9222 | 164940.08 | 0 |
| ## 15 | 1327.9641 | 104497.71 | 0 |
| ## 303 | 1673.5789 | 148222.23 | 0 |
| ## 169 | 4132.5142 | 614473.79 | 0 |

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|--------|-------------|--------------|---|
| ## 116 | 15671.7823 | 11051120.11 | 0 |
| ## 102 | 141519.5552 | 847084184.80 | 0 |
| ## 262 | 9014.9292 | 3593334.45 | 1 |
| ## 448 | 13123.0579 | 9086790.00 | 0 |
| ## 380 | 9123.5178 | 3341735.90 | 0 |
| ## 418 | 3349.4684 | 615827.57 | 0 |
| ## 489 | 8620.2512 | 3198763.54 | 0 |
| ## 235 | 11730.6361 | 3267812.33 | 0 |
| ## 457 | 2445.8733 | 326859.28 | 0 |
| ## 244 | 3979.9528 | 794129.10 | 0 |
| ## 25 | 29619.9762 | 25730024.60 | 0 |
| ## 281 | 3807.0081 | 514778.25 | 0 |
| ## 119 | 3170.3662 | 611486.18 | 0 |
| ## 400 | 54229.5345 | 154057328.70 | 0 |
| ## 481 | 6499.5381 | 1746048.58 | 0 |
| ## 180 | 853.5128 | 24720.59 | 0 |
| ## 482 | 7955.8599 | 1748512.12 | 0 |
| ## 319 | 1876.6615 | 195188.42 | 0 |
| ## 38 | 11563.5446 | 4622017.01 | 1 |
| ## 388 | 6988.4544 | 1221036.36 | 0 |
| ## 309 | 40931.5014 | 55966599.80 | 0 |
| ## 78 | 19686.4405 | 12704925.08 | 0 |
| ## 7 | 5576.0735 | 1135267.70 | 0 |
| ## 12 | 12510.6705 | 9759482.03 | 0 |
| ## 211 | 34744.8346 | 57843958.98 | 0 |
| ## 167 | 21071.5618 | 15118690.79 | 0 |
| ## 377 | 3722.9318 | 615678.69 | 0 |
| ## 332 | 6523.2336 | 1523789.03 | 0 |
| ## 144 | 7785.7269 | 3251513.30 | 0 |
| ## 260 | 5725.7635 | 1229263.87 | 0 |
| ## 453 | 951.2068 | 50249.05 | 0 |
| ## 491 | 3229.4248 | 462979.95 | 0 |
| ## 52 | 5777.7336 | 2028553.98 | 0 |
| ## 206 | 2112.5602 | 237561.62 | 0 |
