Untitled

2023-09-28

Terzan5 <- read.csv("C:\\Users\\Blake\\Desktop\\Uni\\Honours\\Project\\Terzan 5 X-ray events.csv")

library(ggplot2)

## Warning: replacing previous import 'lifecycle::last\_warnings' by  
## 'rlang::last\_warnings' when loading 'tibble'

## Warning: replacing previous import 'lifecycle::last\_warnings' by  
## 'rlang::last\_warnings' when loading 'pillar'

library(plotly)

## Warning: package 'plotly' was built under R version 4.0.5

##   
## Attaching package: 'plotly'

## The following object is masked from 'package:ggplot2':  
##   
## last\_plot

## The following object is masked from 'package:stats':  
##   
## filter

## The following object is masked from 'package:graphics':  
##   
## layout

library(readr)  
library(ggpointdensity)

## Warning: package 'ggpointdensity' was built under R version 4.0.5

library(viridis)

## Loading required package: viridisLite

## Warning: package 'viridisLite' was built under R version 4.0.5

library(tidyr)

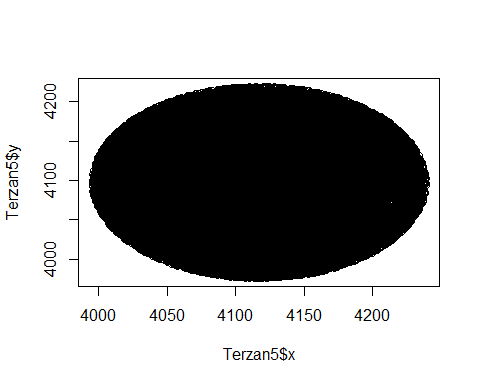
head(Terzan5)

## time expno ccd\_id node\_id chipx chipy tdetx tdety detx dety  
## 1 1.74e+08 110 7 1 299 499 4216 2201 4187.458 4112.919  
## 2 1.74e+08 110 7 1 298 523 4215 2225 4186.838 4088.176  
## 3 1.74e+08 112 7 0 236 509 4153 2211 4124.927 4102.910  
## 4 1.74e+08 113 7 1 373 562 4290 2264 4261.706 4049.552  
## 5 1.74e+08 115 7 0 241 511 4158 2213 4129.915 4100.558  
## 6 1.74e+08 115 7 0 245 516 4162 2218 4133.633 4095.290  
## x y pha pha\_ro energy pi fltgrade grade  
## 1 4106.614 4112.823 436 408 2071.240 142 11 6  
## 2 4131.315 4111.262 357 331 1698.763 117 64 2  
## 3 4114.870 4051.548 640 606 2876.379 198 2 2  
## 4 4173.789 4187.020 1563 1515 7336.066 503 0 0  
## 5 4118.489 4058.659 389 366 1758.871 121 0 0  
## 6 4123.895 4062.175 542 510 2441.803 168 72 6  
## status  
## 1 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 6 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)

show(Terzan5)