| ## 160 | 4722.0305 | 1337329.37 | 0 |
| ## 277 | 14626.3403 | 11112097.89 | 0 |
| ## 88 | 2493.9711 | 308677.16 | 0 |
| ## 1 | 2408.2141 | 320864.16 | 0 |
| ## 426 | 3950.3890 | 455652.18 | 0 |
| ## 353 | 11671.5207 | 4219928.06 | 0 |
| ## 157 | 4293.7024 | 1002636.03 | 0 |
| ## 368 | 4481.3715 | 757317.95 | 0 |
| ## 365 | 1228.7240 | 72171.20 | 1 |
| ## 57 | 7421.4699 | 1313345.43 | 0 |
| ## 493 | 5781.6420 | 1581591.97 | 0 |
| ## 259 | 19407.9249 | 22799415.83 | 0 |
| ## 265 | 16137.3353 | 16944295.10 | 0 |
| ## 307 | 14113.5281 | 10199030.48 | 0 |
| ## 170 | 6018.4433 | 1663818.15 | 1 |
| ## 121 | 9230.3026 | 3064902.25 | 0 |
| ## 276 | 44942.6210 | 80899020.93 | 0 |
| ## 394 | 2795.7545 | 455679.59 | 0 |
| ## 32 | 4929.4479 | 777924.97 | 0 |
| ## 2 | 1162.5041 | 79950.42 | 0 |

| | | | |
|--------|-------------|--------------|---|
| ## 219 | 31675.7349 | 42497569.87 | 0 |
| ## 327 | 61454.0885 | 175101956.40 | 0 |
| ## 257 | 3711.7080 | 848457.03 | 0 |
| ## 227 | 3486.7666 | 405404.22 | 0 |
| ## 195 | 15947.7332 | 7095996.58 | 1 |
| ## 59 | 9749.9268 | 2125870.62 | 0 |
| ## 497 | 88370.1993 | 154526076.90 | 0 |
| ## 311 | 15445.8008 | 13955273.31 | 1 |
| ## 363 | 6134.2903 | 1890063.00 | 0 |
| ## 46 | 72467.9314 | 93705877.17 | 1 |
| ## 490 | 1185.7516 | 74539.08 | 0 |
| ## 286 | 3932.8101 | 488191.72 | 0 |
| ## 256 | 16435.0745 | 8825008.93 | 0 |
| ## 41 | 11516.9820 | 6889567.70 | 1 |
| ## 462 | 3557.8502 | 602797.88 | 0 |
| ## 110 | 4177.7269 | 781512.71 | 0 |
| ## 249 | 6683.0071 | 1890004.41 | 0 |
| ## 185 | 10115.6310 | 3052383.52 | 0 |
| ## 150 | 5058.2134 | 1292278.44 | 0 |
| ## 331 | 9657.7041 | 3819726.82 | 0 |
| ## 271 | 50647.0570 | 92519312.15 | 0 |
| ## 268 | 3223.3106 | 361452.32 | 0 |
| ## 463 | 1842.9156 | 167338.02 | 0 |
| ## 495 | 20784.2621 | 19569730.00 | 1 |
| ## 362 | 1428.0883 | 124299.30 | 0 |
| ## 460 | 7052.6691 | 1721023.14 | 1 |
| ## 330 | 7379.6909 | 1754183.74 | 0 |
| ## 231 | 3705.5558 | 481272.38 | 0 |
| ## 19 | 4302.7973 | 912709.70 | 0 |
| ## 142 | 1392.8057 | 63871.20 | 0 |
| ## 472 | 32721.3044 | 47040099.12 | 0 |
| ## 279 | 2946.5292 | 388962.02 | 0 |
| ## 295 | 52957.3452 | 112704079.70 | 0 |
| ## 148 | 86756.3426 | 282674763.70 | 0 |
| ## 99 | 26957.4410 | 27551544.56 | 0 |
| ## 373 | 4830.4145 | 841824.27 | 0 |
| ## 312 | 16759.0742 | 11463445.44 | 0 |
| ## 393 | 21071.9743 | 20003360.40 | 0 |
| ## 173 | 4536.5417 | 1114567.98 | 0 |
| ## 162 | 4800.9972 | 910719.05 | 0 |
| ## 374 | 3418.5206 | 657110.57 | 0 |
| ## 76 | 3533.7333 | 708617.68 | 0 |
| ## 500 | 3360.3716 | 690356.13 | 0 |
| ## 216 | 28174.0936 | 27534213.28 | 0 |
| ## 411 | 6962.0706 | 1791964.84 | 0 |
| ## 230 | 3760.1912 | 769845.24 | 0 |
| ## 16 | 124371.9800 | 318286410.10 | 0 |
| ## 222 | 2565.7783 | 319988.44 | 0 |
| ## 8 | 1670.4630 | 61772.97 | 0 |
| ## 340 | 34229.4465 | 65979992.61 | 0 |
| ## 22 | 4412.4299 | 1149737.59 | 0 |
| ## 128 | 4816.6570 | 810953.95 | 1 |
| ## 469 | 4307.0472 | 1057123.27 | 0 |
| ## 109 | 3325.4710 | 495659.35 | 0 |

| | | | |
|--------|-------------|--------------|---|
| ## 50 | 43852.6047 | 47411726.93 | 0 |
| ## 69 | 3547.3474 | 565668.71 | 0 |
| ## 403 | 16084.0539 | 10345646.12 | 0 |
| ## 442 | 3724.9228 | 541552.34 | 0 |