## time expno ccd\_id node\_id chipx chipy tdetx tdety detx dety  
## 1 1.74e+08 110 7 1 299 499 4216 2201 4187.458 4112.919  
## 2 1.74e+08 110 7 1 298 523 4215 2225 4186.838 4088.176  
## 3 1.74e+08 112 7 0 236 509 4153 2211 4124.927 4102.910  
## 4 1.74e+08 113 7 1 373 562 4290 2264 4261.706 4049.552  
## 5 1.74e+08 115 7 0 241 511 4158 2213 4129.915 4100.558  
## 6 1.74e+08 115 7 0 245 516 4162 2218 4133.633 4095.290  
## 7 1.74e+08 117 7 1 283 503 4200 2205 4171.860 4108.152  
## 8 1.74e+08 118 7 1 287 508 4204 2210 4175.852 4103.194  
## 9 1.74e+08 119 7 1 263 487 4180 2189 4152.167 4124.253  
## 10 1.74e+08 125 7 1 292 483 4209 2185 4180.826 4128.912  
## 11 1.74e+08 127 7 1 366 556 4283 2258 4254.274 4055.192  
## 12 1.74e+08 129 7 1 279 475 4196 2177 4167.825 4136.905  
## 13 1.74e+08 131 7 1 290 481 4207 2183 4178.459 4130.531  
## 14 1.74e+08 132 7 1 282 505 4199 2207 4170.406 4106.956  
## 15 1.74e+08 132 7 0 243 517 4160 2219 4131.471 4094.607  
## 16 1.74e+08 133 7 0 236 513 4153 2215 4124.851 4098.984  
## 17 1.74e+08 136 7 1 284 517 4201 2219 4172.493 4094.306  
## 18 1.74e+08 136 7 0 246 532 4163 2234 4135.193 4079.626  
## 19 1.74e+08 137 7 1 288 481 4205 2183 4176.409 4130.531  
## 20 1.74e+08 139 7 1 279 504 4196 2206 4167.779 4107.927  
## 21 1.74e+08 139 7 1 266 524 4183 2226 4154.785 4087.260  
## 22 1.74e+08 140 7 1 271 530 4188 2232 4159.774 4081.607  
## 23 1.74e+08 143 7 1 267 487 4184 2189 4155.801 4124.215  
## 24 1.74e+08 147 7 1 269 490 4186 2192 4157.798 4121.564  
## 25 1.74e+08 150 7 1 263 533 4180 2235 4151.783 4078.627  
## 26 1.74e+08 155 7 1 264 486 4181 2188 4153.160 4125.562  
## 27 1.74e+08 157 7 0 221 502 4138 2204 4110.259 4109.216  
## 28 1.74e+08 158 7 0 232 511 4149 2213 4120.850 4100.972  
## 29 1.74e+08 158 7 1 289 514 4206 2216 4178.144 4097.580  
## 30 1.74e+08 162 7 1 283 481 4200 2183 4172.191 4130.526  
## 31 1.74e+08 162 7 1 304 494 4221 2196 4192.428 4117.531  
## 32 1.74e+08 164 7 1 284 481 4201 2183 4172.808 4130.880  
## 33 1.74e+08 165 7 0 220 503 4137 2205 4109.158 4108.315  
## 34 1.74e+08 165 7 0 236 538 4153 2240 4124.495 4073.631  
## 35 1.74e+08 166 7 1 271 460 4188 2162 4160.209 4151.501  
## 36 1.74e+08 168 7 1 275 505 4192 2207 4163.799 4106.558  
## 37 1.74e+08 169 7 1 264 470 4181 2172 4153.249 4141.932  
## 38 1.74e+08 170 7 1 268 526 4185 2228 4156.430 4085.588  
## 39 1.74e+08 173 7 1 297 536 4214 2238 4185.467 4075.311  
## 40 1.74e+08 173 7 0 209 557 4126 2259 4097.576 4054.936  
## 41 1.74e+08 175 7 1 263 519 4180 2221 4151.421 4092.582  
## 42 1.74e+08 177 7 1 321 460 4238 2162 4210.113 4151.471  
## 43 1.74e+08 177 7 1 269 507 4186 2209 4157.458 4104.566  
## 44 1.74e+08 177 7 1 309 515 4226 2217 4197.741 4096.932  
## 45 1.74e+08 178 7 1 347 464 4264 2166 4235.720 4147.460  
## 46 1.74e+08 178 7 1 361 552 4278 2254 4249.921 4059.300  
## 47 1.74e+08 183 7 1 283 485 4200 2187 4171.810 4126.155  
## 48 1.74e+08 183 7 1 278 509 4195 2211 4166.802 4102.175  
## 49 1.74e+08 185 7 0 251 484 4168 2186 4140.130 4127.252  
## 50 1.74e+08 190 7 0 208 509 4125 2211 4096.886 4102.581  
## 51 1.74e+08 190 7 1 275 512 4192 2214 4164.182 4099.935  
## 52 1.74e+08 195 7 1 276 514 4193 2216 4164.792 4097.165  
## 53 1.74e+08 195 7 0 218 543 4135 2245 4106.475 4068.621  
## 54 1.74e+08 197 7 0 233 523 4150 2225 4121.850 4088.588  
## 55 1.74e+08 201 7 0 254 495 4171 2197 4142.836 4116.528  
## 56 1.74e+08 203 7 1 271 511 4188 2213 4159.805 4100.197  
## 57 1.74e+08 209 7 0 185 445 4102 2147 4073.953 4166.131  
## 58 1.74e+08 209 7 1 310 531 4227 2233 4199.074 4080.550  
## 59 1.74e+08 210 7 1 272 506 4189 2208 4161.122 4105.215  
## 60 1.74e+08 211 7 1 264 550 4181 2252 4153.174 4061.993  
## 61 1.74e+08 212 7 1 274 548 4191 2250 4162.773 4063.596  
## 62 1.74e+08 220 7 1 289 501 4206 2203 4177.400 4110.128  
## 63 1.74e+08 221 7 1 270 523 4187 2225 4158.806 4088.560  
## 64 1.74e+08 221 7 0 237 532 4154 2234 4125.846 4079.243  
## 65 1.74e+08 221 7 0 191 608 4108 2310 4079.864 4003.346  
## 66 1.74e+08 223 7 1 313 416 4230 2118 4202.195 4195.770  
## 67 1.74e+08 223 7 0 157 526 4074 2228 4045.690 4085.904  
## 68 1.74e+08 229 7 1 271 511 4188 2213 4160.190 4100.552  
## 69 1.74e+08 239 7 1 273 529 4190 2231 4161.424 4082.588  
## 70 1.74e+08 240 7 1 288 552 4205 2254 4177.024 4059.337  
## 71 1.74e+08 241 7 1 353 556 4270 2258 4241.662 4055.201  
## 72 1.74e+08 243 7 1 337 428 4254 2130 4225.762 4183.423  
## 73 1.74e+08 244 7 1 275 545 4192 2247 4163.777 4066.621  
## 74 1.74e+08 244 7 1 369 583 4286 2285 4257.626 4028.241  
## 75 1.74e+08 249 7 1 297 539 4214 2241 4186.132 4072.213  
## 76 1.74e+08 250 7 1 371 585 4288 2287 4259.615 4026.959  
## 77 1.74e+08 251 7 1 290 534 4207 2236 4179.137 4077.598  
## 78 1.74e+08 253 7 1 290 536 4207 2238 4178.752 4075.940  
## 79 1.74e+08 255 7 1 299 539 4216 2241 4187.730 4072.211  
## 80 1.74e+08 255 7 1 275 640 4192 2342 4163.703 3971.744  
## 81 1.74e+08 256 7 1 299 512 4216 2214 4187.746 4099.554  
## 82 1.74e+08 256 7 0 236 537 4153 2239 4124.461 4074.626  
## 83 1.74e+08 258 7 1 291 526 4208 2228 4180.091 4085.576  
## 84 1.74e+08 260 7 1 293 510 4210 2212 4181.758 4101.548  
## 85 1.74e+08 260 7 1 294 535 4211 2237 4182.420 4076.904  
## 86 1.74e+08 260 7 1 276 539 4193 2241 4164.383 4072.598  
## 87 1.74e+08 264 7 1 307 417 4224 2119 4195.792 4194.416  
## 88 1.74e+08 265 7 1 297 549 4214 2251 4185.727 4062.977  
## 89 1.74e+08 268 7 1 294 531 4211 2233 4182.739 4080.575  
## 90 1.74e+08 269 7 0 243 638 4160 2340 4131.361 3974.137  
## 91 1.74e+08 270 7 0 239 536 4156 2238 4128.200 4075.227  
## 92 1.74e+08 271 7 1 284 517 4201 2219 4172.767 4094.563  
## 93 1.74e+08 276 7 1 385 570 4302 2272 4273.607 4041.959  
## 94 1.74e+08 277 7 1 345 489 4262 2191 4233.983 4122.756  
## 95 1.74e+08 278 7 1 280 527 4197 2229 4169.135 4084.570  
## 96 1.74e+08 279 7 1 286 547 4203 2249 4174.752 4064.971  
## 97 1.74e+08 280 7 1 276 514 4193 2216 4164.785 4097.904  
## 98 1.74e+08 282 7 1 286 453 4203 2155 4174.426 4158.459  
## 99 1.74e+08 285 7 0 210 461 4127 2163 4099.181 4150.790  
## 100 1.74e+08 288 7 1 319 537 4236 2239 4207.439 4074.825  
## 101 1.74e+08 288 7 1 384 582 4301 2284 4272.600 4029.205  
## 102 1.74e+08 289 7 0 235 524 4152 2226 4123.841 4087.580  
## 103 1.74e+08 289 7 1 387 546 4304 2248 4275.343 4065.797  
## 104 1.74e+08 296 7 1 311 508 4228 2210 4199.751 4103.517  
## 105 1.74e+08 298 7 0 250 452 4167 2154 4139.245 4159.098  
## 106 1.74e+08 300 7 1 307 514 4224 2216 4195.745 4097.532  
## 107 1.74e+08 301 7 1 281 508 4198 2210 4169.786 4103.546  
## 108 1.74e+08 303 7 1 266 539 4183 2241 4154.787 4072.597  
## 109 1.74e+08 306 7 0 250 526 4167 2228 4138.473 4085.586  
## 110 1.74e+08 307 7 0 250 525 4167 2227 4139.205 4086.194  
## 111 1.74e+08 311 7 1 305 526 4222 2228 4193.737 4085.542  
## 112 1.74e+08 311 7 1 317 532 4234 2234 4205.717 4079.197  
## 113 1.74e+08 312 7 1 311 517 4228 2219 4199.735 4094.144  
## 114 1.74e+08 316 7 1 327 501 4244 2203 4215.729 4110.493  
## 115 1.74e+08 318 7 0 228 601 4145 2303 4116.812 4011.075  
## 116 1.74e+08 320 7 1 314 498 4231 2200 4202.759 4113.168  
## 117 1.74e+08 324 7 1 263 528 4180 2230 4151.818 4083.968  
## 118 1.74e+08 331 7 1 298 502 4215 2204 4186.794 4109.526  
## 119 1.74e+08 334 7 1 314 519 4231 2221 4202.763 4092.163  
## 120 1.74e+08 335 7 1 306 515 4223 2217 4195.118 4096.528  
## 121 1.74e+08 337 7 1 311 528 4228 2230 4199.402 4083.545  
## 122 1.74e+08 342 7 1 313 487 4230 2189 4201.377 4124.109  
## 123 1.74e+08 345 7 0 210 459 4127 2161 4098.925 4152.521  
## 124 1.74e+08 346 7 1 265 518 4182 2220 4153.427 4093.959  
## 125 1.74e+08 347 7 1 308 498 4225 2200 4197.044 4113.789  
## 126 1.74e+08 353 7 0 205 484 4122 2186 4094.310 4127.554  
## 127 1.74e+08 354 7 0 253 507 4170 2209 4141.489 4104.556  
## 128 1.74e+08 354 7 1 315 512 4232 2214 4203.760 4099.526  
## 129 1.74e+08 355 7 1 263 516 4180 2218 4151.828 4095.564  
## 130 1.74e+08 359 7 1 277 486 4194 2188 4165.823 4125.135  
## 131 1.74e+08 359 7 1 315 508 4232 2210 4203.481 4103.800  
## 132 1.74e+08 361 7 0 213 483 4130 2185 4101.551 4128.552  
## 133 1.74e+08 369 7 1 299 498 4216 2200 4187.793 4113.517  
## 134 1.74e+08 374 7 1 348 492 4265 2194 4236.991 4119.223  
## 135 1.74e+08 377 7 0 196 482 4113 2184 4085.204 4129.296  
## 136 1.74e+08 378 7 1 282 483 4199 2185 4170.429 4128.523  
## 137 1.74e+08 381 7 1 310 509 4227 2211 4198.760 4102.871  
## 138 1.74e+08 386 7 1 376 591 4293 2293 4264.631 4020.574  
## 139 1.74e+08 389 7 1 377 498 4294 2200 4265.316 4113.439  
## 140 1.74e+08 390 7 1 335 511 4252 2213 4223.397 4100.479  
## 141 1.74e+08 391 7 1 290 555 4207 2257 4178.392 4056.560  
## 142 1.74e+08 395 7 1 299 513 4216 2215 4187.773 4098.484  
## 143 1.74e+08 395 7 1 381 553 4298 2255 4269.988 4058.490  
## 144 1.74e+08 401 7 1 379 556 4296 2258 4267.634 4055.465  
## 145 1.74e+08 404 7 1 327 432 4244 2134 4215.778 4178.934  
## 146 1.74e+08 405 7 1 304 510 4221 2212 4193.111 4101.430  
## 147 1.74e+08 406 7 1 380 556 4297 2258 4268.631 4055.828  
## 148 1.74e+08 409 7 0 240 509 4157 2211 4129.234 4102.842  
## 149 1.74e+08 412 7 1 303 484 4220 2186 4191.398 4127.010  
## 150 1.74e+08 415 7 1 283 490 4200 2192 4171.803 4121.805  
## 151 1.74e+08 418 7 0 249 517 4166 2219 4137.827 4094.496  
## 152 1.74e+08 419 7 1 340 466 4257 2168 4228.731 4145.744  
## 153 1.74e+08 423 7 1 362 562 4279 2264 4250.644 4049.504  
## 154 1.74e+08 424 7 1 284 541 4201 2243 4172.488 4070.248  
## 155 1.74e+08 425 7 1 270 495 4187 2197 4159.148 4116.468  
## 156 1.74e+08 429 7 1 271 510 4188 2212 4159.797 4101.832  
## 157 1.74e+08 429 7 0 177 571 4094 2273 4065.889 4041.008  
## 158 1.74e+08 430 7 1 301 521 4218 2223 4189.475 4090.763  
## 159 1.74e+08 437 7 0 254 405 4171 2107 4142.885 4206.728  
## 160 1.74e+08 439 7 0 230 516 4147 2218 4118.581 4095.238  
## 161 1.74e+08 440 7 1 274 530 4191 2232 4162.787 4081.506  
## 162 1.74e+08 442 7 1 369 572 4286 2274 4257.634 4039.508  
## 163 1.74e+08 444 7 0 233 483 4150 2185 4122.254 4128.468  
## 164 1.74e+08 449 7 0 228 521 4145 2223 4116.520 4090.521  
## 165 1.74e+08 451 7 1 293 469 4210 2171 4182.159 4142.409  
## 166 1.74e+08 452 7 1 347 467 4264 2169 4236.118 4144.378  
## 167 1.74e+08 455 7 1 281 446 4198 2148 4170.214 4165.393  
## 168 1.74e+08 461 7 0 223 437 4140 2139 4111.577 4174.413  
## 169 1.74e+08 461 7 1 382 485 4299 2187 4270.673 4126.004  
## 170 1.74e+08 463 7 1 328 482 4245 2184 4216.362 4129.023  
## 171 1.74e+08 465 7 1 272 559 4189 2261 4160.786 4052.550  
## 172 1.74e+08 466 7 1 276 485 4193 2187 4164.826 4126.444  
## 173 1.74e+08 466 7 0 224 529 4141 2231 4112.872 4082.878  
## 174 1.74e+08 469 7 1 267 513 4184 2215 4155.825 4098.105  
## 175 1.74e+08 470 7 1 259 513 4176 2215 4147.561 4098.762  
## 176 1.74e+08 470 7 0 234 538 4151 2240 4123.134 4073.809  
## 177 1.74e+08 470 7 1 285 548 4202 2250 4173.782 4063.897  
## 178 1.74e+08 473 7 1 286 508 4203 2210 4174.801 4103.465  
## 179 1.74e+08 473 7 1 326 614 4243 2316 4214.683 3997.209  
## 180 1.74e+08 475 7 1 285 509 4202 2211 4173.797 4102.472  
## 181 1.74e+08 478 7 1 318 558 4235 2260 4207.057 4053.528  
## 182 1.74e+08 484 7 1 358 587 4275 2289 4246.642 4024.915  
## 183 1.74e+08 489 7 0 232 526 4149 2228 4121.232 4085.919  
## 184 1.74e+08 491 7 0 232 542 4149 2244 4120.448 4069.164  
## 185 1.74e+08 493 7 1 274 531 4191 2233 4162.792 4080.519  
## 186 1.74e+08 497 7 1 275 536 4192 2238 4163.784 4075.529  
## 187 1.74e+08 500 7 0 238 582 4155 2284 4127.189 4029.995  
## 188 1.74e+08 501 7 1 323 556 4240 2258 4212.096 4055.132  
## 189 1.74e+08 505 7 1 287 598 4204 2300 4176.008 4013.879  
## 190 1.74e+08 506 7 1 267 532 4184 2234 4155.794 4079.181  
## 191 1.74e+08 506 7 1 277 534 4194 2236 4165.779 4077.520  
## 192 1.74e+08 509 7 1 284 512 4201 2214 4172.777 4099.140  
## 193 1.74e+08 511 7 1 279 548 4196 2250 4167.761 4063.535  
## 194 1.74e+08 517 7 0 231 465 4148 2167 4120.143 4146.730  
## 195 1.74e+08 517 7 1 266 518 4183 2220 4154.792 4093.511  
## 196 1.74e+08 522 7 1 278 519 4195 2221 4166.773 4092.513  
## 197 1.74e+08 523 7 1 279 546 4196 2248 4167.756 4065.194  
## 198 1.74e+08 525 7 1 366 557 4283 2259 4255.020 4054.517  
## 199 1.74e+08 526 7 0 229 549 4146 2251 4117.830 4062.588  
## 200 1.74e+08 527 7 1 277 530 4194 2232 4166.163 4081.144  
## 201 1.74e+08 527 7 1 285 535 4202 2237 4173.371 4076.147  
## 202 1.74e+08 528 7 0 222 529 4139 2231 4110.847 4082.223  
## 203 1.74e+08 544 7 1 288 502 4205 2204 4176.418 4109.481  
## 204 1.74e+08 546 7 1 288 501 4205 2203 4176.798 4110.481  
## 205 1.74e+08 552 7 1 281 522 4198 2224 4170.171 4089.516  
## 206 1.74e+08 555 7 1 286 534 4203 2236 4174.800 4077.156  
## 207 1.74e+08 556 7 1 292 497 4209 2199 4180.818 4114.485  
## 208 1.74e+08 557 7 0 229 519 4146 2221 4117.895 4092.557  
## 209 1.74e+08 560 7 1 287 518 4204 2220 4175.450 4093.534  
## 210 1.74e+08 562 7 1 367 567 4284 2269 4255.314 4044.163  
## 211 1.74e+08 566 7 1 293 492 4210 2194 4181.886 4119.508  
## 212 1.74e+08 567 7 1 277 502 4194 2204 4166.249 4109.533  
## 213 1.74e+08 567 7 0 233 510 4150 2212 4121.584 4101.570  
## 214 1.74e+08 567 7 1 289 528 4206 2230 4177.876 4083.908  
## 215 1.74e+08 567 7 1 307 580 4224 2282 4195.441 4031.622  
## 216 1.74e+08 568 7 1 273 542 4190 2244 4161.502 4069.200  
## 217 1.74e+08 570 7 1 290 527 4207 2229 4178.531 4084.566  
## 218 1.74e+08 572 7 0 186 547 4103 2249 4075.411 4064.274  
## 219 1.74e+08 575 7 1 270 591 4187 2293 4158.892 4020.320  
## 220 1.74e+08 577 7 0 238 546 4155 2248 4126.965 4066.010  
## 221 1.74e+08 577 7 0 201 589 4118 2291 4089.990 4023.093  
## 222 1.74e+08 578 7 0 189 485 4106 2187 4077.686 4126.575  
## 223 1.74e+08 578 7 1 259 485 4176 2187 4147.700 4126.806  
## 224 1.74e+08 580 7 1 271 506 4188 2208 4159.941 4105.922  
## 225 1.74e+08 580 7 1 289 510 4206 2212 4178.265 4101.543  
## 226 1.74e+08 581 7 1 321 428 4238 2130 4209.643 4183.684  
## 227 1.74e+08 582 7 1 297 487 4214 2189 4185.915 4124.842  
## 228 1.74e+08 583 7 1 295 489 4212 2191 4183.640 4122.227  
## 229 1.74e+08 584 7 1 277 537 4194 2239 4165.514 4074.180  
## 230 1.74e+08 587 7 1 293 507 4210 2209 4181.907 4104.881  
## 231 1.74e+08 590 7 0 255 517 4172 2219 4143.596 4094.218  
## 232 1.74e+08 590 7 1 279 615 4196 2317 4167.854 3997.065  
## 233 1.74e+08 591 7 0 249 420 4166 2122 4138.287 4191.714  
## 234 1.74e+08 594 7 1 306 611 4223 2313 4194.533 4000.392  
## 235 1.74e+08 595 7 1 303 483 4220 2185 4191.888 4128.496  
## 236 1.74e+08 596 7 0 239 504 4156 2206 4127.960 4107.943  
## 237 1.74e+08 598 7 1 300 519 4217 2221 4188.479 4092.934  
## 238 1.74e+08 599 7 1 265 483 4182 2185 4154.274 4128.522  
## 239 1.74e+08 599 7 0 240 503 4157 2205 4128.612 4108.565  
## 240 1.74e+08 599 7 1 378 554 4295 2256 4267.067 4057.220  
## 241 1.74e+08 603 7 0 252 511 4169 2213 4140.932 4100.560  
## 242 1.74e+08 608 7 1 306 481 4223 2183 4194.868 4130.863  
## 243 1.74e+08 608 7 1 281 532 4198 2234 4169.871 4079.195  
## 244 1.74e+08 610 7 1 259 489 4176 2191 4148.306 4122.139  
## 245 1.74e+08 613 7 1 287 485 4204 2187 4175.881 4126.146  
## 246 1.74e+08 613 7 1 289 486 4206 2188 4177.878 4125.494  
## 247 1.74e+08 615 7 1 288 484 4205 2186 4177.223 4127.487  
## 248 1.74e+08 619 7 1 326 482 4243 2184 4214.832 4129.078  
## 249 1.74e+08 619 7 1 301 512 4218 2214 4190.170 4099.188  
## 250 1.74e+08 621 7 0 223 436 4140 2138 4112.273 4175.722  
## 251 1.74e+08 625 7 1 296 502 4213 2204 4184.527 4109.500  
## 252 1.74e+08 626 7 0 247 501 4164 2203 4135.940 4110.148  
## 253 1.74e+08 631 7 1 303 503 4220 2205 4191.855 4108.124  
## 254 1.74e+08 633 7 1 304 505 4221 2207 4193.190 4106.496  
## 255 1.74e+08 635 7 1 308 518 4225 2220 4197.186 4093.503  
## 256 1.74e+08 637 7 1 293 488 4210 2190 4181.861 4123.467  
## 257 1.74e+08 643 7 0 232 487 4149 2189 4120.935 4124.894  
## 258 1.74e+08 647 7 1 295 487 4212 2189 4184.195 4124.496  
## 259 1.74e+08 647 7 1 313 494 4230 2196 4202.207 4117.112  
## 260 1.74e+08 650 7 1 284 489 4201 2191 4172.864 4122.515  
## 261 1.74e+08 650 7 1 306 519 4223 2221 4195.190 4092.543  
## 262 1.74e+08 652 7 1 306 510 4223 2212 4194.818 4101.534  
## 263 1.74e+08 655 7 1 326 393 4243 2095 4214.518 4218.371  
## 264 1.74e+08 657 7 1 271 507 4188 2209 4160.257 4104.172  
## 265 1.74e+08 662 7 1 308 502 4225 2204 4196.473 4109.530  
## 266 1.74e+08 663 7 1 309 502 4226 2204 4197.499 4109.852  
## 267 1.74e+08 665 7 1 383 587 4300 2289 4271.669 4024.602  
## 268 1.74e+08 666 7 1 308 535 4225 2237 4196.463 4076.575  
## 269 1.74e+08 669 7 1 294 515 4211 2217 4183.187 4096.558  
## 270 1.74e+08 669 7 1 301 516 4218 2218 4189.464 4095.555  
## 271 1.74e+08 675 7 1 300 521 4217 2223 4189.221 4090.968  
## 272 1.74e+08 676 7 0 253 519 4170 2221 4142.163 4092.335  
## 273 1.74e+08 678 7 1 308 521 4225 2223 4196.542 4090.304  
## 274 1.74e+08 681 7 1 302 516 4219 2218 4190.473 4095.575  
## 275 1.74e+08 681 7 1 307 523 4224 2225 4196.092 4088.858  
## 276 1.74e+08 683 7 1 307 523 4224 2225 4195.812 4088.201  
## 277 1.74e+08 686 7 1 291 518 4208 2220 4179.834 4093.200  
## 278 1.74e+08 688 7 0 251 525 4168 2227 4140.246 4086.616  
## 279 1.74e+08 690 7 1 297 511 4214 2213 4185.832 4100.570  
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## 285 1.74e+08 699 7 1 290 559 4207 2261 4178.810 4052.996  
## 286 1.74e+08 701 7 1 349 614 4266 2316 4237.696 3997.345  
## 287 1.74e+08 702 7 1 301 486 4218 2188 4189.839 4125.546  
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## 290 1.74e+08 710 7 1 292 549 4209 2251 4180.812 4062.632  
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## 295 1.74e+08 739 7 1 295 447 4212 2149 4183.876 4164.479  
## 296 1.74e+08 741 7 1 302 464 4219 2166 4190.591 4147.230  
## 297 1.74e+08 748 7 0 238 533 4155 2235 4126.573 4078.619  
## 298 1.74e+08 751 7 1 305 533 4222 2235 4193.433 4078.955  
## 299 1.74e+08 752 7 0 248 541 4165 2243 4136.895 4070.610  
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## 302 1.74e+08 757 7 0 245 539 4162 2241 4133.907 4072.245  
## 303 1.74e+08 760 7 1 371 580 4288 2282 4260.081 4031.583  
## 304 1.74e+08 764 7 1 369 580 4286 2282 4257.717 4031.591  
## 305 1.74e+08 768 7 1 294 533 4211 2235 4182.849 4078.575  
## 306 1.74e+08 770 7 1 266 570 4183 2272 4154.519 4041.637  
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## 310 1.74e+08 775 7 1 292 502 4209 2204 4180.868 4109.527  
## 311 1.74e+08 778 7 1 286 537 4203 2239 4175.208 4074.564  
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## 314 1.74e+08 785 7 1 363 572 4280 2274 4252.174 4039.990  
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## 316 1.74e+08 787 7 1 277 511 4194 2213 4166.307 4100.936  
## 317 1.74e+08 790 7 1 279 519 4196 2221 4167.887 4092.543  
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## 323 1.74e+08 802 7 1 281 528 4198 2230 4169.876 4083.904  
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## 325 1.74e+08 807 7 1 277 512 4194 2214 4165.604 4099.809  
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## 327 1.74e+08 812 7 1 277 497 4194 2199 4166.231 4114.515  
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## 329 1.74e+08 813 7 0 250 610 4167 2312 4138.854 4002.062  
## 330 1.74e+08 815 7 1 274 506 4191 2208 4162.499 4105.526  
## 331 1.74e+08 815 7 0 208 563 4125 2265 4096.934 4049.022  
## 332 1.74e+08 816 7 0 255 508 4172 2210 4143.899 4103.541  
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## 334 1.74e+08 820 7 0 158 457 4075 2159 4047.436 4154.150  
## 335 1.74e+08 822 7 1 283 483 4200 2185 4171.863 4128.496  
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## 337 1.74e+08 825 7 0 252 624 4169 2326 4141.090 3987.434  
## 338 1.74e+08 829 7 1 262 489 4179 2191 4150.882 4122.525  
## 339 1.74e+08 832 7 1 369 532 4286 2234 4257.721 4079.898  
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## 341 1.74e+08 837 7 1 334 421 4251 2123 4222.464 4190.387  
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## 346 1.74e+08 842 7 0 220 501 4137 2203 4108.583 4110.580  
## 347 1.74e+08 850 7 0 188 572 4105 2274 4076.558 4040.103  
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## 365 1.74e+08 927 7 1 296 529 4213 2231 4184.514 4082.530  
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## 369 1.74e+08 933 7 1 298 530 4215 2232 4186.482 4081.532  
## 370 1.74e+08 934 7 1 298 530 4215 2232 4186.855 4081.530  
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## 378 1.74e+08 946 7 0 175 548 4092 2250 4063.725 4063.909  
## 379 1.74e+08 947 7 0 245 533 4162 2235 4133.915 4078.573  
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## 390 1.74e+08 962 7 1 292 522 4209 2224 4180.839 4089.506  
## 391 1.74e+08 963 7 1 304 535 4221 2237 4192.813 4076.517  
## 392 1.74e+08 967 7 1 387 585 4304 2287 4276.021 4026.532  
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## 395 1.74e+08 976 7 1 348 620 4265 2322 4236.983 3991.342  
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## 399 1.74e+08 985 7 0 185 524 4102 2226 4073.995 4087.587  
## 400 1.74e+08 987 7 0 252 531 4169 2233 4140.898 4080.208  
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## 402 1.74e+08 988 7 1 296 515 4213 2217 4184.848 4096.515  
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## 404 1.74e+08 988 7 0 237 615 4154 2317 4125.869 3996.327  
## 405 1.74e+08 992 7 1 302 515 4219 2217 4191.112 4096.252  
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## 408 1.74e+08 998 7 0 192 577 4109 2279 4080.944 4034.681  
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## 410 1.74e+08 1006 7 1 288 508 4205 2210 4176.851 4103.516  
## 411 1.74e+08 1007 7 1 282 585 4199 2287 4171.201 4026.236  
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## 413 1.74e+08 1029 7 1 307 530 4224 2232 4196.094 4081.270  
## 414 1.74e+08 1031 7 1 292 498 4209 2200 4180.468 4113.112  
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## 416 1.74e+08 1035 7 1 302 483 4219 2185 4190.863 4128.104  
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## 420 1.74e+08 1046 7 1 309 514 4226 2216 4197.876 4097.892  
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## 433 1.74e+08 1088 7 1 290 503 4207 2205 4178.688 4108.804  
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## 436 1.74e+08 1103 7 1 264 487 4181 2189 4152.607 4124.097  
## 437 1.74e+08 1106 7 1 289 484 4206 2186 4178.290 4127.801  
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## 440 1.74e+08 1113 7 1 283 508 4200 2210 4171.953 4103.892  
## 441 1.74e+08 1114 7 0 156 544 4073 2246 4045.375 4067.372  
## 442 1.74e+08 1117 7 0 182 568 4099 2270 4071.430 4044.041  
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## 445 1.74e+08 1119 7 1 280 510 4197 2212 4168.939 4101.136  
## 446 1.74e+08 1123 7 1 284 526 4201 2228 4172.565 4085.532  
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## 448 1.74e+08 1126 7 1 272 543 4189 2245 4160.648 4068.839  
## 449 1.74e+08 1127 7 1 275 469 4192 2171 4163.684 4142.742  
## 450 1.74e+08 1127 7 0 223 513 4140 2215 4112.007 4098.907  
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## 452 1.74e+08 1137 7 1 262 547 4179 2249 4150.931 4064.907  
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## 455 1.74e+08 1143 7 1 276 521 4193 2223 4164.922 4090.150  
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## 457 1.74e+08 1159 7 1 283 504 4200 2206 4171.908 4107.515  
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## 466 1.74e+08 1173 7 1 265 514 4182 2216 4153.942 4097.528  
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## 468 1.74e+08 1178 7 0 220 532 4137 2234 4108.989 4079.226  
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## 477 1.74e+08 1191 7 0 222 534 4139 2236 4110.991 4077.577  
## 478 1.74e+08 1193 7 1 275 504 4192 2206 4163.937 4107.502  
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## 521 1.74e+08 1284 7 1 303 494 4220 2196 4191.798 4117.177  
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## 523 1.74e+08 1291 7 0 246 589 4163 2291 4134.445 4022.686  
## 524 1.74e+08 1293 7 1 313 483 4230 2185 4202.183 4128.493  
## 525 1.74e+08 1294 7 1 305 516 4222 2218 4193.795 4095.541  
## 526 1.74e+08 1295 7 1 313 482 4230 2184 4201.430 4129.487  
## 527 1.74e+08 1295 7 1 286 486 4203 2188 4174.463 4125.509  
## 528 1.74e+08 1298 7 1 296 490 4213 2192 4185.143 4121.823  
## 529 1.74e+08 1302 7 1 388 553 4305 2255 4276.660 4058.182  
## 530 1.74e+08 1303 7 1 305 502 4222 2204 4194.078 4109.794  
## 531 1.74e+08 1304 7 1 314 479 4231 2181 4202.804 4132.109  
## 532 1.74e+08 1306 7 1 333 412 4250 2114 4221.823 4199.381  
## 533 1.74e+08 1306 7 1 314 482 4231 2184 4202.808 4129.861  
## 534 1.74e+08 1310 7 1 311 516 4228 2218 4199.797 4095.538  
## 535 1.74e+08 1311 7 1 300 499 4217 2201 4189.215 4112.915  
## 536 1.74e+08 1311 7 1 289 501 4206 2203 4177.835 4110.531  
## 537 1.74e+08 1311 7 1 352 541 4269 2243 4241.089 4070.548  
## 538 1.74e+08 1311 7 1 339 575 4256 2277 4228.104 4036.602  
## 539 1.74e+08 1314 7 1 293 504 4210 2206 4181.418 4107.114  
## 540 1.74e+08 1318 7 0 247 490 4164 2192 4135.909 4121.542  
## 541 1.74e+08 1319 7 1 286 487 4203 2189 4175.177 4124.837  
## 542 1.74e+08 1319 7 1 394 488 4311 2190 4282.325 4123.070  
## 543 1.74e+08 1320 7 1 335 608 4252 2310 4223.441 4003.380  
## 544 1.74e+08 1321 7 1 311 516 4228 2218 4199.522 4095.262  
## 545 1.74e+08 1322 7 1 306 494 4223 2196 4194.820 4117.512  
## 546 1.74e+08 1323 7 1 309 491 4226 2193 4197.819 4120.846  
## 547 1.74e+08 1324 7 1 391 552 4308 2254 4280.016 4059.535  
## 548 1.74e+08 1327 7 1 390 554 4307 2256 4278.403 4057.805  
## 549 1.74e+08 1330 7 1 315 481 4232 2183 4203.817 4130.141  
## 550 1.74e+08 1333 7 1 304 474 4221 2176 4192.830 4137.141  
## 551 1.74e+08 1333 7 1 303 492 4220 2194 4191.820 4119.131  
## 552 1.74e+08 1337 7 1 264 495 4181 2197 4152.873 4116.543  
## 553 1.74e+08 1338 7 1 284 486 4201 2188 4172.573 4125.242  
## 554 1.74e+08 1341 7 0 229 570 4146 2272 4117.878 4042.010  
## 555 1.74e+08 1345 7 1 307 509 4224 2211 4196.087 4102.803  
## 556 1.74e+08 1351 7 0 251 510 4168 2212 4140.283 4101.174  
## 557 1.74e+08 1352 7 1 314 488 4231 2190 4202.546 4123.770  
## 558 1.74e+08 1354 7 1 309 525 4226 2227 4198.193 4086.160  
## 559 1.74e+08 1354 7 1 291 540 4208 2242 4179.472 4071.582  
## 560 1.74e+08 1354 7 0 234 605 4151 2307 4123.241 4007.088  
## 561 1.74e+08 1355 7 1 301 489 4218 2191 4189.458 4122.506  
## 562 1.74e+08 1358 7 0 211 429 4128 2131 4100.368 4182.103  
## 563 1.74e+08 1368 7 1 310 494 4227 2196 4199.180 4117.505  
## 564 1.74e+08 1368 7 1 303 517 4220 2219 4191.441 4094.930  
## 565 1.74e+08 1368 7 1 311 521 4228 2223 4200.199 4090.541  
## 566 1.74e+08 1369 7 1 311 496 4228 2198 4199.482 4115.508  
## 567 1.74e+08 1373 7 1 301 529 4218 2231 4189.825 4082.568  
## 568 1.74e+08 1377 7 1 348 562 4265 2264 4236.732 4049.587  
## 569 1.74e+08 1380 7 1 338 623 4255 2325 4226.432 3988.391  
## 570 1.74e+08 1381 7 1 340 614 4257 2316 4228.982 3997.371  
## 571 1.74e+08 1382 7 1 300 524 4217 2226 4189.212 4087.541  
## 572 1.74e+08 1383 7 1 333 521 4250 2223 4221.773 4090.873  
## 573 1.74e+08 1384 7 1 306 507 4223 2209 4194.820 4104.157  
## 574 1.74e+08 1386 7 1 317 512 4234 2214 4205.801 4099.844  
## 575 1.74e+08 1388 7 1 298 527 4215 2229 4186.817 4084.155  
## 576 1.74e+08 1388 7 1 335 569 4252 2271 4224.099 4042.576  
## 577 1.74e+08 1389 7 1 298 526 4215 2228 4186.465 4085.538  
## 578 1.74e+08 1390 7 1 290 526 4207 2228 4178.829 4085.548  
## 579 1.74e+08 1390 7 0 253 533 4170 2235 4141.529 4078.580  
## 580 1.74e+08 1392 7 1 330 535 4247 2237 4219.149 4076.541  
## 581 1.74e+08 1396 7 1 289 612 4206 2314 4178.055 3999.391  
## 582 1.74e+08 1397 7 1 367 536 4284 2238 4255.987 4075.244  
## 583 1.74e+08 1399 7 1 282 512 4199 2214 4171.234 4099.141  
## 584 1.74e+08 1399 7 1 294 516 4211 2218 4183.215 4095.140  
## 585 1.74e+08 1400 7 1 364 509 4281 2211 4253.106 4102.484  
## 586 1.74e+08 1407 7 1 278 519 4195 2221 4167.184 4092.568  
## 587 1.74e+08 1409 7 1 313 488 4230 2190 4201.816 4123.855  
## 588 1.74e+08 1415 7 1 371 584 4288 2286 4260.030 4027.593  
## 589 1.74e+08 1418 7 1 323 548 4240 2250 4211.771 4063.953  
## 590 1.74e+08 1419 7 1 298 512 4215 2214 4186.824 4099.535  
## 591 1.74e+08 1421 7 1 281 562 4198 2264 4169.425 4049.614  
## 592 1.74e+08 1425 7 1 286 535 4203 2237 4175.223 4076.182  
## 593 1.74e+08 1427 7 0 230 533 4147 2235 4118.920 4078.254  
## 594 1.74e+08 1428 7 1 270 565 4187 2267 4159.227 4046.621  
## 595 1.74e+08 1434 7 0 229 489 4146 2191 4117.562 4122.927  
## 596 1.74e+08 1435 7 1 284 535 4201 2237 4172.528 4076.241  
## 597 1.74e+08 1437 7 1 364 585 4281 2287 4252.708 4026.587  
## 598 1.74e+08 1438 7 0 225 533 4142 2235 4114.250 4078.922  
## 599 1.74e+08 1442 7 1 270 546 4187 2248 4158.847 4065.591  
## 600 1.74e+08 1445 7 1 289 511 4206 2213 4177.451 4100.913  
## 601 1.74e+08 1446 7 1 267 562 4184 2264 4155.477 4049.606  
## 602 1.74e+08 1453 7 1 283 545 4200 2247 4171.833 4066.213  
## 603 1.74e+08 1456 7 0 232 632 4149 2334 4121.129 3979.423  
## 604 1.74e+08 1458 7 1 279 531 4196 2233 4168.181 4080.842  
## 605 1.74e+08 1460 7 1 279 568 4196 2270 4168.215 4043.565  
## 606 1.74e+08 1460 7 1 361 581 4278 2283 4249.722 4030.192  
## 607 1.74e+08 1465 7 1 278 516 4195 2218 4166.868 4095.852  
## 608 1.74e+08 1466 7 1 267 541 4184 2243 4155.590 4070.784  
## 609 1.74e+08 1467 7 1 292 570 4209 2272 4181.083 4041.258  
## 610 1.74e+08 1468 7 1 285 504 4202 2206 4173.857 4107.062  
## 611 1.74e+08 1469 7 0 221 526 4138 2228 4109.930 4085.126  
## 612 1.74e+08 1469 7 0 191 556 4108 2258 4079.953 4055.569  
## 613 1.74e+08 1470 7 1 325 481 4242 2183 4214.091 4130.112  
## 614 1.74e+08 1481 7 1 282 494 4199 2196 4170.871 4117.444  
## 615 1.74e+08 1486 7 1 258 518 4175 2220 4146.888 4093.836  
## 616 1.74e+08 1487 7 1 278 533 4195 2235 4167.232 4078.491  
## 617 1.74e+08 1488 7 1 275 519 4192 2221 4163.864 4092.109  
## 618 1.74e+08 1498 7 1 260 544 4177 2246 4148.883 4067.535  
## 619 1.74e+08 1504 7 0 233 580 4150 2282 4121.522 4031.604  
## 620 1.74e+08 1507 7 1 285 487 4202 2189 4173.883 4124.094  
## 621 1.74e+08 1509 7 1 265 494 4182 2196 4153.901 4117.467  
## 622 1.74e+08 1512 7 0 237 603 4154 2305 4125.874 4008.640  
## 623 1.74e+08 1514 7 1 266 494 4183 2196 4155.247 4117.477  
## 624 1.74e+08 1519 7 1 282 521 4199 2223 4170.877 4090.506  
## 625 1.74e+08 1522 7 1 270 493 4187 2195 4158.915 4118.096  
## 626 1.74e+08 1527 7 1 273 499 4190 2201 4161.920 4112.860  
## 627 1.74e+08 1530 7 1 297 402 4214 2104 4185.946 4208.958  
## 628 1.74e+08 1537 7 1 289 480 4206 2182 4177.911 4131.443  
## 629 1.74e+08 1538 7 1 278 459 4195 2161 4166.939 4152.764  
## 630 1.74e+08 1544 7 1 282 506 4199 2208 4171.179 4105.753  
## 631 1.74e+08 1546 7 1 283 474 4200 2176 4171.927 4137.047  
## 632 1.74e+08 1551 7 1 286 490 4203 2192 4174.572 4121.437  
## 633 1.74e+08 1552 7 1 368 554 4285 2256 4256.760 4057.093  
## 634 1.74e+08 1554 7 1 284 498 4201 2200 4172.901 4113.456  
## 635 1.74e+08 1556 7 0 231 501 4148 2203 4119.969 4110.499  
## 636 1.74e+08 1559 7 1 275 487 4192 2189 4163.924 4124.813  
## 637 1.74e+08 1561 7 0 203 538 4120 2240 4092.316 4073.264  
## 638 1.74e+08 1562 7 1 288 504 4205 2206 4176.900 4107.491  
## 639 1.74e+08 1563 7 1 296 481 4213 2183 4184.906 4130.820  
## 640 1.74e+08 1564 7 1 296 482 4213 2184 4185.302 4129.848  
## 641 1.74e+08 1565 7 1 298 511 4215 2213 4186.892 4100.836  
## 642 1.74e+08 1567 7 1 297 509 4214 2211 4186.287 4102.108  
## 643 1.74e+08 1571 7 0 207 432 4124 2134 4096.077 4179.076  
## 644 1.74e+08 1576 7 1 292 508 4209 2210 4181.344 4103.931  
## 645 1.74e+08 1576 7 1 381 513 4298 2215 4269.803 4098.852  
## 646 1.74e+08 1576 7 1 328 517 4245 2219 4216.873 4094.880  
## 647 1.74e+08 1577 7 1 313 486 4230 2188 4201.915 4125.822  
## 648 1.74e+08 1577 7 0 248 514 4165 2216 4137.374 4097.165  
## 649 1.74e+08 1579 7 1 282 492 4199 2194 4170.616 4119.505  
## 650 1.74e+08 1579 7 0 250 516 4167 2218 4138.645 4095.557  
## 651 1.74e+08 1581 7 1 259 516 4176 2218 4147.983 4095.550  
## 652 1.74e+08 1582 7 1 283 492 4200 2194 4171.966 4119.505  
## 653 1.74e+08 1583 7 1 272 484 4189 2186 4160.605 4127.122  
## 654 1.74e+08 1583 7 1 359 539 4276 2241 4247.835 4072.906  
## 655 1.74e+08 1584 7 1 297 532 4214 2234 4185.924 4079.909  
## 656 1.74e+08 1585 7 1 283 519 4200 2221 4171.951 4092.544  
## 657 1.74e+08 1589 7 1 290 491 4207 2193 4178.568 4120.895  
## 658 1.74e+08 1589 7 1 298 500 4215 2202 4186.940 4111.515  
## 659 1.74e+08 1590 7 1 379 563 4296 2265 4267.789 4048.554  
## 660 1.74e+08 1591 7 1 300 526 4217 2228 4188.916 4085.550  
## 661 1.74e+08 1593 7 1 280 510 4197 2212 4168.568 4101.542  
## 662 1.74e+08 1595 7 1 290 502 4207 2204 4178.594 4109.521  
## 663 1.74e+08 1595 7 1 299 517 4216 2219 4187.533 4094.922  
## 664 1.74e+08 1598 7 1 307 521 4224 2223 4195.625 4090.811  
## 665 1.74e+08 1600 7 1 277 496 4194 2198 4165.947 4115.518  
## 666 1.74e+08 1600 7 1 261 507 4178 2209 4149.585 4104.542  
## 667 1.74e+08 1601 7 0 227 504 4144 2206 4116.007 4107.558  
## 668 1.74e+08 1602 7 1 364 447 4281 2149 4253.247 4164.004  
## 669 1.74e+08 1605 7 1 316 558 4233 2260 4204.846 4053.577  
## 670 1.74e+08 1606 7 1 290 502 4207 2204 4178.530 4109.516  
## 671 1.74e+08 1606 7 1 293 517 4210 2219 4181.550 4094.535  
## 672 1.74e+08 1608 7 1 265 442 4182 2144 4154.368 4169.060  
## 673 1.74e+08 1609 7 1 303 445 4220 2147 4191.919 4166.814  
## 674 1.74e+08 1609 7 0 246 520 4163 2222 4134.953 4091.189  
## 675 1.74e+08 1611 7 1 299 478 4216 2180 4187.904 4133.477  
## 676 1.74e+08 1613 7 1 311 499 4228 2201 4199.876 4112.135  
## 677 1.74e+08 1620 7 1 306 510 4223 2212 4194.468 4101.106  
## 678 1.74e+08 1620 7 1 304 526 4221 2228 4192.876 4085.902  
## 679 1.74e+08 1622 7 1 305 526 4222 2228 4193.483 4085.159  
## 680 1.74e+08 1627 7 1 387 579 4304 2281 4276.123 4032.975  
## 681 1.74e+08 1632 7 1 263 537 4180 2239 4151.549 4074.999  
## 682 1.74e+08 1634 7 1 333 505 4250 2207 4221.489 4106.144  
## 683 1.74e+08 1635 7 1 307 531 4224 2233 4195.894 4080.579  
## 684 1.74e+08 1638 7 1 307 532 4224 2234 4195.895 4079.597  
## 685 1.74e+08 1638 7 1 275 646 4192 2348 4163.490 3965.391  
## 686 1.74e+08 1639 7 0 252 532 4169 2234 4140.970 4079.635  
## 687 1.74e+08 1641 7 1 354 487 4271 2189 4242.858 4124.514  
## 688 1.74e+08 1646 7 1 299 555 4216 2257 4188.157 4056.901  
## 689 1.74e+08 1647 7 1 317 581 4234 2283 4205.458 4030.644  
## 690 1.74e+08 1648 7 1 334 526 4251 2228 4223.238 4085.944  
## 691 1.74e+08 1653 7 1 307 534 4224 2236 4195.893 4077.582  
## 692 1.74e+08 1657 7 1 361 481 4278 2183 4249.864 4130.488  
## 693 1.74e+08 1657 7 0 253 533 4170 2235 4142.253 4078.350  
## 694 1.74e+08 1659 7 1 305 458 4222 2160 4193.586 4153.497  
## 695 1.74e+08 1660 7 1 316 512 4233 2214 4204.913 4099.564  
## 696 1.74e+08 1663 7 1 284 515 4201 2217 4173.377 4097.001  
## 697 1.74e+08 1663 7 1 308 546 4225 2248 4196.912 4065.272  
## 698 1.74e+08 1666 7 1 308 535 4225 2237 4196.645 4076.324  
## 699 1.74e+08 1667 7 1 311 549 4228 2251 4199.907 4062.966  
## 700 1.74e+08 1668 7 1 308 522 4225 2224 4197.203 4089.303  
## 701 1.74e+08 1668 7 1 314 578 4231 2280 4203.268 4034.037  
## 702 1.74e+08 1671 7 1 344 446 4261 2148 4232.543 4165.451  
## 703 1.74e+08 1672 7 0 251 500 4168 2202 4140.286 4111.850  
## 704 1.74e+08 1673 7 1 296 590 4213 2292 4185.276 4022.052  
## 705 1.74e+08 1676 7 1 324 527 4241 2229 4212.561 4084.889  
## 706 1.74e+08 1678 7 1 389 556 4306 2258 4277.775 4055.950  
## 707 1.74e+08 1683 7 1 385 582 4302 2284 4274.115 4029.621  
## 708 1.74e+08 1687 7 1 313 549 4230 2251 4201.892 4062.627  
## 709 1.74e+08 1688 7 0 249 530 4166 2232 4137.619 4081.643  
## 710 1.74e+08 1692 7 1 278 486 4195 2188 4167.249 4125.839  
## 711 1.74e+08 1694 7 0 248 528 4165 2230 4136.712 4083.360  
## 712 1.74e+08 1694 7 1 303 530 4220 2232 4191.914 4081.608  
## 713 1.74e+08 1694 7 1 345 558 4262 2260 4233.568 4053.893  
## 714 1.74e+08 1695 7 1 291 513 4208 2215 4180.333 4098.199  
## 715 1.74e+08 1696 7 1 289 523 4206 2225 4177.560 4088.605  
## 716 1.74e+08 1697 7 1 317 557 4234 2259 4205.876 4054.277  
## 717 1.74e+08 1702 7 1 350 616 4267 2318 4238.413 3995.304  
## 718 1.74e+08 1704 7 1 344 621 4261 2323 4233.071 3990.964  
## 719 1.74e+08 1705 7 1 289 507 4206 2209 4177.940 4104.568  
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## 721 1.74e+08 1708 7 1 276 504 4193 2206 4164.956 4107.227  
## 722 1.74e+08 1715 7 1 275 501 4192 2203 4163.956 4110.565  
## 723 1.74e+08 1715 7 1 306 526 4223 2228 4194.899 4085.963  
## 724 1.74e+08 1716 7 0 244 521 4161 2223 4132.606 4090.610  
## 725 1.74e+08 1720 7 1 368 576 4285 2278 4256.784 4035.609  
## 726 1.74e+08 1724 7 1 281 511 4198 2213 4169.938 4100.577  
## 727 1.74e+08 1731 7 1 266 492 4183 2194 4154.575 4119.956  
## 728 1.74e+08 1735 7 0 248 520 4165 2222 4137.361 4091.222  
## 729 1.74e+08 1737 7 0 254 524 4171 2226 4142.572 4088.005  
## 730 1.74e+08 1738 7 0 231 404 4148 2106 4120.064 4207.087  
## 731 1.74e+08 1740 7 1 291 512 4208 2214 4179.923 4099.578  
## 732 1.74e+08 1746 7 1 268 491 4185 2193 4157.237 4120.289  
## 733 1.74e+08 1749 7 1 295 485 4212 2187 4184.204 4126.807  
## 734 1.74e+08 1749 7 0 233 505 4150 2207 4122.001 4106.240  
## 735 1.74e+08 1750 7 1 293 501 4210 2203 4181.921 4110.553  
## 736 1.74e+08 1751 7 1 264 612 4181 2314 4153.287 3999.330  
## 737 1.74e+08 1755 7 1 283 462 4200 2164 4171.964 4149.507  
## 738 1.74e+08 1755 7 0 227 500 4144 2202 4116.018 4111.592  
## 739 1.74e+08 1757 7 1 270 423 4187 2125 4159.396 4188.074  
## 740 1.74e+08 1763 7 1 353 521 4270 2223 4242.118 4090.822  
## 741 1.74e+08 1766 7 0 157 519 4074 2221 4046.490 4092.658  
## 742 1.74e+08 1769 7 0 244 515 4161 2217 4133.324 4096.919  
## 743 1.74e+08 1770 7 1 287 518 4204 2220 4175.667 4093.300  
## 744 1.74e+08 1771 7 1 281 587 4198 2289 4170.281 4024.670  
## 745 1.74e+08 1776 7 1 268 486 4185 2188 4156.985 4125.542  
## 746 1.74e+08 1777 7 1 265 471 4182 2173 4153.996 4140.150  
## 747 1.74e+08 1781 7 1 293 531 4210 2233 4181.917 4080.222  
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## 749 1.74e+08 1784 7 1 268 486 4185 2188 4156.565 4125.149  
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## 754 1.74e+08 1794 7 1 262 413 4179 2115 4150.637 4198.064  
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## 759 1.74e+08 1807 7 1 356 482 4273 2184 4244.852 4129.838  
## 760 1.74e+08 1811 7 1 276 496 4193 2198 4164.957 4115.184  
## 761 1.74e+08 1812 7 1 279 623 4196 2325 4167.879 3988.340  
## 762 1.74e+08 1813 7 1 358 560 4275 2262 4246.810 4051.584  
## 763 1.74e+08 1814 7 0 254 491 4171 2193 4143.315 4120.227  
## 764 1.74e+08 1814 7 0 219 606 4136 2308 4108.354 4005.727  
## 765 1.74e+08 1822 7 0 231 519 4148 2221 4120.019 4092.221  
## 766 1.74e+08 1822 7 1 356 563 4273 2265 4245.177 4048.587  
## 767 1.74e+08 1823 7 0 146 493 4063 2195 4034.772 4118.617  
## 768 1.74e+08 1825 7 0 254 495 4171 2197 4143.002 4116.558  
## 769 1.74e+08 1827 7 1 295 519 4212 2221 4184.204 4092.841  
## 770 1.74e+08 1830 7 1 263 500 4180 2202 4151.667 4111.884  
## 771 1.74e+08 1830 7 1 270 510 4187 2212 4158.973 4101.572  
## 772 1.74e+08 1832 7 0 231 523 4148 2225 4119.625 4088.223  
## 773 1.74e+08 1834 7 1 297 502 4214 2204 4185.939 4109.540  
## 774 1.74e+08 1835 7 1 273 576 4190 2278 4162.311 4035.268  
## 775 1.74e+08 1839 7 0 208 432 4125 2134 4096.710 4179.484  
## 776 1.74e+08 1839 7 0 253 499 4170 2201 4141.993 4112.931  
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## 782 1.74e+08 1851 7 1 274 480 4191 2182 4162.977 4131.886  
## 783 1.74e+08 1852 7 1 266 508 4183 2210 4154.971 4103.179  
## 784 1.74e+08 1853 7 1 262 502 4179 2204 4150.980 4109.925  
## 785 1.74e+08 1853 7 1 376 530 4293 2232 4264.807 4081.522  
## 786 1.74e+08 1854 7 1 361 577 4278 2279 4249.797 4034.955  
## 787 1.74e+08 1857 7 1 328 523 4245 2225 4217.251 4088.923  
## 788 1.74e+08 1859 7 1 259 469 4176 2171 4148.370 4142.892  
## 789 1.74e+08 1859 7 0 181 588 4098 2290 4070.408 4023.719  
## 790 1.74e+08 1861 7 1 278 483 4195 2185 4166.947 4128.521  
## 791 1.74e+08 1863 7 1 273 559 4190 2261 4162.180 4052.360  
## 792 1.74e+08 1864 7 1 270 511 4187 2213 4158.586 4100.570  
## 793 1.74e+08 1866 7 1 270 570 4187 2272 4159.297 4041.654  
## 794 1.74e+08 1868 7 1 290 508 4207 2210 4178.545 4103.561  
## 795 1.74e+08 1870 7 1 259 511 4176 2213 4148.355 4100.977  
## 796 1.74e+08 1876 7 1 284 533 4201 2235 4173.268 4078.602  
## 797 1.74e+08 1877 7 1 284 533 4201 2235 4173.315 4078.999  
## 798 1.74e+08 1878 7 1 281 489 4198 2191 4169.949 4122.548  
## 799 1.74e+08 1879 7 1 272 545 4189 2247 4161.319 4066.240  
## 800 1.74e+08 1880 7 0 241 540 4158 2242 4129.633 4071.643  
## 801 1.74e+08 1883 7 1 292 542 4209 2244 4180.514 4069.222  
## 802 1.74e+08 1883 7 1 289 547 4206 2249 4177.905 4064.999  
## 803 1.74e+08 1884 7 1 368 584 4285 2286 4256.775 4027.623  
## 804 1.74e+08 1885 7 1 286 535 4203 2237 4174.917 4076.604  
## 805 1.74e+08 1885 7 0 243 541 4160 2243 4131.971 4070.290  
## 806 1.74e+08 1892 7 1 364 553 4281 2255 4253.135 4058.253  
## 807 1.74e+08 1895 7 0 234 534 4151 2236 4123.002 4077.627  
## 808 1.74e+08 1895 7 1 307 593 4224 2295 4196.251 4018.281  
## 809 1.74e+08 1897 7 1 325 444 4242 2146 4213.551 4167.458  
## 810 1.74e+08 1898 7 1 299 538 4216 2240 4188.279 4073.602  
## 811 1.74e+08 1900 7 1 299 512 4216 2214 4187.915 4099.567  
## 812 1.74e+08 1903 7 0 251 474 4168 2176 4139.994 4137.933  
## 813 1.74e+08 1905 7 1 299 485 4216 2187 4187.918 4126.156  
## 814 1.74e+08 1905 7 1 287 528 4204 2230 4175.587 4083.907  
## 815 1.74e+08 1906 7 0 237 534 4154 2236 4125.973 4078.007  
## 816 1.74e+08 1910 7 1 300 521 4217 2223 4188.559 4090.570  
## 817 1.74e+08 1911 7 1 316 495 4233 2197 4204.898 4116.525  
## 818 1.74e+08 1911 7 1 306 540 4223 2242 4195.270 4071.977  
## 819 1.74e+08 1912 7 1 294 486 4211 2188 4182.937 4125.902  
## 820 1.74e+08 1914 7 1 283 516 4200 2218 4172.212 4095.842  
## 821 1.74e+08 1915 7 1 289 527 4206 2229 4177.926 4084.582  
## 822 1.74e+08 1919 7 1 285 516 4202 2218 4173.940 4095.561  
## 823 1.74e+08 1924 7 1 310 537 4227 2239 4199.248 4074.556  
## 824 1.74e+08 1925 7 1 287 577 4204 2279 4175.895 4034.252  
## 825 1.74e+08 1927 7 1 377 460 4294 2162 4266.186 4151.417  
## 826 1.74e+08 1931 7 1 307 505 4224 2207 4195.921 4106.149  
## 827 1.74e+08 1941 7 1 370 560 4287 2262 4258.817 4051.175  
## 828 1.74e+08 1941 7 0 182 573 4099 2275 4071.066 4038.686  
## 829 1.74e+08 1942 7 1 305 511 4222 2213 4193.935 4100.148  
## 830 1.74e+08 1948 7 1 306 542 4223 2244 4194.903 4069.578  
## 831 1.74e+08 1951 7 0 223 616 4140 2318 4112.391 3996.148  
## 832 1.74e+08 1953 7 1 272 635 4189 2337 4160.895 3976.721  
## 833 1.74e+08 1963 7 0 243 510 4160 2212 4132.015 4101.941  
## 834 1.74e+08 1963 7 1 393 564 4310 2266 4281.778 4047.170  
## 835 1.74e+08 1964 7 1 287 497 4204 2199 4175.962 4114.137  
## 836 1.74e+08 1965 7 1 295 497 4212 2199 4183.951 4114.860  
## 837 1.74e+08 1967 7 1 383 432 4300 2134 4272.144 4179.657  
## 838 1.74e+08 1967 7 1 308 514 4225 2216 4196.580 4097.539  
## 839 1.74e+08 1970 7 1 384 595 4301 2297 4272.494 4016.340  
## 840 1.74e+08 1971 7 1 391 561 4308 2263 4279.777 4050.564  
## 841 1.74e+08 1973 7 1 298 497 4215 2199 4187.297 4114.536  
## 842 1.74e+08 1973 7 1 312 499 4229 2201 4200.926 4112.907  
## 843 1.74e+08 1981 7 1 301 498 4218 2200 4189.548 4113.913  
## 844 1.74e+08 1985 7 1 308 507 4225 2209 4196.921 4104.533  
## 845 1.74e+08 1986 7 1 293 535 4210 2237 4181.923 4076.921  
## 846 1.74e+08 1987 7 1 288 488 4205 2190 4176.580 4123.518  
## 847 1.74e+08 1987 7 1 390 557 4307 2259 4278.418 4054.552  
## 848 1.74e+08 1988 7 1 315 484 4232 2186 4203.919 4127.839  
## 849 1.74e+08 1989 7 1 311 572 4228 2274 4199.594 4039.899  
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## 851 1.74e+08 1994 7 1 322 553 4239 2255 4211.253 4058.982  
## 852 1.74e+08 1995 7 1 329 411 4246 2113 4218.208 4200.122  
## 853 1.74e+08 1995 7 1 384 420 4301 2122 4272.584 4191.646  
## 854 1.74e+08 1996 7 1 352 417 4269 2119 4240.626 4194.667  
## 855 1.74e+08 1996 7 1 304 605 4221 2307 4193.135 4006.395  
## 856 1.74e+08 1999 7 1 264 509 4181 2211 4152.603 4102.559  
## 857 1.74e+08 2000 7 1 311 487 4228 2189 4199.915 4124.858  
## 858 1.74e+08 2001 7 1 329 516 4246 2218 4218.252 4095.522  
## 859 1.74e+08 2005 7 0 239 518 4156 2220 4127.998 4093.218  
## 860 1.74e+08 2005 7 1 309 518 4226 2220 4198.182 4093.810  
## 861 1.74e+08 2006 7 0 250 502 4167 2204 4139.333 4109.542  
## 862 1.74e+08 2010 7 1 329 427 4246 2129 4217.917 4184.384  
## 863 1.74e+08 2012 7 0 179 517 4096 2219 4068.066 4094.593  
## 864 1.74e+08 2015 7 1 374 536 4291 2238 4263.171 4075.889  
## 865 1.74e+08 2019 7 1 312 480 4229 2182 4200.908 4131.819  
## 866 1.74e+08 2020 7 1 304 503 4221 2205 4192.905 4108.511  
## 867 1.74e+08 2023 7 1 307 503 4224 2205 4195.902 4108.134  
## 868 1.74e+08 2025 7 1 297 496 4214 2198 4185.582 4115.502  
## 869 1.74e+08 2028 7 0 194 542 4111 2244 4083.037 4069.621  
## 870 1.74e+08 2029 7 1 290 487 4207 2189 4178.940 4124.489  
## 871 1.74e+08 2035 7 1 295 513 4212 2215 4183.925 4098.905  
## 872 1.74e+08 2042 7 1 296 462 4213 2164 4185.301 4149.450  
## 873 1.74e+08 2043 7 0 197 510 4114 2212 4086.424 4101.576  
## 874 1.74e+08 2044 7 0 242 507 4159 2209 4130.985 4104.546  
## 875 1.74e+08 2047 7 1 283 538 4200 2240 4171.566 4073.575  
## 876 1.74e+08 2048 7 1 284 495 4201 2197 4172.934 4116.141  
## 877 1.74e+08 2051 7 1 344 467 4261 2169 4232.882 4144.803  
## 878 1.74e+08 2051 7 1 364 533 4281 2235 4252.815 4078.151  
## 879 1.74e+08 2054 7 1 295 521 4212 2223 4183.656 4090.255  
## 880 1.74e+08 2056 7 0 251 520 4168 2222 4139.609 4091.928  
## 881 1.74e+08 2058 7 1 308 522 4225 2224 4196.564 4089.506  
## 882 1.74e+08 2061 7 1 296 515 4213 2217 4184.577 4096.499  
## 883 1.74e+08 2068 7 1 262 515 4179 2217 4150.603 4096.533  
## 884 1.74e+08 2069 7 1 377 474 4294 2176 4265.855 4137.789  
## 885 1.74e+08 2071 7 0 219 553 4136 2255 4107.647 4058.990  
## 886 1.74e+08 2075 7 1 349 613 4266 2315 4237.819 3998.986  
## 887 1.74e+08 2080 7 1 370 573 4287 2275 4258.825 4038.169  
## 888 1.74e+08 2081 7 1 275 506 4192 2208 4163.999 4105.505  
## 889 1.74e+08 2086 7 1 280 515 4197 2217 4169.374 4096.529  
## 890 1.74e+08 2086 7 1 307 624 4224 2326 4195.518 3988.044  
## 891 1.74e+08 2091 7 1 286 548 4203 2250 4175.002 4063.588  
## 892 1.74e+08 2094 7 1 263 510 4180 2212 4152.072 4101.218  
## 893 1.74e+08 2096 7 1 269 434 4186 2136 4158.113 4177.806  
## 894 1.74e+08 2097 7 1 270 513 4187 2215 4159.065 4098.560  
## 895 1.74e+08 2099 7 1 295 538 4212 2240 4184.016 4073.232  
## 896 1.74e+08 2102 7 1 267 541 4184 2243 4156.051 4070.961  
## 897 1.74e+08 2102 7 1 361 582 4278 2284 4249.898 4029.602  
## 898 1.74e+08 2103 7 0 192 511 4109 2213 4081.169 4100.261  
## 899 1.74e+08 2103 7 1 274 526 4191 2228 4163.370 4085.897  
## 900 1.74e+08 2103 7 1 364 583 4281 2285 4252.550 4028.600  
## 901 1.74e+08 2103 7 0 171 593 4088 2295 4059.871 4018.450  
## 902 1.74e+08 2105 7 1 285 532 4202 2234 4173.631 4079.964  
## 903 1.74e+08 2109 7 1 268 516 4185 2218 4156.695 4095.542  
## 904 1.74e+08 2113 7 1 285 513 4202 2215 4174.039 4098.529  
## 905 1.74e+08 2117 7 1 326 618 4243 2320 4214.923 3993.651  
## 906 1.74e+08 2118 7 1 352 461 4269 2163 4241.255 4150.695  
## 907 1.74e+08 2121 7 1 274 505 4191 2207 4162.711 4106.516  
## 908 1.74e+08 2122 7 0 222 534 4139 2236 4110.716 4077.199  
## 909 1.74e+08 2122 7 1 262 564 4179 2266 4151.353 4047.925  
## 910 1.74e+08 2129 7 1 348 552 4265 2254 4237.182 4059.803  
## 911 1.74e+08 2130 7 1 264 520 4181 2222 4153.042 4091.539  
## 912 1.74e+08 2130 7 1 358 586 4275 2288 4246.874 4025.573  
## 913 1.74e+08 2130 7 1 297 625 4214 2327 4185.935 3987.043  
## 914 1.74e+08 2131 7 0 251 493 4168 2195 4139.692 4118.896  
## 915 1.74e+08 2137 7 1 283 511 4200 2213 4172.016 4100.158  
## 916 1.74e+08 2137 7 0 252 570 4169 2272 4141.300 4041.352  
## 917 1.74e+08 2142 7 1 367 588 4284 2290 4256.201 4023.577  
## 918 1.74e+08 2144 7 1 264 516 4181 2218 4153.029 4095.543  
## 919 1.74e+08 2145 7 1 274 544 4191 2246 4163.268 4067.847  
## 920 1.74e+08 2147 7 1 272 488 4189 2190 4161.029 4123.504  
## 921 1.74e+08 2151 7 0 203 549 4120 2251 4092.075 4062.629  
## 922 1.74e+08 2159 7 1 288 536 4205 2238 4176.955 4075.558  
## 923 1.74e+08 2159 7 0 232 538 4149 2240 4121.030 4073.593  
## 924 1.74e+08 2160 7 0 221 527 4138 2229 4110.054 4084.203  
## 925 1.74e+08 2161 7 1 361 531 4278 2233 4250.244 4080.880  
## 926 1.74e+08 2163 7 1 264 537 4181 2239 4152.992 4074.563  
## 927 1.74e+08 2163 7 0 157 579 4074 2281 4046.113 4032.683  
## 928 1.74e+08 2165 7 1 285 506 4202 2208 4173.640 4105.511  
## 929 1.74e+08 2175 7 1 284 500 4201 2202 4172.992 4111.499  
## 930 1.74e+08 2177 7 1 286 499 4203 2201 4174.987 4112.123  
## 931 1.74e+08 2179 7 0 230 525 4147 2227 4119.427 4086.939  
## 932 1.74e+08 2184 7 1 286 497 4203 2199 4174.978 4114.852  
## 933 1.74e+08 2184 7 0 209 610 4126 2312 4098.016 4001.328  
## 934 1.74e+08 2185 7 1 287 496 4204 2198 4175.978 4115.474  
## 935 1.74e+08 2186 7 1 336 436 4253 2138 4224.950 4175.745  
## 936 1.74e+08 2186 7 1 335 558 4252 2260 4224.260 4053.915  
## 937 1.74e+08 2187 7 0 230 502 4147 2204 4119.056 4109.521  
## 938 1.74e+08 2193 7 1 258 505 4175 2207 4147.027 4106.521  
## 939 1.74e+08 2193 7 1 365 567 4282 2269 4253.844 4044.543  
## 940 1.74e+08 2205 7 1 307 623 4224 2325 4196.281 3988.265  
## 941 1.74e+08 2207 7 1 272 493 4189 2195 4161.018 4118.493  
## 942 1.74e+08 2207 7 1 266 626 4183 2328 4155.271 3986.002  
## 943 1.74e+08 2215 7 1 272 536 4189 2238 4161.005 4075.571  
## 944 1.74e+08 2215 7 1 369 556 4286 2258 4257.861 4055.890  
## 945 1.74e+08 2218 7 1 282 500 4199 2202 4170.691 4111.184  
## 946 1.74e+08 2221 7 1 300 513 4217 2215 4189.372 4098.113  
## 947 1.74e+08 2221 7 1 288 515 4205 2217 4176.630 4096.516  
## 948 1.74e+08 2222 7 0 229 522 4146 2224 4118.073 4089.561  
## 949 1.74e+08 2223 7 1 268 488 4185 2190 4157.365 4123.815  
## 950 1.74e+08 2226 7 0 196 442 4113 2144 4084.791 4169.468  
## 951 1.74e+08 2227 7 0 235 504 4152 2206 4124.082 4107.529  
## 952 1.74e+08 2232 7 1 375 554 4292 2256 4263.476 4057.126  
## 953 1.74e+08 2233 7 1 368 508 4285 2210 4256.903 4103.077  
## 954 1.74e+08 2238 7 1 310 519 4227 2221 4199.351 4092.492  
## 955 1.74e+08 2239 7 1 303 508 4220 2210 4191.980 4103.479  
## 956 1.74e+08 2243 7 1 365 578 4282 2280 4253.851 4033.540  
## 957 1.74e+08 2245 7 1 378 554 4295 2256 4266.846 4057.887  
## 958 1.74e+08 2248 7 1 315 506 4232 2208 4203.958 4105.475  
## 959 1.74e+08 2249 7 1 285 485 4202 2187 4174.396 4126.073  
## 960 1.74e+08 2252 7 1 299 503 4216 2205 4187.591 4108.091  
## 961 1.74e+08 2253 7 1 306 507 4223 2209 4194.969 4104.101  
## 962 1.74e+08 2259 7 1 336 447 4253 2149 4224.958 4163.993  
## 963 1.74e+08 2261 7 1 387 503 4304 2205 4276.237 4108.417  
## 964 1.74e+08 2262 7 1 290 517 4207 2219 4178.970 4094.494  
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## 981 1.74e+08 2292 7 1 389 564 4306 2266 4278.176 4047.514  
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## 983 1.74e+08 2303 7 1 308 519 4225 2221 4196.542 4092.106  
## 984 1.74e+08 2306 7 1 331 516 4248 2218 4220.178 4095.205  
## 985 1.74e+08 2306 7 1 273 590 4190 2292 4161.667 4021.887  
## 986 1.74e+08 2314 7 1 335 457 4252 2159 4223.944 4154.401  
## 987 1.74e+08 2315 7 1 292 518 4209 2220 4180.964 4093.124  
## 988 1.74e+08 2316 7 1 329 468 4246 2170 4217.549 4143.027  
## 989 1.74e+08 2317 7 1 302 518 4219 2220 4190.949 4093.130  
## 990 1.74e+08 2320 7 1 303 514 4220 2216 4192.319 4097.502  
## 991 1.74e+08 2320 7 1 307 527 4224 2229 4195.931 4084.518  
## 992 1.74e+08 2323 7 1 310 554 4227 2256 4198.900 4057.923  
## 993 1.74e+08 2325 7 1 390 579 4307 2281 4278.391 4032.532  
## 994 1.74e+08 2327 7 1 294 527 4211 2229 4182.653 4084.788  
## 995 1.74e+08 2340 7 0 254 500 4171 2202 4143.396 4111.123  
## 996 1.74e+08 2342 7 1 313 510 4230 2212 4201.549 4101.491  
## 997 1.74e+08 2346 7 0 246 549 4163 2251 4134.606 4062.204  
## 998 1.74e+08 2346 7 0 205 581 4122 2283 4094.027 4030.288  
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## 1000 1.74e+08 2351 7 0 230 589 4147 2291 4119.254 4022.936  
## 1001 1.74e+08 2353 7 1 301 530 4218 2232 4189.575 4081.543  
## 1002 1.74e+08 2355 7 1 299 511 4216 2213 4187.928 4100.170  
## 1003 1.74e+08 2358 7 1 288 529 4205 2231 4176.612 4082.862  
## 1004 1.74e+08 2365 7 1 299 531 4216 2233 4187.552 4080.515  
## 1005 1.74e+08 2367 7 1 383 586 4300 2288 4271.792 4025.196  
## 1006 1.74e+08 2374 7 1 269 501 4186 2203 4158.000 4110.494  
## 1007 1.74e+08 2374 7 1 290 564 4207 2266 4178.934 4047.936  
## 1008 1.74e+08 2375 7 1 274 523 4191 2225 4162.980 4088.892  
## 1009 1.74e+08 2375 7 0 255 541 4172 2243 4144.387 4070.161  
## 1010 1.74e+08 2378 7 1 285 518 4202 2220 4173.575 4093.892  
## 1011 1.74e+08 2379 7 0 240 533 4157 2235 4129.289 4078.820  
## 1012 1.74e+08 2381 7 1 342 486 4259 2188 4231.286 4125.426  
## 1013 1.74e+08 2381 7 1 283 529 4200 2231 4172.234 4082.791  
## 1014 1.74e+08 2388 7 1 308 537 4225 2239 4196.562 4074.514  
## 1015 1.74e+08 2388 7 1 340 615 4257 2317 4228.850 3996.601  
## 1016 1.74e+08 2391 7 1 281 513 4198 2215 4169.640 4098.494  
## 1017 1.74e+08 2392 7 1 287 525 4204 2227 4175.980 4086.882  
## 1018 1.74e+08 2393 7 1 367 581 4284 2283 4256.196 4030.528  
## 1019 1.74e+08 2395 7 1 373 579 4290 2281 4262.111 4032.789  
## 1020 1.74e+08 2396 7 1 264 579 4181 2281 4152.712 4032.301  
## 1021 1.74e+08 2397 7 1 299 533 4216 2235 4187.972 4078.494  
## 1022 1.74e+08 2398 7 1 298 532 4215 2234 4187.372 4079.888  
## 1023 1.74e+08 2399 7 0 235 525 4152 2227 4124.072 4086.896  
## 1024 1.74e+08 2401 7 1 336 512 4253 2214 4224.669 4099.171  
## 1025 1.74e+08 2402 7 1 275 520 4192 2222 4164.020 4091.490  
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## 1027 1.74e+08 2403 7 0 245 533 4162 2235 4134.417 4078.526  
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## 1039 1.74e+08 2430 7 1 313 500 4230 2202 4201.515 4111.472  
## 1040 1.74e+08 2431 7 0 169 554 4086 2256 4058.019 4057.634  
## 1041 1.74e+08 2433 7 1 274 534 4191 2236 4162.882 4077.547  
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## 1043 1.74e+08 2436 7 1 280 511 4197 2213 4168.884 4100.150  
## 1044 1.74e+08 2442 7 1 281 503 4198 2205 4169.889 4108.837  
## 1045 1.74e+08 2442 7 0 223 508 4140 2210 4112.344 4103.516  
## 1046 1.74e+08 2444 7 1 266 492 4183 2194 4154.922 4119.471  
## 1047 1.74e+08 2446 7 1 312 465 4229 2167 4200.880 4146.407  
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## 1054 1.74e+08 2476 7 1 283 479 4200 2181 4171.917 4132.850  
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## 1057 1.74e+08 2484 7 0 252 484 4169 2186 4140.949 4127.888  
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## 1062 1.74e+08 2494 7 1 269 443 4186 2145 4158.343 4168.442  
## 1063 1.74e+08 2499 7 1 278 492 4195 2194 4166.929 4119.156  
## 1064 1.74e+08 2500 7 1 290 500 4207 2202 4178.536 4111.504  
## 1065 1.74e+08 2500 7 1 302 511 4219 2213 4191.280 4100.118  
## 1066 1.74e+08 2501 7 1 292 559 4209 2261 4180.493 4052.580  
## 1067 1.74e+08 2506 7 1 261 506 4178 2208 4149.947 4105.863  
## 1068 1.74e+08 2508 7 0 222 507 4139 2209 4111.316 4104.850  
## 1069 1.74e+08 2511 7 1 278 508 4195 2210 4166.917 4103.120  
## 1070 1.74e+08 2513 7 1 260 505 4177 2207 4149.283 4106.481  
## 1071 1.74e+08 2518 7 1 314 468 4231 2170 4202.884 4143.384  
## 1072 1.74e+08 2521 7 1 299 395 4216 2097 4187.943 4216.663  
## 1073 1.74e+08 2522 7 0 217 416 4134 2118 4106.426 4194.980  
## 1074 1.74e+08 2528 7 1 279 472 4196 2174 4167.923 4139.733  
## 1075 1.74e+08 2538 7 1 270 548 4187 2250 4158.527 4063.506  
## 1076 1.74e+08 2539 7 1 273 504 4190 2206 4161.928 4107.791  
## 1077 1.74e+08 2539 7 1 261 516 4178 2218 4149.936 4095.092  
## 1078 1.74e+08 2539 7 1 268 534 4185 2236 4156.917 4077.874  
## 1079 1.74e+08 2542 7 1 306 500 4223 2202 4194.887 4111.058  
## 1080 1.74e+08 2548 7 0 244 531 4161 2233 4132.958 4080.151  
## 1081 1.74e+08 2549 7 1 268 507 4185 2209 4157.213 4104.216  
## 1082 1.74e+08 2551 7 1 283 519 4200 2221 4171.907 4092.118  
## 1083 1.74e+08 2553 7 1 320 458 4237 2160 4209.282 4153.771  
## 1084 1.74e+08 2559 7 1 269 508 4186 2210 4157.951 4103.486  
## 1085 1.74e+08 2559 7 1 322 535 4239 2237 4210.862 4076.144  
## 1086 1.74e+08 2560 7 1 291 529 4208 2231 4180.300 4082.117  
## 1087 1.74e+08 2561 7 1 295 571 4212 2273 4184.161 4040.832  
## 1088 1.74e+08 2562 7 1 270 509 4187 2211 4159.240 4102.215  
## 1089 1.74e+08 2562 7 1 294 520 4211 2222 4182.534 4091.105  
## 1090 1.74e+08 2563 7 1 327 487 4244 2189 4215.903 4124.050  
## 1091 1.74e+08 2566 7 1 262 532 4179 2234 4150.985 4079.194  
## 1092 1.74e+08 2566 7 1 327 538 4244 2240 4215.893 4073.505  
## 1093 1.74e+08 2567 7 1 360 480 4277 2182 4248.507 4131.789  
## 1094 1.74e+08 2569 7 0 229 586 4146 2288 4118.389 4025.632  
## 1095 1.74e+08 2571 7 1 297 553 4214 2255 4185.950 4058.919  
## 1096 1.74e+08 2572 7 1 312 483 4229 2185 4201.356 4128.822  
## 1097 1.74e+08 2573 7 1 290 526 4207 2228 4178.601 4085.516  
## 1098 1.74e+08 2578 7 1 277 645 4194 2347 4165.569 3966.718  
## 1099 1.74e+08 2579 7 1 291 638 4208 2340 4179.939 3973.703  
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## 1101 1.74e+08 2581 7 0 241 546 4158 2248 4130.069 4065.618  
## 1102 1.74e+08 2582 7 1 275 513 4192 2215 4164.046 4098.556  
## 1103 1.74e+08 2585 7 1 299 535 4216 2237 4188.008 4076.578  
## 1104 1.74e+08 2586 7 1 299 535 4216 2237 4188.009 4076.220  
## 1105 1.74e+08 2587 7 1 311 542 4228 2244 4199.988 4069.927  
## 1106 1.74e+08 2588 7 1 302 453 4219 2155 4190.662 4158.077  
## 1107 1.74e+08 2591 7 1 258 543 4175 2245 4146.782 4068.345  
## 1108 1.74e+08 2598 7 1 373 501 4290 2203 4261.891 4110.829  
## 1109 1.74e+08 2598 7 1 284 530 4201 2232 4172.995 4081.235  
## 1110 1.74e+08 2601 7 1 316 541 4233 2243 4204.939 4070.567  
## 1111 1.74e+08 2602 7 1 292 527 4209 2229 4180.982 4084.905  
## 1112 1.74e+08 2603 7 1 369 498 4286 2200 4257.517 4113.477  
## 1113 1.74e+08 2603 7 1 356 505 4273 2207 4244.911 4106.495  
## 1114 1.74e+08 2605 7 1 293 516 4210 2218 4181.992 4095.179  
## 1115 1.74e+08 2607 7 0 228 558 4145 2260 4117.444 4054.035  
## 1116 1.74e+08 2608 7 1 339 491 4256 2193 4227.942 4120.114  
## 1117 1.74e+08 2610 7 1 292 497 4209 2199 4181.007 4114.920  
## 1118 1.74e+08 2613 7 1 261 492 4178 2194 4149.659 4119.933  
## 1119 1.74e+08 2613 7 1 386 584 4303 2286 4274.823 4027.595  
## 1120 1.74e+08 2618 7 0 254 578 4171 2280 4142.623 4033.653  
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## 1122 1.74e+08 2627 7 1 287 511 4204 2213 4175.999 4100.922  
## 1123 1.74e+08 2631 7 1 316 505 4233 2207 4204.962 4106.911  
## 1124 1.74e+08 2633 7 1 280 575 4197 2277 4168.638 4036.979  
## 1125 1.74e+08 2635 7 1 299 523 4216 2225 4187.969 4088.953  
## 1126 1.74e+08 2637 7 0 201 470 4118 2172 4090.520 4141.553  
## 1127 1.74e+08 2638 7 1 291 595 4208 2297 4180.205 4016.391  
## 1128 1.74e+08 2640 7 1 295 506 4212 2208 4183.973 4105.539  
## 1129 1.74e+08 2644 7 1 311 536 4228 2238 4199.934 4075.913  
## 1130 1.74e+08 2647 7 1 316 499 4233 2201 4204.960 4112.526  
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## 1132 1.74e+08 2648 7 1 308 509 4225 2211 4196.969 4102.545  
## 1133 1.74e+08 2648 7 1 311 535 4228 2237 4200.300 4076.578  
## 1134 1.74e+08 2649 7 1 315 497 4232 2199 4203.970 4114.526  
## 1135 1.74e+08 2650 7 1 319 525 4236 2227 4207.949 4086.567  
## 1136 1.74e+08 2651 7 1 264 526 4181 2228 4153.024 4085.601  
## 1137 1.74e+08 2652 7 1 314 627 4231 2329 4202.555 3984.710  
## 1138 1.74e+08 2655 7 1 389 568 4306 2270 4277.829 4043.923  
## 1139 1.74e+08 2658 7 1 288 402 4205 2104 4177.333 4209.683  
## 1140 1.74e+08 2659 7 1 275 468 4192 2170 4164.037 4143.880  
## 1141 1.74e+08 2663 7 0 250 512 4167 2214 4139.039 4099.566  
## 1142 1.74e+08 2664 7 1 310 526 4227 2228 4198.949 4085.551  
## 1143 1.74e+08 2664 7 0 228 563 4145 2265 4117.039 4048.270  
## 1144 1.74e+08 2665 7 0 254 406 4171 2108 4142.715 4205.806  
## 1145 1.74e+08 2669 7 1 293 543 4210 2245 4181.649 4068.278  
## 1146 1.74e+08 2672 7 1 284 497 4201 2199 4173.009 4114.171  
## 1147 1.74e+08 2672 7 1 314 513 4231 2215 4202.959 4098.549  
## 1148 1.74e+08 2675 7 1 316 460 4233 2162 4205.345 4151.472  
## 1149 1.74e+08 2677 7 1 307 590 4224 2292 4195.929 4022.001  
## 1150 1.74e+08 2678 7 1 307 522 4224 2224 4195.969 4089.560  
## 1151 1.74e+08 2680 7 1 311 485 4228 2187 4199.982 4126.505  
## 1152 1.74e+08 2681 7 1 392 471 4309 2173 4281.154 4140.708  
## 1153 1.74e+08 2681 7 0 249 514 4166 2216 4138.049 4097.579  
## 1154 1.74e+08 2684 7 0 224 498 4141 2200 4112.710 4113.570  
## 1155 1.74e+08 2685 7 1 292 495 4209 2197 4180.998 4116.181  
## 1156 1.74e+08 2686 7 1 341 431 4258 2133 4229.968 4180.033  
## 1157 1.74e+08 2686 7 1 316 546 4233 2248 4204.935 4065.584  
## 1158 1.74e+08 2687 7 1 328 496 4245 2198 4216.946 4115.860  
## 1159 1.74e+08 2689 7 1 307 484 4224 2186 4196.365 4127.510  
## 1160 1.74e+08 2691 7 1 280 411 4197 2113 4169.069 4200.802  
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## 1162 1.74e+08 2697 7 1 294 497 4211 2199 4182.625 4114.527  
## 1163 1.74e+08 2698 7 0 254 553 4171 2255 4143.398 4058.629  
## 1164 1.74e+08 2700 7 1 380 554 4297 2256 4268.855 4057.553  
## 1165 1.74e+08 2701 7 0 233 439 4150 2141 4121.741 4172.481  
## 1166 1.74e+08 2701 7 1 285 513 4202 2215 4174.007 4098.171  
## 1167 1.74e+08 2710 7 1 275 421 4192 2123 4164.071 4190.422  
## 1168 1.74e+08 2713 7 1 291 473 4208 2175 4180.394 4138.476  
## 1169 1.74e+08 2714 7 1 274 490 4191 2192 4162.631 4121.116  
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## 1171 1.74e+08 2726 7 1 268 493 4185 2195 4157.049 4118.198  
## 1172 1.74e+08 2726 7 1 355 553 4272 2255 4244.274 4058.572  
## 1173 1.74e+08 2727 7 1 397 530 4314 2232 4285.852 4081.517  
## 1174 1.74e+08 2730 7 1 289 514 4206 2216 4178.004 4097.554  
## 1175 1.74e+08 2730 7 1 372 555 4289 2257 4260.477 4056.172  
## 1176 1.74e+08 2735 7 1 279 492 4196 2194 4168.025 4119.509  
## 1177 1.74e+08 2736 7 1 278 472 4195 2174 4167.037 4139.481  
## 1178 1.74e+08 2737 7 0 244 513 4161 2215 4132.712 4098.555  
## 1179 1.74e+08 2737 7 1 371 557 4288 2259 4259.506 4054.540  
## 1180 1.74e+08 2738 7 0 185 520 4102 2222 4074.136 4091.218  
## 1181 1.74e+08 2741 7 1 298 515 4215 2217 4187.264 4096.790  
## 1182 1.74e+08 2743 7 1 295 487 4212 2189 4184.008 4124.473  
## 1183 1.74e+08 2743 7 1 293 513 4210 2215 4182.342 4098.510  
## 1184 1.74e+08 2744 7 0 248 511 4165 2213 4137.060 4100.535  
## 1185 1.74e+08 2745 7 1 294 613 4211 2315 4182.939 3998.649  
## 1186 1.74e+08 2747 7 1 281 465 4198 2167 4170.051 4146.462  
## 1187 1.74e+08 2749 7 0 227 510 4144 2212 4116.494 4101.950  
## 1188 1.74e+08 2754 7 1 282 514 4199 2216 4171.367 4097.524  
## 1189 1.74e+08 2755 7 1 276 489 4193 2191 4165.029 4122.118  
## 1190 1.74e+08 2757 7 1 264 511 4181 2213 4153.304 4100.800  
## 1191 1.74e+08 2759 7 1 300 530 4217 2232 4188.962 4081.177  
## 1192 1.74e+08 2763 7 1 371 569 4288 2271 4259.568 4042.260  
## 1193 1.74e+08 2771 7 1 268 532 4185 2234 4157.261 4079.825  
## 1194 1.74e+08 2771 7 1 279 539 4196 2241 4167.968 4072.902  
## 1195 1.74e+08 2774 7 1 281 535 4198 2237 4170.372 4076.954  
## 1196 1.74e+08 2775 7 0 195 526 4112 2228 4083.803 4085.853  
## 1197 1.74e+08 2784 7 1 311 523 4228 2225 4199.585 4088.514  
## 1198 1.74e+08 2787 7 1 280 547 4197 2249 4168.611 4064.568  
## 1199 1.74e+08 2788 7 1 298 505 4215 2207 4187.304 4106.503  
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## 1201 1.74e+08 2789 7 0 221 527 4138 2229 4109.621 4085.018  