| ## 143 | 6836.3269 | 2962316.76 | 1 |
| ## 168 | 2421.9802 | 325752.18 | 0 |
| ## 360 | 3272.7377 | 545437.62 | 0 |
| ## 20 | 2937.4716 | 521705.48 | 0 |
| ## 440 | 8855.6635 | 3265758.46 | 0 |
| ## 451 | 8393.8374 | 3132717.88 | 0 |
| ## 196 | 53071.7860 | 98995777.07 | 0 |
| ## 27 | 61504.0776 | 106191727.80 | 0 |
| ## 134 | 4008.0984 | 987318.46 | 0 |
| ## 494 | 7809.3072 | 2789252.54 | 0 |
| ## 205 | 9914.6071 | 5735412.52 | 1 |
| ## 294 | 892.6935 | 32004.30 | 0 |
| ## 123 | 4046.5847 | 636975.23 | 0 |
| ## 253 | 48534.7322 | 108126776.60 | 0 |
| ## 466 | 2839.0208 | 355983.01 | 0 |
| ## 139 | 3748.7680 | 870161.54 | 0 |
| ## 95 | 87715.3286 | 217204947.80 | 0 |
| ## 369 | 4290.0799 | 623965.28 | 0 |
| ## 127 | 56801.0671 | 61282005.58 | 0 |
| ## 484 | 25611.5514 | 15168251.11 | 0 |
| ## 450 | 47188.7034 | 71045877.55 | 0 |
| ## 72 | 3982.9758 | 361441.57 | 0 |
| ## 204 | 17324.0214 | 11721706.14 | 0 |
| ## 301 | 5171.5852 | 1158399.23 | 0 |
| ## 465 | 8122.3093 | 2968527.94 | 0 |
| ## 339 | 32642.9055 | 32166763.86 | 0 |
| ## 328 | 893.8033 | 46597.67 | 0 |
| ## 299 | 3635.7954 | 791527.26 | 0 |
| ## 349 | 6958.1762 | 1543281.93 | 0 |
| ## 399 | 24802.6398 | 21815469.72 | 0 |
| ## 92 | 3228.4435 | 613815.44 | 0 |
| ## 467 | 3027.1122 | 356342.61 | 0 |
| ## 352 | 3061.5232 | 341973.69 | 0 |
| ## 232 | 8816.5029 | 2242592.84 | 0 |
| ## 13 | 5634.0257 | 1643644.17 | 0 |
| ## 104 | 4072.4244 | 721924.53 | 1 |
| ## 80 | 57021.2964 | 126503639.80 | 0 |
| ## 131 | 65247.9332 | 88187012.35 | 1 |
| ## 376 | 12251.8546 | 6725604.52 | 0 |
| ## 166 | 177157.9784 | 905069958.20 | 0 |