## 1202 1.74e+08 2790 7 1 365 506 4282 2208 4254.257 4105.085  
## 1203 1.74e+08 2795 7 1 300 595 4217 2297 4189.292 4016.237  
## 1204 1.74e+08 2796 7 0 252 509 4169 2211 4141.442 4102.114  
## 1205 1.74e+08 2798 7 1 287 639 4204 2341 4175.509 3973.080  
## 1206 1.74e+08 2800 7 1 285 455 4202 2157 4173.632 4156.059  
## 1207 1.74e+08 2803 7 1 282 509 4199 2211 4170.989 4102.170  
## 1208 1.74e+08 2805 7 1 280 551 4197 2253 4168.592 4060.572  
## 1209 1.74e+08 2808 7 1 277 553 4194 2255 4165.969 4058.583  
## 1210 1.74e+08 2810 7 1 276 521 4193 2223 4164.995 4090.198  
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## 1214 1.74e+08 2820 7 1 297 622 4214 2324 4186.274 3989.288  
## 1215 1.74e+08 2821 7 1 276 528 4193 2230 4165.356 4083.555  
## 1216 1.74e+08 2829 7 1 269 555 4186 2257 4157.981 4056.225  
## 1217 1.74e+08 2830 7 0 252 527 4169 2229 4141.025 4084.234  
## 1218 1.74e+08 2831 7 1 264 547 4181 2249 4152.615 4064.597  
## 1219 1.74e+08 2832 7 1 294 431 4211 2133 4183.402 4180.421  
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## 1222 1.74e+08 2838 7 1 282 576 4199 2278 4170.963 4035.284  
## 1223 1.74e+08 2846 7 1 267 543 4184 2245 4155.677 4068.587  
## 1224 1.74e+08 2847 7 1 296 517 4213 2219 4184.601 4094.928  
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## 1226 1.74e+08 2849 7 1 274 525 4191 2227 4162.680 4086.553  
## 1227 1.74e+08 2849 7 1 265 642 4182 2344 4154.346 3970.099  
## 1228 1.74e+08 2854 7 1 294 537 4211 2239 4183.358 4074.562  
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## 1230 1.74e+08 2858 7 1 365 580 4282 2282 4254.243 4031.572  
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## 1233 1.74e+08 2861 7 1 290 505 4207 2207 4179.023 4106.506  
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## 1235 1.74e+08 2862 7 1 272 511 4189 2213 4160.652 4100.914  
## 1236 1.74e+08 2866 7 1 348 460 4265 2162 4236.977 4151.014  
## 1237 1.74e+08 2867 7 1 288 569 4205 2271 4176.993 4042.927  
## 1238 1.74e+08 2869 7 1 289 567 4206 2269 4177.989 4044.236  
## 1239 1.74e+08 2871 7 1 362 520 4279 2222 4250.913 4091.472  
## 1240 1.74e+08 2872 7 1 281 518 4198 2220 4170.026 4093.519  
## 1241 1.74e+08 2875 7 1 280 514 4197 2216 4169.297 4097.791  
## 1242 1.74e+08 2880 7 1 274 549 4191 2251 4163.366 4062.556  
## 1243 1.74e+08 2880 7 1 312 574 4229 2276 4200.937 4037.189  
## 1244 1.74e+08 2882 7 1 292 563 4209 2265 4181.343 4048.559  
## 1245 1.74e+08 2883 7 1 270 502 4187 2204 4159.032 4109.488  
## 1246 1.74e+08 2883 7 1 274 548 4191 2250 4162.999 4063.549  
## 1247 1.74e+08 2887 7 1 281 534 4198 2236 4169.607 4077.534  
## 1248 1.74e+08 2888 7 1 336 601 4253 2303 4224.498 4010.595  
## 1249 1.74e+08 2889 7 1 293 504 4210 2206 4181.986 4107.145  
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## 1252 1.74e+08 2895 7 1 297 557 4214 2259 4185.571 4054.562  
## 1253 1.74e+08 2895 7 1 354 574 4271 2276 4242.478 4037.169  
## 1254 1.74e+08 2898 7 1 289 473 4206 2175 4178.011 4138.457  
## 1255 1.74e+08 2898 7 1 282 497 4199 2199 4171.328 4114.171  
## 1256 1.74e+08 2900 7 1 281 530 4198 2232 4170.331 4081.539  
## 1257 1.74e+08 2901 7 1 307 518 4224 2220 4196.231 4093.235  
## 1258 1.74e+08 2901 7 0 191 549 4108 2251 4080.488 4063.005  
## 1259 1.74e+08 2902 7 0 251 519 4168 2221 4140.360 4092.865  
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## 1265 1.74e+08 2915 7 1 285 536 4202 2238 4173.978 4075.196  
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## 1313 1.74e+08 3028 7 1 328 468 4245 2170 4216.967 4143.771  
## 1314 1.74e+08 3029 7 1 332 527 4249 2229 4221.279 4084.478  
## 1315 1.74e+08 3034 7 1 390 487 4307 2189 4278.489 4124.776  
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## 1318 1.74e+08 3039 7 0 200 592 4117 2294 4089.081 4020.036  
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## 1322 1.74e+08 3051 7 1 284 555 4201 2257 4173.379 4056.180  
## 1323 1.74e+08 3057 7 1 283 565 4200 2267 4172.346 4046.593  
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## 1330 1.74e+08 3069 7 1 274 545 4191 2247 4163.002 4066.198  
## 1331 1.74e+08 3074 7 1 360 528 4277 2230 4248.536 4083.470  
## 1332 1.74e+08 3074 7 0 187 532 4104 2234 4075.731 4079.577  
## 1333 1.74e+08 3075 7 1 272 515 4189 2217 4161.007 4096.133  
## 1334 1.74e+08 3075 7 1 274 576 4191 2278 4162.542 4036.016  
## 1335 1.74e+08 3077 7 1 289 575 4206 2277 4177.676 4036.861  
## 1336 1.74e+08 3078 7 1 305 572 4222 2274 4193.936 4039.198  
## 1337 1.74e+08 3083 7 1 291 510 4208 2212 4179.696 4101.169  
## 1338 1.74e+08 3083 7 1 299 530 4216 2232 4187.602 4081.120  
## 1339 1.74e+08 3085 7 1 290 549 4207 2251 4179.379 4062.546  
## 1340 1.74e+08 3087 7 0 203 449 4120 2151 4092.194 4162.086  
## 1341 1.74e+08 3092 7 1 290 547 4207 2249 4178.653 4064.953  
## 1342 1.74e+08 3093 7 1 278 510 4195 2212 4167.085 4101.907  
## 1343 1.74e+08 3097 7 0 203 484 4120 2186 4092.618 4127.167  
## 1344 1.74e+08 3097 7 1 284 569 4201 2271 4173.068 4042.624  
## 1345 1.74e+08 3100 7 1 287 530 4204 2232 4176.105 4081.574  
## 1346 1.74e+08 3104 7 1 286 503 4203 2205 4175.395 4108.805  
## 1347 1.74e+08 3105 7 1 285 501 4202 2203 4174.117 4110.529  
## 1348 1.74e+08 3108 7 0 225 468 4142 2170 4114.204 4143.519  
## 1349 1.74e+08 3108 7 0 245 578 4162 2280 4133.748 4033.657  
## 1350 1.74e+08 3111 7 1 278 542 4195 2244 4167.075 4069.930  
## 1351 1.74e+08 3113 7 0 200 542 4117 2244 4088.844 4069.958  
## 1352 1.74e+08 3117 7 1 284 496 4201 2198 4173.086 4115.893  
## 1353 1.74e+08 3119 7 1 279 562 4196 2264 4168.057 4049.602  
## 1354 1.74e+08 3130 7 1 270 491 4187 2193 4159.108 4120.871  
## 1355 1.74e+08 3130 7 1 279 555 4196 2257 4168.438 4056.579  
## 1356 1.74e+08 3131 7 1 295 490 4212 2192 4184.465 4121.090  
## 1357 1.74e+08 3135 7 1 276 512 4193 2214 4164.735 4099.536  
## 1358 1.74e+08 3135 7 1 283 515 4200 2217 4172.075 4096.162  
## 1359 1.74e+08 3135 7 1 264 591 4181 2293 4152.675 4020.270  
## 1360 1.74e+08 3136 7 1 315 561 4232 2263 4204.388 4050.581  
## 1361 1.74e+08 3137 7 1 331 496 4248 2198 4220.026 4115.132  
## 1362 1.74e+08 3139 7 1 282 487 4199 2189 4171.102 4124.501  
## 1363 1.74e+08 3142 7 0 164 506 4081 2208 4053.260 4105.940  
## 1364 1.74e+08 3144 7 1 276 529 4193 2231 4165.098 4082.550  
## 1365 1.74e+08 3147 7 0 252 486 4169 2188 4141.152 4125.121  
## 1366 1.74e+08 3147 7 1 271 502 4188 2204 4159.761 4109.516  
## 1367 1.74e+08 3154 7 1 270 499 4187 2201 4158.690 4112.940  
## 1368 1.74e+08 3157 7 1 276 505 4193 2207 4165.103 4106.876  
## 1369 1.74e+08 3158 7 1 354 568 4271 2270 4242.959 4043.567  
## 1370 1.74e+08 3159 7 0 201 439 4118 2141 4089.975 4172.752  
## 1371 1.74e+08 3160 7 1 371 508 4288 2210 4259.977 4103.470  
## 1372 1.74e+08 3163 7 1 281 542 4198 2244 4170.083 4069.570  
## 1373 1.74e+08 3170 7 1 282 545 4199 2247 4171.060 4066.576  
## 1374 1.74e+08 3171 7 1 362 553 4279 2255 4250.943 4058.198  
## 1375 1.74e+08 3174 7 1 361 552 4278 2254 4249.945 4059.158  
## 1376 1.74e+08 3176 7 0 224 501 4141 2203 4113.553 4110.157  
## 1377 1.74e+08 3177 7 0 232 530 4149 2232 4121.141 4081.959  
## 1378 1.74e+08 3177 7 1 362 554 4279 2256 4251.302 4057.534  
## 1379 1.74e+08 3183 7 1 275 523 4192 2225 4164.080 4088.924  
## 1380 1.74e+08 3187 7 1 271 486 4188 2188 4159.709 4125.108  
## 1381 1.74e+08 3194 7 1 288 520 4205 2222 4177.046 4091.887  
## 1382 1.74e+08 3195 7 1 301 446 4218 2148 4190.075 4165.799  
## 1383 1.74e+08 3195 7 0 242 513 4159 2215 4131.458 4098.552  
## 1384 1.74e+08 3197 7 1 351 512 4268 2214 4239.970 4099.861  
## 1385 1.74e+08 3200 7 1 294 481 4211 2183 4182.676 4130.070  
## 1386 1.74e+08 3201 7 1 285 512 4202 2214 4174.418 4099.511  
## 1387 1.74e+08 3202 7 1 322 464 4239 2166 4211.041 4147.423  
## 1388 1.74e+08 3202 7 0 232 506 4149 2208 4120.782 4105.534  
## 1389 1.74e+08 3203 7 1 294 485 4211 2187 4183.064 4126.849  
## 1390 1.74e+08 3205 7 1 335 461 4252 2163 4224.016 4150.059  
## 1391 1.74e+08 3208 7 1 270 504 4187 2206 4159.074 4107.138  
## 1392 1.74e+08 3208 7 1 292 521 4209 2223 4181.377 4090.509  
## 1393 1.74e+08 3210 7 1 293 492 4210 2194 4181.636 4119.883  
## 1394 1.74e+08 3214 7 1 365 505 4282 2207 4253.945 4106.778  
## 1395 1.74e+08 3215 7 1 344 592 4261 2294 4233.314 4019.175  
## 1396 1.74e+08 3217 7 1 300 490 4217 2192 4189.045 4121.455  
## 1397 1.74e+08 3218 7 0 179 484 4096 2186 4068.214 4127.518  
## 1398 1.74e+08 3219 7 1 300 491 4217 2193 4188.651 4120.845  
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## 1400 1.75e+08 3228 7 1 298 530 4215 2232 4186.999 4081.501  
## 1401 1.75e+08 3228 7 1 377 567 4294 2269 4266.214 4044.504  
## 1402 1.75e+08 3237 7 1 303 495 4220 2197 4192.023 4116.471  
## 1403 1.75e+08 3239 7 1 355 451 4272 2153 4243.982 4160.385  
## 1404 1.75e+08 3240 7 1 279 610 4196 2312 4167.992 4002.024  
## 1405 1.75e+08 3242 7 1 269 490 4186 2192 4158.071 4121.861  
## 1406 1.75e+08 3242 7 0 251 533 4168 2235 4140.070 4078.556  
## 1407 1.75e+08 3242 7 1 272 575 4189 2277 4161.398 4036.220  
## 1408 1.75e+08 3243 7 1 294 517 4211 2219 4183.017 4094.509  
## 1409 1.75e+08 3247 7 1 347 477 4264 2179 4236.349 4134.042  
## 1410 1.75e+08 3250 7 1 288 538 4205 2240 4177.007 4073.935  
## 1411 1.75e+08 3252 7 1 384 577 4301 2279 4272.862 4034.546  
## 1412 1.75e+08 3254 7 1 296 521 4213 2223 4185.020 4090.142  
## 1413 1.75e+08 3256 7 1 290 514 4207 2216 4179.038 4097.515  
## 1414 1.75e+08 3258 7 1 303 530 4220 2232 4192.408 4081.919  
## 1415 1.75e+08 3264 7 1 304 540 4221 2242 4193.348 4071.533  
## 1416 1.75e+08 3267 7 1 283 510 4200 2212 4171.643 4101.112  
## 1417 1.75e+08 3269 7 1 301 486 4218 2188 4190.026 4125.459  
## 1418 1.75e+08 3274 7 1 314 511 4231 2213 4203.004 4100.474  
## 1419 1.75e+08 3275 7 1 302 490 4219 2192 4191.034 4121.835  
## 1420 1.75e+08 3275 7 1 294 516 4211 2218 4183.029 4095.110  
## 1421 1.75e+08 3275 7 1 263 540 4180 2242 4152.057 4071.157  
## 1422 1.75e+08 3277 7 1 294 512 4211 2214 4183.444 4099.071  
## 1423 1.75e+08 3282 7 0 246 506 4163 2208 4134.820 4105.248  
## 1424 1.75e+08 3283 7 1 324 528 4241 2230 4212.973 4083.510  
## 1425 1.75e+08 3283 7 0 252 534 4169 2236 4140.688 4077.561  
## 1426 1.75e+08 3285 7 1 291 524 4208 2226 4180.020 4087.530  
## 1427 1.75e+08 3286 7 0 242 470 4159 2172 4131.506 4141.875  
## 1428 1.75e+08 3288 7 1 317 537 4234 2239 4206.351 4074.530  
## 1429 1.75e+08 3289 7 1 308 535 4225 2237 4196.983 4076.534  
## 1430 1.75e+08 3292 7 1 301 531 4218 2233 4190.375 4080.526  
## 1431 1.75e+08 3293 7 1 272 469 4189 2171 4161.075 4142.073  
## 1432 1.75e+08 3298 7 1 386 505 4303 2207 4275.288 4106.040  
## 1433 1.75e+08 3298 7 0 239 547 4156 2249 4128.081 4064.944  
## 1434 1.75e+08 3300 7 1 285 514 4202 2216 4174.041 4097.500  
## 1435 1.75e+08 3301 7 1 307 534 4224 2236 4196.389 4077.122  
## 1436 1.75e+08 3303 7 1 342 542 4259 2244 4230.573 4069.507  
## 1437 1.75e+08 3305 7 1 392 584 4309 2286 4280.475 4027.925  
## 1438 1.75e+08 3311 7 1 311 576 4228 2278 4199.982 4035.931  
## 1439 1.75e+08 3315 7 1 325 536 4242 2238 4213.992 4075.515  
## 1440 1.75e+08 3315 7 1 353 538 4270 2240 4241.952 4073.121  
## 1441 1.75e+08 3315 7 1 306 542 4223 2244 4195.402 4069.922  
## 1442 1.75e+08 3316 7 1 327 509 4244 2211 4216.007 4102.102  
## 1443 1.75e+08 3318 7 1 294 528 4211 2230 4183.038 4083.523  
## 1444 1.75e+08 3319 7 1 291 562 4208 2264 4179.748 4049.843  
## 1445 1.75e+08 3320 7 1 389 582 4306 2284 4277.878 4029.918  
## 1446 1.75e+08 3321 7 1 342 488 4259 2190 4230.994 4123.436  
## 1447 1.75e+08 3322 7 1 390 581 4307 2283 4278.871 4030.153  
## 1448 1.75e+08 3324 7 1 306 530 4223 2232 4195.016 4081.858  
## 1449 1.75e+08 3328 7 1 305 527 4222 2229 4194.365 4084.512  
## 1450 1.75e+08 3328 7 1 295 544 4212 2246 4184.027 4067.541  
## 1451 1.75e+08 3330 7 1 407 491 4324 2193 4295.908 4120.400  
## 1452 1.75e+08 3331 7 1 294 507 4211 2209 4182.691 4104.488  
## 1453 1.75e+08 3332 7 1 359 432 4276 2134 4247.733 4179.623  
## 1454 1.75e+08 3332 7 1 311 494 4228 2196 4200.038 4117.837  
## 1455 1.75e+08 3332 7 1 305 535 4222 2237 4193.636 4076.135  
## 1456 1.75e+08 3334 7 1 290 525 4207 2227 4179.391 4086.514  
## 1457 1.75e+08 3334 7 1 307 525 4224 2227 4196.024 4086.504  
## 1458 1.75e+08 3334 7 0 214 577 4131 2279 4103.498 4034.630  
## 1459 1.75e+08 3336 7 1 310 513 4227 2215 4198.679 4098.489  
## 1460 1.75e+08 3336 7 0 244 533 4161 2235 4133.384 4078.833  
## 1461 1.75e+08 3337 7 1 384 576 4301 2278 4273.274 4035.917  
## 1462 1.75e+08 3339 7 0 225 547 4142 2249 4114.392 4064.317  
## 1463 1.75e+08 3340 7 1 305 543 4222 2245 4193.667 4068.538  
## 1464 1.75e+08 3342 7 1 285 514 4202 2216 4174.043 4097.134  
## 1465 1.75e+08 3342 7 1 303 523 4220 2225 4191.648 4088.514  
## 1466 1.75e+08 3346 7 1 288 551 4205 2253 4176.741 4060.841  
## 1467 1.75e+08 3349 7 1 327 486 4244 2188 4215.727 4125.184  
## 1468 1.75e+08 3350 7 1 307 496 4224 2198 4196.025 4115.480  
## 1469 1.75e+08 3350 7 1 289 501 4206 2203 4177.669 4110.498  
## 1470 1.75e+08 3351 7 1 286 512 4203 2214 4175.044 4099.512  
## 1471 1.75e+08 3351 7 1 294 512 4211 2214 4183.033 4099.166  
## 1472 1.75e+08 3355 7 1 301 522 4218 2224 4190.361 4089.508  
## 1473 1.75e+08 3356 7 1 292 511 4209 2213 4181.033 4100.153  
## 1474 1.75e+08 3356 7 0 223 552 4140 2254 4112.484 4059.974  
## 1475 1.75e+08 3357 7 0 221 465 4138 2167 4109.770 4146.859  
## 1476 1.75e+08 3358 7 1 301 516 4218 2218 4190.012 4095.496  
## 1477 1.75e+08 3359 7 1 301 529 4218 2231 4189.610 4082.906  
## 1478 1.75e+08 3360 7 1 305 519 4222 2221 4194.379 4092.496  
## 1479 1.75e+08 3361 7 1 372 508 4289 2210 4261.309 4103.045  
## 1480 1.75e+08 3361 7 1 285 514 4202 2216 4173.708 4097.822  
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## 1482 1.75e+08 3363 7 1 286 531 4203 2233 4175.016 4080.523  
## 1483 1.75e+08 3365 7 1 304 489 4221 2191 4192.678 4122.455  
## 1484 1.75e+08 3366 7 1 320 433 4237 2135 4209.377 4178.369  
## 1485 1.75e+08 3372 7 1 347 474 4264 2176 4235.614 4137.017  
## 1486 1.75e+08 3373 7 1 302 486 4219 2188 4190.656 4125.046  
## 1487 1.75e+08 3373 7 1 289 522 4206 2224 4177.657 4089.886  
## 1488 1.75e+08 3373 7 1 310 624 4227 2326 4198.957 3988.003  
## 1489 1.75e+08 3374 7 1 301 486 4218 2188 4190.406 4125.440  
## 1490 1.75e+08 3375 7 1 323 454 4240 2156 4211.761 4157.655  
## 1491 1.75e+08 3376 7 0 239 507 4156 2209 4127.740 4104.499  
## 1492 1.75e+08 3377 7 1 293 508 4210 2210 4182.038 4103.126  
## 1493 1.75e+08 3380 7 1 292 507 4209 2209 4181.037 4104.470  
## 1494 1.75e+08 3382 7 1 291 507 4208 2209 4179.658 4104.472  
## 1495 1.75e+08 3383 7 1 292 499 4209 2201 4181.310 4112.733  
## 1496 1.75e+08 3384 7 1 373 558 4290 2260 4262.280 4053.882  
## 1497 1.75e+08 3385 7 1 290 493 4207 2195 4179.433 4118.847  
## 1498 1.75e+08 3388 7 1 372 555 4289 2257 4261.274 4056.109  
## 1499 1.75e+08 3389 7 1 275 533 4192 2235 4164.035 4078.181  
## 1500 1.75e+08 3391 7 1 298 508 4215 2210 4187.019 4103.475  
## 1501 1.75e+08 3397 7 0 232 501 4149 2203 4120.755 4110.499  
## 1502 1.75e+08 3401 7 0 241 509 4158 2211 4130.111 4102.132  
## 1503 1.75e+08 3402 7 1 292 480 4209 2182 4181.060 4131.433  
## 1504 1.75e+08 3404 7 1 284 503 4201 2205 4172.674 4108.855  
## 1505 1.75e+08 3406 7 0 203 428 4120 2130 4092.211 4183.415  
## 1506 1.75e+08 3407 7 1 259 482 4176 2184 4148.444 4129.457  
## 1507 1.75e+08 3409 7 1 283 502 4200 2204 4171.707 4109.477  
## 1508 1.75e+08 3410 7 1 290 479 4207 2181 4179.457 4132.052  
## 1509 1.75e+08 3413 7 1 270 485 4187 2187 4159.089 4126.474  
## 1510 1.75e+08 3415 7 1 270 486 4187 2188 4159.088 4125.850  
## 1511 1.75e+08 3415 7 1 287 546 4204 2248 4176.029 4065.174  
## 1512 1.75e+08 3415 7 1 288 588 4205 2290 4177.002 4023.267  
## 1513 1.75e+08 3417 7 1 288 492 4205 2194 4177.440 4119.486  
## 1514 1.75e+08 3418 7 1 289 481 4206 2183 4177.789 4130.750  
## 1515 1.75e+08 3418 7 0 237 510 4154 2212 4126.119 4101.196  
## 1516 1.75e+08 3418 7 1 280 513 4197 2215 4169.059 4098.523  
## 1517 1.75e+08 3419 7 0 236 510 4153 2212 4125.516 4101.153  
## 1518 1.75e+08 3420 7 1 278 503 4195 2205 4166.725 4108.516  
## 1519 1.75e+08 3421 7 1 288 480 4205 2182 4177.070 4131.139  
## 1520 1.75e+08 3422 7 1 281 499 4198 2201 4170.451 4112.894  
## 1521 1.75e+08 3424 7 1 283 517 4200 2219 4172.056 4094.179  
## 1522 1.75e+08 3426 7 1 282 518 4199 2220 4171.451 4093.145  
## 1523 1.75e+08 3427 7 1 264 533 4181 2235 4153.467 4078.174  
## 1524 1.75e+08 3428 7 0 174 560 4091 2262 4062.796 4052.041  
## 1525 1.75e+08 3432 7 1 279 495 4196 2197 4168.418 4116.500  
## 1526 1.75e+08 3434 7 0 255 486 4172 2188 4144.108 4125.128  
## 1527 1.75e+08 3435 7 1 296 501 4213 2203 4185.043 4110.153  
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## 1537 1.75e+08 3451 7 1 360 562 4277 2264 4248.914 4049.545  
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## 1540 1.75e+08 3458 7 0 251 494 4168 2196 4140.106 4117.883  
## 1541 1.75e+08 3463 7 0 171 510 4088 2212 4060.204 4101.594  
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## 1545 1.75e+08 3474 7 1 286 549 4203 2251 4175.026 4062.204  
## 1546 1.75e+08 3475 7 1 276 522 4193 2224 4164.666 4089.142  
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## 1572 1.75e+08 3519 7 1 283 535 4200 2237 4172.031 4076.193  
## 1573 1.75e+08 3524 7 1 318 549 4235 2251 4207.359 4062.934  
## 1574 1.75e+08 3526 7 1 286 535 4203 2237 4175.029 4076.174  
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## 1587 1.75e+08 3554 7 1 302 534 4219 2236 4191.034 4077.525  
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## 1590 1.75e+08 3567 7 1 278 568 4195 2270 4167.085 4043.578  
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## 1596 1.75e+08 3575 7 1 278 501 4195 2203 4167.094 4110.863  
## 1597 1.75e+08 3575 7 1 299 523 4216 2225 4188.052 4088.504  
## 1598 1.75e+08 3575 7 1 304 565 4221 2267 4193.020 4046.558  
## 1599 1.75e+08 3578 7 0 215 450 4132 2152 4104.594 4161.064  
## 1600 1.75e+08 3579 7 1 298 476 4215 2178 4186.691 4135.444  
## 1601 1.75e+08 3580 7 1 334 559 4251 2261 4222.968 4052.903  
## 1602 1.75e+08 3582 7 1 309 496 4226 2198 4198.427 4115.867  
## 1603 1.75e+08 3583 7 1 299 511 4216 2213 4188.419 4100.889  
## 1604 1.75e+08 3583 7 1 302 518 4219 2220 4191.026 4093.165  
## 1605 1.75e+08 3588 7 1 265 528 4182 2230 4153.778 4083.834  
## 1606 1.75e+08 3589 7 1 385 566 4302 2268 4273.859 4045.161  
## 1607 1.75e+08 3594 7 1 365 532 4282 2234 4254.175 4079.783  
## 1608 1.75e+08 3599 7 1 305 556 4222 2258 4193.583 4055.568  
## 1609 1.75e+08 3601 7 1 306 511 4223 2213 4194.986 4100.501  
## 1610 1.75e+08 3603 7 1 270 529 4187 2231 4158.751 4082.820  
## 1611 1.75e+08 3605 7 1 309 491 4226 2193 4197.648 4120.467  
## 1612 1.75e+08 3606 7 0 252 447 4169 2149 4141.100 4164.440  
## 1613 1.75e+08 3606 7 1 314 486 4231 2188 4202.650 4125.457  
## 1614 1.75e+08 3609 7 1 327 487 4244 2189 4215.976 4124.112  
## 1615 1.75e+08 3610 7 1 330 550 4247 2252 4218.935 4061.536  
## 1616 1.75e+08 3611 7 1 295 518 4212 2220 4184.001 4093.516  
## 1617 1.75e+08 3613 7 1 307 507 4224 2209 4195.992 4104.500  
## 1618 1.75e+08 3613 7 1 407 538 4324 2240 4295.837 4073.482  
## 1619 1.75e+08 3614 7 1 308 429 4225 2131 4197.039 4182.013  
## 1620 1.75e+08 3615 7 1 345 415 4262 2117 4233.614 4196.737  
## 1621 1.75e+08 3616 7 1 314 457 4231 2159 4203.014 4154.075  
## 1622 1.75e+08 3617 7 1 307 515 4224 2217 4195.989 4096.520  
## 1623 1.75e+08 3618 7 1 307 505 4224 2207 4196.273 4106.232  
## 1624 1.75e+08 3618 7 1 317 573 4234 2275 4205.520 4038.178  
## 1625 1.75e+08 3619 7 1 307 505 4224 2207 4195.653 4106.512  
## 1626 1.75e+08 3619 7 1 300 506 4217 2208 4189.395 4105.127  
## 1627 1.75e+08 3623 7 1 263 515 4180 2217 4152.436 4096.151  
## 1628 1.75e+08 3626 7 1 264 512 4181 2214 4153.415 4099.541  
## 1629 1.75e+08 3627 7 1 284 482 4201 2184 4173.021 4129.487  
## 1630 1.75e+08 3627 7 1 380 511 4297 2213 4268.529 4100.470  
## 1631 1.75e+08 3628 7 1 307 504 4224 2206 4195.975 4107.502  
## 1632 1.75e+08 3629 7 1 307 504 4224 2206 4196.322 4107.500  
## 1633 1.75e+08 3631 7 1 305 458 4222 2160 4193.624 4153.440  
## 1634 1.75e+08 3632 7 1 296 487 4213 2189 4184.637 4124.484  
## 1635 1.75e+08 3633 7 1 356 564 4273 2266 4245.219 4047.552  
## 1636 1.75e+08 3634 7 0 252 501 4169 2203 4140.785 4110.803  
## 1637 1.75e+08 3636 7 1 302 475 4219 2177 4191.010 4136.469  
## 1638 1.75e+08 3637 7 1 301 496 4218 2198 4190.001 4115.499  
## 1639 1.75e+08 3639 7 1 308 503 4225 2205 4196.988 4108.499  
## 1640 1.75e+08 3640 7 1 406 450 4323 2152 4295.266 4161.362  
## 1641 1.75e+08 3644 7 0 204 438 4121 2140 4093.158 4173.070  
## 1642 1.75e+08 3650 7 0 236 461 4153 2163 4125.094 4150.838  
## 1643 1.75e+08 3652 7 1 291 532 4208 2234 4179.976 4079.525  
## 1644 1.75e+08 3656 7 1 282 492 4199 2194 4171.015 4119.122  
## 1645 1.75e+08 3657 7 1 311 490 4228 2192 4199.978 4121.108  
## 1646 1.75e+08 3661 7 1 260 511 4177 2213 4149.042 4100.130  
## 1647 1.75e+08 3661 7 1 360 587 4277 2289 4248.479 4024.167  
## 1648 1.75e+08 3666 7 1 320 462 4237 2164 4208.717 4149.128  
## 1649 1.75e+08 3666 7 1 322 503 4239 2205 4210.963 4108.456  
## 1650 1.75e+08 3670 7 1 264 519 4181 2221 4153.041 4092.518  
## 1651 1.75e+08 3671 7 1 263 519 4180 2221 4152.428 4092.521  
## 1652 1.75e+08 3672 7 1 279 497 4196 2199 4168.407 4114.482  
## 1653 1.75e+08 3672 7 1 375 520 4292 2222 4264.283 4091.064  
## 1654 1.75e+08 3675 7 1 303 496 4220 2198 4191.998 4115.810  
## 1655 1.75e+08 3678 7 1 304 523 4221 2225 4193.315 4088.496  
## 1656 1.75e+08 3681 7 1 308 516 4225 2218 4196.965 4095.108  
## 1657 1.75e+08 3682 7 1 300 511 4217 2213 4189.356 4100.488  
## 1658 1.75e+08 3682 7 1 312 519 4229 2221 4200.956 4092.873  
## 1659 1.75e+08 3684 7 1 286 630 4203 2332 4174.920 3982.041  
## 1660 1.75e+08 3685 7 1 300 513 4217 2215 4188.576 4098.102  
## 1661 1.75e+08 3686 7 1 291 512 4208 2214 4180.366 4099.883  
## 1662 1.75e+08 3687 7 1 306 518 4223 2220 4194.956 4093.153  
## 1663 1.75e+08 3688 7 1 299 515 4216 2217 4187.601 4096.495  
## 1664 1.75e+08 3688 7 1 260 526 4177 2228 4148.661 4085.533  
## 1665 1.75e+08 3690 7 1 278 508 4195 2210 4167.005 4103.499  
## 1666 1.75e+08 3690 7 1 285 526 4202 2228 4174.406 4085.940  
## 1667 1.75e+08 3695 7 1 299 529 4216 2231 4187.977 4082.883  
## 1668 1.75e+08 3697 7 1 345 600 4262 2302 4233.874 4011.202  
## 1669 1.75e+08 3699 7 1 298 532 4215 2234 4186.981 4079.165  
## 1670 1.75e+08 3704 7 1 280 505 4197 2207 4168.604 4106.884  
## 1671 1.75e+08 3707 7 1 280 505 4197 2207 4169.401 4106.075  
## 1672 1.75e+08 3708 7 0 255 481 4172 2183 4143.673 4130.830  
## 1673 1.75e+08 3712 7 1 353 428 4270 2130 4242.343 4183.321  
## 1674 1.75e+08 3712 7 1 285 550 4202 2252 4173.662 4061.850  
## 1675 1.75e+08 3716 7 1 278 510 4195 2212 4166.686 4101.482  
## 1676 1.75e+08 3718 7 1 316 517 4233 2219 4204.974 4094.468  
## 1677 1.75e+08 3725 7 1 259 528 4176 2230 4147.664 4083.900  
## 1678 1.75e+08 3727 7 1 328 433 4245 2135 4217.014 4178.714  
## 1679 1.75e+08 3730 7 0 230 530 4147 2232 4119.083 4081.528  
## 1680 1.75e+08 3731 7 1 293 549 4210 2251 4182.379 4062.124  
## 1681 1.75e+08 3732 7 0 248 543 4165 2245 4136.706 4068.543  
## 1682 1.75e+08 3737 7 1 291 512 4208 2214 4180.013 4099.833  
## 1683 1.75e+08 3738 7 0 211 488 4128 2190 4099.754 4123.874  
## 1684 1.75e+08 3740 7 1 284 559 4201 2261 4172.621 4052.544  
## 1685 1.75e+08 3741 7 1 301 441 4218 2143 4189.661 4170.372  
## 1686 1.75e+08 3741 7 1 275 550 4192 2252 4163.659 4061.536  
## 1687 1.75e+08 3743 7 1 287 577 4204 2279 4176.360 4034.568  
## 1688 1.75e+08 3755 7 1 288 512 4205 2214 4177.400 4099.882  
## 1689 1.75e+08 3766 7 0 233 542 4150 2244 4122.421 4069.561  
## 1690 1.75e+08 3767 7 0 247 602 4164 2304 4136.018 4009.237  
## 1691 1.75e+08 3772 7 0 191 520 4108 2222 4079.869 4091.267  
## 1692 1.75e+08 3774 7 1 279 534 4196 2236 4168.018 4077.891  
## 1693 1.75e+08 3775 7 0 196 611 4113 2313 4085.086 4000.287  
## 1694 1.75e+08 3776 7 0 221 532 4138 2234 4110.102 4079.910  
## 1695 1.75e+08 3781 7 1 283 509 4200 2211 4172.029 4102.472  
## 1696 1.75e+08 3782 7 1 275 532 4192 2234 4164.417 4079.900  
## 1697 1.75e+08 3784 7 1 354 578 4271 2280 4242.617 4033.252  
## 1698 1.75e+08 3785 7 1 276 530 4193 2232 4164.673 4081.507  
## 1699 1.75e+08 3788 7 1 287 481 4204 2183 4175.641 4130.823  
## 1700 1.75e+08 3790 7 1 275 529 4192 2231 4164.296 4082.783  
## 1701 1.75e+08 3791 7 1 261 523 4178 2225 4150.043 4088.887  
## 1702 1.75e+08 3791 7 1 275 528 4192 2230 4164.020 4083.148  
## 1703 1.75e+08 3792 7 1 351 523 4268 2225 4239.920 4088.109  
## 1704 1.75e+08 3794 7 1 274 527 4191 2229 4163.409 4084.126  
## 1705 1.75e+08 3794 7 0 236 591 4153 2293 4125.036 4020.281  
## 1706 1.75e+08 3797 7 0 247 429 4164 2131 4135.772 4182.406  
## 1707 1.75e+08 3802 7 1 282 502 4199 2204 4171.351 4109.801  
## 1708 1.75e+08 3803 7 1 276 512 4193 2214 4165.026 4099.861  
## 1709 1.75e+08 3804 7 0 253 502 4170 2204 4142.419 4109.490  
## 1710 1.75e+08 3805 7 1 272 488 4189 2190 4161.422 4123.080  
## 1711 1.75e+08 3806 7 1 278 523 4195 2225 4167.400 4088.891  
## 1712 1.75e+08 3807 7 0 232 504 4149 2206 4120.699 4107.117  
## 1713 1.75e+08 3807 7 1 271 513 4188 2215 4159.648 4098.495  
## 1714 1.75e+08 3808 7 1 264 504 4181 2206 4153.042 4107.486  
## 1715 1.75e+08 3813 7 1 341 508 4258 2210 4230.310 4103.825  
## 1716 1.75e+08 3813 7 1 271 537 4188 2239 4160.006 4074.182  
## 1717 1.75e+08 3815 7 0 254 497 4171 2199 4143.052 4114.139  
## 1718 1.75e+08 3817 7 0 254 497 4171 2199 4143.053 4114.478  
## 1719 1.75e+08 3819 7 1 292 424 4209 2126 4181.049 4187.730  
## 1720 1.75e+08 3822 7 1 284 495 4201 2197 4173.296 4116.721  
## 1721 1.75e+08 3822 7 1 277 516 4194 2218 4166.397 4095.482  
## 1722 1.75e+08 3825 7 1 273 422 4190 2124 4161.702 4189.347  
## 1723 1.75e+08 3825 7 1 266 526 4183 2228 4155.030 4085.137  
## 1724 1.75e+08 3827 7 1 303 596 4220 2298 4191.545 4015.175  
## 1725 1.75e+08 3830 7 1 279 512 4196 2214 4168.021 4099.812  
## 1726 1.75e+08 3831 7 1 284 526 4201 2228 4172.622 4085.483  
## 1727 1.75e+08 3832 7 0 199 515 4116 2217 4088.470 4096.516  
## 1728 1.75e+08 3832 7 1 296 609 4213 2311 4184.559 4002.587  
## 1729 1.75e+08 3833 7 1 279 490 4196 2192 4168.035 4121.055  
## 1730 1.75e+08 3838 7 1 288 487 4205 2189 4177.030 4124.431  
## 1731 1.75e+08 3840 7 1 285 522 4202 2224 4173.742 4089.208  
## 1732 1.75e+08 3841 7 1 289 485 4206 2187 4178.380 4126.430  
## 1733 1.75e+08 3842 7 1 290 513 4207 2215 4178.632 4098.856  
## 1734 1.75e+08 3845 7 0 227 504 4144 2206 4116.112 4107.489  
## 1735 1.75e+08 3845 7 0 235 513 4152 2215 4123.746 4098.497  
## 1736 1.75e+08 3845 7 1 299 515 4216 2217 4187.628 4096.461  
## 1737 1.75e+08 3845 7 0 211 567 4128 2269 4100.096 4044.584  
## 1738 1.75e+08 3851 7 1 283 507 4200 2209 4172.033 4104.791  
## 1739 1.75e+08 3852 7 1 344 424 4261 2126 4233.380 4187.298  
## 1740 1.75e+08 3853 7 1 316 431 4233 2133 4205.030 4180.323  
## 1741 1.75e+08 3853 7 0 241 512 4158 2214 4129.717 4099.478  
## 1742 1.75e+08 3854 7 0 194 499 4111 2201 4083.549 4112.879  
## 1743 1.75e+08 3859 7 0 231 503 4148 2205 4120.095 4108.458  
## 1744 1.75e+08 3860 7 0 253 438 4170 2140 4142.106 4173.695  
## 1745 1.75e+08 3863 7 1 273 496 4190 2198 4161.779 4115.148  
## 1746 1.75e+08 3863 7 1 300 510 4217 2212 4189.011 4101.082  
## 1747 1.75e+08 3863 7 1 346 587 4263 2289 4234.521 4024.125  
## 1748 1.75e+08 3864 7 1 288 503 4205 2205 4177.035 4108.768  
## 1749 1.75e+08 3865 7 1 371 553 4288 2255 4260.262 4058.442  
## 1750 1.75e+08 3865 7 1 346 582 4263 2284 4234.911 4029.497  
## 1751 1.75e+08 3866 7 1 371 552 4288 2254 4260.311 4059.024  
## 1752 1.75e+08 3874 7 1 324 510 4241 2212 4212.590 4101.817  
## 1753 1.75e+08 3874 7 1 294 516 4211 2218 4183.373 4095.453  
## 1754 1.75e+08 3875 7 0 248 440 4165 2142 4136.854 4171.650  
## 1755 1.75e+08 3875 7 1 288 458 4205 2160 4177.060 4153.378  
## 1756 1.75e+08 3875 7 1 326 459 4243 2161 4215.007 4152.357  
## 1757 1.75e+08 3876 7 1 295 516 4212 2218 4184.357 4095.454  
## 1758 1.75e+08 3878 7 1 333 554 4250 2256 4222.278 4057.486  
## 1759 1.75e+08 3881 7 1 300 479 4217 2181 4189.371 4132.402  
## 1760 1.75e+08 3881 7 1 297 517 4214 2219 4185.667 4094.456  
## 1761 1.75e+08 3883 7 1 306 399 4223 2101 4194.680 4212.683  
## 1762 1.75e+08 3883 7 1 282 485 4199 2187 4171.054 4126.079  
## 1763 1.75e+08 3883 7 0 181 554 4098 2256 4069.798 4057.576  
## 1764 1.75e+08 3885 7 1 393 490 4310 2192 4281.520 4121.740  
## 1765 1.75e+08 3885 7 1 377 554 4294 2256 4265.884 4057.455  
## 1766 1.75e+08 3887 7 1 293 499 4210 2201 4182.033 4112.429  
## 1767 1.75e+08 3889 7 0 177 515 4094 2217 4066.180 4096.516  
## 1768 1.75e+08 3891 7 1 288 617 4205 2319 4176.967 3994.214  
## 1769 1.75e+08 3894 7 1 285 516 4202 2218 4174.033 4095.121  
## 1770 1.75e+08 3902 7 1 273 520 4190 2222 4162.055 4091.481  
## 1771 1.75e+08 3903 7 0 245 507 4162 2209 4133.745 4104.479  
## 1772 1.75e+08 3907 7 1 293 539 4210 2241 4182.011 4072.113  
## 1773 1.75e+08 3908 7 1 293 529 4210 2231 4182.014 4082.127  
## 1774 1.75e+08 3909 7 1 301 510 4218 2212 4190.402 4101.828  
## 1775 1.75e+08 3913 7 1 303 498 4220 2200 4192.398 4113.415  
## 1776 1.75e+08 3916 7 0 247 511 4164 2213 4136.466 4100.469  
## 1777 1.75e+08 3917 7 1 303 513 4220 2215 4192.011 4098.442  
## 1778 1.75e+08 3921 7 1 292 525 4209 2227 4180.688 4086.801  
## 1779 1.75e+08 3923 7 1 305 515 4222 2217 4193.999 4096.454  
## 1780 1.75e+08 3926 7 1 305 516 4222 2218 4193.715 4095.181  
## 1781 1.75e+08 3926 7 1 266 527 4183 2229 4155.393 4084.497  
## 1782 1.75e+08 3927 7 1 309 530 4226 2232 4197.591 4081.861  
## 1783 1.75e+08 3928 7 1 302 473 4219 2175 4191.019 4138.401  
## 1784 1.75e+08 3928 7 1 399 535 4316 2237 4288.228 4076.428  
## 1785 1.75e+08 3929 7 1 305 518 4222 2220 4193.988 4093.836  
## 1786 1.75e+08 3930 7 1 272 498 4189 2200 4161.046 4113.456  
## 1787 1.75e+08 3932 7 1 306 519 4223 2221 4195.265 4092.740  
## 1788 1.75e+08 3935 7 1 308 508 4225 2210 4196.725 4103.729  
## 1789 1.75e+08 3936 7 1 270 565 4187 2267 4159.014 4046.558  
## 1790 1.75e+08 3938 7 1 380 434 4297 2136 4268.941 4177.317  
## 1791 1.75e+08 3939 7 1 331 539 4248 2241 4219.945 4072.147  
## 1792 1.75e+08 3941 7 1 334 514 4251 2216 4222.957 4097.458  
## 1793 1.75e+08 3943 7 0 252 523 4169 2225 4141.062 4088.855  
## 1794 1.75e+08 3944 7 1 286 513 4203 2215 4175.019 4098.477  
## 1795 1.75e+08 3945 7 1 314 603 4231 2305 4202.546 4008.201  
## 1796 1.75e+08 3947 7 1 307 524 4224 2226 4195.982 4087.829  
## 1797 1.75e+08 3947 7 1 308 546 4225 2248 4197.343 4065.501  
## 1798 1.75e+08 3952 7 0 252 527 4169 2229 4141.060 4084.503  
## 1799 1.75e+08 3953 7 1 308 529 4225 2231 4196.982 4082.473  
## 1800 1.75e+08 3954 7 1 296 511 4213 2213 4184.736 4100.186  
## 1801 1.75e+08 3963 7 1 311 533 4228 2235 4199.580 4078.491  
## 1802 1.75e+08 3963 7 0 194 537 4111 2239 4082.793 4074.244  
## 1803 1.75e+08 3970 7 1 371 438 4288 2140 4259.956 4173.706  
## 1804 1.75e+08 3970 7 1 347 524 4264 2226 4235.938 4087.457  
## 1805 1.75e+08 3972 7 1 314 509 4231 2211 4202.990 4102.076  
## 1806 1.75e+08 3976 7 1 314 510 4231 2212 4203.363 4101.455  
## 1807 1.75e+08 3977 7 1 293 536 4210 2238 4181.994 4075.843  
## 1808 1.75e+08 3978 7 1 388 584 4305 2286 4276.833 4027.864  
## 1809 1.75e+08 3981 7 1 361 477 4278 2179 4250.316 4134.760  
## 1810 1.75e+08 3982 7 1 293 518 4210 2220 4182.002 4093.475  
## 1811 1.75e+08 3986 7 0 220 451 4137 2153 4109.427 4160.155  
## 1812 1.75e+08 3987 7 1 262 546 4179 2248 4150.642 4065.932  
## 1813 1.75e+08 3990 7 1 299 566 4216 2268 4187.710 4045.816  
## 1814 1.75e+08 3992 7 1 374 491 4291 2193 4262.923 4120.398  
## 1815 1.75e+08 3995 7 1 386 585 4303 2287 4274.851 4026.176  
## 1816 1.75e+08 3996 7 1 303 544 4220 2246 4191.990 4067.516  
## 1817 1.75e+08 3997 7 1 306 548 4223 2250 4194.986 4063.518  
## 1818 1.75e+08 3999 7 0 247 534 4164 2236 4136.083 4077.153  
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## 1820 1.75e+08 4004 7 0 247 533 4164 2235 4135.736 4078.522  