| ## 478 | 3875.2897 | 606308.51 | 0 |
| ## 264 | 2985.9389 | 403334.80 | 0 |
| ## 254 | 11258.0824 | 6618958.89 | 1 |
| ## 129 | 2298.6912 | 252326.91 | 0 |
| ## 292 | 7323.5267 | 1832965.21 | 0 |
| ## 430 | 9606.9400 | 3916357.65 | 0 |
| ## 130 | 6348.6402 | 2514696.93 | 1 |
| ## 183 | 2615.3126 | 276520.42 | 1 |
| ## 325 | 4332.0112 | 780856.41 | 0 |
| ## 280 | 3579.2772 | 618838.80 | 0 |

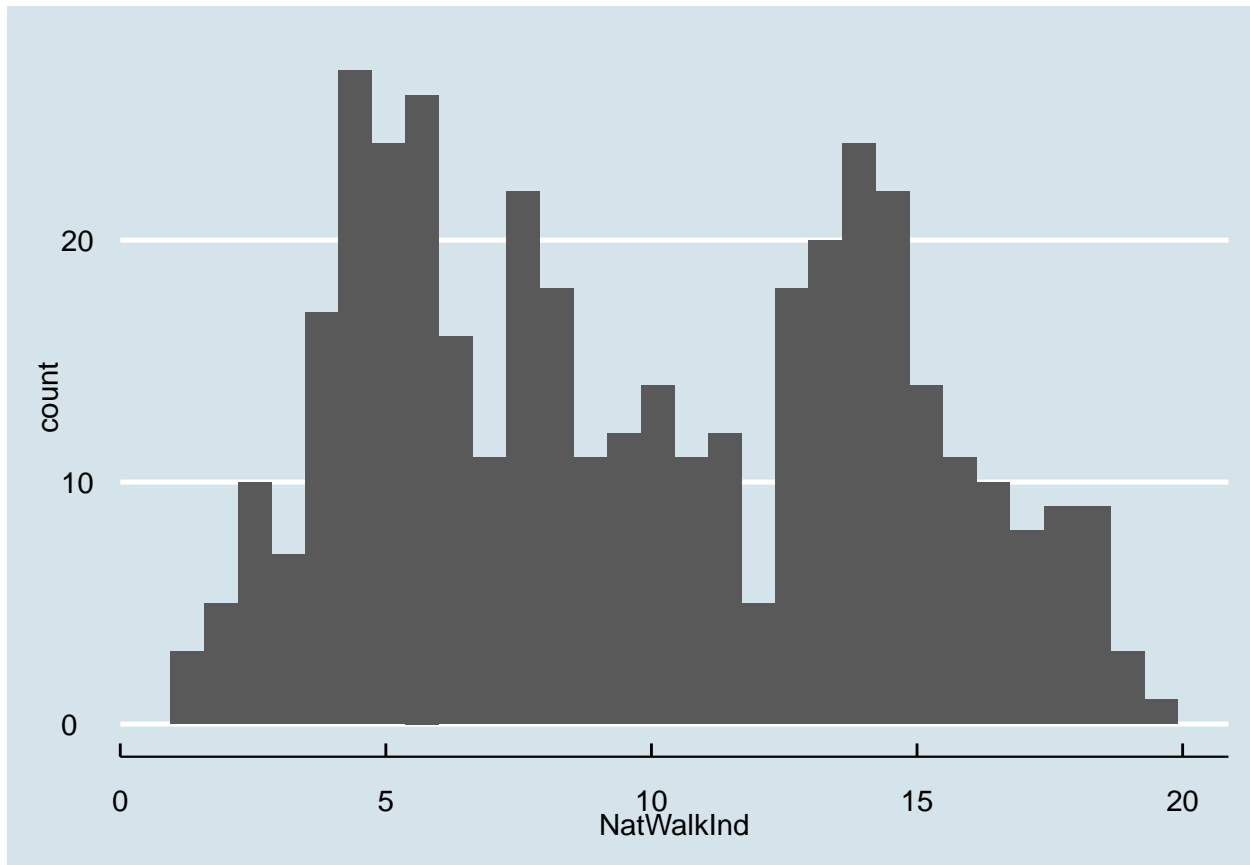
| | | | |
|--------|------------|-------------|---|
| ## 420 | 3265.6179 | 439421.17 | 0 |
| ## 18 | 2746.7773 | 365847.55 | 0 |
| ## 74 | 1769.9716 | 180060.72 | 0 |
| ## 153 | 42915.2929 | 48562228.13 | 0 |
| ## 447 | 4473.6371 | 780594.08 | 0 |
| ## 172 | 2022.4924 | 140459.48 | 0 |
| ## 79 | 2782.5894 | 319686.85 | 0 |
| ## 344 | 1294.3654 | 94793.30 | 1 |
| ## 354 | 2374.9933 | 245548.28 | 0 |
| ## 225 | 4975.3604 | 898122.36 | 0 |
| ## 239 | 1429.6298 | 117142.06 | 0 |
| ## 220 | 2584.1983 | 388793.02 | 0 |
| ## 94 | 40551.2146 | 36332736.25 | 0 |
| ## 288 | 1813.2932 | 174683.37 | 0 |
| ## 62 | 5385.6035 | 1064634.52 | 0 |
| ## 251 | 2228.2037 | 261452.23 | 0 |
| ## 389 | 3084.6146 | 592057.18 | 0 |
| ## 382 | 28312.1081 | 37659222.32 | 0 |
| ## 246 | 11511.8168 | 3380733.82 | 0 |
| ## 425 | 6449.0052 | 1461835.88 | 0 |
| ## 174 | 2069.4853 | 251156.46 | 0 |
| ## 296 | 2368.7995 | 333597.64 | 0 |
| ## 461 | 1858.5277 | 174526.61 | 0 |
| ## 367 | 3296.1314 | 449094.76 | 0 |
| ## 48 | 7136.9182 | 2264744.96 | 0 |
| ## 408 | 28652.2076 | 31192167.04 | 0 |
| ## 218 | 8351.0337 | 3512164.79 | 0 |

```
colnames(walkit_ss_train)
```