## 1821 1.75e+08 4007 7 1 355 470 4272 2172 4243.975 4141.747  
## 1822 1.75e+08 4007 7 1 321 534 4238 2236 4209.983 4077.481  
## 1823 1.75e+08 4008 7 1 298 489 4215 2191 4187.042 4122.433  
## 1824 1.75e+08 4011 7 1 385 510 4302 2212 4274.184 4101.113  
## 1825 1.75e+08 4011 7 0 253 545 4170 2247 4142.067 4066.517  
## 1826 1.75e+08 4018 7 1 280 572 4197 2274 4168.635 4039.523  
## 1827 1.75e+08 4026 7 1 304 505 4221 2207 4192.627 4106.031  
## 1828 1.75e+08 4027 7 1 343 535 4260 2237 4231.950 4076.827  
## 1829 1.75e+08 4030 7 1 329 533 4246 2235 4217.645 4078.133  
## 1830 1.75e+08 4033 7 1 302 503 4219 2205 4190.644 4108.822  
## 1831 1.75e+08 4036 7 0 255 535 4172 2237 4144.078 4076.497  
## 1832 1.75e+08 4039 7 1 293 541 4210 2243 4182.026 4070.479  
## 1833 1.75e+08 4040 7 0 247 529 4164 2231 4136.099 4082.102  
## 1834 1.75e+08 4053 7 1 285 515 4202 2217 4174.514 4096.086  
## 1835 1.75e+08 4054 7 1 294 493 4211 2195 4183.129 4118.820  
## 1836 1.75e+08 4058 7 1 310 488 4227 2190 4199.124 4123.429  
## 1837 1.75e+08 4059 7 1 280 507 4197 2209 4168.831 4104.801  
## 1838 1.75e+08 4066 7 1 381 456 4298 2158 4270.068 4154.988  
## 1839 1.75e+08 4071 7 1 287 454 4204 2156 4176.196 4157.071  
## 1840 1.75e+08 4071 7 1 358 502 4275 2204 4247.420 4109.448  
## 1841 1.75e+08 4071 7 1 276 506 4193 2208 4164.792 4105.892  
## 1842 1.75e+08 4075 7 0 162 483 4079 2185 4051.333 4128.539  
## 1843 1.75e+08 4075 7 0 225 507 4142 2209 4114.627 4104.928  
## 1844 1.75e+08 4076 7 1 288 484 4205 2186 4177.542 4127.074  
## 1845 1.75e+08 4077 7 1 288 484 4205 2186 4176.831 4127.781  
## 1846 1.75e+08 4077 7 1 266 501 4183 2203 4155.172 4110.495  
## 1847 1.75e+08 4078 7 1 288 484 4205 2186 4177.474 4127.779  
## 1848 1.75e+08 4080 7 0 244 490 4161 2192 4132.851 4121.494  
## 1849 1.75e+08 4084 7 1 272 501 4189 2203 4161.495 4110.490  
## 1850 1.75e+08 4085 7 1 291 512 4208 2214 4180.113 4099.128  
## 1851 1.75e+08 4086 7 0 196 560 4113 2262 4085.213 4051.987  
## 1852 1.75e+08 4088 7 0 255 483 4172 2185 4144.174 4128.483  
## 1853 1.75e+08 4090 7 0 223 503 4140 2205 4112.578 4108.531  
## 1854 1.75e+08 4091 7 1 286 481 4203 2183 4175.123 4130.465  
## 1855 1.75e+08 4092 7 1 286 481 4203 2183 4175.120 4130.094  
## 1856 1.75e+08 4093 7 1 277 512 4194 2214 4166.111 4099.510  
## 1857 1.75e+08 4095 7 1 268 524 4185 2226 4157.502 4087.144  
## 1858 1.75e+08 4097 7 1 277 503 4194 2205 4166.502 4108.113  
## 1859 1.75e+08 4101 7 1 276 503 4193 2205 4164.773 4108.499  
## 1860 1.75e+08 4111 7 0 211 457 4128 2159 4099.846 4154.867  
## 1861 1.75e+08 4113 7 0 221 501 4138 2203 4110.190 4110.876  
## 1862 1.75e+08 4114 7 1 276 512 4193 2214 4164.719 4099.902  
## 1863 1.75e+08 4116 7 1 262 485 4179 2187 4151.539 4126.084  
## 1864 1.75e+08 4117 7 0 243 488 4160 2190 4132.169 4123.491  
## 1865 1.75e+08 4123 7 1 277 524 4194 2226 4166.096 4087.509  
## 1866 1.75e+08 4128 7 0 249 475 4166 2177 4137.778 4136.857  
## 1867 1.75e+08 4128 7 0 217 510 4134 2212 4106.459 4101.814  
## 1868 1.75e+08 4142 7 0 250 494 4167 2196 4139.528 4117.868  
## 1869 1.75e+08 4143 7 1 279 513 4196 2215 4167.823 4098.769  
## 1870 1.75e+08 4146 7 1 313 520 4230 2222 4202.039 4091.496  
## 1871 1.75e+08 4154 7 1 310 523 4227 2225 4199.430 4088.106  
## 1872 1.75e+08 4157 7 1 286 493 4203 2195 4175.097 4118.794  
## 1873 1.75e+08 4166 7 1 281 520 4198 2222 4169.712 4091.876  
## 1874 1.75e+08 4166 7 1 284 562 4201 2264 4173.074 4049.541  
## 1875 1.75e+08 4167 7 1 282 541 4199 2243 4171.089 4070.514  
## 1876 1.75e+08 4168 7 1 294 527 4211 2229 4182.711 4084.489  
## 1877 1.75e+08 4169 7 1 282 522 4199 2224 4171.100 4089.850  
## 1878 1.75e+08 4172 7 1 384 528 4301 2230 4272.953 4083.057  
## 1879 1.75e+08 4173 7 1 333 467 4250 2169 4221.667 4144.773  
## 1880 1.75e+08 4177 7 1 286 506 4203 2208 4175.098 4105.090  
## 1881 1.75e+08 4182 7 1 282 482 4199 2184 4171.122 4129.061  
## 1882 1.75e+08 4182 7 1 287 527 4204 2229 4176.088 4084.113  
## 1883 1.75e+08 4183 7 1 267 543 4184 2245 4156.109 4068.874  
## 1884 1.75e+08 4184 7 1 290 497 4207 2199 4179.103 4114.076  
## 1885 1.75e+08 4195 7 1 288 531 4205 2233 4177.087 4080.490  
## 1886 1.75e+08 4195 7 1 280 548 4197 2250 4168.739 4063.518  
## 1887 1.75e+08 4197 7 1 289 541 4206 2243 4177.735 4070.499  
## 1888 1.75e+08 4198 7 1 271 527 4188 2229 4160.109 4084.103  
## 1889 1.75e+08 4199 7 1 298 509 4215 2211 4186.709 4102.442  
## 1890 1.75e+08 4200 7 1 297 509 4214 2211 4185.707 4102.442  
## 1891 1.75e+08 4204 7 1 299 511 4216 2213 4188.449 4100.441  
## 1892 1.75e+08 4208 7 1 285 511 4202 2213 4174.083 4100.455  
## 1893 1.75e+08 4208 7 1 281 545 4198 2247 4170.069 4066.504  
## 1894 1.75e+08 4208 7 1 342 618 4259 2320 4230.567 3993.567  
## 1895 1.75e+08 4212 7 1 293 535 4210 2237 4182.401 4076.487  
## 1896 1.75e+08 4213 7 1 287 452 4204 2154 4176.109 4159.004  
## 1897 1.75e+08 4215 7 1 273 535 4190 2237 4161.727 4076.500  
## 1898 1.75e+08 4217 7 1 289 529 4206 2231 4178.062 4082.834  
## 1899 1.75e+08 4218 7 0 234 620 4151 2322 4123.082 3991.272  
## 1900 1.75e+08 4220 7 1 283 574 4200 2276 4171.662 4037.176  
## 1901 1.75e+08 4221 7 1 289 564 4206 2266 4178.317 4047.272  
## 1902 1.75e+08 4223 7 0 239 585 4156 2287 4128.480 4026.601  
## 1903 1.75e+08 4226 7 1 287 517 4204 2219 4176.071 4094.100  
## 1904 1.75e+08 4228 7 1 301 536 4218 2238 4190.040 4075.144  
## 1905 1.75e+08 4233 7 0 233 427 4150 2129 4122.186 4184.379  
## 1906 1.75e+08 4233 7 1 297 491 4214 2193 4186.061 4120.428  
## 1907 1.75e+08 4235 7 1 301 543 4218 2245 4189.744 4068.220  
## 1908 1.75e+08 4237 7 1 322 527 4239 2229 4211.001 4084.820  
## 1909 1.75e+08 4238 7 0 238 591 4155 2293 4127.081 4020.230  
## 1910 1.75e+08 4239 7 1 309 511 4226 2213 4198.415 4100.459  
## 1911 1.75e+08 4239 7 1 388 532 4305 2234 4276.915 4079.441  
## 1912 1.75e+08 4245 7 1 276 521 4193 2223 4164.731 4090.508  
## 1913 1.75e+08 4245 7 1 303 532 4220 2234 4192.033 4079.148  
## 1914 1.75e+08 4247 7 1 390 481 4307 2183 4278.562 4130.773  
## 1915 1.75e+08 4248 7 1 303 532 4220 2234 4192.418 4079.901  
## 1916 1.75e+08 4250 7 1 281 510 4198 2212 4170.073 4101.864  
## 1917 1.75e+08 4254 7 1 303 531 4220 2233 4192.379 4080.497  
## 1918 1.75e+08 4255 7 0 184 504 4101 2206 4072.822 4107.136  
## 1919 1.75e+08 4257 7 1 293 511 4210 2213 4182.439 4100.466  
## 1920 1.75e+08 4258 7 1 314 556 4231 2258 4203.007 4055.898  
## 1921 1.75e+08 4260 7 1 350 610 4267 2312 4238.925 4001.561  
## 1922 1.75e+08 4266 7 1 303 480 4220 2182 4192.059 4131.426  
## 1923 1.75e+08 4267 7 1 312 502 4229 2204 4201.033 4109.453  
## 1924 1.75e+08 4267 7 0 234 576 4151 2278 4123.096 4035.978  
## 1925 1.75e+08 4267 7 0 224 578 4141 2280 4112.726 4033.228  
## 1926 1.75e+08 4272 7 1 311 536 4228 2238 4199.635 4075.898  
## 1927 1.75e+08 4275 7 1 283 514 4200 2216 4172.077 4097.120  
## 1928 1.75e+08 4275 7 1 306 518 4223 2220 4195.043 4093.489  
## 1929 1.75e+08 4276 7 1 307 520 4224 2222 4196.040 4091.147  
## 1930 1.75e+08 4276 7 0 203 540 4120 2242 4092.170 4071.583  
## 1931 1.75e+08 4276 7 1 276 620 4193 2322 4165.406 3991.265  
## 1932 1.75e+08 4277 7 1 300 550 4217 2252 4189.031 4061.199  
## 1933 1.75e+08 4281 7 1 294 519 4211 2221 4183.057 4092.499  
## 1934 1.75e+08 4286 7 0 226 447 4143 2149 4115.467 4164.717  
## 1935 1.75e+08 4288 7 1 334 524 4251 2226 4222.613 4087.871  
## 1936 1.75e+08 4290 7 1 295 557 4212 2259 4184.037 4054.546  
## 1937 1.75e+08 4291 7 1 319 543 4236 2245 4208.014 4068.167  
## 1938 1.75e+08 4292 7 1 308 524 4225 2226 4196.695 4087.495  
## 1939 1.75e+08 4297 7 1 312 496 4229 2198 4200.709 4115.461  
## 1940 1.75e+08 4298 7 0 251 510 4168 2212 4140.134 4101.519  
## 1941 1.75e+08 4302 7 1 309 533 4226 2235 4198.323 4078.803  
## 1942 1.75e+08 4304 7 1 263 517 4180 2219 4151.723 4094.922  
## 1943 1.75e+08 4309 7 1 262 515 4179 2217 4151.125 4096.887  
## 1944 1.75e+08 4312 7 1 346 503 4263 2205 4235.019 4108.466  
## 1945 1.75e+08 4313 7 0 194 550 4111 2252 4082.817 4062.004  
## 1946 1.75e+08 4314 7 1 283 496 4200 2198 4171.744 4115.497  
## 1947 1.75e+08 4318 7 1 263 462 4180 2164 4152.533 4149.472  
## 1948 1.75e+08 4322 7 1 379 445 4296 2147 4268.003 4166.765  
## 1949 1.75e+08 4326 7 1 333 430 4250 2132 4221.682 4181.769  
## 1950 1.75e+08 4326 7 0 205 491 4122 2193 4094.210 4120.540  
## 1951 1.75e+08 4326 7 1 371 573 4288 2275 4259.934 4038.926  
## 1952 1.75e+08 4335 7 1 308 482 4225 2184 4197.080 4129.088  
## 1953 1.75e+08 4337 7 1 300 514 4217 2216 4189.074 4097.519  
## 1954 1.75e+08 4337 7 0 203 565 4120 2267 4092.556 4047.028  
## 1955 1.75e+08 4341 7 1 307 479 4224 2181 4196.083 4132.091  
## 1956 1.75e+08 4343 7 1 299 511 4216 2213 4188.073 4100.143  
## 1957 1.75e+08 4346 7 1 306 479 4223 2181 4195.087 4132.476  
## 1958 1.75e+08 4350 7 1 318 481 4235 2183 4206.750 4130.148  
## 1959 1.75e+08 4357 7 1 282 486 4199 2188 4171.473 4125.483  
## 1960 1.75e+08 4359 7 1 391 499 4308 2201 4279.970 4112.434  
## 1961 1.75e+08 4363 7 1 262 402 4179 2104 4150.822 4209.376  
## 1962 1.75e+08 4363 7 1 270 484 4187 2186 4159.520 4127.482  
## 1963 1.75e+08 4363 7 1 291 500 4208 2202 4180.497 4111.099  
## 1964 1.75e+08 4366 7 0 225 474 4142 2176 4114.210 4137.123  
## 1965 1.75e+08 4368 7 1 293 507 4210 2209 4182.423 4104.179  
## 1966 1.75e+08 4369 7 1 292 542 4209 2244 4181.466 4069.165  
## 1967 1.75e+08 4369 7 0 193 573 4110 2275 4082.581 4038.648  
## 1968 1.75e+08 4370 7 1 280 503 4197 2205 4168.733 4108.894  
## 1969 1.75e+08 4370 7 1 310 543 4227 2245 4199.335 4068.263  
## 1970 1.75e+08 4376 7 1 297 516 4214 2218 4185.715 4095.510  
## 1971 1.75e+08 4378 7 1 263 540 4180 2242 4152.503 4071.565  
## 1972 1.75e+08 4380 7 1 274 505 4191 2207 4162.747 4106.517  
## 1973 1.75e+08 4381 7 1 373 467 4290 2169 4261.735 4144.136  
## 1974 1.75e+08 4381 7 1 280 484 4197 2186 4168.775 4127.488  
## 1975 1.75e+08 4382 7 1 370 563 4287 2265 4259.230 4048.824  
## 1976 1.75e+08 4383 7 0 184 476 4101 2178 4072.874 4135.540  
## 1977 1.75e+08 4385 7 0 222 456 4139 2158 4111.596 4155.870  
## 1978 1.75e+08 4386 7 1 274 496 4191 2198 4163.118 4115.508  
## 1979 1.75e+08 4387 7 1 298 505 4215 2207 4187.078 4106.502  
## 1980 1.75e+08 4390 7 0 240 524 4157 2226 4129.141 4087.207  
## 1981 1.75e+08 4391 7 0 240 508 4157 2210 4129.149 4103.909  
## 1982 1.75e+08 4397 7 0 226 518 4143 2220 4115.531 4093.547  
## 1983 1.75e+08 4398 7 1 284 506 4201 2208 4173.081 4105.148  
## 1984 1.75e+08 4404 7 1 379 518 4296 2220 4267.568 4093.455  
## 1985 1.75e+08 4408 7 1 268 506 4185 2208 4157.105 4105.148  
## 1986 1.75e+08 4408 7 1 274 517 4191 2219 4162.698 4094.126  
## 1987 1.75e+08 4414 7 1 286 503 4203 2205 4175.503 4108.081  
## 1988 1.75e+08 4415 7 1 286 503 4203 2205 4174.707 4108.496  
## 1989 1.75e+08 4417 7 0 204 442 4121 2144 4093.507 4169.183  
## 1990 1.75e+08 4417 7 0 241 449 4158 2151 4130.176 4162.066  
## 1991 1.75e+08 4419 7 1 264 528 4181 2230 4153.452 4083.540  
## 1992 1.75e+08 4420 7 1 310 555 4227 2257 4199.016 4056.550  
## 1993 1.75e+08 4422 7 0 255 496 4172 2198 4144.126 4115.162  
## 1994 1.75e+08 4424 7 1 358 580 4275 2282 4247.278 4031.561  
## 1995 1.75e+08 4430 7 1 283 547 4200 2249 4172.407 4064.570  
## 1996 1.75e+08 4431 7 1 295 510 4212 2212 4184.062 4101.170  
## 1997 1.75e+08 4431 7 0 221 530 4138 2232 4110.152 4081.233  
## 1998 1.75e+08 4438 7 0 233 541 4150 2243 4122.123 4070.598  
## 1999 1.75e+08 4442 7 1 358 585 4275 2287 4246.586 4026.586  
## 2000 1.75e+08 4446 7 0 240 528 4157 2230 4128.852 4083.850  
## 2001 1.75e+08 4446 7 1 274 536 4191 2238 4163.467 4075.962  
## 2002 1.75e+08 4450 7 1 275 535 4192 2237 4164.076 4076.207  
## 2003 1.75e+08 4452 7 1 261 529 4178 2231 4150.100 4082.557  
## 2004 1.75e+08 4456 7 1 265 539 4182 2241 4154.367 4072.281  
## 2005 1.75e+08 4456 7 0 167 544 4084 2246 4056.220 4067.625  
## 2006 1.75e+08 4458 7 0 217 540 4134 2242 4106.496 4071.589  
## 2007 1.75e+08 4464 7 0 220 533 4137 2235 4109.167 4078.572  
## 2008 1.75e+08 4468 7 1 284 512 4201 2214 4173.475 4099.502  
## 2009 1.75e+08 4476 7 1 264 515 4181 2217 4153.459 4096.529  
## 2010 1.75e+08 4476 7 0 196 523 4113 2225 4084.792 4088.995  
## 2011 1.75e+08 4478 7 1 262 523 4179 2225 4151.117 4088.547  
## 2012 1.75e+08 4480 7 1 353 525 4270 2227 4241.992 4086.495  
## 2013 1.75e+08 4483 7 1 280 630 4197 2332 4169.389 3981.684  
## 2014 1.75e+08 4485 7 1 319 492 4236 2194 4208.407 4119.469  
## 2015 1.75e+08 4488 7 1 277 520 4194 2222 4166.098 4091.526  
## 2016 1.75e+08 4489 7 1 282 498 4199 2200 4170.752 4113.492  
## 2017 1.75e+08 4490 7 1 283 542 4200 2244 4171.804 4069.824  
## 2018 1.75e+08 4491 7 0 224 527 4141 2229 4113.435 4084.840  
## 2019 1.75e+08 4492 7 0 177 566 4094 2268 4065.824 4045.652  
## 2020 1.75e+08 4498 7 1 382 527 4299 2229 4270.949 4084.131  
## 2021 1.75e+08 4500 7 1 314 537 4231 2239 4203.309 4074.260  
## 2022 1.75e+08 4501 7 1 294 530 4211 2232 4183.068 4081.182  
## 2023 1.75e+08 4504 7 1 314 581 4231 2283 4202.624 4030.191  
## 2024 1.75e+08 4506 7 1 276 521 4193 2223 4165.112 4090.157  
## 2025 1.75e+08 4506 7 1 285 544 4202 2246 4174.087 4067.545  
## 2026 1.75e+08 4507 7 0 216 582 4133 2284 4105.159 4029.277  
## 2027 1.75e+08 4508 7 1 272 532 4189 2234 4161.113 4079.155  
## 2028 1.75e+08 4509 7 1 288 583 4205 2285 4177.062 4028.593  
## 2029 1.75e+08 4511 7 0 243 567 4160 2269 4132.133 4044.217  
## 2030 1.75e+08 4512 7 0 255 498 4172 2200 4144.158 4113.134  
## 2031 1.75e+08 4513 7 0 241 526 4158 2228 4130.159 4085.203  
## 2032 1.75e+08 4516 7 0 241 528 4158 2230 4130.154 4083.930  
## 2033 1.75e+08 4517 7 1 280 511 4197 2213 4169.108 4100.158  
## 2034 1.75e+08 4520 7 1 278 502 4195 2204 4167.112 4109.485  
## 2035 1.75e+08 4522 7 0 244 596 4161 2298 4132.708 4015.238  
## 2036 1.75e+08 4524 7 0 244 521 4161 2223 4133.148 4090.879  
## 2037 1.75e+08 4525 7 1 297 491 4214 2193 4186.095 4120.454  
## 2038 1.75e+08 4526 7 1 274 507 4191 2209 4162.740 4104.489  
## 2039 1.75e+08 4528 7 1 297 489 4214 2191 4186.101 4122.452  
## 2040 1.75e+08 4531 7 0 160 514 4077 2216 4049.005 4097.838  
## 2041 1.75e+08 4532 7 1 311 480 4228 2182 4200.091 4131.810  
## 2042 1.75e+08 4534 7 1 286 506 4203 2208 4175.491 4105.480  
## 2043 1.75e+08 4538 7 1 297 551 4214 2253 4186.065 4060.540  
## 2044 1.75e+08 4540 7 1 290 463 4207 2165 4179.119 4148.800  
## 2045 1.75e+08 4543 7 1 282 490 4199 2192 4170.718 4121.084  
## 2046 1.75e+08 4544 7 0 240 505 4157 2207 4129.153 4106.517  
## 2047 1.75e+08 4544 7 0 185 553 4102 2255 4073.753 4059.063  
## 2048 1.75e+08 4545 7 1 316 512 4233 2214 4204.698 4099.484  
## 2049 1.75e+08 4548 7 0 223 410 4140 2112 4112.230 4201.760  
## 2050 1.75e+08 4551 7 1 347 590 4264 2292 4235.955 4021.959  
## 2051 1.75e+08 4554 7 1 305 482 4222 2184 4194.075 4129.459  
## 2052 1.75e+08 4559 7 0 169 488 4086 2190 4058.535 4123.275  
## 2053 1.75e+08 4559 7 0 244 503 4161 2205 4133.536 4108.918  
## 2054 1.75e+08 4560 7 1 383 555 4300 2257 4271.536 4056.906  
## 2055 1.75e+08 4561 7 1 349 459 4266 2161 4238.412 4152.018  
## 2056 1.75e+08 4561 7 1 280 485 4197 2187 4169.104 4126.100  
## 2057 1.75e+08 4562 7 1 278 482 4195 2184 4167.379 4129.748  
## 2058 1.75e+08 4566 7 1 278 482 4195 2184 4167.504 4129.488  
## 2059 1.75e+08 4568 7 1 290 513 4207 2215 4178.699 4098.132  
## 2060 1.75e+08 4570 7 1 382 485 4299 2187 4271.376 4126.817  
## 2061 1.75e+08 4570 7 1 288 490 4205 2192 4177.498 4121.498  
## 2062 1.75e+08 4573 7 1 385 553 4302 2255 4273.960 4058.912  
## 2063 1.75e+08 4576 7 1 311 507 4228 2209 4200.102 4104.520  
## 2064 1.75e+08 4576 7 0 216 589 4133 2291 4105.565 4023.071  
## 2065 1.75e+08 4582 7 1 325 479 4242 2181 4213.738 4132.097  
## 2066 1.75e+08 4582 7 0 189 536 4106 2238 4077.899 4076.026  
## 2067 1.75e+08 4584 7 1 307 474 4224 2176 4196.441 4137.213  
## 2068 1.75e+08 4584 7 0 249 503 4166 2205 4138.497 4108.836  
## 2069 1.75e+08 4585 7 1 352 458 4269 2160 4240.765 4153.443  
## 2070 1.75e+08 4590 7 1 383 581 4300 2283 4272.369 4030.597  
## 2071 1.75e+08 4593 7 0 197 493 4114 2195 4086.671 4118.591  
## 2072 1.75e+08 4593 7 1 326 567 4243 2269 4215.071 4044.616  
## 2073 1.75e+08 4594 7 1 314 481 4231 2183 4202.761 4130.510  
## 2074 1.75e+08 4595 7 1 308 521 4225 2223 4197.458 4090.569  
## 2075 1.75e+08 4597 7 1 273 518 4190 2220 4162.160 4093.218  
## 2076 1.75e+08 4600 7 1 297 414 4214 2116 4185.917 4197.694  
## 2077 1.75e+08 4604 7 1 368 501 4285 2203 4257.386 4110.490  
## 2078 1.75e+08 4605 7 1 310 527 4227 2229 4198.828 4084.288  
## 2079 1.75e+08 4606 7 0 225 512 4142 2214 4114.605 4099.969  
## 2080 1.75e+08 4608 7 1 389 560 4306 2262 4277.965 4051.552  
## 2081 1.75e+08 4610 7 1 262 519 4179 2221 4150.746 4092.989  
## 2082 1.75e+08 4611 7 1 312 444 4229 2146 4200.753 4167.064  
## 2083 1.75e+08 4611 7 1 319 506 4236 2208 4207.738 4105.525  
## 2084 1.75e+08 4612 7 1 383 504 4300 2206 4272.364 4107.486  
## 2085 1.75e+08 4613 7 0 237 604 4154 2306 4126.139 4008.090  
## 2086 1.75e+08 4621 7 1 327 493 4244 2195 4216.455 4118.496  
## 2087 1.75e+08 4623 7 1 281 618 4198 2320 4170.071 3993.690  
## 2088 1.75e+08 4626 7 1 288 513 4205 2215 4177.120 4098.534  
## 2089 1.75e+08 4628 7 1 320 499 4237 2201 4209.081 4112.826  
## 2090 1.75e+08 4630 7 1 294 516 4211 2218 4183.109 4095.163  
## 2091 1.75e+08 4631 7 0 251 518 4168 2220 4139.810 4093.545  
## 2092 1.75e+08 4634 7 1 370 426 4287 2128 4259.438 4185.345  
## 2093 1.75e+08 4636 7 0 252 521 4169 2223 4141.168 4090.535  
## 2094 1.75e+08 4636 7 1 316 529 4233 2231 4205.418 4082.507  
## 2095 1.75e+08 4639 7 1 387 572 4304 2274 4275.960 4039.506  
## 2096 1.75e+08 4641 7 0 250 522 4167 2224 4139.522 4089.513  
## 2097 1.75e+08 4645 7 1 305 526 4222 2228 4193.828 4085.745  
## 2098 1.75e+08 4649 7 0 204 556 4121 2258 4093.210 4055.563  
## 2099 1.75e+08 4650 7 1 351 481 4268 2183 4240.414 4130.371  
## 2100 1.75e+08 4651 7 0 249 527 4166 2229 4138.158 4084.122  
## 2101 1.75e+08 4654 7 1 305 515 4222 2217 4193.688 4096.830  
## 2102 1.75e+08 4656 7 1 309 472 4226 2174 4198.095 4138.986  
## 2103 1.75e+08 4656 7 1 315 536 4232 2238 4204.049 4075.837  
## 2104 1.75e+08 4664 7 1 350 487 4267 2189 4238.692 4124.356  
## 2105 1.75e+08 4666 7 0 193 528 4110 2230 4082.642 4083.092  
## 2106 1.75e+08 4667 7 0 235 522 4152 2224 4123.899 4089.749  
## 2107 1.75e+08 4671 7 1 306 512 4223 2214 4195.076 4099.421  
## 2108 1.75e+08 4672 7 1 270 425 4187 2127 4159.174 4186.706  
## 2109 1.75e+08 4678 7 0 253 542 4170 2244 4142.093 4069.506  
## 2110 1.75e+08 4680 7 1 270 453 4187 2155 4159.376 4158.650  
## 2111 1.75e+08 4680 7 1 308 515 4225 2217 4196.670 4096.441  
## 2112 1.75e+08 4683 7 1 281 563 4198 2265 4169.999 4048.155  
## 2113 1.75e+08 4687 7 1 284 632 4201 2334 4172.936 3980.031  
## 2114 1.75e+08 4692 7 1 293 536 4210 2238 4181.708 4075.796  
## 2115 1.75e+08 4692 7 1 281 636 4198 2338 4169.555 3976.049  
## 2116 1.75e+08 4693 7 1 258 434 4175 2136 4147.084 4177.026  
## 2117 1.75e+08 4694 7 1 322 541 4239 2243 4210.929 4070.516  
## 2118 1.75e+08 4695 7 1 290 526 4207 2228 4178.980 4085.857  
## 2119 1.75e+08 4697 7 1 299 511 4216 2213 4188.307 4100.486  
## 2120 1.75e+08 4711 7 0 221 614 4138 2316 4110.376 3997.681  
## 2121 1.75e+08 4714 7 0 232 530 4149 2232 4120.690 4081.547  
## 2122 1.75e+08 4714 7 1 369 583 4286 2285 4257.814 4028.879  
## 2123 1.75e+08 4715 7 1 291 499 4208 2201 4179.588 4112.852  
## 2124 1.75e+08 4715 7 0 242 538 4159 2240 4131.014 4073.552  
## 2125 1.75e+08 4718 7 1 279 522 4196 2224 4167.976 4089.171  
## 2126 1.75e+08 4724 7 1 285 515 4202 2217 4173.981 4096.130  
## 2127 1.75e+08 4725 7 1 287 541 4204 2243 4175.966 4070.905  
## 2128 1.75e+08 4726 7 1 287 541 4204 2243 4175.968 4070.541  
## 2129 1.75e+08 4729 7 1 284 593 4201 2295 4172.952 4018.983  
## 2130 1.75e+08 4731 7 0 246 515 4163 2217 4135.395 4096.515  
## 2131 1.75e+08 4732 7 0 154 539 4071 2241 4043.561 4072.206  
## 2132 1.75e+08 4733 7 1 268 506 4185 2208 4156.762 4105.216  
## 2133 1.75e+08 4734 7 1 262 445 4179 2147 4151.082 4166.759  
## 2134 1.75e+08 4734 7 0 226 523 4143 2225 4115.084 4088.538  
## 2135 1.75e+08 4735 7 0 180 531 4097 2233 4068.755 4080.190  
## 2136 1.75e+08 4736 7 1 316 473 4233 2175 4204.620 4138.423  
## 2137 1.75e+08 4736 7 1 303 501 4220 2203 4191.609 4110.083  
## 2138 1.75e+08 4736 7 1 259 518 4176 2220 4147.658 4093.907  
## 2139 1.75e+08 4737 7 0 255 430 4172 2132 4144.106 4181.784  
## 2140 1.75e+08 4739 7 0 194 439 4111 2141 4083.186 4172.834  
## 2141 1.75e+08 4739 7 0 221 500 4138 2202 4109.726 4111.142  
## 2142 1.75e+08 4740 7 1 269 494 4186 2196 4158.050 4117.495  
## 2143 1.75e+08 4740 7 0 211 612 4128 2314 4100.060 4000.033  
## 2144 1.75e+08 4748 7 1 304 570 4221 2272 4192.958 4041.572  
## 2145 1.75e+08 4752 7 1 343 500 4260 2202 4231.954 4111.785  
## 2146 1.75e+08 4752 7 1 260 509 4177 2211 4149.062 4102.502  
## 2147 1.75e+08 4753 7 1 277 544 4194 2246 4166.401 4067.158  
## 2148 1.75e+08 4754 7 1 261 588 4178 2290 4150.018 4023.608  
## 2149 1.75e+08 4754 7 0 197 603 4114 2305 4085.712 4008.283  
## 2150 1.75e+08 4755 7 1 284 519 4201 2221 4173.298 4092.229  
## 2151 1.75e+08 4757 7 1 295 444 4212 2146 4184.058 4167.392  
## 2152 1.75e+08 4758 7 0 218 516 4135 2218 4107.395 4095.811  
## 2153 1.75e+08 4760 7 1 320 427 4237 2129 4209.405 4184.360  
## 2154 1.75e+08 4760 7 1 291 436 4208 2138 4180.456 4175.389  
## 2155 1.75e+08 4761 7 1 283 517 4200 2219 4172.402 4094.507  
## 2156 1.75e+08 4761 7 0 198 577 4115 2279 4087.486 4034.258  
## 2157 1.75e+08 4763 7 1 262 509 4179 2211 4151.055 4102.132  
## 2158 1.75e+08 4765 7 1 265 506 4182 2208 4153.685 4105.509  
## 2159 1.75e+08 4766 7 0 206 537 4123 2239 4094.786 4074.909  
## 2160 1.75e+08 4771 7 1 326 473 4243 2175 4214.980 4138.431  
## 2161 1.75e+08 4774 7 1 349 518 4266 2220 4237.922 4093.856  
## 2162 1.75e+08 4776 7 0 251 601 4168 2303 4139.735 4010.917  
## 2163 1.75e+08 4779 7 0 250 485 4167 2187 4139.462 4126.105  
## 2164 1.75e+08 4779 7 1 278 519 4195 2221 4167.402 4092.138  
## 2165 1.75e+08 4783 7 1 271 460 4188 2162 4160.065 4151.117  
## 2166 1.75e+08 4792 7 1 279 504 4196 2206 4168.047 4107.164  
## 2167 1.75e+08 4793 7 0 232 510 4149 2212 4121.111 4101.920  
## 2168 1.75e+08 4795 7 1 287 509 4204 2211 4176.035 4102.502  
## 2169 1.75e+08 4798 7 0 252 606 4169 2308 4141.027 4005.265  
## 2170 1.75e+08 4799 7 1 262 531 4179 2233 4151.056 4080.193  
## 2171 1.75e+08 4801 7 1 295 383 4212 2085 4184.100 4228.318  
## 2172 1.75e+08 4804 7 1 262 605 4179 2307 4151.402 4007.030  
## 2173 1.75e+08 4806 7 1 284 506 4201 2208 4173.045 4105.123  
## 2174 1.75e+08 4807 7 1 361 512 4278 2214 4249.938 4099.837  
## 2175 1.75e+08 4809 7 1 313 511 4230 2213 4202.393 4100.877  
## 2176 1.75e+08 4810 7 1 325 428 4242 2130 4214.037 4183.364  
## 2177 1.75e+08 4815 7 1 290 511 4207 2213 4178.689 4100.487  
## 2178 1.75e+08 4816 7 1 286 480 4203 2182 4175.057 4131.444  
## 2179 1.75e+08 4817 7 1 269 490 4186 2192 4158.350 4121.740  
## 2180 1.75e+08 4818 7 1 278 504 4195 2206 4167.390 4107.472  
## 2181 1.75e+08 4818 7 1 361 554 4278 2256 4250.293 4057.102  
## 2182 1.75e+08 4820 7 1 330 586 4247 2288 4218.646 4025.819  
## 2183 1.75e+08 4823 7 1 278 406 4195 2108 4167.092 4205.677  
## 2184 1.75e+08 4825 7 0 236 512 4153 2214 4125.084 4099.497  
## 2185 1.75e+08 4835 7 1 290 512 4207 2214 4179.288 4099.747  
## 2186 1.75e+08 4835 7 1 276 538 4193 2240 4164.742 4073.798  
## 2187 1.75e+08 4837 7 1 272 459 4189 2161 4160.683 4152.025  
## 2188 1.75e+08 4842 7 0 230 509 4147 2211 4119.087 4102.507  
## 2189 1.75e+08 4843 7 1 292 479 4209 2181 4181.405 4132.818  
## 2190 1.75e+08 4846 7 1 287 487 4204 2189 4176.020 4124.066  
## 2191 1.75e+08 4846 7 1 330 556 4247 2258 4218.921 4055.508  
## 2192 1.75e+08 4847 7 1 272 540 4189 2242 4161.287 4071.244  
## 2193 1.75e+08 4851 7 1 288 513 4205 2215 4177.403 4098.087  
## 2194 1.75e+08 4852 7 1 336 468 4253 2170 4224.973 4143.031  
## 2195 1.75e+08 4855 7 1 276 498 4193 2200 4165.044 4113.474  
## 2196 1.75e+08 4856 7 1 265 466 4182 2168 4154.461 4145.818  
## 2197 1.75e+08 4857 7 0 253 439 4170 2141 4142.458 4172.406  
## 2198 1.75e+08 4861 7 0 206 551 4123 2253 4095.109 4060.590  
## 2199 1.75e+08 4864 7 1 262 520 4179 2222 4151.046 4091.172  
## 2200 1.75e+08 4869 7 1 351 483 4268 2185 4240.268 4128.102  
## 2201 1.75e+08 4870 7 1 294 524 4211 2226 4182.993 4087.516  
## 2202 1.75e+08 4873 7 0 254 591 4171 2293 4143.418 4021.046  
## 2203 1.75e+08 4875 7 0 252 533 4169 2235 4141.415 4078.547  
## 2204 1.75e+08 4877 7 1 282 519 4199 2221 4171.020 4092.505  
## 2205 1.75e+08 4884 7 1 383 479 4300 2181 4271.530 4132.772  
## 2206 1.75e+08 4884 7 0 255 536 4172 2238 4144.056 4075.540  
## 2207 1.75e+08 4889 7 1 347 484 4264 2186 4236.343 4127.814  
## 2208 1.75e+08 4893 7 1 399 474 4316 2176 4288.266 4137.763  
## 2209 1.75e+08 4895 7 1 295 527 4212 2229 4183.995 4084.868  
## 2210 1.75e+08 4897 7 1 358 564 4275 2266 4246.890 4047.154  
## 2211 1.75e+08 4898 7 1 310 510 4227 2212 4198.709 4101.755  
## 2212 1.75e+08 4898 7 1 302 532 4219 2234 4190.605 4079.512  
## 2213 1.75e+08 4905 7 1 288 528 4205 2230 4177.003 4083.176  
## 2214 1.75e+08 4909 7 1 358 564 4275 2266 4246.493 4047.133  
## 2215 1.75e+08 4913 7 0 216 463 4133 2165 4105.416 4148.739  
## 2216 1.75e+08 4915 7 0 251 564 4168 2266 4139.654 4047.191  
## 2217 1.75e+08 4916 7 1 263 541 4180 2243 4152.040 4070.182  
## 2218 1.75e+08 4916 7 1 310 549 4227 2251 4198.592 4062.519  
## 2219 1.75e+08 4919 7 1 293 532 4210 2234 4182.282 4079.233  
## 2220 1.75e+08 4920 7 1 347 590 4264 2292 4236.286 4021.548  
## 2221 1.75e+08 4922 7 1 343 436 4260 2138 4231.669 4175.669  
## 2222 1.75e+08 4924 7 0 251 534 4168 2236 4140.070 4077.887  
## 2223 1.75e+08 4926 7 1 300 529 4217 2231 4189.396 4082.096  
## 2224 1.75e+08 4926 7 1 263 542 4180 2244 4152.051 4069.524  
## 2225 1.75e+08 4928 7 1 304 489 4221 2191 4192.684 4122.431  
## 2226 1.75e+08 4934 7 1 310 566 4227 2268 4198.974 4045.525  
## 2227 1.75e+08 4937 7 1 355 488 4272 2190 4244.328 4123.398  
## 2228 1.75e+08 4939 7 1 307 543 4224 2245 4195.993 4068.506  
## 2229 1.75e+08 4940 7 0 250 447 4167 2149 4139.510 4164.791  
## 2230 1.75e+08 4941 7 1 314 509 4231 2211 4203.376 4102.457  
## 2231 1.75e+08 4941 7 1 320 539 4237 2241 4208.976 4072.494  
## 2232 1.75e+08 4942 7 1 294 536 4211 2238 4182.667 4075.508  
## 2233 1.75e+08 4942 7 1 385 575 4302 2277 4273.863 4036.507  
## 2234 1.75e+08 4942 7 1 352 616 4269 2318 4240.884 3995.583  
## 2235 1.75e+08 4944 7 1 308 531 4225 2233 4196.598 4080.097  
## 2236 1.75e+08 4952 7 1 394 454 4311 2156 4282.543 4157.323  
## 2237 1.75e+08 4953 7 1 311 510 4228 2212 4199.608 4101.052  
## 2238 1.75e+08 4954 7 1 262 504 4179 2206 4150.796 4107.742  
## 2239 1.75e+08 4955 7 1 264 484 4181 2186 4152.805 4127.714  
## 2240 1.75e+08 4959 7 1 264 529 4181 2231 4153.057 4082.497  
## 2241 1.75e+08 4960 7 1 300 547 4217 2249 4188.998 4064.501  
## 2242 1.75e+08 4962 7 0 198 471 4115 2173 4087.184 4140.833  
## 2243 1.75e+08 4962 7 1 311 539 4228 2241 4199.600 4072.092  
## 2244 1.75e+08 4965 7 1 388 577 4305 2279 4276.862 4034.837  
## 2245 1.75e+08 4967 7 1 283 503 4200 2205 4172.048 4108.444  
## 2246 1.75e+08 4969 7 1 294 505 4211 2207 4183.027 4106.441  
## 2247 1.75e+08 4972 7 1 274 446 4191 2148 4163.086 4165.377  
## 2248 1.75e+08 4972 7 1 309 535 4226 2237 4197.985 4076.477  
## 2249 1.75e+08 4976 7 1 293 503 4210 2205 4182.024 4108.796  
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## 2251 1.75e+08 4978 7 0 248 517 4165 2219 4137.083 4094.493  
## 2252 1.75e+08 4979 7 1 304 519 4221 2221 4193.397 4092.850  
## 2253 1.75e+08 4980 7 1 357 518 4274 2220 4246.322 4093.433  
## 2254 1.75e+08 4983 7 0 253 516 4170 2218 4141.703 4095.114  
## 2255 1.75e+08 4986 7 1 259 523 4176 2225 4147.714 4088.502  
## 2256 1.75e+08 4986 7 0 182 556 4099 2258 4071.149 4055.593  
## 2257 1.75e+08 4986 7 1 384 566 4301 2268 4272.867 4045.104  
## 2258 1.75e+08 4987 7 0 235 621 4152 2323 4124.035 3990.269  
## 2259 1.75e+08 4990 7 0 197 575 4114 2277 4085.730 4036.613  
## 2260 1.75e+08 4991 7 1 309 518 4226 2220 4197.991 4093.466  
## 2261 1.75e+08 4993 7 1 308 517 4225 2219 4196.600 4094.856  
## 2262 1.75e+08 4995 7 1 262 523 4179 2225 4151.056 4088.142  
## 2263 1.75e+08 4996 7 0 226 460 4143 2162 4115.526 4151.044  
## 2264 1.75e+08 4999 7 1 400 528 4317 2230 4288.491 4083.796  
## 2265 1.75e+08 5007 7 0 241 510 4158 2212 4130.484 4101.491  
## 2266 1.75e+08 5007 7 1 342 592 4259 2294 4230.537 4019.543  
## 2267 1.75e+08 5008 7 0 247 519 4164 2221 4136.087 4092.499  
## 2268 1.75e+08 5008 7 1 300 529 4217 2231 4188.738 4082.752  
## 2269 1.75e+08 5016 7 1 355 535 4272 2237 4244.302 4076.842  
## 2270 1.75e+08 5017 7 1 297 474 4214 2176 4186.035 4137.771  
## 2271 1.75e+08 5019 7 1 302 481 4219 2183 4190.667 4130.425  
## 2272 1.75e+08 5020 7 0 213 544 4130 2246 4102.379 4067.291  
## 2273 1.75e+08 5021 7 1 290 460 4207 2162 4179.052 4151.400  
## 2274 1.75e+08 5023 7 0 196 423 4113 2125 4085.586 4188.791  
## 2275 1.75e+08 5023 7 1 291 615 4208 2317 4179.579 3996.615  
## 2276 1.75e+08 5026 7 1 279 486 4196 2188 4168.057 4125.440  
## 2277 1.75e+08 5029 7 1 298 479 4215 2181 4187.382 4132.414  
## 2278 1.75e+08 5029 7 0 246 510 4163 2212 4135.092 4101.488  
## 2279 1.75e+08 5031 7 1 293 524 4210 2226 4182.022 4087.836  
## 2280 1.75e+08 5032 7 0 247 509 4164 2211 4135.745 4102.484  
## 2281 1.75e+08 5034 7 1 331 497 4248 2199 4220.269 4114.686  
## 2282 1.75e+08 5036 7 0 175 437 4092 2139 4064.637 4174.039  
## 2283 1.75e+08 5036 7 0 220 513 4137 2215 4108.766 4098.506  
## 2284 1.75e+08 5038 7 1 277 512 4194 2214 4166.062 4099.472  
## 2285 1.75e+08 5040 7 0 229 465 4146 2167 4118.152 4146.059  
## 2286 1.75e+08 5040 7 1 265 504 4182 2206 4154.080 4107.092  
## 2287 1.75e+08 5041 7 1 283 458 4200 2160 4172.084 4153.399  
## 2288 1.75e+08 5041 7 1 314 493 4231 2195 4203.020 4118.083  
## 2289 1.75e+08 5045 7 0 253 478 4170 2180 4142.125 4133.450  
## 2290 1.75e+08 5046 7 1 294 479 4211 2181 4182.708 4132.429  
## 2291 1.75e+08 5048 7 1 277 490 4194 2192 4166.093 4121.106  
## 2292 1.75e+08 5055 7 1 283 514 4200 2216 4171.721 4097.502  
## 2293 1.75e+08 5057 7 1 270 488 4187 2190 4159.135 4123.481  
## 2294 1.75e+08 5059 7 0 238 512 4155 2214 4126.773 4099.147  
## 2295 1.75e+08 5060 7 1 273 534 4190 2236 4162.376 4077.282  
## 2296 1.75e+08 5060 7 1 312 616 4229 2318 4201.382 3995.643  
## 2297 1.75e+08 5070 7 0 225 507 4142 2209 4114.201 4104.534  
## 2298 1.75e+08 5073 7 0 240 551 4157 2253 4129.424 4060.857  
## 2299 1.75e+08 5076 7 1 321 458 4238 2160 4209.717 4153.408  
## 2300 1.75e+08 5078 7 1 308 520 4225 2222 4197.071 4091.501  
## 2301 1.75e+08 5080 7 0 222 511 4139 2213 4111.201 4100.885  
## 2302 1.75e+08 5082 7 1 281 512 4198 2214 4169.730 4099.110  
## 2303 1.75e+08 5082 7 0 222 513 4139 2215 4111.201 4098.537  
## 2304 1.75e+08 5084 7 0 176 451 4093 2153 4064.949 4160.476  
## 2305 1.75e+08 5086 7 1 265 498 4182 2200 4153.770 4113.872  
## 2306 1.75e+08 5090 7 1 263 514 4180 2216 4152.538 4097.885  
## 2307 1.75e+08 5092 7 1 264 501 4181 2203 4153.158 4110.477  
## 2308 1.75e+08 5093 7 1 283 495 4200 2197 4172.134 4116.834  
## 2309 1.75e+08 5093 7 1 279 531 4196 2233 4168.118 4080.510  
## 2310 1.75e+08 5093 7 1 278 537 4195 2239 4167.115 4074.171  
## 2311 1.75e+08 5099 7 0 219 519 4136 2221 4108.571 4092.522  
## 2312 1.75e+08 5100 7 1 274 530 4191 2232 4162.767 4081.503  
## 2313 1.75e+08 5101 7 1 261 516 4178 2218 4150.144 4095.490  
## 2314 1.75e+08 5101 7 0 240 520 4157 2222 4129.170 4091.882  
## 2315 1.75e+08 5103 7 0 232 529 4149 2231 4120.786 4082.910  
## 2316 1.75e+08 5103 7 1 357 572 4274 2274 4245.616 4039.508  
## 2317 1.75e+08 5105 7 1 261 519 4178 2221 4149.758 4092.485  
## 2318 1.75e+08 5106 7 0 224 516 4141 2218 4113.533 4095.501  
## 2319 1.75e+08 5107 7 1 276 511 4193 2213 4164.777 4100.464  
## 2320 1.75e+08 5107 7 0 231 531 4148 2233 4119.784 4080.133  
## 2321 1.75e+08 5112 7 1 261 554 4178 2256 4150.105 4057.527  
## 2322 1.75e+08 5114 7 1 339 595 4256 2297 4228.247 4016.811  
## 2323 1.75e+08 5117 7 1 263 511 4180 2213 4152.130 4100.850  
## 2324 1.75e+08 5128 7 1 359 583 4276 2285 4247.928 4028.159  
## 2325 1.75e+08 5129 7 1 271 526 4188 2228 4159.758 4085.170  
## 2326 1.75e+08 5135 7 1 278 469 4195 2171 4166.715 4142.796  
## 2327 1.75e+08 5135 7 1 312 490 4229 2192 4201.051 4121.410  
## 2328 1.75e+08 5136 7 1 286 510 4203 2212 4174.697 4101.454  
## 2329 1.75e+08 5138 7 1 278 616 4195 2318 4166.686 3995.601  
## 2330 1.75e+08 5147 7 1 259 517 4176 2219 4147.795 4094.799  
## 2331 1.75e+08 5147 7 1 280 535 4197 2237 4168.721 4076.490  
## 2332 1.75e+08 5149 7 1 362 587 4279 2289 4251.200 4024.788  
## 2333 1.75e+08 5152 7 1 268 516 4185 2218 4157.483 4095.084  
## 2334 1.75e+08 5153 7 1 281 516 4198 2218 4170.455 4095.082  
## 2335 1.75e+08 5157 7 1 294 541 4211 2243 4183.033 4070.489  
## 2336 1.75e+08 5158 7 0 254 436 4171 2138 4143.150 4175.372  
## 2337 1.75e+08 5158 7 0 158 576 4075 2278 4047.580 4035.238  
## 2338 1.75e+08 5161 7 0 254 583 4171 2285 4143.067 4028.579  
## 2339 1.75e+08 5162 7 1 276 512 4193 2214 4165.081 4099.088  
## 2340 1.75e+08 5162 7 0 179 579 4096 2281 4068.550 4032.621  
## 2341 1.75e+08 5164 7 1 292 511 4209 2213 4180.679 4100.468  
## 2342 1.75e+08 5166 7 1 292 539 4209 2241 4181.048 4072.872  
## 2343 1.75e+08 5167 7 1 273 517 4190 2219 4162.089 4094.500  
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## 2346 1.75e+08 5176 7 1 299 540 4216 2242 4187.654 4071.923  