| | | | | | |
|----------|----------------|--------------|----------------|---------------|---------------|
| ## [1] | "OBJECTID" | "GEOID10" | "GEOID20" | "STATEFP" | "COUNTYFP" |
| ## [6] | "TRACTCE" | "BLKGRPCE" | "CSA" | "CSA_Name" | "CBSA" |
| ## [11] | "CBSA_Name" | "CBSA_POP" | "CBSA_EMP" | "CBSA_WRK" | "Ac_Total" |
| ## [16] | "Ac_Water" | "Ac_Land" | "Ac_Unpr" | "TotPop" | "CountHU" |
| ## [21] | "HH" | "P_WrkAge" | "AutoOwn0" | "Pct_A00" | "AutoOwn1" |
| ## [26] | "Pct_A01" | "AutoOwn2p" | "Pct_A02p" | "Workers" | "R_LowWageWk" |
| ## [31] | "R_MedWageWk" | "R_HiWageWk" | "R_PCTLOWWAGE" | "TotEmp" | "E5_Ret" |
| ## [36] | "E5_Off" | "E5_Ind" | "E5_Svc" | "E5_Ent" | "E8_Ret" |
| ## [41] | "E8_off" | "E8_Ind" | "E8_Svc" | "E8_Ent" | "E8_Ed" |
| ## [46] | "E8_Hlth" | "E8_Pub" | "E_LowWageWk" | "E_MedWageWk" | "E_HiWageWk" |
| ## [51] | "E_PctLowWage" | "D1A" | "D1B" | "D1C" | "D1C5_RET" |
| ## [56] | "D1C5_OFF" | "D1C5_IND" | "D1C5_SVC" | "D1C5_ENT" | "D1C8_RET" |
| ## [61] | "D1C8_OFF" | "D1C8_IND" | "D1C8_SVC" | "D1C8_ENT" | "D1C8_ED" |
| ## [66] | "D1C8_HLTH" | "D1C8_PUB" | "D1D" | "D1_FLAG" | "D2A_JPHH" |
| ## [71] | "D2B_E5MIX" | "D2B_E5MIXA" | "D2B_E8MIX" | "D2B_E8MIXA" | "D2A_EPHHM" |
| ## [76] | "D2C_TRPMX1" | "D2C_TRPMX2" | "D2C_TRIPEQ" | "D2R_JOBPOP" | "D2R_WRKEMP" |
| ## [81] | "D2A_WRKEMP" | "D2C_WREMLX" | "D3A" | "D3AA0" | "D3AMM" |
| ## [86] | "D3AP0" | "D3B" | "D3BA0" | "D3BMM3" | "D3BMM4" |
| ## [91] | "D3BP03" | "D3BP04" | "D4A" | "D4B025" | "D4B050" |
| ## [96] | "D4C" | "D4D" | "D4E" | "D5AR" | "D5AE" |
| ## [101] | "D5BR" | "D5BE" | "D5CR" | "D5CRI" | "D5CE" |
| ## [106] | "D5CEI" | "D5DR" | "D5DRI" | "D5DE" | "D5DEI" |
| ## [111] | "D2A_Ranked" | "D2B_Ranked" | "D3B_Ranked" | "D4A_Ranked" | "NatWalkInd" |
| ## [116] | "Shape_Length" | "Shape_Area" | "large_pop" | | |

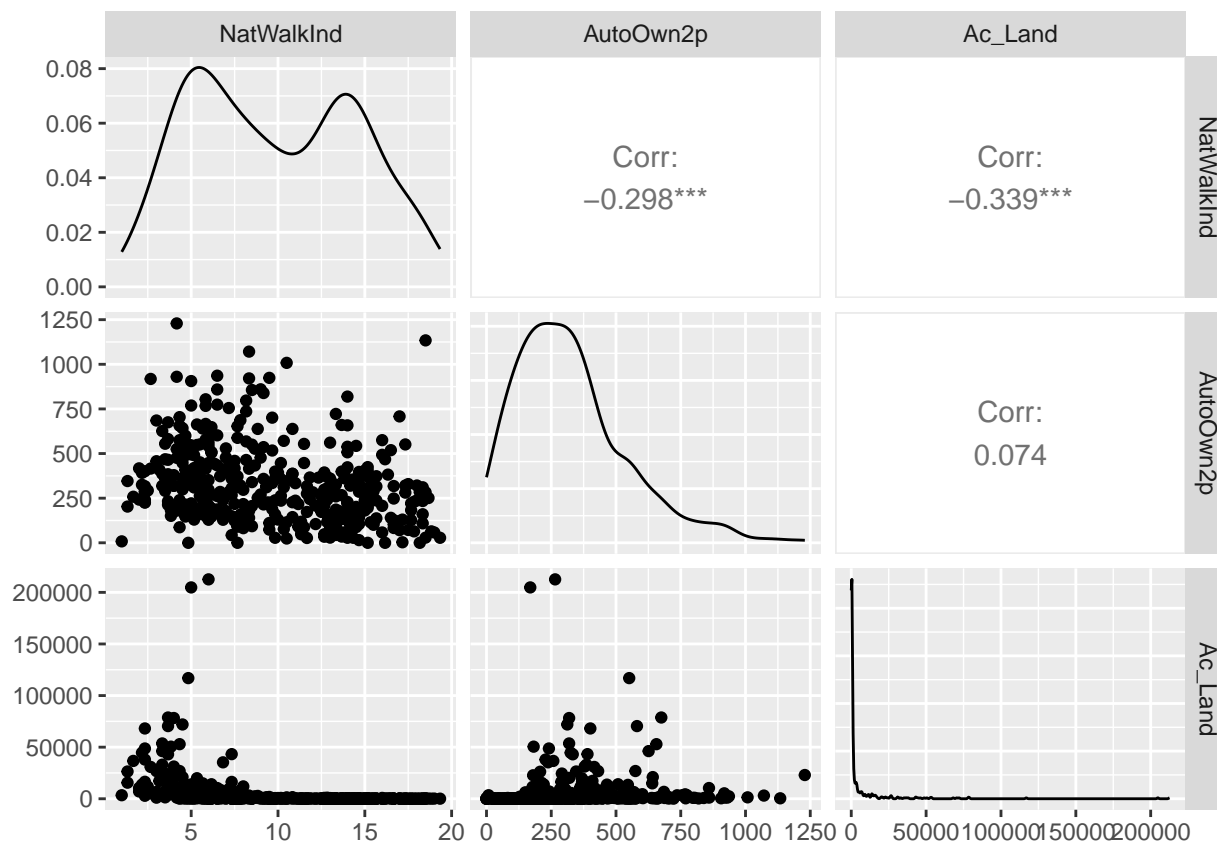
visualize walkability scores accross grand rapids

```
ggplot(walkit_ss_train, aes(x = NatWalkInd)) +  
  geom_histogram(bins = 30) +  
  theme_economist()
```



interpretations:

```
walkit_ss_train %>%  
  select(NatWalkInd, AutoOwn2p, Ac_Land) %>%  
  ggpairs()
```



```
# +
#   theme_economist()

# NatWalkInd = Walkability index comprised of weighted sum of the
# ranked values of [D2a_EpHHm] (D2A_Ranked),
# Ac_Land = Total land area (acres)
# R_HiWageWk = Count of workers earning $3333/month or more (home
# location), 2017

# R_LowWageWk = Count of workers earning $3333/month or more (home
# location), 2017
# AutoOwn2p = umber of households in CBG that own two or more automobiles, 2018
```

```
lm_spec <- linear_reg() %>%
  set_mode("regression") %>%
  set_engine("lm")
```

```
lm_spec
```

```
## Linear Regression Model Specification (regression)
##
## Computational engine: lm
```



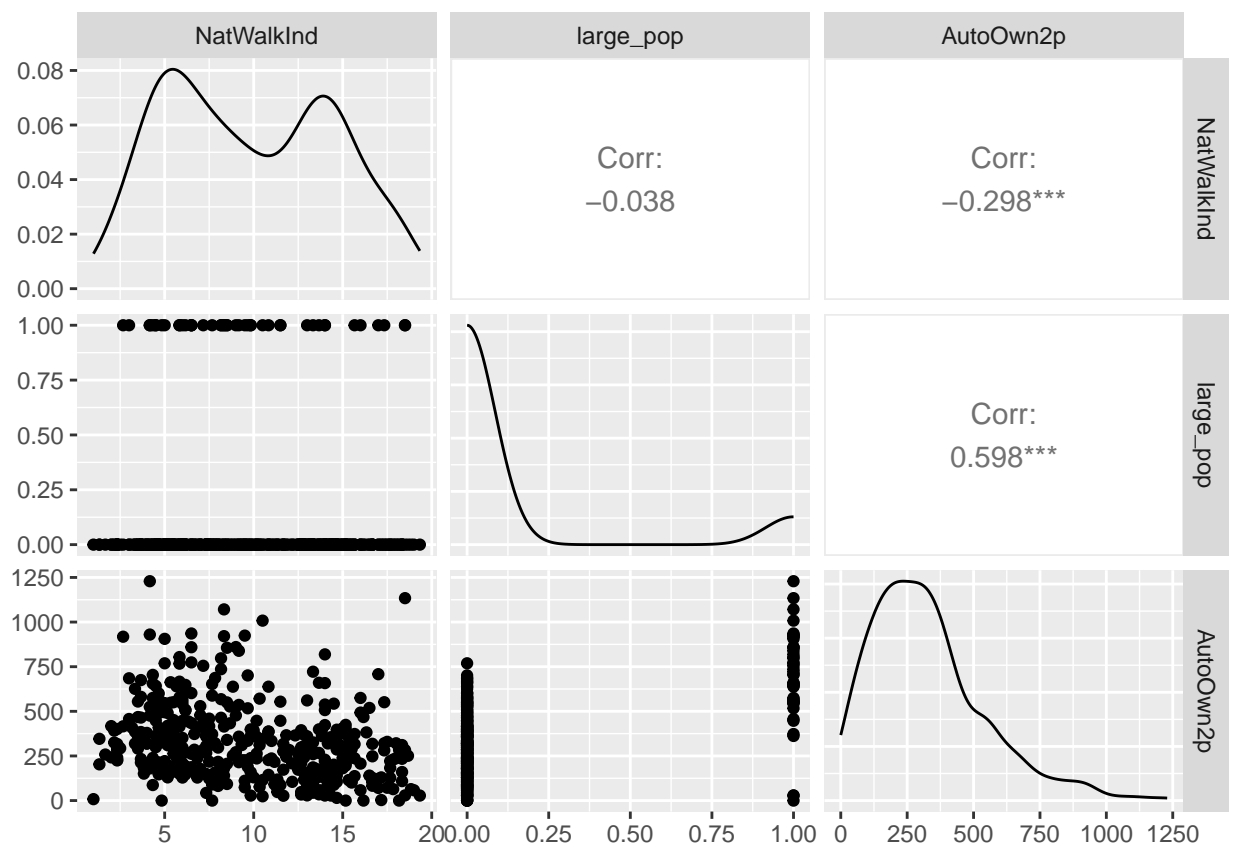
```
mlr_mod <- lm_spec %>%
fit(NatWalkInd ~ AutoOwn2p + Ac_Land, data = walkit_ss_train)
tidy(mlr_mod)
```

```
## # A tibble: 3 x 5
##   term          estimate std.error statistic    p.value
##   <chr>          <dbl>     <dbl>    <dbl>    <dbl>
## 1 (Intercept) 12.2        0.384      31.6 1.37e-110
## 2 AutoOwn2p   -0.00594    0.000982   -6.05 3.31e- 9
## 3 Ac_Land     -0.0000768 0.0000109   -7.02 9.62e- 12
```