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## 2348 1.75e+08 5178 7 0 186 512 4103 2214 4074.865 4099.566  
## 2349 1.75e+08 5179 7 1 369 582 4286 2284 4258.193 4029.828  
## 2350 1.75e+08 5182 7 0 245 538 4162 2240 4133.745 4073.578  
## 2351 1.75e+08 5184 7 1 367 463 4284 2165 4256.002 4148.788  
## 2352 1.75e+08 5186 7 1 287 484 4204 2186 4175.776 4127.161  
## 2353 1.75e+08 5191 7 1 259 503 4176 2205 4148.139 4108.521  
## 2354 1.75e+08 5194 7 1 354 571 4271 2273 4243.355 4040.567  
## 2355 1.75e+08 5196 7 1 270 505 4187 2207 4158.747 4106.141  
## 2356 1.75e+08 5196 7 1 278 522 4195 2224 4167.113 4089.546  
## 2357 1.75e+08 5198 7 1 321 515 4238 2217 4210.061 4096.150  
## 2358 1.75e+08 5205 7 1 318 468 4235 2170 4207.479 4143.062  
## 2359 1.75e+08 5205 7 1 303 497 4220 2199 4192.090 4114.503  
## 2360 1.75e+08 5205 7 1 283 503 4200 2205 4172.114 4108.181  
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## 2362 1.75e+08 5208 7 0 192 494 4109 2196 4081.628 4117.185  
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## 2364 1.75e+08 5216 7 1 299 518 4216 2220 4188.097 4093.201  
## 2365 1.75e+08 5217 7 0 244 515 4161 2217 4132.903 4096.847  
## 2366 1.75e+08 5221 7 1 336 523 4253 2225 4225.396 4088.524  
## 2367 1.75e+08 5225 7 0 246 512 4163 2214 4135.174 4099.558  
## 2368 1.75e+08 5226 7 0 245 511 4162 2213 4134.516 4100.554  
## 2369 1.75e+08 5227 7 1 362 534 4279 2236 4250.610 4077.125  
## 2370 1.75e+08 5230 7 1 312 489 4229 2191 4200.745 4122.477  
## 2371 1.75e+08 5240 7 1 300 463 4217 2165 4189.113 4148.454  
## 2372 1.75e+08 5249 7 1 310 435 4227 2137 4199.114 4176.743  
## 2373 1.75e+08 5253 7 1 287 491 4204 2193 4176.118 4120.132  
## 2374 1.75e+08 5254 7 1 264 607 4181 2309 4153.459 4004.646  
## 2375 1.75e+08 5255 7 1 306 504 4223 2206 4195.427 4107.480  
## 2376 1.75e+08 5256 7 1 311 508 4228 2210 4199.715 4103.483  
## 2377 1.75e+08 5256 7 1 307 514 4224 2216 4195.711 4097.494  
## 2378 1.75e+08 5259 7 1 293 486 4210 2188 4182.111 4125.468  
## 2379 1.75e+08 5263 7 1 300 483 4217 2185 4189.492 4128.069  
## 2380 1.75e+08 5263 7 1 279 492 4196 2194 4168.123 4119.104  
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## 2382 1.75e+08 5266 7 1 306 502 4223 2204 4195.079 4109.487  
## 2383 1.75e+08 5266 7 1 305 505 4222 2207 4194.079 4106.833  
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## 2390 1.75e+08 5281 7 1 296 549 4213 2251 4185.052 4062.528  
## 2391 1.75e+08 5283 7 1 300 442 4217 2144 4188.759 4169.378  
## 2392 1.75e+08 5287 7 0 227 467 4144 2169 4116.479 4144.727  
## 2393 1.75e+08 5287 7 1 308 504 4225 2206 4196.678 4107.849  
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## 2396 1.75e+08 5291 7 1 316 403 4233 2105 4204.751 4208.313  
## 2397 1.75e+08 5295 7 1 341 462 4258 2164 4229.634 4148.967  
## 2398 1.75e+08 5298 7 1 339 514 4256 2216 4228.011 4097.085  
## 2399 1.75e+08 5299 7 1 314 483 4231 2185 4203.410 4128.433  
## 2400 1.75e+08 5299 7 1 314 485 4231 2187 4203.060 4126.435  
## 2401 1.75e+08 5304 7 0 227 543 4144 2245 4115.869 4068.836  
## 2402 1.75e+08 5305 7 1 262 517 4179 2219 4151.109 4094.867  
## 2403 1.75e+08 5309 7 0 251 578 4168 2280 4140.086 4033.219  
## 2404 1.75e+08 5311 7 1 300 467 4217 2169 4189.361 4144.142  
## 2405 1.75e+08 5313 7 1 305 524 4222 2226 4194.037 4087.499  
## 2406 1.75e+08 5314 7 1 317 499 4234 2201 4206.041 4112.457  
## 2407 1.75e+08 5314 7 1 302 513 4219 2215 4191.446 4098.878  
## 2408 1.75e+08 5317 7 1 383 564 4300 2266 4271.912 4047.505  
## 2409 1.75e+08 5319 7 1 309 492 4226 2194 4198.055 4119.792  
## 2410 1.75e+08 5324 7 1 383 568 4300 2270 4271.905 4043.164  
## 2411 1.75e+08 5331 7 1 294 507 4211 2209 4183.053 4104.469  
## 2412 1.75e+08 5331 7 1 380 572 4297 2274 4268.897 4039.507  
## 2413 1.75e+08 5335 7 0 242 521 4159 2223 4130.796 4090.840  
## 2414 1.75e+08 5339 7 1 298 544 4215 2246 4187.043 4067.514  
## 2415 1.75e+08 5340 7 1 284 507 4201 2209 4172.693 4104.863  
## 2416 1.75e+08 5340 7 1 295 528 4212 2230 4184.058 4083.884  
## 2417 1.75e+08 5340 7 0 254 588 4171 2290 4142.699 4023.599  
## 2418 1.75e+08 5341 7 1 272 503 4189 2205 4161.477 4108.472  
## 2419 1.75e+08 5344 7 0 254 536 4171 2238 4143.106 4075.155  
## 2420 1.75e+08 5346 7 1 272 515 4189 2217 4161.091 4096.114  
## 2421 1.75e+08 5347 7 1 301 504 4218 2206 4190.056 4107.110  
## 2422 1.75e+08 5351 7 1 280 511 4197 2213 4169.071 4100.850  
## 2423 1.75e+08 5358 7 1 290 530 4207 2232 4179.043 4081.512  
## 2424 1.75e+08 5363 7 1 292 545 4209 2247 4181.410 4066.517  
## 2425 1.75e+08 5369 7 1 275 516 4192 2218 4164.072 4095.123  
## 2426 1.75e+08 5371 7 1 272 562 4189 2264 4161.055 4049.916  
## 2427 1.75e+08 5371 7 0 199 591 4116 2293 4088.518 4020.637  
## 2428 1.75e+08 5388 7 0 255 539 4172 2241 4144.107 4072.539  
## 2429 1.75e+08 5388 7 1 316 543 4233 2245 4205.021 4068.149  
## 2430 1.75e+08 5392 7 1 288 539 4205 2241 4176.718 4072.521  
## 2431 1.75e+08 5399 7 1 316 541 4233 2243 4204.656 4070.504  
## 2432 1.75e+08 5404 7 0 179 493 4096 2195 4068.238 4118.510  
## 2433 1.75e+08 5405 7 0 243 423 4160 2125 4131.922 4188.105  
## 2434 1.75e+08 5408 7 0 192 531 4109 2233 4080.931 4080.285  
## 2435 1.75e+08 5409 7 0 255 511 4172 2213 4143.786 4100.494  
## 2436 1.75e+08 5409 7 1 276 543 4193 2245 4165.080 4068.525  
## 2437 1.75e+08 5410 7 1 281 544 4198 2246 4170.071 4067.182  
## 2438 1.75e+08 5411 7 1 322 444 4239 2146 4210.692 4167.365  
## 2439 1.75e+08 5411 7 1 279 552 4196 2254 4168.069 4059.538  
## 2440 1.75e+08 5415 7 1 315 418 4232 2120 4204.100 4193.345  
## 2441 1.75e+08 5416 7 0 246 592 4163 2294 4134.766 4019.306  
## 2442 1.75e+08 5419 7 1 283 507 4200 2209 4172.403 4104.815  
## 2443 1.75e+08 5419 7 1 267 522 4184 2224 4156.094 4089.524  
## 2444 1.75e+08 5423 7 1 263 556 4180 2258 4152.416 4055.571  
## 2445 1.75e+08 5426 7 1 280 513 4197 2215 4169.468 4098.105  
## 2446 1.75e+08 5429 7 1 310 623 4227 2325 4198.592 3988.619  
## 2447 1.75e+08 5431 7 1 359 457 4276 2159 4248.005 4153.977  
## 2448 1.75e+08 5431 7 1 272 479 4189 2181 4161.111 4132.059  
## 2449 1.75e+08 5431 7 0 219 524 4136 2226 4108.546 4087.921  
## 2450 1.75e+08 5434 7 1 351 441 4268 2143 4240.369 4170.333  
## 2451 1.75e+08 5439 7 1 281 495 4198 2197 4170.083 4116.447  
## 2452 1.75e+08 5444 7 1 283 495 4200 2197 4171.683 4116.059  
## 2453 1.75e+08 5444 7 1 266 578 4183 2280 4155.440 4033.185  
## 2454 1.75e+08 5446 7 0 197 587 4114 2289 4086.521 4025.018  
## 2455 1.75e+08 5449 7 0 177 588 4094 2290 4066.168 4023.985  
## 2456 1.75e+08 5451 7 1 276 525 4193 2227 4165.075 4086.494  
## 2457 1.75e+08 5474 7 1 313 504 4230 2206 4202.045 4107.109  
## 2458 1.75e+08 5478 7 1 286 482 4203 2184 4175.472 4129.442  
## 2459 1.75e+08 5478 7 0 232 541 4149 2243 4121.145 4070.555  
## 2460 1.75e+08 5479 7 1 321 520 4238 2222 4210.418 4091.470  
## 2461 1.75e+08 5479 7 0 188 582 4105 2284 4077.183 4029.634  
## 2462 1.75e+08 5480 7 1 287 483 4204 2185 4175.726 4128.438  
## 2463 1.75e+08 5480 7 1 259 487 4176 2189 4148.558 4124.044  
## 2464 1.75e+08 5482 7 1 332 535 4249 2237 4220.745 4076.750  
## 2465 1.75e+08 5489 7 1 280 458 4197 2160 4168.785 4153.401  
## 2466 1.75e+08 5490 7 1 260 502 4177 2204 4149.127 4109.474  
## 2467 1.75e+08 5491 7 1 271 486 4188 2188 4160.123 4125.448  
## 2468 1.75e+08 5494 7 0 191 520 4108 2222 4080.214 4091.541  
## 2469 1.75e+08 5495 7 1 310 557 4227 2259 4199.030 4054.862  
## 2470 1.75e+08 5498 7 0 196 576 4113 2278 4085.564 4035.224  
## 2471 1.75e+08 5501 7 1 306 482 4223 2184 4195.087 4129.415  
## 2472 1.75e+08 5501 7 0 230 502 4147 2204 4119.180 4109.864  
## 2473 1.75e+08 5503 7 1 284 498 4201 2200 4173.106 4113.073  
## 2474 1.75e+08 5505 7 1 316 475 4233 2177 4204.800 4136.143  
## 2475 1.75e+08 5507 7 1 268 485 4185 2187 4156.752 4126.468  
## 2476 1.75e+08 5507 7 1 287 499 4204 2201 4176.102 4112.476  
## 2477 1.75e+08 5519 7 1 298 481 4215 2183 4187.471 4130.422  
## 2478 1.75e+08 5529 7 1 287 499 4204 2201 4176.438 4112.478  
## 2479 1.75e+08 5531 7 0 249 446 4166 2148 4138.550 4165.816  
## 2480 1.75e+08 5535 7 1 296 508 4213 2210 4184.681 4103.479  
## 2481 1.75e+08 5537 7 0 253 516 4170 2218 4141.742 4095.514  
## 2482 1.75e+08 5542 7 1 284 441 4201 2143 4172.716 4170.395  
## 2483 1.75e+08 5549 7 1 266 526 4183 2228 4155.076 4085.162  
## 2484 1.75e+08 5550 7 1 277 493 4194 2195 4165.739 4118.477  
## 2485 1.75e+08 5550 7 1 289 497 4206 2199 4177.792 4114.746  
## 2486 1.75e+08 5551 7 1 293 535 4210 2237 4182.037 4076.523  
## 2487 1.75e+08 5554 7 1 305 529 4222 2231 4193.661 4082.502  
## 2488 1.75e+08 5560 7 1 313 594 4230 2296 4201.694 4017.838  
## 2489 1.75e+08 5561 7 1 291 501 4208 2203 4180.052 4110.105  
## 2490 1.75e+08 5562 7 1 300 509 4217 2211 4189.401 4102.454  
## 2491 1.75e+08 5563 7 0 234 484 4151 2186 4122.758 4127.460  
## 2492 1.75e+08 5566 7 1 302 520 4219 2222 4190.750 4091.208  
## 2493 1.75e+08 5568 7 1 313 542 4230 2244 4201.998 4069.513  
## 2494 1.75e+08 5569 7 1 313 500 4230 2202 4202.368 4111.458  
## 2495 1.75e+08 5575 7 0 251 524 4168 2226 4139.776 4087.549  
## 2496 1.75e+08 5583 7 1 368 469 4285 2171 4256.640 4142.036  
## 2497 1.75e+08 5583 7 1 393 590 4310 2292 4282.266 4021.567  
## 2498 1.75e+08 5585 7 1 311 543 4228 2245 4200.337 4068.825  
## 2499 1.75e+08 5592 7 1 316 509 4233 2211 4205.106 4102.135  
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## 2501 1.75e+08 5598 7 1 265 540 4182 2242 4154.168 4071.936  
## 2502 1.75e+08 5602 7 1 309 554 4226 2256 4197.748 4057.585  
## 2503 1.75e+08 5609 7 1 307 535 4224 2237 4196.487 4076.946  
## 2504 1.75e+08 5610 7 1 307 534 4224 2236 4196.098 4077.553  
## 2505 1.75e+08 5610 7 0 194 574 4111 2276 4082.845 4038.059  
## 2506 1.75e+08 5612 7 1 266 644 4183 2346 4154.706 3967.346  
## 2507 1.75e+08 5625 7 1 295 517 4212 2219 4183.748 4094.531  
## 2508 1.75e+08 5627 7 1 304 530 4221 2232 4193.118 4081.546  
## 2509 1.75e+08 5631 7 1 330 450 4247 2152 4218.713 4160.995  
## 2510 1.75e+08 5631 7 1 310 523 4227 2225 4198.708 4088.119  
## 2511 1.75e+08 5634 7 1 386 583 4303 2285 4275.322 4028.561  
## 2512 1.75e+08 5646 7 1 385 582 4302 2284 4273.567 4029.956  
## 2513 1.75e+08 5649 7 1 284 560 4201 2262 4173.106 4051.969  
## 2514 1.75e+08 5654 7 1 277 507 4194 2209 4166.146 4104.521  
## 2515 1.75e+08 5659 7 1 285 555 4202 2257 4174.109 4056.585  
## 2516 1.75e+08 5662 7 1 305 502 4222 2204 4194.119 4109.849  
## 2517 1.75e+08 5663 7 1 380 575 4297 2277 4268.581 4036.170  
## 2518 1.75e+08 5665 7 1 307 528 4224 2230 4196.100 4083.899  
## 2519 1.75e+08 5666 7 0 242 522 4159 2224 4130.918 4089.833  
## 2520 1.75e+08 5667 7 1 297 511 4214 2213 4186.122 4100.165  
## 2521 1.75e+08 5669 7 0 241 521 4158 2223 4130.196 4090.207  
## 2522 1.75e+08 5670 7 1 295 522 4212 2224 4184.124 4089.525  
## 2523 1.75e+08 5672 7 1 298 534 4215 2236 4187.393 4077.812  
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## 2529 1.75e+08 5675 7 1 262 538 4179 2240 4151.167 4073.185  
## 2530 1.75e+08 5677 7 1 315 481 4232 2183 4204.127 4130.456  
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## 2532 1.75e+08 5691 7 1 297 490 4214 2192 4186.134 4121.859  
## 2533 1.75e+08 5692 7 1 296 489 4213 2191 4185.487 4122.481  
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## 2536 1.75e+08 5698 7 1 304 575 4221 2277 4193.447 4036.956  
## 2537 1.75e+08 5700 7 0 241 578 4158 2280 4129.746 4033.993  
## 2538 1.75e+08 5701 7 1 290 521 4207 2223 4179.444 4090.486  
## 2539 1.75e+08 5704 7 1 289 521 4206 2223 4177.710 4090.082  
## 2540 1.75e+08 5707 7 1 292 484 4209 2186 4180.764 4127.395  
## 2541 1.75e+08 5707 7 0 176 533 4093 2235 4064.819 4078.114  
## 2542 1.75e+08 5720 7 1 264 568 4181 2270 4152.693 4043.115  
## 2543 1.75e+08 5727 7 1 287 508 4204 2210 4176.454 4103.429  
## 2544 1.75e+08 5730 7 1 313 510 4230 2212 4202.443 4101.028  
## 2545 1.75e+08 5733 7 1 278 479 4195 2181 4167.117 4132.785  
## 2546 1.75e+08 5736 7 1 359 553 4276 2255 4247.958 4058.460  
## 2547 1.75e+08 5737 7 1 285 480 4202 2182 4174.482 4131.402  
## 2548 1.75e+08 5737 7 1 265 485 4182 2187 4153.854 4126.692  
## 2549 1.75e+08 5738 7 0 222 501 4139 2203 4111.171 4110.125  
## 2550 1.75e+08 5740 7 1 280 502 4197 2204 4168.810 4109.709  
## 2551 1.75e+08 5742 7 1 301 465 4218 2167 4190.456 4146.755  
## 2552 1.75e+08 5743 7 1 316 608 4233 2310 4204.580 4003.179  
## 2553 1.75e+08 5745 7 1 283 480 4200 2182 4172.427 4131.411  
## 2554 1.75e+08 5747 7 1 282 479 4199 2181 4171.077 4132.421  
## 2555 1.75e+08 5749 7 1 264 486 4181 2188 4152.724 4125.444  
## 2556 1.75e+08 5755 7 1 358 555 4275 2257 4246.556 4056.089  
## 2557 1.75e+08 5758 7 0 233 544 4150 2246 4122.501 4067.527  
## 2558 1.75e+08 5761 7 1 263 489 4180 2191 4152.433 4122.752  
## 2559 1.75e+08 5763 7 1 283 511 4200 2213 4172.070 4100.451  
## 2560 1.75e+08 5764 7 0 220 505 4137 2207 4109.159 4106.481  
## 2561 1.75e+08 5764 7 1 263 597 4180 2299 4151.682 4014.582  
## 2562 1.75e+08 5766 7 0 229 469 4146 2171 4118.554 4142.815  
## 2563 1.75e+08 5767 7 1 315 435 4232 2137 4203.677 4175.941  
## 2564 1.75e+08 5771 7 1 264 506 4181 2208 4153.437 4105.460  
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## 2568 1.75e+08 5774 7 1 354 558 4271 2260 4242.938 4053.477  
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## 2570 1.75e+08 5780 7 1 283 517 4200 2219 4172.064 4094.100  
## 2571 1.75e+08 5789 7 1 280 531 4197 2233 4169.433 4080.443  
## 2572 1.75e+08 5791 7 1 303 421 4220 2123 4191.839 4190.004  
## 2573 1.75e+08 5796 7 0 232 468 4149 2170 4121.183 4143.020  
## 2574 1.75e+08 5797 7 0 255 499 4172 2201 4144.133 4112.040  
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## 2576 1.75e+08 5802 7 0 188 484 4105 2186 4077.611 4127.435  
## 2577 1.75e+08 5802 7 1 281 542 4198 2244 4169.675 4069.068  
## 2578 1.75e+08 5805 7 1 278 523 4195 2225 4167.077 4088.816  
## 2579 1.75e+08 5805 7 0 192 582 4109 2284 4080.778 4029.181  
## 2580 1.75e+08 5807 7 0 252 411 4169 2113 4141.554 4200.290  
## 2581 1.75e+08 5810 7 1 269 512 4186 2214 4158.482 4099.816  
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## 2584 1.75e+08 5813 7 1 280 531 4197 2233 4168.746 4080.136  
## 2585 1.75e+08 5813 7 1 273 555 4190 2257 4162.413 4056.494  
## 2586 1.75e+08 5814 7 1 281 527 4198 2229 4170.071 4084.069  
## 2587 1.75e+08 5817 7 1 283 516 4200 2218 4172.083 4095.817  
## 2588 1.75e+08 5818 7 1 289 506 4206 2208 4178.082 4105.804  
## 2589 1.75e+08 5819 7 1 284 518 4201 2220 4173.083 4093.825  
## 2590 1.75e+08 5821 7 1 264 415 4181 2117 4153.174 4196.318  
## 2591 1.75e+08 5821 7 1 271 512 4188 2214 4160.449 4099.446  
## 2592 1.75e+08 5823 7 1 271 513 4188 2215 4159.833 4098.190  
## 2593 1.75e+08 5825 7 1 284 541 4201 2243 4173.439 4070.500  
## 2594 1.75e+08 5826 7 1 273 514 4190 2216 4162.106 4097.103  
## 2595 1.75e+08 5826 7 0 240 540 4157 2242 4129.412 4071.249  
## 2596 1.75e+08 5827 7 1 276 564 4193 2266 4165.448 4047.535  
## 2597 1.75e+08 5830 7 1 275 517 4192 2219 4164.096 4094.815  
## 2598 1.75e+08 5831 7 1 294 542 4211 2244 4183.399 4069.495  
## 2599 1.75e+08 5833 7 1 273 447 4190 2149 4161.759 4164.759  
## 2600 1.75e+08 5833 7 1 277 529 4194 2231 4166.087 4082.860  
## 2601 1.75e+08 5838 7 1 284 502 4201 2204 4173.483 4109.062  
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## 2603 1.75e+08 5844 7 1 290 535 4207 2237 4178.669 4076.503  
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## 2605 1.75e+08 5847 7 1 298 539 4215 2241 4187.440 4072.092  
## 2606 1.75e+08 5848 7 1 279 518 4196 2220 4168.058 4093.489  
## 2607 1.75e+08 5848 7 1 299 539 4216 2241 4188.018 4072.506  
## 2608 1.75e+08 5849 7 1 277 563 4194 2265 4166.026 4048.183  
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## 2610 1.75e+08 5854 7 0 250 428 4167 2130 4138.769 4183.388  
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## 2612 1.75e+08 5857 7 1 302 512 4219 2214 4190.982 4099.862  
## 2613 1.75e+08 5859 7 0 239 535 4156 2237 4128.430 4076.941  
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## 2621 1.75e+08 5877 7 1 308 536 4225 2238 4196.924 4075.888  
## 2622 1.75e+08 5881 7 1 310 536 4227 2238 4198.583 4075.547  
## 2623 1.75e+08 5882 7 1 290 512 4207 2214 4178.624 4099.525  
## 2624 1.75e+08 5884 7 1 366 532 4283 2234 4255.123 4079.773  
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## 2628 1.75e+08 5895 7 1 282 551 4199 2253 4170.663 4060.285  
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## 2632 1.75e+08 5898 7 1 304 523 4221 2225 4193.273 4088.512  
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## 2634 1.75e+08 5905 7 1 301 570 4218 2272 4189.576 4041.563  
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## 2649 1.75e+08 5941 7 0 193 448 4110 2150 4082.146 4163.456  
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## 2667 1.75e+08 5978 7 1 383 454 4300 2156 4272.308 4156.936  
## 2668 1.75e+08 5978 7 1 316 553 4233 2255 4205.333 4058.888  
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## 2670 1.75e+08 5981 7 1 286 532 4203 2234 4175.002 4079.498  
## 2671 1.75e+08 5982 7 1 293 523 4210 2225 4182.268 4088.211  
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## 2674 1.75e+08 5992 7 1 347 461 4264 2163 4235.568 4150.761  
## 2675 1.75e+08 5993 7 1 286 489 4203 2191 4175.021 4122.827  
## 2676 1.75e+08 6001 7 1 369 489 4286 2191 4257.539 4122.006  
## 2677 1.75e+08 6004 7 1 294 510 4211 2212 4183.007 4101.815  
## 2678 1.75e+08 6012 7 1 300 490 4217 2192 4188.718 4121.694  
## 2679 1.75e+08 6015 7 1 278 615 4195 2317 4167.345 3996.224  
## 2680 1.75e+08 6019 7 0 238 537 4155 2239 4127.457 4074.149  
## 2681 1.75e+08 6019 7 1 291 573 4208 2275 4180.344 4038.550  
## 2682 1.75e+08 6023 7 0 229 522 4146 2224 4117.708 4089.139  
## 2683 1.75e+08 6024 7 1 275 529 4192 2231 4164.022 4082.501  
## 2684 1.75e+08 6026 7 1 288 520 4205 2222 4177.005 4091.843  
## 2685 1.75e+08 6027 7 1 287 520 4204 2222 4176.002 4091.483  
## 2686 1.75e+08 6027 7 0 243 591 4160 2293 4132.377 4020.606  
## 2687 1.75e+08 6028 7 1 275 502 4192 2204 4164.026 4109.088  
## 2688 1.75e+08 6028 7 0 232 518 4149 2220 4121.075 4093.142  
## 2689 1.75e+08 6032 7 1 280 504 4197 2206 4169.402 4107.870  
## 2690 1.75e+08 6032 7 1 286 522 4203 2224 4174.653 4089.504  
## 2691 1.75e+08 6038 7 1 260 502 4177 2204 4148.666 4109.135  
## 2692 1.75e+08 6038 7 1 277 525 4194 2227 4166.017 4086.903  
## 2693 1.75e+08 6039 7 1 291 529 4208 2231 4179.673 4082.220  
## 2694 1.75e+08 6041 7 1 290 530 4207 2232 4179.358 4081.546  
## 2695 1.75e+08 6041 7 1 283 535 4200 2237 4171.643 4076.558  
## 2696 1.75e+08 6042 7 1 277 547 4194 2249 4166.343 4064.577  
## 2697 1.75e+08 6043 7 0 254 531 4171 2233 4143.044 4080.569  
## 2698 1.75e+08 6046 7 1 269 511 4186 2213 4157.686 4100.532  
## 2699 1.75e+08 6047 7 0 229 487 4146 2189 4118.482 4124.909  
## 2700 1.75e+08 6048 7 1 364 578 4281 2280 4252.504 4033.572  
## 2701 1.75e+08 6049 7 1 275 557 4192 2259 4163.986 4054.597  
## 2702 1.75e+08 6051 7 1 277 484 4194 2186 4166.437 4127.086  
## 2703 1.75e+08 6055 7 1 269 514 4186 2216 4157.627 4097.159  
## 2704 1.75e+08 6057 7 1 280 531 4197 2233 4168.998 4080.571  
## 2705 1.75e+08 6058 7 0 231 482 4148 2184 4119.683 4129.948  
## 2706 1.75e+08 6058 7 1 320 524 4237 2226 4209.331 4087.537  
## 2707 1.75e+08 6059 7 1 271 553 4188 2255 4160.002 4058.607  
## 2708 1.75e+08 6062 7 1 356 496 4273 2198 4244.923 4115.481  
## 2709 1.75e+08 6062 7 1 286 509 4203 2211 4175.011 4102.159  
## 2710 1.75e+08 6063 7 1 270 511 4187 2213 4159.373 4100.557  
## 2711 1.75e+08 6063 7 1 279 533 4196 2235 4168.004 4078.213  
## 2712 1.75e+08 6065 7 1 284 529 4201 2231 4172.997 4082.573  
## 2713 1.75e+08 6065 7 0 200 557 4117 2259 4089.479 4054.276  
## 2714 1.75e+08 6066 7 1 283 550 4200 2252 4171.985 4061.604  
## 2715 1.75e+08 6067 7 1 360 584 4277 2286 4248.499 4027.607  
## 2716 1.75e+08 6068 7 0 221 533 4138 2235 4110.078 4078.620  
## 2717 1.75e+08 6075 7 1 266 516 4183 2218 4155.029 4095.556  
## 2718 1.75e+08 6076 7 0 208 531 4125 2233 4097.480 4080.608  
## 2719 1.75e+08 6078 7 1 264 517 4181 2219 4153.042 4094.555  
## 2720 1.75e+08 6080 7 1 284 540 4201 2242 4173.006 4071.572  
## 2721 1.75e+08 6081 7 1 276 535 4193 2237 4165.405 4076.570  
## 2722 1.75e+08 6087 7 1 269 529 4186 2231 4158.396 4082.574  
## 2723 1.75e+08 6088 7 1 266 576 4183 2278 4154.734 4035.349  
## 2724 1.75e+08 6088 7 1 272 589 4189 2291 4161.391 4022.656  
## 2725 1.75e+08 6089 7 1 284 513 4201 2215 4172.664 4098.549  
## 2726 1.75e+08 6092 7 1 276 461 4193 2163 4165.094 4150.496  
## 2727 1.75e+08 6093 7 0 253 497 4170 2199 4141.833 4114.287  
## 2728 1.75e+08 6099 7 1 268 533 4185 2235 4157.092 4078.266  
## 2729 1.75e+08 6103 7 1 285 544 4202 2246 4174.074 4068.008  
## 2730 1.75e+08 6103 7 1 268 554 4185 2256 4157.472 4057.649  
## 2731 1.75e+08 6104 7 0 238 455 4155 2157 4127.560 4156.532  
## 2732 1.75e+08 6105 7 1 282 536 4199 2238 4171.089 4075.615  
## 2733 1.75e+08 6107 7 1 263 543 4180 2245 4152.115 4068.252  
## 2734 1.75e+08 6108 7 1 259 627 4176 2329 4148.347 3984.481  
## 2735 1.75e+08 6110 7 1 275 531 4192 2233 4163.768 4080.617  
## 2736 1.75e+08 6111 7 0 253 454 4170 2156 4141.751 4157.090  
## 2737 1.75e+08 6112 7 1 264 513 4181 2215 4153.134 4098.594  
## 2738 1.75e+08 6112 7 1 283 536 4200 2238 4172.483 4076.002  
## 2739 1.75e+08 6116 7 1 270 524 4187 2226 4159.398 4087.878  
## 2740 1.75e+08 6124 7 1 270 512 4187 2214 4158.854 4099.292  
## 2741 1.75e+08 6125 7 1 327 505 4244 2207 4216.057 4106.523  
## 2742 1.75e+08 6134 7 1 268 517 4185 2219 4157.467 4094.578  
## 2743 1.75e+08 6137 7 1 283 535 4200 2237 4172.479 4076.590  
## 2744 1.75e+08 6137 7 1 263 615 4180 2317 4151.734 3996.712  
## 2745 1.75e+08 6138 7 1 281 508 4198 2210 4170.390 4103.825  
## 2746 1.75e+08 6138 7 1 287 527 4204 2229 4176.475 4084.576  
## 2747 1.75e+08 6140 7 1 283 509 4200 2211 4171.738 4102.546  
## 2748 1.75e+08 6144 7 1 282 519 4199 2221 4170.840 4092.816  
## 2749 1.75e+08 6146 7 0 248 534 4165 2236 4137.148 4077.582  
## 2750 1.75e+08 6147 7 0 196 479 4113 2181 4085.254 4132.546  
## 2751 1.75e+08 6149 7 1 319 519 4236 2221 4207.668 4092.132  
## 2752 1.75e+08 6157 7 1 392 484 4309 2186 4280.962 4127.106  
## 2753 1.75e+08 6165 7 0 232 509 4149 2211 4120.806 4102.574  
## 2754 1.75e+08 6179 7 1 299 510 4216 2212 4188.406 4101.542  
## 2755 1.75e+08 6180 7 1 273 488 4190 2190 4162.100 4123.881  
## 2756 1.75e+08 6180 7 1 375 555 4292 2257 4263.578 4056.557  
## 2757 1.75e+08 6181 7 1 375 555 4292 2257 4263.502 4056.140  
## 2758 1.75e+08 6182 7 1 335 458 4252 2160 4223.683 4153.451  
## 2759 1.75e+08 6182 7 1 315 538 4232 2240 4204.392 4073.572  
## 2760 1.75e+08 6186 7 1 294 503 4211 2205 4183.065 4108.912  
## 2761 1.75e+08 6186 7 1 302 508 4219 2210 4190.701 4103.542  
## 2762 1.75e+08 6191 7 0 237 470 4154 2172 4126.170 4141.908  
## 2763 1.75e+08 6192 7 1 285 486 4202 2188 4173.730 4125.520  
## 2764 1.75e+08 6194 7 1 306 509 4223 2211 4195.055 4102.536  
## 2765 1.75e+08 6194 7 1 263 565 4180 2267 4152.356 4046.361  
## 2766 1.75e+08 6194 7 1 328 612 4245 2314 4217.344 3999.663  
## 2767 1.75e+08 6196 7 1 333 511 4250 2213 4222.017 4100.909  
## 2768 1.75e+08 6203 7 1 299 503 4216 2205 4188.330 4108.809  
## 2769 1.75e+08 6209 7 1 309 506 4226 2208 4198.029 4105.532  
## 2770 1.75e+08 6213 7 1 304 496 4221 2198 4193.463 4115.942  
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## 2772 1.75e+08 6214 7 1 319 471 4236 2173 4208.044 4140.487  
## 2773 1.75e+08 6216 7 1 308 488 4225 2190 4197.435 4123.133  
## 2774 1.75e+08 6217 7 1 310 481 4227 2183 4199.055 4130.507  
## 2775 1.75e+08 6217 7 0 247 503 4164 2205 4136.128 4108.574  
## 2776 1.75e+08 6217 7 1 328 511 4245 2213 4216.635 4100.537  
## 2777 1.75e+08 6219 7 1 341 513 4258 2215 4230.372 4098.149  
## 2778 1.75e+08 6220 7 1 311 481 4228 2183 4200.048 4130.505  
## 2779 1.75e+08 6221 7 0 228 586 4145 2288 4116.823 4025.423  
## 2780 1.75e+08 6223 7 1 290 535 4207 2237 4179.042 4076.585  
## 2781 1.75e+08 6223 7 1 320 603 4237 2305 4208.960 4008.305  
## 2782 1.75e+08 6224 7 0 249 505 4166 2207 4138.116 4106.567  
## 2783 1.75e+08 6226 7 1 305 494 4222 2196 4194.315 4117.791  
## 2784 1.75e+08 6226 7 1 313 511 4230 2213 4202.365 4100.537  
## 2785 1.75e+08 6227 7 1 342 569 4259 2271 4230.946 4042.600  
## 2786 1.75e+08 6229 7 1 280 422 4197 2124 4168.738 4189.054  
## 2787 1.75e+08 6229 7 1 298 505 4215 2207 4187.045 4106.537  
## 2788 1.75e+08 6230 7 1 304 396 4221 2098 4193.447 4215.382  
## 2789 1.75e+08 6231 7 1 339 515 4256 2217 4227.983 4096.898  
## 2790 1.75e+08 6232 7 1 354 595 4271 2297 4243.188 4016.896  
## 2791 1.75e+08 6233 7 1 276 417 4193 2119 4165.126 4194.425  
## 2792 1.75e+08 6233 7 1 293 520 4210 2222 4182.417 4091.555  
## 2793 1.75e+08 6234 7 0 203 522 4120 2224 4092.526 4089.610  
## 2794 1.75e+08 6237 7 0 251 509 4168 2211 4140.107 4102.910  
## 2795 1.75e+08 6237 7 1 318 512 4235 2214 4207.393 4099.523  
## 2796 1.75e+08 6238 7 0 239 463 4156 2165 4127.882 4148.230  
## 2797 1.75e+08 6238 7 1 314 514 4231 2216 4203.020 4097.177  
## 2798 1.75e+08 6243 7 1 319 415 4236 2117 4207.699 4195.995  
## 2799 1.75e+08 6244 7 1 277 509 4194 2211 4166.088 4102.534  
## 2800 1.75e+08 6245 7 1 307 513 4224 2215 4196.047 4098.520  
## 2801 1.75e+08 6246 7 0 234 545 4151 2247 4123.402 4066.332  
## 2802 1.75e+08 6248 7 1 314 492 4231 2194 4202.673 4119.484  
## 2803 1.75e+08 6248 7 1 295 497 4212 2199 4184.354 4114.780  
## 2804 1.75e+08 6248 7 0 252 513 4169 2215 4141.125 4098.549  
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## 2806 1.75e+08 6252 7 1 371 520 4288 2222 4259.958 4091.847  
## 2807 1.75e+08 6253 7 1 306 517 4223 2219 4195.426 4094.524  
## 2808 1.75e+08 6254 7 1 285 495 4202 2197 4174.086 4116.154  
## 2809 1.75e+08 6254 7 1 372 497 4289 2199 4260.966 4114.075  
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## 2812 1.75e+08 6261 7 1 315 525 4232 2227 4204.024 4086.544  
## 2813 1.75e+08 6262 7 0 251 481 4168 2183 4140.409 4130.795  
## 2814 1.75e+08 6265 7 1 295 504 4212 2206 4184.058 4107.182  
## 2815 1.75e+08 6267 7 1 308 543 4225 2245 4197.391 4068.568  
## 2816 1.75e+08 6268 7 1 307 523 4224 2225 4196.030 4088.922  
## 2817 1.75e+08 6270 7 1 304 479 4221 2181 4192.678 4132.480  
## 2818 1.75e+08 6270 7 1 389 520 4306 2222 4277.547 4091.485  
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## 2820 1.75e+08 6271 7 1 279 432 4196 2134 4168.488 4179.428  
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## 2822 1.75e+08 6272 7 1 342 531 4259 2233 4230.629 4080.525  
## 2823 1.75e+08 6273 7 1 321 450 4238 2152 4209.662 4161.042  
## 2824 1.75e+08 6274 7 1 315 530 4232 2232 4204.281 4081.812  
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## 2826 1.75e+08 6275 7 0 220 535 4137 2237 4108.856 4076.328  
## 2827 1.75e+08 6276 7 1 287 510 4204 2212 4176.055 4101.899  
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## 2829 1.75e+08 6278 7 1 305 527 4222 2229 4194.411 4084.144  
## 2830 1.75e+08 6280 7 1 295 510 4212 2212 4184.046 4101.130  
## 2831 1.75e+08 6280 7 1 369 534 4286 2236 4258.312 4077.880  
## 2832 1.75e+08 6282 7 1 388 585 4305 2287 4277.255 4026.549  
## 2833 1.75e+08 6284 7 0 218 515 4135 2217 4107.152 4096.935  
## 2834 1.75e+08 6285 7 1 266 566 4183 2268 4154.672 4045.210  
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## 2836 1.75e+08 6289 7 1 302 529 4219 2231 4191.029 4082.180  
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## 2838 1.75e+08 6295 7 1 297 526 4214 2228 4186.430 4085.134  
## 2839 1.75e+08 6303 7 1 313 509 4230 2211 4202.023 4102.483  
## 2840 1.75e+08 6303 7 0 246 533 4163 2235 4135.488 4078.167  
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## 2843 1.75e+08 6305 7 1 348 554 4265 2256 4236.945 4057.524  
## 2844 1.75e+08 6306 7 1 352 497 4269 2199 4240.975 4114.069  
## 2845 1.75e+08 6308 7 1 355 441 4272 2143 4244.004 4170.371  
## 2846 1.75e+08 6310 7 1 301 522 4218 2224 4190.388 4089.521  
## 2847 1.75e+08 6310 7 1 277 546 4194 2248 4166.054 4065.568  
## 2848 1.75e+08 6315 7 1 333 512 4250 2214 4222.335 4099.491  
## 2849 1.75e+08 6316 7 1 273 532 4190 2234 4162.441 4079.931  
## 2850 1.75e+08 6317 7 1 377 613 4294 2315 4266.245 3998.977  
## 2851 1.75e+08 6319 7 1 302 549 4219 2251 4190.650 4062.555  
## 2852 1.75e+08 6324 7 1 330 542 4247 2244 4219.288 4069.861  
## 2853 1.75e+08 6326 7 0 250 429 4167 2131 4139.140 4182.042  
## 2854 1.75e+08 6326 7 1 298 522 4215 2224 4187.019 4089.170  
## 2855 1.75e+08 6327 7 1 260 521 4177 2223 4149.069 4090.177  
## 2856 1.75e+08 6327 7 1 269 590 4186 2292 4157.739 4021.365  
## 2857 1.75e+08 6329 7 1 303 420 4220 2122 4192.451 4191.397  
## 2858 1.75e+08 6331 7 1 287 532 4204 2234 4176.026 4079.561  
## 2859 1.75e+08 6335 7 1 369 523 4286 2225 4257.926 4088.111  
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## 2862 1.75e+08 6337 7 1 306 540 4223 2242 4194.614 4071.157  
## 2863 1.75e+08 6338 7 1 281 515 4198 2217 4170.057 4096.527  
## 2864 1.75e+08 6340 7 1 299 509 4216 2211 4187.660 4102.509  
## 2865 1.75e+08 6342 7 0 183 483 4100 2185 4072.212 4128.547  
## 2866 1.75e+08 6342 7 1 286 527 4203 2229 4175.045 4084.923  
## 2867 1.75e+08 6343 7 0 201 451 4118 2153 4090.477 4160.767  
## 2868 1.75e+08 6343 7 1 291 532 4208 2234 4180.034 4079.926  
## 2869 1.75e+08 6344 7 1 372 505 4289 2207 4260.660 4106.193  
## 2870 1.75e+08 6344 7 1 371 612 4288 2314 4259.876 3999.618  
## 2871 1.75e+08 6347 7 1 359 504 4276 2206 4248.339 4107.864  
## 2872 1.75e+08 6348 7 1 371 474 4288 2176 4259.957 4137.815  
## 2873 1.75e+08 6348 7 1 339 485 4256 2187 4227.652 4126.470  
## 2874 1.75e+08 6350 7 0 223 588 4140 2290 4111.748 4023.686  
## 2875 1.75e+08 6352 7 1 285 537 4202 2239 4174.048 4074.579  
## 2876 1.75e+08 6353 7 1 296 505 4213 2207 4185.428 4106.527  
## 2877 1.75e+08 6354 7 1 305 480 4222 2182 4194.061 4131.829  
## 2878 1.75e+08 6354 7 0 244 534 4161 2236 4132.834 4077.875  
## 2879 1.75e+08 6355 7 0 175 552 4092 2254 4064.200 4059.280  
## 2880 1.75e+08 6368 7 1 288 535 4205 2237 4177.331 4076.276  
## 2881 1.75e+08 6370 7 0 199 484 4116 2186 4088.210 4127.912  
## 2882 1.75e+08 6374 7 1 290 524 4207 2226 4178.784 4087.263  
## 2883 1.75e+08 6374 7 1 364 571 4281 2273 4252.928 4040.898  
## 2884 1.75e+08 6376 7 1 270 502 4187 2204 4159.098 4109.517  
## 2885 1.75e+08 6380 7 1 363 566 4280 2268 4252.352 4045.137  
## 2886 1.75e+08 6382 7 1 288 520 4205 2222 4176.680 4091.146  
## 2887 1.75e+08 6384 7 1 274 509 4191 2211 4162.742 4102.528  
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## 2889 1.75e+08 6394 7 0 176 435 4093 2137 4064.984 4176.204  
## 2890 1.75e+08 6394 7 0 204 489 4121 2191 4093.185 4122.148  
## 2891 1.75e+08 6397 7 1 285 514 4202 2216 4174.066 4097.170  
## 2892 1.75e+08 6398 7 1 271 503 4188 2205 4159.720 4108.511  
## 2893 1.75e+08 6399 7 1 284 514 4201 2216 4173.463 4097.905  
## 2894 1.75e+08 6406 7 0 220 506 4137 2208 4109.562 4105.938  
## 2895 1.75e+08 6409 7 1 350 500 4267 2202 4239.001 4111.464  
## 2896 1.75e+08 6410 7 1 268 535 4185 2237 4157.091 4076.561  
## 2897 1.75e+08 6412 7 1 276 505 4193 2207 4164.823 4106.239  
## 2898 1.75e+08 6412 7 1 283 509 4200 2211 4171.816 4102.789  
## 2899 1.75e+08 6413 7 1 290 500 4207 2202 4179.458 4111.505  
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## 2901 1.75e+08 6418 7 1 322 462 4239 2164 4211.070 4149.798  
## 2902 1.75e+08 6425 7 1 283 507 4200 2209 4172.358 4104.773  
## 2903 1.75e+08 6431 7 1 382 476 4299 2178 4270.955 4135.398  
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## 2905 1.75e+08 6434 7 0 231 511 4148 2213 4120.141 4100.928  
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## 2925 1.75e+08 6462 7 0 231 522 4148 2224 4120.124 4089.562  
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## 2933 1.75e+08 6486 7 0 231 515 4148 2217 4119.701 4096.135  
## 2934 1.75e+08 6486 7 1 285 517 4202 2219 4174.315 4094.794  
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## 2939 1.75e+08 6493 7 1 382 474 4299 2176 4271.302 4137.400  
## 2940 1.75e+08 6495 7 0 232 520 4149 2222 4120.830 4091.836  
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## 2942 1.75e+08 6502 7 0 200 451 4117 2153 4088.802 4160.881  
## 2943 1.75e+08 6502 7 1 299 528 4216 2230 4187.632 4083.539  
## 2944 1.75e+08 6502 7 0 247 530 4164 2232 4136.079 4081.573  
## 2945 1.75e+08 6509 7 0 252 525 4169 2227 4141.449 4086.185  
## 2946 1.75e+08 6510 7 1 276 528 4193 2230 4165.033 4083.172  
## 2947 1.75e+08 6515 7 1 346 498 4263 2200 4234.958 4113.470  
## 2948 1.75e+08 6518 7 1 276 530 4193 2232 4165.044 4081.553  
## 2949 1.75e+08 6519 7 1 374 551 4291 2253 4262.899 4060.144  
## 2950 1.75e+08 6524 7 1 286 514 4203 2216 4174.704 4097.519  
## 2951 1.75e+08 6525 7 1 277 533 4194 2235 4166.047 4078.549  
## 2952 1.75e+08 6529 7 0 185 518 4102 2220 4073.799 4093.572  
## 2953 1.75e+08 6531 7 0 255 542 4172 2244 4144.062 4069.930  
## 2954 1.75e+08 6533 7 0 239 462 4156 2164 4127.801 4149.789  
## 2955 1.75e+08 6533 7 1 265 589 4182 2291 4154.291 4022.891  
## 2956 1.75e+08 6535 7 0 228 568 4145 2270 4117.463 4043.618  
## 2957 1.75e+08 6536 7 1 308 540 4225 2242 4196.994 4071.894  
## 2958 1.75e+08 6540 7 1 259 628 4176 2330 4148.401 3983.692  
## 2959 1.75e+08 6545 7 0 214 510 4131 2212 4102.778 4101.183  
## 2960 1.75e+08 6547 7 1 312 513 4229 2215 4201.026 4098.892  
## 2961 1.75e+08 6549 7 1 352 585 4269 2287 4240.561 4026.585  
## 2962 1.75e+08 6550 7 1 269 459 4186 2161 4157.768 4152.464  
## 2963 1.75e+08 6550 7 1 337 543 4254 2245 4225.970 4068.919  
## 2964 1.75e+08 6550 7 1 291 546 4208 2248 4180.031 4065.190  
## 2965 1.75e+08 6551 7 1 301 524 4218 2226 4190.029 4087.532  
## 2966 1.75e+08 6554 7 0 209 453 4126 2155 4098.542 4158.482  
## 2967 1.75e+08 6554 7 1 313 512 4230 2214 4201.653 4099.502  
## 2968 1.75e+08 6554 7 1 316 542 4233 2244 4205.271 4069.813  
## 2969 1.75e+08 6554 7 1 345 629 4262 2331 4233.907 3982.262  
## 2970 1.75e+08 6560 7 1 363 541 4280 2243 4251.941 4070.140  
## 2971 1.75e+08 6567 7 1 324 471 4241 2173 4213.039 4140.822  
## 2972 1.75e+08 6571 7 1 366 435 4283 2137 4255.385 4175.981  
## 2973 1.75e+08 6575 7 1 409 499 4326 2201 4297.905 4112.042  
## 2974 1.75e+08 6575 7 1 401 502 4318 2204 4289.915 4109.424  
## 2975 1.75e+08 6575 7 1 295 514 4212 2216 4184.052 4097.503  
## 2976 1.75e+08 6578 7 0 252 530 4169 2232 4141.111 4081.927  
## 2977 1.75e+08 6578 7 1 293 549 4210 2251 4182.043 4062.551  
## 2978 1.75e+08 6578 7 1 391 583 4308 2285 4279.514 4028.539  
## 2979 1.75e+08 6580 7 1 294 528 4211 2230 4182.668 4083.129  
## 2980 1.75e+08 6583 7 1 301 523 4218 2225 4190.046 4088.504  
## 2981 1.75e+08 6584 7 1 258 474 4175 2176 4147.515 4137.462  
## 2982 1.75e+08 6585 7 1 316 505 4233 2207 4204.763 4106.747  
## 2983 1.75e+08 6585 7 0 185 549 4102 2251 4074.190 4062.611  
## 2984 1.75e+08 6588 7 0 252 525 4169 2227 4141.395 4086.262  
## 2985 1.75e+08 6589 7 1 316 504 4233 2206 4205.045 4107.846  
## 2986 1.75e+08 6590 7 1 290 629 4207 2331 4179.006 3983.038  
## 2987 1.75e+08 6598 7 1 295 506 4212 2208 4184.067 4105.102  
## 2988 1.75e+08 6598 7 1 287 638 4204 2340 4175.998 3973.300  
## 2989 1.75e+08 6599 7 1 320 530 4237 2232 4209.018 4081.489  
## 2990 1.75e+08 6601 7 1 284 500 4201 2202 4173.083 4111.123  
## 2991 1.75e+08 6603 7 1 325 620 4242 2322 4213.678 3991.329  
## 2992 1.75e+08 6604 7 1 307 521 4224 2223 4196.038 4090.480  
## 2993 1.75e+08 6604 7 1 372 573 4289 2275 4260.526 4038.512  
## 2994 1.75e+08 6606 7 0 246 483 4163 2185 4135.426 4128.191  
## 2995 1.75e+08 6607 7 1 307 507 4224 2209 4196.052 4104.823  
## 2996 1.75e+08 6608 7 1 324 631 4241 2333 4212.685 3980.356  
## 2997 1.75e+08 6612 7 1 318 452 4235 2154 4207.464 4159.018  
## 2998 1.75e+08 6617 7 1 388 451 4305 2153 4277.373 4159.987  
## 2999 1.75e+08 6617 7 1 305 500 4222 2202 4194.070 4111.148  
## 3000 1.75e+08 6617 7 1 305 502 4222 2204 4194.069 4109.863  
## 3001 1.75e+08 6617 7 1 305 524 4222 2226 4194.056 4087.180  
## 3002 1.75e+08 6617 7 1 284 626 4201 2328 4172.650 3985.676  
## 3003 1.75e+08 6619 7 1 295 475 4212 2177 4184.105 4136.091  
## 3004 1.75e+08 6620 7 1 362 444 4279 2146 4250.682 4167.390  
## 3005 1.75e+08 6624 7 1 309 629 4226 2331 4198.390 3982.679  
## 3006 1.75e+08 6625 7 0 246 517 4163 2219 4135.160 4094.939  
## 3007 1.75e+08 6625 7 1 290 540 4207 2242 4179.086 4071.570  
## 3008 1.75e+08 6627 7 1 314 574 4231 2276 4203.417 4037.606  
## 3009 1.75e+08 6628 7 1 284 508 4201 2210 4173.119 4103.532  
## 3010 1.75e+08 6629 7 0 184 482 4101 2184 4073.663 4129.163  
## 3011 1.75e+08 6632 7 1 326 624 4243 2326 4215.377 3988.054  
## 3012 1.75e+08 6634 7 1 290 490 4207 2192 4179.472 4121.512  
## 3013 1.75e+08 6635 7 0 238 516 4155 2218 4126.758 4095.159  
## 3014 1.75e+08 6636 7 1 305 391 4222 2093 4194.545 4220.752  
## 3015 1.75e+08 6640 7 1 383 556 4300 2258 4271.957 4055.539  
## 3016 1.75e+08 6641 7 1 297 462 4214 2164 4185.747 4149.464  
## 3017 1.75e+08 6641 7 1 275 485 4192 2187 4164.538 4126.116  
## 3018 1.75e+08 6644 7 1 330 443 4247 2145 4219.475 4168.793  
## 3019 1.75e+08 6644 7 1 300 493 4217 2195 4189.377 4118.770  
## 3020 1.75e+08 6644 7 0 244 505 4161 2207 4133.173 4106.547  
## 3021 1.75e+08 6649 7 1 298 514 4215 2216 4187.085 4097.885  
## 3022 1.75e+08 6651 7 1 274 457 4191 2159 4162.806 4154.458  
## 3023 1.75e+08 6652 7 1 331 450 4248 2152 4220.074 4161.047  
## 3024 1.75e+08 6652 7 0 242 498 4159 2200 4131.167 4113.170  
## 3025 1.75e+08 6653 7 1 309 510 4226 2212 4197.677 4101.901  
## 3026 1.75e+08 6654 7 1 296 503 4213 2205 4185.090 4108.166  
## 3027 1.75e+08 6654 7 1 315 506 4232 2208 4203.786 4105.227  
## 3028 1.75e+08 6655 7 1 296 503 4213 2205 4185.092 4108.158  
## 3029 1.75e+08 6656 7 1 345 475 4262 2177 4233.768 4136.169  
## 3030 1.75e+08 6661 7 1 378 551 4295 2253 4266.947 4060.524  
## 3031 1.75e+08 6668 7 0 237 501 4154 2203 4125.807 4110.540  
## 3032 1.75e+08 6672 7 1 299 481 4216 2183 4187.723 4130.478  
## 3033 1.75e+08 6673 7 1 290 502 4207 2204 4179.102 4109.167  
## 3034 1.75e+08 6675 7 1 349 445 4266 2147 4238.333 4166.119  
## 3035 1.75e+08 6675 7 1 284 498 4201 2200 4173.116 4113.883  
## 3036 1.75e+08 6675 7 1 290 503 4207 2205 4178.762 4108.509  
## 3037 1.75e+08 6675 7 0 251 514 4168 2216 4140.515 4097.546  
## 3038 1.75e+08 6680 7 1 397 475 4314 2177 4285.976 4136.405  
## 3039 1.75e+08 6680 7 1 296 508 4213 2210 4184.822 4103.782  
## 3040 1.75e+08 6681 7 1 281 503 4198 2205 4169.845 4108.241  
## 3041 1.75e+08 6681 7 1 329 519 4246 2221 4218.042 4092.505  
## 3042 1.75e+08 6682 7 1 275 486 4192 2188 4164.405 4125.221  
## 3043 1.75e+08 6686 7 1 328 468 4245 2170 4216.685 4143.429  
## 3044 1.75e+08 6686 7 1 272 498 4189 2200 4161.126 4113.123  
## 3045 1.75e+08 6686 7 1 286 505 4203 2207 4175.102 4106.504  
## 3046 1.75e+08 6688 7 1 300 499 4217 2201 4189.364 4112.206  
## 3047 1.75e+08 6691 7 0 230 505 4147 2207 4119.449 4106.807  
## 3048 1.75e+08 6696 7 1 261 487 4178 2189 4149.798 4124.492  
## 3049 1.75e+08 6697 7 1 283 510 4200 2212 4172.373 4101.237  
## 3050 1.75e+08 6697 7 1 271 519 4188 2221 4160.108 4092.183  
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## 3052 1.75e+08 6707 7 1 285 524 4202 2226 4173.817 4087.260  
## 3053 1.75e+08 6708 7 1 272 498 4189 2200 4160.778 4113.501  
## 3054 1.75e+08 6709 7 0 180 555 4097 2257 4069.210 4057.010  
## 3055 1.75e+08 6713 7 0 224 513 4141 2215 4112.790 4098.542  
## 3056 1.75e+08 6713 7 1 286 518 4203 2220 4175.081 4093.166  
## 3057 1.75e+08 6716 7 1 271 397 4188 2099 4160.559 4214.351  
## 3058 1.75e+08 6717 7 1 367 517 4284 2219 4255.979 4094.457  
## 3059 1.75e+08 6724 7 1 278 520 4195 2222 4166.723 4091.903  
## 3060 1.75e+08 6727 7 1 302 471 4219 2173 4191.108 4140.808  
## 3061 1.75e+08 6727 7 0 250 519 4167 2221 4139.541 4092.133  
## 3062 1.75e+08 6727 7 1 277 520 4194 2222 4166.458 4091.509  
## 3063 1.75e+08 6738 7 0 201 564 4118 2266 4089.800 4047.601  
## 3064 1.75e+08 6739 7 1 276 526 4193 2228 4164.714 4085.505  
## 3065 1.75e+08 6739 7 1 277 545 4194 2247 4166.085 4066.176  
## 3066 1.75e+08 6743 7 1 285 503 4202 2205 4174.094 4108.087  
## 3067 1.75e+08 6745 7 1 264 510 4181 2212 4153.116 4101.487  
## 3068 1.75e+08 6747 7 1 273 507 4190 2209 4161.716 4104.088  
## 3069 1.75e+08 6747 7 1 274 529 4191 2231 4163.090 4082.506  
## 3070 1.75e+08 6749 7 0 207 444 4124 2146 4096.232 4167.803  
## 3071 1.75e+08 6752 7 1 298 549 4215 2251 4187.436 4062.114  
## 3072 1.75e+08 6754 7 1 275 530 4192 2232 4163.744 4081.491  
## 3073 1.75e+08 6755 7 1 275 531 4192 2233 4163.723 4080.492  
## 3074 1.75e+08 6756 7 1 276 532 4193 2234 4165.094 4079.151  
## 3075 1.75e+08 6759 7 1 280 544 4197 2246 4168.695 4067.111  
## 3076 1.75e+08 6760 7 1 275 533 4192 2235 4164.100 4078.847  
## 3077 1.75e+08 6762 7 1 278 536 4195 2238 4167.488 4075.885  
## 3078 1.75e+08 6762 7 1 311 546 4228 2248 4200.428 4065.489  
## 3079 1.75e+08 6763 7 0 165 502 4082 2204 4054.271 4109.157  
## 3080 1.75e+08 6765 7 1 375 493 4292 2195 4264.370 4118.760  
## 3081 1.75e+08 6767 7 0 239 422 4156 2124 4128.214 4189.358  
## 3082 1.75e+08 6767 7 1 376 555 4293 2257 4264.948 4056.843  
## 3083 1.75e+08 6770 7 1 325 618 4242 2320 4213.971 3993.931  
## 3084 1.75e+08 6771 7 1 287 540 4204 2242 4176.343 4071.190  
## 3085 1.75e+08 6772 7 1 274 489 4191 2191 4163.111 4122.401  
## 3086 1.75e+08 6773 7 1 359 569 4276 2271 4247.944 4042.454  
## 3087 1.75e+08 6777 7 0 168 488 4085 2190 4056.823 4123.018  
## 3088 1.75e+08 6777 7 1 285 511 4202 2213 4174.426 4100.404  
## 3089 1.75e+08 6778 7 1 276 536 4193 2238 4165.484 4075.854  
## 3090 1.75e+08 6778 7 1 302 631 4219 2333 4191.252 3980.279  
## 3091 1.75e+08 6782 7 1 285 512 4202 2214 4174.066 4099.396  
## 3092 1.75e+08 6783 7 1 272 520 4189 2222 4161.079 4091.417  
## 3093 1.75e+08 6783 7 0 194 565 4111 2267 4083.158 4046.525  
## 3094 1.75e+08 6783 7 1 360 585 4277 2287 4248.647 4026.727  
## 3095 1.75e+08 6784 7 0 254 524 4171 2226 4143.100 4087.075  
## 3096 1.75e+08 6784 7 1 294 573 4211 2275 4182.627 4038.868  
## 3097 1.75e+08 6784 7 0 235 581 4152 2283 4124.093 4030.893  
## 3098 1.75e+08 6785 7 0 219 506 4136 2208 4108.158 4105.432  
## 3099 1.75e+08 6786 7 1 289 538 4206 2240 4177.768 4073.708  
## 3100 1.75e+08 6787 7 0 241 546 4158 2248 4129.705 4065.871  
## 3101 1.75e+08 6794 7 1 320 442 4237 2144 4209.325 4169.009  
## 3102 1.75e+08 6795 7 1 263 570 4180 2272 4151.686 4041.498  
## 3103 1.75e+08 6799 7 1 274 468 4191 2170 4163.469 4143.353  
## 3104 1.75e+08 6799 7 1 277 487 4194 2189 4166.073 4124.377  
## 3105 1.75e+08 6800 7 0 216 518 4133 2220 4105.138 4093.836  
## 3106 1.75e+08 6804 7 1 291 509 4208 2211 4180.436 4102.011  
## 3107 1.75e+08 6807 7 1 334 572 4251 2274 4222.950 4039.836  
## 3108 1.75e+08 6810 7 1 270 526 4187 2228 4159.072 4085.439  
## 3109 1.75e+08 6811 7 1 370 521 4287 2223 4258.939 4089.994  
## 3110 1.75e+08 6813 7 1 261 468 4178 2170 4149.737 4142.987  
## 3111 1.75e+08 6813 7 1 278 476 4195 2178 4166.816 4135.095  
## 3112 1.75e+08 6815 7 1 298 535 4215 2237 4186.639 4076.443  
## 3113 1.75e+08 6816 7 1 292 532 4209 2234 4181.029 4079.797  
## 3114 1.75e+08 6816 7 1 280 576 4197 2278 4169.019 4035.512  
## 3115 1.75e+08 6822 7 1 279 533 4196 2235 4168.048 4078.466  
## 3116 1.75e+08 6823 7 0 211 470 4128 2172 4099.906 4141.693  
## 3117 1.75e+08 6831 7 0 235 521 4152 2223 4124.391 4090.185  
## 3118 1.75e+08 6834 7 1 294 538 4211 2240 4183.301 4073.174  
## 3119 1.75e+08 6836 7 0 230 448 4147 2150 4119.170 4163.737  
## 3120 1.75e+08 6836 7 1 293 521 4210 2223 4181.652 4090.809  
## 3121 1.75e+08 6841 7 1 375 569 4292 2271 4263.901 4042.436  
## 3122 1.75e+08 6843 7 1 294 518 4211 2220 4182.769 4093.687  
## 3123 1.75e+08 6844 7 1 338 479 4255 2181 4226.622 4132.334  
## 3124 1.75e+08 6845 7 1 303 493 4220 2195 4191.690 4118.373  
## 3125 1.75e+08 6847 7 0 252 523 4169 2225 4141.099 4088.445  
## 3126 1.75e+08 6847 7 1 381 544 4298 2246 4269.910 4067.022  
## 3127 1.75e+08 6853 7 1 286 478 4203 2180 4175.077 4133.371  
## 3128 1.75e+08 6854 7 1 305 490 4222 2192 4194.044 4121.374  
## 3129 1.75e+08 6855 7 1 348 433 4265 2135 4237.403 4178.652  
## 3130 1.75e+08 6855 7 1 298 512 4215 2214 4186.663 4099.406  
## 3131 1.75e+08 6856 7 1 270 446 4187 2148 4159.117 4164.986  
## 3132 1.75e+08 6857 7 1 379 563 4296 2265 4267.898 4048.802  
## 3133 1.75e+08 6859 7 1 276 490 4193 2192 4164.710 4121.387  
## 3134 1.75e+08 6860 7 0 214 570 4131 2272 4102.769 4041.531  
## 3135 1.75e+08 6863 7 0 255 404 4172 2106 4144.165 4207.626  
## 3136 1.75e+08 6864 7 1 290 491 4207 2193 4178.670 4119.986  
## 3137 1.75e+08 6864 7 1 382 560 4299 2262 4270.896 4051.419  
## 3138 1.75e+08 6865 7 1 380 485 4297 2187 4269.332 4126.707  
## 3139 1.75e+08 6866 7 1 309 485 4226 2187 4198.039 4126.703  
## 3140 1.75e+08 6866 7 1 354 570 4271 2272 4242.655 4041.178  
## 3141 1.75e+08 6867 7 1 287 503 4204 2205 4176.058 4108.399  
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## 3143 1.75e+08 6871 7 1 404 470 4321 2172 4293.297 4141.296  
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## 3147 1.75e+08 6877 7 1 300 460 4217 2162 4188.680 4150.953  
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## 3153 1.75e+08 6887 7 1 318 509 4235 2211 4206.632 4102.023  
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## 3163 1.75e+08 6896 7 0 233 420 4150 2122 4122.587 4191.720  
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## 3176 1.75e+08 6918 7 1 288 485 4205 2187 4177.053 4126.066  
## 3177 1.75e+08 6918 7 1 308 505 4225 2207 4197.403 4106.851  
## 3178 1.75e+08 6918 7 0 217 593 4134 2295 4106.468 4018.255  
## 3179 1.75e+08 6920 7 1 320 512 4237 2214 4208.572 4099.887  
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## 3182 1.75e+08 6939 7 1 387 569 4304 2271 4276.242 4042.115  
## 3183 1.75e+08 6943 7 1 295 510 4212 2212 4184.021 4101.123  
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## 3188 1.75e+08 6955 7 1 292 501 4209 2203 4180.645 4110.855  
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## 3193 1.75e+08 6965 7 0 249 594 4166 2296 4138.381 4017.620  
## 3194 1.75e+08 6968 7 1 261 418 4178 2120 4150.122 4193.747  
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## 3201 1.75e+08 6976 7 1 275 524 4192 2226 4164.058 4087.506  
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## 3208 1.75e+08 6999 7 1 280 517 4197 2219 4168.719 4094.503  
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## 3210 1.75e+08 7002 7 1 295 526 4212 2228 4184.051 4085.124  
## 3211 1.75e+08 7004 7 1 294 548 4211 2250 4182.695 4063.539  
## 3212 1.75e+08 7008 7 1 278 502 4195 2204 4167.364 4109.220  
## 3213 1.75e+08 7009 7 1 301 492 4218 2194 4190.066 4119.085  
## 3214 1.75e+08 7009 7 1 296 513 4213 2215 4185.061 4098.498  
## 3215 1.75e+08 7009 7 1 287 535 4204 2237 4176.451 4076.142  
## 3216 1.75e+08 7016 7 1 289 548 4206 2250 4178.043 4063.548  
## 3217 1.75e+08 7016 7 1 369 586 4286 2288 4257.569 4025.553  
## 3218 1.75e+08 7018 7 1 286 544 4203 2246 4175.409 4067.544  
## 3219 1.75e+08 7019 7 1 323 493 4240 2195 4211.636 4118.839  
## 3220 1.75e+08 7020 7 1 273 517 4190 2219 4161.722 4094.515  
## 3221 1.75e+08 7020 7 1 333 618 4250 2320 4222.361 3994.044  
## 3222 1.75e+08 7021 7 1 274 513 4191 2215 4162.730 4098.510  
## 3223 1.75e+08 7021 7 0 254 535 4171 2237 4142.814 4076.276  
## 3224 1.75e+08 7023 7 0 229 533 4146 2235 4117.847 4078.289  
## 3225 1.75e+08 7025 7 1 272 517 4189 2219 4160.698 4094.517  
## 3226 1.75e+08 7026 7 1 277 520 4194 2222 4166.067 4091.162  
## 3227 1.75e+08 7026 7 1 284 535 4201 2237 4172.662 4076.920  
## 3228 1.75e+08 7029 7 0 228 533 4145 2235 4116.744 4078.944  
## 3229 1.75e+08 7033 7 1 283 553 4200 2255 4172.041 4058.181  
## 3230 1.75e+08 7034 7 1 290 536 4207 2238 4178.700 4075.519  
## 3231 1.75e+08 7034 7 0 236 540 4153 2242 4125.113 4071.214  
## 3232 1.75e+08 7037 7 0 212 530 4129 2232 4100.761 4081.945  
## 3233 1.75e+08 7039 7 1 286 473 4203 2175 4175.341 4138.167  
## 3234 1.75e+08 7041 7 1 261 513 4178 2215 4150.072 4098.887  
## 3235 1.75e+08 7044 7 0 236 490 4153 2192 4125.481 4121.498  
## 3236 1.75e+08 7044 7 1 361 581 4278 2283 4250.154 4030.819  
## 3237 1.75e+08 7045 7 1 268 533 4185 2235 4157.033 4078.193  
## 3238 1.75e+08 7046 7 0 185 476 4102 2178 4074.448 4135.235  
## 3239 1.75e+08 7046 7 1 286 535 4203 2237 4175.348 4076.529  
## 3240 1.75e+08 7047 7 0 245 542 4162 2244 4134.428 4069.945  
## 3241 1.75e+08 7051 7 1 290 534 4207 2236 4179.249 4077.255  
## 3242 1.75e+08 7052 7 1 262 570 4179 2272 4150.985 4041.602  
## 3243 1.75e+08 7056 7 1 284 503 4201 2205 4173.346 4108.507  
## 3244 1.75e+08 7058 7 1 273 538 4190 2240 4162.227 4073.282  
## 3245 1.75e+08 7062 7 1 269 535 4186 2237 4158.318 4076.544  
## 3246 1.75e+08 7065 7 1 283 498 4200 2200 4171.670 4113.210  
## 3247 1.75e+08 7065 7 1 270 533 4187 2235 4159.282 4078.537  
## 3248 1.75e+08 7069 7 1 334 550 4251 2252 4222.848 4061.909  
## 3249 1.75e+08 7070 7 1 261 464 4178 2166 4150.001 4147.456  
## 3250 1.75e+08 7070 7 1 284 496 4201 2198 4172.570 4115.486  
## 3251 1.75e+08 7071 7 0 220 518 4137 2220 4109.378 4093.554  
## 3252 1.75e+08 7073 7 1 284 497 4201 2199 4173.304 4114.493  
## 3253 1.75e+08 7073 7 1 279 533 4196 2235 4168.315 4078.545  
## 3254 1.75e+08 7083 7 1 263 497 4180 2199 4151.976 4114.165  
## 3255 1.75e+08 7086 7 1 291 530 4208 2232 4179.920 4081.874  
## 3256 1.75e+08 7088 7 1 263 496 4180 2198 4151.977 4115.500  
## 3257 1.75e+08 7089 7 1 265 494 4182 2196 4153.614 4117.496  
## 3258 1.75e+08 7091 7 1 268 511 4185 2213 4156.961 4100.516  
## 3259 1.75e+08 7098 7 0 220 508 4137 2210 4109.055 4103.911  
## 3260 1.75e+08 7099 7 1 265 490 4182 2192 4154.009 4121.163  
## 3261 1.75e+08 7099 7 1 261 537 4178 2239 4150.328 4074.576  
## 3262 1.75e+08 7100 7 1 263 491 4180 2193 4152.360 4120.512  
## 3263 1.75e+08 7101 7 1 262 490 4179 2192 4151.020 4121.164  
## 3264 1.75e+08 7103 7 0 197 585 4114 2287 4085.679 4027.066  
## 3265 1.75e+08 7105 7 1 285 484 4202 2186 4173.684 4127.817  
## 3266 1.75e+08 7106 7 1 265 488 4182 2190 4154.031 4123.168  
## 3267 1.75e+08 7107 7 0 218 596 4135 2298 4106.757 4015.962  
## 3268 1.75e+08 7109 7 1 273 504 4190 2206 4162.010 4107.527  
## 3269 1.75e+08 7110 7 1 310 414 4227 2116 4198.628 4197.765  
## 3270 1.75e+08 7117 7 1 291 510 4208 2212 4179.625 4101.529  
## 3271 1.75e+08 7120 7 1 272 482 4189 2184 4161.021 4129.879  
## 3272 1.75e+08 7127 7 0 254 549 4171 2251 4143.406 4062.220  
## 3273 1.75e+08 7128 7 1 272 489 4189 2191 4161.039 4122.166  
## 3274 1.75e+08 7130 7 1 330 432 4247 2134 4219.380 4179.398  
## 3275 1.75e+08 7131 7 1 260 481 4177 2183 4149.070 4130.167  
## 3276 1.75e+08 7133 7 0 181 487 4098 2189 4070.184 4124.573  
## 3277 1.75e+08 7133 7 1 303 510 4220 2212 4192.004 4101.532  
## 3278 1.75e+08 7135 7 1 292 478 4209 2180 4181.046 4133.148  
## 3279 1.75e+08 7137 7 1 320 511 4237 2213 4208.997 4100.541  
## 3280 1.75e+08 7143 7 1 292 508 4209 2210 4181.052 4103.577  
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## 3282 1.75e+08 7147 7 1 324 496 4241 2198 4213.306 4115.809  
## 3283 1.75e+08 7148 7 1 329 612 4246 2314 4218.344 3999.306  
## 3284 1.75e+08 7150 7 1 280 498 4197 2200 4169.098 4113.561  
## 3285 1.75e+08 7150 7 1 287 505 4204 2207 4175.742 4106.567  
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## 3291 1.75e+08 7152 7 0 205 519 4122 2221 4093.814 4092.633  
## 3292 1.75e+08 7154 7 1 258 503 4175 2205 4146.736 4108.189  
## 3293 1.75e+08 7155 7 1 276 491 4193 2193 4165.107 4120.932  
## 3294 1.75e+08 7156 7 0 234 504 4151 2206 4123.155 4107.216  
## 3295 1.75e+08 7159 7 1 385 505 4302 2207 4273.942 4106.122  
## 3296 1.75e+08 7159 7 1 293 522 4210 2224 4182.418 4089.578  
## 3297 1.75e+08 7160 7 1 290 516 4207 2218 4179.064 4095.229  
## 3298 1.75e+08 7161 7 0 216 439 4133 2141 4105.208 4172.888  
## 3299 1.75e+08 7162 7 1 279 490 4196 2192 4168.087 4121.198  
## 3300 1.75e+08 7163 7 1 336 460 4253 2162 4225.028 4151.462  
## 3301 1.75e+08 7163 7 1 274 500 4191 2202 4163.089 4111.896  
## 3302 1.75e+08 7163 7 1 291 500 4208 2202 4180.433 4111.543  
## 3303 1.75e+08 7172 7 1 301 516 4218 2218 4190.348 4095.860  
## 3304 1.75e+08 7173 7 1 284 496 4201 2198 4172.667 4115.910  
## 3305 1.75e+08 7174 7 1 307 518 4224 2220 4195.624 4093.141  
## 3306 1.75e+08 7176 7 1 293 509 4210 2211 4182.040 4102.529  
## 3307 1.75e+08 7177 7 0 208 475 4125 2177 4097.177 4136.532  
## 3308 1.75e+08 7179 7 1 382 520 4299 2222 4270.916 4091.147  
## 3309 1.75e+08 7180 7 1 296 516 4213 2218 4185.035 4095.184  
## 3310 1.75e+08 7184 7 1 281 554 4198 2256 4170.410 4057.990  
## 3311 1.75e+08 7186 7 1 286 500 4203 2202 4175.053 4111.532  
## 3312 1.75e+08 7187 7 1 297 510 4214 2212 4186.031 4101.881  
## 3313 1.75e+08 7188 7 1 335 511 4252 2213 4223.978 4100.518  
## 3314 1.75e+08 7188 7 1 385 569 4302 2271 4273.876 4042.945  
## 3315 1.75e+08 7192 7 1 288 502 4205 2204 4176.716 4109.213  
## 3316 1.75e+08 7193 7 1 300 520 4217 2222 4189.011 4091.935  
## 3317 1.75e+08 7194 7 1 352 505 4269 2207 4240.946 4106.162  
## 3318 1.75e+08 7196 7 0 201 517 4118 2219 4090.142 4094.990  
## 3319 1.75e+08 7200 7 1 302 523 4219 2225 4191.351 4088.559  
## 3320 1.75e+08 7203 7 0 242 454 4159 2156 4131.119 4157.880  
## 3321 1.75e+08 7203 7 1 302 525 4219 2227 4190.995 4086.560  
## 3322 1.75e+08 7206 7 1 397 568 4314 2270 4286.214 4043.942  
## 3323 1.75e+08 7212 7 1 304 528 4221 2230 4193.325 4083.551  
## 3324 1.75e+08 7214 7 1 266 559 4183 2261 4155.008 4052.618  
## 3325 1.75e+08 7215 7 1 311 505 4228 2207 4200.324 4106.519  
## 3326 1.75e+08 7216 7 0 192 529 4109 2231 4081.125 4082.251  
## 3327 1.75e+08 7218 7 1 292 529 4209 2231 4181.365 4082.562  
## 3328 1.75e+08 7220 7 1 399 466 4316 2168 4288.301 4145.826  
## 3329 1.75e+08 7221 7 1 314 509 4231 2211 4203.358 4102.520  
## 3330 1.75e+08 7221 7 1 307 518 4224 2220 4195.983 4093.892  
## 3331 1.75e+08 7222 7 0 249 529 4166 2231 4138.399 4082.586  
## 3332 1.75e+08 7225 7 1 314 510 4231 2212 4202.980 4101.514  
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## 3338 1.75e+08 7234 7 1 297 517 4214 2219 4185.995 4094.533  
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## 3350 1.75e+08 7247 7 1 296 517 4213 2219 4184.727 4094.284  
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## 3353 1.75e+08 7254 7 1 301 528 4218 2230 4189.981 4083.949  
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## 3355 1.75e+08 7257 7 1 308 534 4225 2236 4196.586 4077.566  
## 3356 1.75e+08 7258 7 1 278 552 4195 2254 4166.633 4059.607  
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## 3358 1.75e+08 7260 7 0 225 561 4142 2263 4114.067 4051.021  
## 3359 1.75e+08 7271 7 1 293 515 4210 2217 4182.006 4096.905  
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## 3362 1.75e+08 7280 7 1 298 530 4215 2232 4186.670 4081.236  
## 3363 1.75e+08 7285 7 0 235 542 4152 2244 4124.086 4069.992  
## 3364 1.75e+08 7286 7 1 258 534 4175 2236 4147.448 4077.976  
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## 3367 1.75e+08 7290 7 1 291 611 4208 2313 4180.349 4000.290  
## 3368 1.75e+08 7293 7 1 321 493 4238 2195 4209.988 4118.136  
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## 3370 1.75e+08 7298 7 1 291 522 4208 2224 4180.367 4089.561  
## 3371 1.75e+08 7300 7 1 266 623 4183 2325 4154.989 3988.334  
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## 3373 1.75e+08 7302 7 1 327 532 4244 2234 4215.642 4079.876  
## 3374 1.75e+08 7303 7 1 347 473 4264 2175 4235.970 4138.111  
## 3375 1.75e+08 7304 7 1 279 516 4196 2218 4168.379 4095.560  
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## 3377 1.75e+08 7309 7 1 297 518 4214 2220 4186.003 4093.904  
## 3378 1.75e+08 7309 7 1 380 567 4297 2269 4269.208 4044.570  
## 3379 1.75e+08 7310 7 1 298 504 4215 2206 4187.007 4107.177  
## 3380 1.75e+08 7316 7 1 283 496 4200 2198 4172.023 4115.528  
## 3381 1.75e+08 7316 7 0 211 498 4128 2200 4100.504 4113.188  
## 3382 1.75e+08 7316 7 1 299 527 4216 2229 4187.982 4084.211  
## 3383 1.75e+08 7318 7 1 302 518 4219 2220 4190.990 4093.547  
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## 3386 1.75e+08 7324 7 1 293 499 4210 2201 4182.027 4112.167  
## 3387 1.75e+08 7324 7 1 339 554 4256 2256 4227.516 4057.986  
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## 3391 1.75e+08 7331 7 0 254 431 4171 2133 4142.868 4180.190  
## 3392 1.75e+08 7331 7 1 290 518 4207 2220 4179.039 4093.558  
## 3393 1.75e+08 7332 7 1 300 511 4217 2213 4189.028 4100.199  
## 3394 1.75e+08 7333 7 1 269 488 4186 2190 4158.407 4123.856  
## 3395 1.75e+08 7335 7 1 297 484 4214 2186 4185.702 4127.514  
## 3396 1.75e+08 7336 7 1 298 540 4215 2242 4187.348 4071.590  
## 3397 1.75e+08 7340 7 1 280 402 4197 2104 4169.492 4209.024  
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## 3403 1.75e+08 7353 7 0 246 515 4163 2217 4135.090 4096.902  
## 3404 1.75e+08 7356 7 1 291 479 4208 2181 4180.037 4132.100  
## 3405 1.75e+08 7360 7 1 286 546 4203 2248 4174.995 4065.936  
## 3406 1.75e+08 7362 7 1 270 485 4187 2187 4158.665 4126.101  
## 3407 1.75e+08 7363 7 1 285 516 4202 2218 4174.016 4095.524  
## 3408 1.75e+08 7365 7 0 225 501 4142 2203 4114.496 4110.152  
## 3409 1.75e+08 7365 7 1 285 517 4202 2219 4174.015 4094.908  
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## 3411 1.75e+08 7366 7 1 289 481 4206 2183 4178.349 4130.798  
## 3412 1.75e+08 7368 7 1 316 511 4233 2213 4204.969 4100.509  
## 3413 1.75e+08 7369 7 1 288 479 4205 2181 4177.024 4132.111  
## 3414 1.75e+08 7372 7 0 223 501 4140 2203 4112.100 4110.215  
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## 3416 1.75e+08 7374 7 1 304 447 4221 2149 4193.019 4164.056  
## 3417 1.75e+08 7378 7 1 279 515 4196 2217 4167.694 4096.859  
## 3418 1.75e+08 7379 7 1 287 480 4204 2182 4175.646 4131.487  
## 3419 1.75e+08 7383 7 1 265 487 4182 2189 4153.674 4124.894  
## 3420 1.75e+08 7385 7 1 304 605 4221 2307 4193.305 4006.643  
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## 3422 1.75e+08 7388 7 1 276 515 4193 2217 4165.414 4096.141  
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## 3431 1.75e+08 7398 7 0 247 544 4164 2246 4136.412 4067.573  
## 3432 1.75e+08 7401 7 0 158 459 4075 2161 4047.584 4152.893  
## 3433 1.75e+08 7401 7 1 295 494 4212 2196 4183.621 4117.471  
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## 3452 1.75e+08 7425 7 0 225 625 4142 2327 4114.002 3986.708  
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## 3476 1.75e+08 7466 7 1 271 517 4188 2219 4160.300 4094.802  
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## 3481 1.75e+08 7473 7 1 263 514 4180 2216 4151.662 4097.923  
## 3482 1.75e+08 7475 7 1 273 534 4190 2236 4162.032 4077.188  
## 3483 1.75e+08 7477 7 1 370 571 4287 2273 4258.876 4040.552  
## 3484 1.75e+08 7480 7 0 232 534 4149 2236 4120.682 4077.194  
## 3485 1.75e+08 7481 7 1 344 495 4261 2197 4232.944 4116.469  
## 3486 1.75e+08 7481 7 0 251 506 4168 2208 4140.065 4105.540  
## 3487 1.75e+08 7482 7 1 266 540 4183 2242 4154.661 4071.577  
## 3488 1.75e+08 7484 7 1 391 528 4308 2230 4280.253 4083.879  
## 3489 1.75e+08 7486 7 1 371 585 4288 2287 4259.855 4026.962  
## 3490 1.75e+08 7488 7 1 293 548 4210 2250 4181.984 4063.968  
## 3491 1.75e+08 7489 7 1 374 584 4291 2286 4262.852 4027.587  
## 3492 1.75e+08 7491 7 1 310 621 4227 2323 4198.531 3990.295  
## 3493 1.75e+08 7497 7 1 373 590 4290 2292 4261.832 4021.580  
## 3494 1.75e+08 7499 7 1 306 539 4223 2241 4194.953 4072.196  
## 3495 1.75e+08 7499 7 1 330 597 4247 2299 4218.886 4014.999  
## 3496 1.75e+08 7501 7 1 309 413 4226 2115 4197.678 4198.381  
## 3497 1.75e+08 7502 7 0 200 611 4117 2313 4088.672 4000.330  
## 3498 1.75e+08 7503 7 1 397 523 4314 2225 4286.124 4088.759  
## 3499 1.75e+08 7506 7 1 262 630 4179 2332 4150.640 3981.713  
## 3500 1.75e+08 7512 7 1 291 549 4208 2251 4179.989 4062.188  
## 3501 1.75e+08 7516 7 0 253 420 4170 2122 4141.728 4191.788  
## 3502 1.75e+08 7516 7 1 301 528 4218 2230 4189.983 4083.137  
## 3503 1.75e+08 7516 7 0 195 529 4112 2231 4083.856 4082.315  
## 3504 1.75e+08 7517 7 1 359 497 4276 2199 4247.574 4114.446  
## 3505 1.75e+08 7519 7 1 287 509 4204 2211 4176.406 4102.115  
## 3506 1.75e+08 7520 7 0 188 535 4105 2237 4076.783 4076.952  
## 3507 1.75e+08 7522 7 1 271 505 4188 2207 4159.769 4106.783  
## 3508 1.75e+08 7523 7 1 258 533 4175 2235 4146.660 4078.559  
## 3509 1.75e+08 7525 7 1 287 405 4204 2107 4176.461 4205.984  
## 3510 1.75e+08 7525 7 1 309 529 4226 2231 4197.613 4082.524  
## 3511 1.75e+08 7531 7 1 295 522 4212 2224 4183.712 4089.792  
## 3512 1.75e+08 7532 7 1 332 490 4249 2192 4221.234 4121.171  
## 3513 1.75e+08 7533 7 1 389 454 4306 2156 4277.630 4157.095  
## 3514 1.75e+08 7533 7 1 382 530 4299 2232 4270.482 4081.475  
## 3515 1.75e+08 7534 7 1 311 498 4228 2200 4200.396 4113.888  
## 3516 1.75e+08 7539 7 1 307 561 4224 2263 4195.949 4050.559  
## 3517 1.75e+08 7540 7 1 325 495 4242 2197 4213.965 4116.459  
## 3518 1.75e+08 7542 7 1 361 442 4278 2144 4249.611 4169.033  
## 3519 1.75e+08 7544 7 1 293 529 4210 2231 4181.986 4082.525  
## 3520 1.75e+08 7545 7 1 313 520 4230 2222 4201.575 4091.891  
## 3521 1.75e+08 7551 7 1 282 535 4199 2237 4171.001 4076.161  
## 3522 1.75e+08 7555 7 1 328 490 4245 2192 4216.967 4121.446  
## 3523 1.75e+08 7560 7 1 355 464 4272 2166 4243.951 4147.015  
## 3524 1.75e+08 7560 7 1 321 530 4238 2232 4209.958 4081.506  
## 3525 1.75e+08 7563 7 0 251 539 4168 2241 4140.052 4072.184  
## 3526 1.75e+08 7564 7 1 296 491 4213 2193 4184.739 4120.191  
## 3527 1.75e+08 7564 7 1 382 502 4299 2204 4270.894 4109.778  
## 3528 1.75e+08 7565 7 0 205 470 4122 2172 4093.774 4141.497  
## 3529 1.75e+08 7566 7 0 194 568 4111 2270 4083.388 4043.362  
## 3530 1.75e+08 7567 7 1 320 514 4237 2216 4208.971 4097.113  
## 3531 1.75e+08 7568 7 1 310 492 4227 2194 4198.607 4119.855  
## 3532 1.75e+08 7569 7 1 383 500 4300 2202 4271.503 4111.044  
## 3533 1.75e+08 7572 7 0 252 505 4169 2207 4141.069 4106.859  
## 3534 1.75e+08 7574 7 1 308 505 4225 2207 4196.647 4106.480  
## 3535 1.75e+08 7574 7 1 388 536 4305 2238 4277.248 4075.861  
## 3536 1.75e+08 7575 7 1 311 506 4228 2208 4199.983 4105.104  
## 3537 1.75e+08 7576 7 1 344 513 4261 2215 4232.520 4098.053  
## 3538 1.75e+08 7577 7 1 296 517 4213 2219 4184.997 4094.499  
## 3539 1.75e+08 7578 7 1 379 506 4296 2208 4267.504 4105.051  
## 3540 1.75e+08 7579 7 1 269 551 4186 2253 4158.013 4060.565  
## 3541 1.75e+08 7580 7 1 282 529 4199 2231 4171.286 4082.802  
## 3542 1.75e+08 7582 7 0 220 537 4137 2239 4108.704 4074.190  
## 3543 1.75e+08 7586 7 0 226 570 4143 2272 4115.407 4041.619  
## 3544 1.75e+08 7587 7 0 205 580 4122 2282 4094.417 4031.644  
## 3545 1.75e+08 7588 7 0 233 490 4150 2192 4122.466 4121.502  
## 3546 1.75e+08 7589 7 0 200 455 4117 2157 4089.428 4156.748  
## 3547 1.75e+08 7589 7 0 214 522 4131 2224 4103.095 4089.175  
## 3548 1.75e+08 7590 7 1 304 458 4221 2160 4193.013 4153.796  
## 3549 1.75e+08 7590 7 1 383 567 4300 2269 4272.111 4044.248  
## 3550 1.75e+08 7591 7 1 279 438 4196 2140 4167.679 4173.788  
## 3551 1.75e+08 7591 7 1 307 502 4224 2204 4196.373 4109.087  
## 3552 1.75e+08 7596 7 1 306 502 4223 2204 4195.256 4109.209  
## 3553 1.75e+08 7596 7 1 309 536 4226 2238 4197.960 4075.527  
## 3554 1.75e+08 7598 7 0 228 510 4145 2212 4117.084 4101.159  
## 3555 1.75e+08 7599 7 1 307 491 4224 2193 4195.988 4120.807  
## 3556 1.75e+08 7603 7 1 311 512 4228 2214 4200.290 4099.162  
## 3557 1.75e+08 7604 7 1 362 552 4279 2254 4251.143 4059.777  
## 3558 1.75e+08 7606 7 0 242 449 4159 2151 4130.815 4162.713  
## 3559 1.75e+08 7606 7 0 250 502 4167 2204 4138.661 4109.893  
## 3560 1.75e+08 7606 7 1 338 509 4255 2211 4227.204 4102.182  
## 3561 1.75e+08 7606 7 1 363 548 4280 2250 4251.481 4063.111  
## 3562 1.75e+08 7607 7 0 200 490 4117 2192 4089.514 4121.900  
## 3563 1.75e+08 7609 7 1 349 441 4266 2143 4237.581 4170.358  
## 3564 1.75e+08 7609 7 0 220 487 4137 2189 4109.372 4124.771  
## 3565 1.75e+08 7610 7 1 293 486 4210 2188 4182.002 4125.092  
## 3566 1.75e+08 7613 7 1 283 485 4200 2187 4172.414 4126.477  
## 3567 1.75e+08 7614 7 1 317 501 4234 2203 4206.366 4110.868  
## 3568 1.75e+08 7615 7 0 180 484 4097 2186 4069.566 4127.931  
## 3569 1.75e+08 7615 7 1 289 498 4206 2200 4177.705 4113.181  
## 3570 1.75e+08 7615 7 1 380 575 4297 2277 4268.467 4036.165  
## 3571 1.75e+08 7623 7 1 311 527 4228 2229 4200.398 4084.927  
## 3572 1.75e+08 7624 7 1 299 463 4216 2165 4187.703 4148.469  
## 3573 1.75e+08 7625 7 1 326 493 4243 2195 4215.410 4118.496  
## 3574 1.75e+08 7625 7 1 301 507 4218 2209 4190.055 4104.895  
## 3575 1.75e+08 7626 7 1 287 536 4204 2238 4175.678 4075.581  
## 3576 1.75e+08 7627 7 1 308 485 4225 2187 4197.068 4126.860  
## 3577 1.75e+08 7631 7 1 287 493 4204 2195 4176.106 4118.169  
## 3578 1.75e+08 7632 7 1 280 431 4197 2133 4169.535 4180.458  
## 3579 1.75e+08 7635 7 1 314 507 4231 2209 4203.070 4104.158  
## 3580 1.75e+08 7639 7 1 305 515 4222 2217 4194.064 4096.197  
## 3581 1.75e+08 7639 7 1 381 519 4298 2221 4269.958 4092.511  
## 3582 1.75e+08 7641 7 1 298 514 4215 2216 4187.412 4097.550  
## 3583 1.75e+08 7643 7 1 334 500 4251 2202 4223.291 4111.238  
## 3584 1.75e+08 7643 7 1 297 514 4214 2216 4186.058 4097.555  
## 3585 1.75e+08 7644 7 1 321 518 4238 2220 4210.021 4093.204  
## 3586 1.75e+08 7644 7 1 285 526 4202 2228 4174.066 4085.581  
## 3587 1.75e+08 7645 7 1 376 566 4293 2268 4265.304 4045.581  
## 3588 1.75e+08 7646 7 1 329 523 4246 2225 4217.616 4088.158  
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## 3590 1.75e+08 7649 7 1 294 515 4211 2217 4183.058 4096.177  