Day 2

the equations $\text{NatWalkInd} = 12.1645108647 + -0.0059413833 * \text{AutoOwn2p} + -0.0000768145 * \text{Ac_Land}$
 $\text{walkability_score} = 12.2 + -.006b + -.000008$

```
# review any visual patterns
walkit_ss_train %>%
  select(NatWalkInd, large_pop, AutoOwn2p) %>%
  ggpairs()
```



```
#fit the mlr model
lm_spec <- linear_reg() %>%
set_mode("regression") %>%
```

```
set_engine("lm")

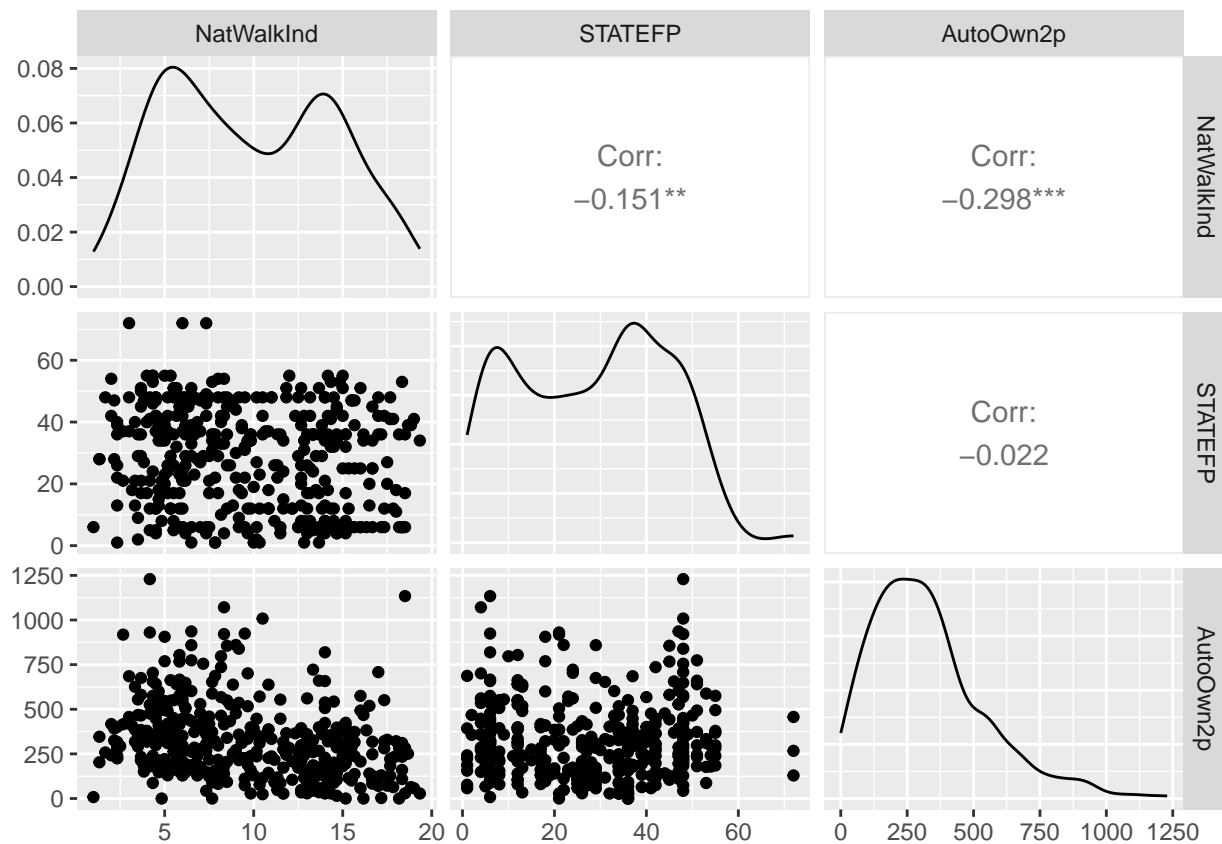
mlr_mod <- lm_spec %>%
fit(NatWalkInd ~ large_pop + AutoOwn2p, data = walkit_ss_train)

tidy(mlr_mod)
```

```
## # A tibble: 3 x 5
##   term          estimate std.error statistic  p.value
##   <chr>          <dbl>    <dbl>    <dbl>    <dbl>
## 1 (Intercept) 12.4      0.426     29.2 5.78e-101
## 2 large_pop   3.24     0.872      3.72 2.29e- 4
## 3 AutoOwn2p  -0.00929 0.00127    -7.29 1.65e- 12
```

the equations $\text{NatWalkInd} = 12.1645108647 + 3.241466865 * \text{AutoOwn2p} + -0.009288186$
more levels

```
# review any visual patterns
walkit_ss_train %>%
  select(NatWalkInd, STATEFP, AutoOwn2p) %>%
  ggpairs()
```



```

#fit the mlr model
lm_spec <- linear_reg() %>%
set_mode("regression") %>%
set_engine("lm")

mlr_mod <- lm_spec %>%
fit(NatWalkInd ~ STATEFP + AutoOwn2p, data = walkit_ss_train)

tidy(mlr_mod)

```

```

## # A tibble: 3 x 5
##   term          estimate std.error statistic  p.value
##   <chr>         <dbl>     <dbl>     <dbl>   <dbl>
## 1 (Intercept)  13.2         0.559      23.6 1.36e-77
## 2 STATEFP      -0.0454       0.0136     -3.34 9.11e- 4
## 3 AutoOwn2p    -0.00653      0.00102     -6.38 5.02e-10

```