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## 3592 1.75e+08 7653 7 1 266 522 4183 2224 4155.078 4089.199  
## 3593 1.75e+08 7659 7 1 261 498 4178 2200 4150.062 4113.540  
## 3594 1.75e+08 7664 7 1 297 502 4214 2204 4186.012 4109.883  
## 3595 1.75e+08 7665 7 1 300 521 4217 2223 4188.999 4090.204  
## 3596 1.75e+08 7666 7 1 296 501 4213 2203 4185.020 4110.523  
## 3597 1.75e+08 7670 7 0 219 544 4136 2246 4107.842 4067.352  
## 3598 1.75e+08 7671 7 0 203 535 4120 2237 4092.142 4076.239  
## 3599 1.75e+08 7675 7 1 327 473 4244 2175 4216.387 4138.081  
## 3600 1.75e+08 7675 7 1 285 537 4202 2239 4174.023 4074.576  
## 3601 1.75e+08 7676 7 1 272 527 4189 2229 4161.044 4084.193  
## 3602 1.75e+08 7684 7 1 271 541 4188 2243 4160.042 4070.220  
## 3603 1.75e+08 7685 7 1 260 510 4177 2212 4149.425 4101.555  
## 3604 1.75e+08 7686 7 1 282 532 4199 2234 4171.373 4079.571  
## 3605 1.75e+08 7687 7 0 165 548 4082 2250 4054.559 4063.662  
## 3606 1.75e+08 7690 7 1 290 509 4207 2211 4178.760 4102.802  
## 3607 1.75e+08 7691 7 1 278 547 4195 2249 4167.475 4065.038  
## 3608 1.75e+08 7696 7 1 268 516 4185 2218 4157.055 4095.543  
## 3609 1.75e+08 7699 7 1 286 509 4203 2211 4175.039 4102.517  
## 3610 1.75e+08 7704 7 0 154 500 4071 2202 4043.243 4111.232  
## 3611 1.75e+08 7704 7 1 313 532 4230 2234 4202.007 4079.867  
## 3612 1.75e+08 7704 7 0 242 652 4159 2354 4131.032 3960.077  
## 3613 1.75e+08 7706 7 1 271 526 4188 2228 4160.072 4085.899  
## 3614 1.75e+08 7706 7 1 278 535 4195 2237 4167.057 4076.554  
## 3615 1.75e+08 7707 7 1 360 586 4277 2288 4248.524 4025.966  
## 3616 1.75e+08 7708 7 1 269 528 4186 2230 4158.072 4083.553  
## 3617 1.75e+08 7708 7 0 236 539 4153 2241 4124.736 4072.588  
## 3618 1.75e+08 7715 7 1 288 568 4205 2270 4177.292 4043.880  
## 3619 1.75e+08 7716 7 1 269 565 4186 2267 4158.316 4046.887  
## 3620 1.75e+08 7717 7 1 269 534 4186 2236 4158.433 4077.570  
## 3621 1.75e+08 7720 7 1 311 492 4228 2194 4200.031 4119.487  
## 3622 1.75e+08 7720 7 1 308 511 4225 2213 4196.677 4100.515  
## 3623 1.75e+08 7720 7 1 348 591 4265 2293 4236.921 4020.600  
## 3624 1.75e+08 7721 7 1 264 545 4181 2247 4153.065 4066.966  
## 3625 1.75e+08 7723 7 1 276 534 4193 2236 4164.669 4077.180  
## 3626 1.75e+08 7724 7 1 260 550 4177 2252 4149.070 4061.599  
## 3627 1.75e+08 7726 7 1 354 490 4271 2192 4243.351 4121.459  
## 3628 1.75e+08 7726 7 1 276 534 4193 2236 4165.058 4077.565  
## 3629 1.75e+08 7727 7 1 277 588 4194 2290 4165.642 4024.023  
## 3630 1.75e+08 7728 7 1 323 571 4240 2273 4212.248 4040.868  
## 3631 1.75e+08 7735 7 1 263 513 4180 2215 4152.091 4098.885  
## 3632 1.75e+08 7739 7 1 324 552 4241 2254 4212.654 4059.556  
## 3633 1.75e+08 7741 7 1 260 559 4177 2261 4149.428 4052.603  
## 3634 1.75e+08 7742 7 1 277 551 4194 2253 4166.070 4060.932  
## 3635 1.75e+08 7743 7 0 158 583 4075 2285 4047.211 4028.354  
## 3636 1.75e+08 7747 7 0 253 529 4170 2231 4142.454 4082.564  
## 3637 1.75e+08 7749 7 0 216 571 4133 2273 4105.516 4040.265  
## 3638 1.75e+08 7751 7 0 186 577 4103 2279 4075.171 4034.304  
## 3639 1.75e+08 7751 7 0 215 599 4132 2301 4103.745 4012.694  
## 3640 1.75e+08 7754 7 1 271 518 4188 2220 4159.811 4093.279  
## 3641 1.75e+08 7755 7 0 200 498 4117 2200 4089.467 4113.838  
## 3642 1.75e+08 7755 7 0 246 505 4163 2207 4134.807 4106.872  
## 3643 1.75e+08 7756 7 0 211 589 4128 2291 4099.710 4022.270  
## 3644 1.75e+08 7758 7 0 253 504 4170 2206 4142.121 4107.938  
## 3645 1.75e+08 7759 7 1 275 523 4192 2225 4164.436 4088.568  
## 3646 1.75e+08 7760 7 1 269 524 4186 2226 4158.091 4087.930  
## 3647 1.75e+08 7763 7 1 310 530 4227 2232 4199.350 4081.248  
## 3648 1.75e+08 7763 7 1 359 574 4276 2276 4248.323 4037.991  
## 3649 1.75e+08 7764 7 1 261 515 4178 2217 4150.100 4096.581  
## 3650 1.75e+08 7764 7 0 155 521 4072 2223 4043.860 4090.652  
## 3651 1.75e+08 7767 7 1 313 518 4230 2220 4201.659 4093.555  
## 3652 1.75e+08 7769 7 1 270 550 4187 2252 4159.050 4061.631  
## 3653 1.75e+08 7773 7 1 307 546 4224 2248 4196.008 4065.610  
## 3654 1.75e+08 7773 7 0 157 566 4074 2268 4046.478 4045.449  
## 3655 1.75e+08 7773 7 0 177 573 4094 2275 4066.543 4038.724  
## 3656 1.75e+08 7774 7 1 354 601 4271 2303 4242.641 4010.928  
## 3657 1.75e+08 7776 7 1 313 526 4230 2228 4202.015 4085.190  
## 3658 1.75e+08 7784 7 0 237 520 4154 2222 4125.773 4091.604  
## 3659 1.75e+08 7788 7 1 307 586 4224 2288 4196.259 4025.924  
## 3660 1.75e+08 7790 7 1 284 532 4201 2234 4172.771 4079.869  
## 3661 1.75e+08 7797 7 1 369 533 4286 2235 4257.538 4078.561  
## 3662 1.75e+08 7801 7 0 229 505 4146 2207 4118.117 4106.601  
## 3663 1.75e+08 7802 7 1 285 507 4202 2209 4174.040 4104.568  
## 3664 1.75e+08 7803 7 1 285 516 4202 2218 4174.377 4095.579  
## 3665 1.75e+08 7806 7 1 286 506 4203 2208 4175.039 4105.560  
## 3666 1.75e+08 7806 7 1 300 553 4217 2255 4188.992 4058.238  
## 3667 1.75e+08 7807 7 1 370 555 4287 2257 4258.549 4056.580  
## 3668 1.75e+08 7809 7 1 291 518 4208 2220 4180.020 4093.948  
## 3669 1.75e+08 7810 7 1 277 488 4194 2190 4166.056 4123.184  
## 3670 1.75e+08 7810 7 0 232 504 4149 2206 4121.108 4107.261  
## 3671 1.75e+08 7815 7 1 323 511 4240 2213 4211.985 4100.188  
## 3672 1.75e+08 7816 7 0 203 511 4120 2213 4091.873 4100.917  
## 3673 1.75e+08 7816 7 0 237 568 4154 2270 4126.068 4043.699  
## 3674 1.75e+08 7821 7 1 372 553 4289 2255 4261.152 4058.852  
## 3675 1.75e+08 7823 7 0 237 520 4154 2222 4125.701 4091.604  
## 3676 1.75e+08 7825 7 1 300 479 4217 2181 4189.015 4132.139  
## 3677 1.75e+08 7826 7 1 326 510 4243 2212 4215.336 4101.529  
## 3678 1.75e+08 7828 7 1 293 503 4210 2205 4182.285 4108.810  
## 3679 1.75e+08 7830 7 1 302 479 4219 2181 4191.005 4132.139  
## 3680 1.75e+08 7832 7 0 251 510 4168 2212 4140.057 4101.554  
## 3681 1.75e+08 7832 7 1 298 516 4215 2218 4187.377 4095.146  
## 3682 1.75e+08 7837 7 1 284 485 4201 2187 4173.404 4126.079  
## 3683 1.75e+08 7838 7 1 277 498 4194 2200 4166.012 4113.829  
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## 3685 1.75e+08 7844 7 1 298 513 4215 2215 4186.980 4098.132  
## 3686 1.75e+08 7848 7 1 297 500 4214 2202 4186.005 4111.476  
## 3687 1.75e+08 7852 7 1 297 466 4214 2168 4186.023 4145.056  
## 3688 1.75e+08 7852 7 1 266 475 4183 2177 4154.785 4136.736  
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## 3692 1.75e+08 7860 7 1 305 480 4222 2182 4194.003 4131.049  
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## 3697 1.75e+08 7864 7 0 247 508 4164 2210 4136.355 4103.783  
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## 3699 1.75e+08 7866 7 1 387 561 4304 2263 4275.855 4050.496  
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## 3704 1.75e+08 7874 7 0 250 511 4167 2213 4139.056 4100.512  
## 3705 1.75e+08 7875 7 1 311 513 4228 2215 4199.971 4098.477  
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## 3707 1.75e+08 7883 7 1 295 499 4212 2201 4184.020 4112.129  
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## 3717 1.75e+08 7911 7 1 296 512 4213 2214 4185.025 4099.488  
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## 3723 1.75e+08 7925 7 1 286 515 4203 2217 4175.036 4096.502  
## 3724 1.75e+08 7929 7 1 353 487 4270 2189 4241.960 4124.429  
## 3725 1.75e+08 7930 7 1 305 534 4222 2236 4193.999 4077.523  
## 3726 1.75e+08 7930 7 1 388 584 4305 2286 4276.856 4027.542  
## 3727 1.75e+08 7931 7 1 307 556 4224 2258 4195.985 4055.922  
## 3728 1.75e+08 7932 7 0 180 553 4097 2255 4068.782 4058.624  
## 3729 1.75e+08 7935 7 0 221 493 4138 2195 4109.755 4118.910  
## 3730 1.75e+08 7936 7 1 286 588 4203 2290 4174.999 4023.232  
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## 3732 1.75e+08 7941 7 1 285 517 4202 2219 4174.041 4094.520  
## 3733 1.75e+08 7942 7 1 350 430 4267 2132 4239.004 4181.363  
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## 3740 1.75e+08 7958 7 1 307 511 4224 2213 4196.356 4100.520  
## 3741 1.75e+08 7958 7 1 293 512 4210 2214 4181.617 4099.136  
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## 3744 1.75e+08 7972 7 1 284 514 4201 2216 4173.016 4097.178  
## 3745 1.75e+08 7977 7 1 302 506 4219 2208 4190.995 4105.514  
## 3746 1.75e+08 7977 7 0 239 528 4156 2230 4128.417 4083.581  
## 3747 1.75e+08 7978 7 0 219 615 4136 2317 4108.041 3997.056  
## 3748 1.75e+08 7980 7 0 245 464 4162 2166 4134.479 4147.111  
## 3749 1.75e+08 7981 7 1 281 511 4198 2213 4170.379 4100.539  
## 3750 1.75e+08 7981 7 1 296 541 4213 2243 4185.373 4070.179  
## 3751 1.75e+08 7981 7 1 294 550 4211 2252 4182.705 4061.311  
## 3752 1.75e+08 7981 7 0 202 615 4119 2317 4091.066 3996.347  
## 3753 1.75e+08 7982 7 1 293 426 4210 2128 4182.055 4185.417  
## 3754 1.75e+08 7982 7 1 288 523 4205 2225 4177.004 4088.176  
## 3755 1.75e+08 7983 7 1 309 520 4226 2222 4197.602 4091.537  
## 3756 1.75e+08 7985 7 1 280 525 4197 2227 4169.023 4086.224  
## 3757 1.75e+08 7988 7 1 295 525 4212 2227 4184.004 4086.566  
## 3758 1.75e+08 7988 7 1 295 540 4212 2242 4183.602 4071.979  
## 3759 1.75e+08 7992 7 1 272 553 4189 2255 4161.349 4058.621  
## 3760 1.75e+08 7994 7 1 278 505 4195 2207 4166.676 4106.553  
## 3761 1.75e+08 7995 7 0 249 518 4166 2220 4138.053 4093.588  
## 3762 1.75e+08 7995 7 1 281 522 4198 2224 4170.007 4089.951  
## 3763 1.75e+08 7998 7 1 284 477 4201 2179 4173.024 4134.512  
## 3764 1.75e+08 7999 7 0 254 552 4171 2254 4142.677 4059.630  
## 3765 1.75e+08 8001 7 1 275 491 4192 2193 4164.025 4120.531  
## 3766 1.75e+08 8005 7 1 282 474 4199 2176 4171.038 4137.497  
## 3767 1.75e+08 8010 7 1 290 468 4207 2170 4179.317 4143.756  
## 3768 1.75e+08 8010 7 1 295 512 4212 2214 4184.012 4099.921  
## 3769 1.75e+08 8015 7 1 287 468 4204 2170 4175.667 4143.859  
## 3770 1.75e+08 8016 7 1 286 435 4203 2137 4175.453 4176.815  
## 3771 1.75e+08 8016 7 1 277 506 4194 2208 4166.038 4105.159  
## 3772 1.75e+08 8017 7 1 273 499 4190 2201 4162.390 4112.523  
## 3773 1.75e+08 8024 7 1 363 561 4280 2263 4251.883 4050.194  
## 3774 1.75e+08 8027 7 1 267 492 4184 2194 4156.407 4119.502  
## 3775 1.75e+08 8027 7 1 286 567 4203 2269 4175.261 4044.320  
## 3776 1.75e+08 8030 7 1 259 490 4176 2192 4148.073 4121.506  
## 3777 1.75e+08 8031 7 1 286 512 4203 2214 4175.024 4099.178  
## 3778 1.75e+08 8031 7 1 271 516 4188 2218 4160.042 4095.193  
## 3779 1.75e+08 8032 7 1 272 501 4189 2203 4161.329 4110.232  
## 3780 1.75e+08 8039 7 1 270 499 4187 2201 4158.667 4112.495  
## 3781 1.75e+08 8039 7 1 297 546 4214 2248 4185.713 4065.270  
## 3782 1.75e+08 8042 7 1 269 504 4186 2206 4158.383 4107.492  
## 3783 1.75e+08 8045 7 1 277 491 4194 2193 4166.033 4120.465  
## 3784 1.75e+08 8057 7 1 272 482 4189 2184 4160.773 4129.201  
## 3785 1.75e+08 8058 7 1 269 498 4186 2200 4158.046 4113.143  
## 3786 1.75e+08 8058 7 0 167 508 4084 2210 4056.180 4103.953  
## 3787 1.75e+08 8064 7 1 275 503 4192 2205 4163.662 4108.878  
## 3788 1.75e+08 8066 7 1 270 497 4187 2199 4158.681 4114.488  
## 3789 1.75e+08 8070 7 1 275 503 4192 2205 4164.053 4108.487  
## 3790 1.75e+08 8072 7 1 309 511 4226 2213 4197.611 4100.873  
## 3791 1.75e+08 8076 7 1 283 480 4200 2182 4172.069 4131.069  
## 3792 1.75e+08 8077 7 1 275 504 4192 2206 4164.065 4107.490  
## 3793 1.75e+08 8080 7 1 275 505 4192 2207 4164.057 4106.843  
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## 3795 1.75e+08 8093 7 1 280 508 4197 2210 4169.033 4103.503  
## 3796 1.75e+08 8094 7 1 266 519 4183 2221 4154.771 4092.250  
## 3797 1.75e+08 8099 7 1 275 419 4192 2121 4164.464 4192.385  
## 3798 1.75e+08 8100 7 1 285 514 4202 2216 4174.408 4097.115  
## 3799 1.75e+08 8101 7 1 277 512 4194 2214 4166.367 4099.508  
## 3800 1.75e+08 8102 7 1 282 492 4199 2194 4170.645 4119.475  
## 3801 1.75e+08 8104 7 1 308 490 4225 2192 4196.990 4121.457  
## 3802 1.75e+08 8105 7 1 313 470 4230 2172 4201.998 4141.806  
## 3803 1.75e+08 8106 7 1 360 562 4277 2264 4249.253 4049.524  
## 3804 1.75e+08 8108 7 1 293 530 4210 2232 4181.640 4081.518  
## 3805 1.75e+08 8109 7 1 287 491 4204 2193 4176.020 4120.472  
## 3806 1.75e+08 8121 7 1 268 547 4185 2249 4157.002 4064.571  
## 3807 1.75e+08 8122 7 0 218 473 4135 2175 4107.112 4138.119  
## 3808 1.75e+08 8127 7 1 282 476 4199 2178 4171.372 4135.467  
## 3809 1.75e+08 8129 7 1 286 543 4203 2245 4174.710 4068.832  
## 3810 1.75e+08 8131 7 1 269 459 4186 2161 4158.063 4152.836  
## 3811 1.75e+08 8131 7 1 293 501 4210 2203 4182.281 4110.774  
## 3812 1.75e+08 8132 7 1 289 512 4206 2214 4177.666 4099.515  
## 3813 1.75e+08 8132 7 1 279 525 4196 2227 4168.014 4086.538  
## 3814 1.75e+08 8135 7 1 264 504 4181 2206 4153.061 4107.530  
## 3815 1.75e+08 8139 7 0 252 509 4169 2211 4141.097 4102.183  
## 3816 1.75e+08 8142 7 1 283 530 4200 2232 4172.397 4081.573  
## 3817 1.75e+08 8146 7 1 290 531 4207 2233 4179.052 4080.227  
## 3818 1.75e+08 8156 7 1 288 543 4205 2245 4176.644 4069.021  
## 3819 1.75e+08 8157 7 1 288 531 4205 2233 4177.065 4080.591  
## 3820 1.75e+08 8162 7 1 293 488 4210 2190 4181.743 4123.191  
## 3821 1.75e+08 8165 7 1 287 563 4204 2265 4176.034 4048.632  
## 3822 1.75e+08 8166 7 1 304 512 4221 2214 4193.040 4099.552  
## 3823 1.75e+08 8167 7 1 296 531 4213 2233 4185.038 4080.581  
## 3824 1.75e+08 8167 7 1 296 535 4213 2237 4185.035 4076.586  
## 3825 1.75e+08 8171 7 1 330 615 4247 2317 4218.551 3997.061  
## 3826 1.75e+08 8179 7 1 336 578 4253 2280 4224.954 4033.625  
## 3827 1.75e+08 8181 7 1 295 546 4212 2248 4184.033 4065.942  
## 3828 1.75e+08 8181 7 1 383 586 4300 2288 4271.498 4025.993  
## 3829 1.75e+08 8182 7 1 299 534 4216 2236 4188.423 4077.188  
## 3830 1.75e+08 8183 7 1 295 529 4212 2231 4184.317 4082.845  
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## 3832 1.75e+08 8188 7 1 310 512 4227 2214 4199.030 4099.536  
## 3833 1.75e+08 8188 7 1 302 536 4219 2238 4191.027 4075.574  
## 3834 1.75e+08 8191 7 1 352 488 4269 2190 4240.599 4123.871  
## 3835 1.75e+08 8193 7 0 237 488 4154 2190 4126.144 4123.550  
## 3836 1.75e+08 8197 7 1 293 517 4210 2219 4181.650 4094.155  
## 3837 1.75e+08 8203 7 0 222 571 4139 2273 4111.490 4040.646  
## 3838 1.75e+08 8205 7 0 250 530 4167 2232 4139.491 4081.968  
## 3839 1.75e+08 8205 7 1 333 551 4250 2253 4221.595 4060.554  
## 3840 1.75e+08 8216 7 1 307 527 4224 2229 4196.285 4084.255  
## 3841 1.75e+08 8219 7 1 306 499 4223 2201 4195.006 4112.879  
## 3842 1.75e+08 8220 7 0 251 526 4168 2228 4140.448 4085.180  
## 3843 1.75e+08 8220 7 1 389 577 4306 2279 4278.230 4034.166  
## 3844 1.75e+08 8223 7 1 314 501 4231 2203 4203.317 4110.508  
## 3845 1.75e+08 8227 7 0 251 522 4168 2224 4140.406 4089.589  
## 3846 1.75e+08 8228 7 1 356 476 4273 2178 4244.632 4135.740  
## 3847 1.75e+08 8231 7 1 273 408 4190 2110 4162.043 4203.427  
## 3848 1.75e+08 8233 7 1 314 514 4231 2216 4202.914 4097.175  
## 3849 1.75e+08 8235 7 1 309 520 4226 2222 4197.909 4091.930  
## 3850 1.75e+08 8236 7 0 248 499 4165 2201 4137.003 4112.954  
## 3851 1.75e+08 8237 7 1 302 517 4219 2219 4190.916 4094.561  
## 3852 1.75e+08 8237 7 1 262 584 4179 2286 4150.555 4027.677  
## 3853 1.75e+08 8239 7 1 309 505 4226 2207 4197.910 4106.169  
## 3854 1.75e+08 8246 7 1 287 497 4204 2199 4175.685 4114.792  
## 3855 1.75e+08 8246 7 1 306 515 4223 2217 4194.920 4096.533  
## 3856 1.75e+08 8250 7 1 310 527 4227 2229 4198.910 4084.549  
## 3857 1.75e+08 8254 7 1 305 512 4222 2214 4194.313 4099.533  
## 3858 1.75e+08 8256 7 1 282 581 4199 2283 4171.262 4030.644  
## 3859 1.75e+08 8258 7 1 286 493 4203 2195 4174.963 4118.905  
## 3860 1.75e+08 8260 7 1 309 523 4226 2225 4197.912 4088.906  
## 3861 1.75e+08 8263 7 1 307 496 4224 2198 4195.576 4115.518  
## 3862 1.75e+08 8263 7 1 304 509 4221 2211 4192.933 4102.917  
## 3863 1.75e+08 8263 7 1 297 596 4214 2298 4185.617 4015.934  
## 3864 1.75e+08 8267 7 1 312 484 4229 2186 4200.599 4127.510  
## 3865 1.75e+08 8272 7 1 286 503 4203 2205 4175.234 4108.838  
## 3866 1.75e+08 8272 7 0 192 546 4109 2248 4080.687 4065.682  
## 3867 1.75e+08 8273 7 0 249 505 4166 2207 4138.017 4106.589  
## 3868 1.75e+08 8274 7 1 311 509 4228 2211 4200.314 4102.937  
## 3869 1.75e+08 8274 7 1 374 555 4291 2257 4262.818 4056.581  
## 3870 1.75e+08 8275 7 1 274 472 4191 2174 4163.387 4139.524  
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## 3872 1.75e+08 8277 7 1 303 492 4220 2194 4192.229 4119.799  
## 3873 1.75e+08 8278 7 1 265 464 4182 2166 4153.645 4147.512  
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## 3875 1.75e+08 8278 7 1 302 504 4219 2206 4190.611 4107.544  
## 3876 1.75e+08 8278 7 1 310 509 4227 2211 4198.940 4102.923  
## 3877 1.75e+08 8281 7 0 248 515 4165 2217 4136.744 4096.310  
## 3878 1.75e+08 8285 7 1 273 483 4190 2185 4162.000 4128.529  
## 3879 1.75e+08 8292 7 1 302 515 4219 2217 4190.946 4096.558  
## 3880 1.75e+08 8293 7 1 284 485 4201 2187 4172.988 4126.527  
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## 3882 1.75e+08 8296 7 1 268 500 4185 2202 4156.999 4111.551  
## 3883 1.75e+08 8301 7 1 283 485 4200 2187 4171.647 4126.515  
## 3884 1.75e+08 8302 7 1 300 516 4217 2218 4188.585 4095.547  
## 3885 1.75e+08 8304 7 1 293 514 4210 2216 4182.352 4097.939  
## 3886 1.75e+08 8307 7 1 282 486 4199 2188 4170.627 4125.516  
## 3887 1.75e+08 8309 7 1 280 502 4197 2204 4168.608 4109.934  
## 3888 1.75e+08 8309 7 1 295 524 4212 2226 4183.611 4087.565  
## 3889 1.75e+08 8316 7 1 292 504 4209 2206 4180.707 4107.810  
## 3890 1.75e+08 8316 7 1 373 555 4290 2257 4261.837 4056.561  
## 3891 1.75e+08 8322 7 1 301 512 4218 2214 4189.960 4099.895  
## 3892 1.75e+08 8326 7 1 297 484 4214 2186 4185.977 4127.156  
## 3893 1.75e+08 8328 7 1 273 539 4190 2241 4162.328 4072.590  
## 3894 1.75e+08 8331 7 1 285 510 4202 2212 4173.976 4101.197  
## 3895 1.75e+08 8334 7 1 299 455 4216 2157 4187.991 4156.466  
## 3896 1.75e+08 8334 7 1 287 498 4204 2200 4175.619 4113.532  
## 3897 1.75e+08 8336 7 1 293 488 4210 2190 4181.586 4123.119  
## 3898 1.75e+08 8338 7 1 288 508 4205 2210 4177.316 4103.542  
## 3899 1.75e+08 8341 7 1 272 495 4189 2197 4161.005 4116.155  
## 3900 1.75e+08 8341 7 1 286 502 4203 2204 4174.630 4109.538  
## 3901 1.75e+08 8343 7 1 271 497 4188 2199 4159.618 4114.149  
## 3902 1.75e+08 8345 7 1 277 510 4194 2212 4165.984 4101.156  
## 3903 1.75e+08 8346 7 0 244 603 4161 2305 4132.581 4008.294  
## 3904 1.75e+08 8349 7 1 381 502 4298 2204 4269.557 4109.175  
## 3905 1.75e+08 8351 7 1 291 520 4208 2222 4179.572 4091.530  
## 3906 1.75e+08 8354 7 1 281 522 4198 2224 4169.964 4089.534  
## 3907 1.75e+08 8356 7 1 271 514 4188 2216 4159.981 4097.529  
## 3908 1.75e+08 8357 7 1 268 503 4185 2205 4156.718 4108.791  
## 3909 1.75e+08 8365 7 1 271 518 4188 2220 4159.975 4093.921  
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## 3911 1.75e+08 8371 7 1 279 547 4196 2249 4167.948 4064.570  
## 3912 1.75e+08 8371 7 1 263 555 4180 2257 4151.965 4056.591  
## 3913 1.75e+08 8373 7 1 263 556 4180 2258 4151.588 4055.589  
## 3914 1.75e+08 8374 7 0 217 515 4134 2217 4105.672 4096.943  
## 3915 1.75e+08 8374 7 1 272 519 4189 2221 4160.979 4092.152  
## 3916 1.75e+08 8377 7 1 276 530 4193 2232 4164.963 4081.162  
## 3917 1.75e+08 8381 7 0 199 516 4116 2218 4088.086 4095.935  
## 3918 1.75e+08 8386 7 1 358 582 4275 2284 4246.832 4029.565  
## 3919 1.75e+08 8390 7 1 285 511 4202 2213 4173.964 4100.127  
## 3920 1.75e+08 8392 7 1 283 510 4200 2212 4172.354 4101.895  
## 3921 1.75e+08 8395 7 1 263 544 4180 2246 4151.962 4067.197  
## 3922 1.75e+08 8400 7 1 264 516 4181 2218 4152.607 4095.544  
## 3923 1.75e+08 8401 7 1 277 524 4194 2226 4165.576 4087.940  
## 3924 1.75e+08 8403 7 1 275 525 4192 2227 4163.619 4086.556  
## 3925 1.75e+08 8405 7 1 329 592 4246 2294 4217.860 4019.617  
## 3926 1.75e+08 8406 7 1 309 491 4226 2193 4197.946 4120.148  
## 3927 1.75e+08 8409 7 1 264 518 4181 2220 4152.988 4093.553  
## 3928 1.75e+08 8410 7 0 215 498 4132 2200 4104.338 4113.279  
## 3929 1.75e+08 8412 7 1 310 492 4227 2194 4198.936 4119.485  
## 3930 1.75e+08 8412 7 1 269 555 4186 2257 4157.681 4056.322  
## 3931 1.75e+08 8415 7 1 269 530 4186 2232 4158.295 4081.882  
## 3932 1.75e+08 8417 7 0 209 431 4126 2133 4097.762 4180.458  
## 3933 1.75e+08 8418 7 1 360 587 4277 2289 4248.427 4024.969  
## 3934 1.75e+08 8423 7 1 277 534 4194 2236 4166.246 4077.821  
## 3935 1.75e+08 8424 7 1 277 588 4194 2290 4166.281 4023.618  
## 3936 1.75e+08 8425 7 1 265 546 4182 2248 4154.402 4065.989  
## 3937 1.75e+08 8425 7 1 274 601 4191 2303 4163.330 4011.032  
## 3938 1.75e+08 8426 7 1 278 543 4195 2245 4167.313 4068.556  
## 3939 1.75e+08 8428 7 1 289 542 4206 2244 4177.948 4069.906  
## 3940 1.75e+08 8430 7 1 270 579 4187 2281 4159.226 4032.884  
## 3941 1.75e+08 8431 7 0 195 443 4112 2145 4084.405 4168.191  
## 3942 1.75e+08 8433 7 1 283 545 4200 2247 4171.951 4066.928  
## 3943 1.75e+08 8434 7 1 335 596 4252 2298 4224.230 4015.981  
## 3944 1.75e+08 8435 7 1 287 508 4204 2210 4175.966 4103.510  
## 3945 1.75e+08 8438 7 0 173 552 4090 2254 4062.481 4060.019  
## 3946 1.75e+08 8439 7 1 342 511 4259 2213 4230.890 4100.478  
## 3947 1.75e+08 8439 7 1 269 513 4186 2215 4157.612 4098.524  
## 3948 1.75e+08 8439 7 1 267 528 4184 2230 4156.349 4083.545  
## 3949 1.75e+08 8441 7 0 169 513 4086 2215 4058.120 4098.206  
## 3950 1.75e+08 8443 7 1 261 511 4178 2213 4149.715 4100.255  
## 3951 1.75e+08 8443 7 1 281 539 4198 2241 4170.292 4072.559  
## 3952 1.75e+08 8447 7 1 271 511 4188 2213 4159.607 4100.530  
## 3953 1.75e+08 8448 7 1 284 548 4201 2250 4172.949 4063.918  
## 3954 1.75e+08 8451 7 1 261 508 4178 2210 4150.428 4103.114  
## 3955 1.75e+08 8456 7 1 262 504 4179 2206 4150.676 4107.528  
## 3956 1.75e+08 8457 7 1 293 500 4210 2202 4181.561 4111.085  
## 3957 1.75e+08 8461 7 1 293 453 4210 2155 4182.389 4158.052  
## 3958 1.75e+08 8461 7 0 231 521 4148 2223 4119.775 4090.294  
## 3959 1.75e+08 8461 7 1 278 543 4195 2245 4166.972 4068.569  
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## 3962 1.75e+08 8467 7 1 285 511 4202 2213 4173.980 4100.528  
## 3963 1.75e+08 8470 7 1 297 522 4214 2224 4185.570 4089.143  
## 3964 1.75e+08 8478 7 1 292 535 4209 2237 4181.356 4076.160  
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## 3966 1.75e+08 8483 7 1 300 490 4217 2192 4188.974 4121.479  
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## 3968 1.75e+08 8486 7 1 376 563 4293 2265 4264.828 4048.532  
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## 3971 1.75e+08 8492 7 1 281 538 4198 2240 4169.981 4073.882  
## 3972 1.75e+08 8494 7 1 275 489 4192 2191 4163.700 4122.148  
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## 3974 1.75e+08 8507 7 1 321 482 4238 2184 4209.557 4129.048  
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## 3981 1.75e+08 8522 7 1 296 523 4213 2225 4184.604 4088.505  
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## 3985 1.75e+08 8528 7 1 269 531 4186 2233 4158.365 4080.530  
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## 3987 1.75e+08 8534 7 1 299 499 4216 2201 4187.599 4112.454  
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## 3989 1.75e+08 8537 7 1 385 553 4302 2255 4274.076 4058.742  
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## 3992 1.75e+08 8541 7 0 179 507 4096 2209 4067.771 4104.531  
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## 3994 1.75e+08 8545 7 0 249 429 4166 2131 4138.057 4182.764  
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## 3999 1.75e+08 8547 7 1 340 511 4257 2213 4228.498 4100.441  
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## 4002 1.75e+08 8549 7 1 283 516 4200 2218 4171.605 4095.486  
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## 4007 1.75e+08 8569 7 1 266 537 4183 2239 4154.952 4074.157  
## 4008 1.75e+08 8573 7 1 297 495 4214 2197 4185.927 4116.454  
## 4009 1.75e+08 8577 7 1 287 495 4204 2197 4175.940 4116.119  
## 4010 1.75e+08 8577 7 1 295 514 4212 2216 4184.332 4097.068  
## 4011 1.75e+08 8580 7 1 290 517 4207 2219 4178.543 4094.495  
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## 4014 1.75e+08 8592 7 1 284 521 4201 2223 4172.946 4090.178  
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## 4016 1.75e+08 8604 7 0 247 526 4164 2228 4136.033 4085.979  
## 4017 1.75e+08 8608 7 1 300 523 4217 2225 4188.975 4088.196  
## 4018 1.75e+08 8610 7 1 284 530 4201 2232 4173.354 4081.600  
## 4019 1.75e+08 8614 7 1 335 505 4252 2207 4223.959 4106.542  
## 4020 1.75e+08 8616 7 1 293 552 4210 2254 4181.997 4059.285  
## 4021 1.75e+08 8617 7 0 249 563 4166 2265 4137.716 4048.686  
## 4022 1.75e+08 8622 7 0 192 575 4109 2277 4080.791 4036.750  
## 4023 1.75e+08 8623 7 0 198 588 4115 2290 4087.477 4023.764  
## 4024 1.75e+08 8625 7 1 305 510 4222 2212 4194.359 4101.271  
## 4025 1.75e+08 8635 7 1 372 528 4289 2230 4261.345 4084.006  
## 4026 1.75e+08 8635 7 0 179 595 4096 2297 4068.155 4016.798  
## 4027 1.75e+08 8636 7 0 226 528 4143 2230 4114.743 4083.290  
## 4028 1.75e+08 8638 7 1 302 512 4219 2214 4190.617 4100.017  
## 4029 1.75e+08 8638 7 0 239 533 4156 2235 4128.107 4078.306  
## 4030 1.75e+08 8638 7 1 274 533 4191 2235 4163.059 4078.646  
## 4031 1.75e+08 8639 7 1 295 524 4212 2226 4184.420 4087.231  
## 4032 1.75e+08 8640 7 1 294 544 4211 2246 4183.390 4067.644  
## 4033 1.75e+08 8643 7 1 300 511 4217 2213 4188.678 4100.592  
## 4034 1.75e+08 8646 7 1 341 457 4258 2159 4230.012 4154.109  
## 4035 1.75e+08 8648 7 1 292 523 4209 2225 4181.430 4088.217  
## 4036 1.75e+08 8649 7 1 292 523 4209 2225 4181.041 4088.979  
## 4037 1.75e+08 8652 7 0 214 460 4131 2162 4103.182 4151.206  
## 4038 1.75e+08 8653 7 1 298 647 4215 2349 4187.339 3964.795  
## 4039 1.75e+08 8667 7 1 286 532 4203 2234 4175.031 4079.624  
## 4040 1.75e+08 8667 7 1 292 536 4209 2238 4181.021 4075.626  
## 4041 1.75e+08 8668 7 1 278 526 4195 2228 4167.323 4085.892  
## 4042 1.75e+08 8669 7 1 294 538 4211 2240 4183.021 4073.624  
## 4043 1.75e+08 8671 7 1 366 582 4283 2284 4254.897 4029.641  
## 4044 1.75e+08 8672 7 1 312 474 4229 2176 4200.714 4137.850  
## 4045 1.75e+08 8673 7 1 332 616 4249 2318 4220.924 3996.084  
## 4046 1.75e+08 8674 7 1 271 512 4188 2214 4160.069 4099.599  
## 4047 1.75e+08 8675 7 1 363 544 4280 2246 4252.304 4067.585  
## 4048 1.75e+08 8681 7 1 289 496 4206 2198 4177.768 4115.275  
## 4049 1.75e+08 8687 7 1 280 524 4197 2226 4168.639 4087.198  
## 4050 1.75e+08 8692 7 1 273 524 4190 2226 4162.025 4087.602  
## 4051 1.75e+08 8694 7 1 274 595 4191 2297 4162.594 4016.319  
## 4052 1.75e+08 8697 7 1 266 505 4183 2207 4155.399 4106.590  
## 4053 1.75e+08 8700 7 1 289 527 4206 2229 4177.998 4084.608  
## 4054 1.75e+08 8702 7 1 264 501 4181 2203 4153.050 4110.249  
## 4055 1.75e+08 8703 7 1 358 570 4275 2272 4247.160 4041.347  
## 4056 1.75e+08 8707 7 1 283 494 4200 2196 4172.310 4117.272  
## 4057 1.75e+08 8714 7 0 221 514 4138 2216 4110.103 4097.972  
## 4058 1.75e+08 8718 7 1 279 526 4196 2228 4167.738 4085.851  
## 4059 1.75e+08 8720 7 1 329 473 4246 2175 4217.604 4138.845  
## 4060 1.75e+08 8733 7 1 277 391 4194 2093 4166.084 4220.420  
## 4061 1.75e+08 8734 7 1 382 489 4299 2191 4270.883 4122.130  
## 4062 1.75e+08 8736 7 1 261 504 4178 2206 4150.316 4107.303  
## 4063 1.75e+08 8738 7 1 337 442 4254 2144 4225.586 4169.449  
## 4064 1.75e+08 8739 7 1 261 533 4178 2235 4149.741 4078.341  
## 4065 1.75e+08 8740 7 1 284 482 4201 2184 4173.018 4129.156  
## 4066 1.75e+08 8746 7 1 284 481 4201 2183 4173.025 4130.546  
## 4067 1.75e+08 8748 7 0 252 540 4169 2242 4141.422 4072.032  
## 4068 1.75e+08 8751 7 1 271 498 4188 2200 4159.653 4113.569  
## 4069 1.75e+08 8752 7 1 265 487 4182 2189 4154.054 4124.901  
## 4070 1.75e+08 8757 7 1 279 408 4196 2110 4168.084 4203.054  
## 4071 1.75e+08 8760 7 1 283 533 4200 2235 4172.000 4078.970  
## 4072 1.75e+08 8763 7 0 200 452 4117 2154 4089.432 4159.284  
## 4073 1.75e+08 8763 7 1 275 495 4192 2197 4164.030 4116.217  
## 4074 1.75e+08 8767 7 1 299 524 4216 2226 4188.360 4087.587  
## 4075 1.75e+08 8767 7 1 313 526 4230 2228 4201.569 4085.975  
## 4076 1.75e+08 8773 7 0 206 467 4123 2169 4095.152 4144.546  
## 4077 1.75e+08 8773 7 1 269 487 4186 2189 4157.708 4124.536  
## 4078 1.75e+08 8773 7 1 381 488 4298 2190 4270.289 4123.082  
## 4079 1.75e+08 8779 7 1 260 484 4177 2186 4148.699 4127.534  
## 4080 1.75e+08 8787 7 1 368 557 4285 2259 4256.883 4054.226  
## 4081 1.75e+08 8788 7 1 293 511 4210 2213 4182.010 4100.554  
## 4082 1.75e+08 8789 7 1 285 517 4202 2219 4174.403 4094.956  
## 4083 1.75e+08 8796 7 1 274 539 4191 2241 4163.012 4072.618  
## 4084 1.75e+08 8801 7 1 289 504 4206 2206 4178.417 4107.943  
## 4085 1.75e+08 8801 7 1 283 506 4200 2208 4172.031 4105.557  
## 4086 1.75e+08 8801 7 1 292 511 4209 2213 4181.288 4100.286  
## 4087 1.75e+08 8801 7 1 370 561 4287 2263 4258.880 4050.966  
## 4088 1.75e+08 8804 7 1 288 463 4205 2165 4177.053 4148.117  
## 4089 1.75e+08 8808 7 1 299 492 4216 2194 4188.012 4119.877  
## 4090 1.75e+08 8810 7 1 326 549 4243 2251 4215.215 4062.872  
## 4091 1.75e+08 8810 7 1 296 557 4213 2259 4184.974 4054.623  
## 4092 1.75e+08 8817 7 1 290 534 4207 2236 4179.378 4077.209  
## 4093 1.75e+08 8821 7 1 305 416 4222 2118 4194.043 4195.800  
## 4094 1.75e+08 8821 7 1 296 540 4213 2242 4185.254 4071.874  
## 4095 1.75e+08 8825 7 1 291 518 4208 2220 4179.729 4093.305  
## 4096 1.75e+08 8825 7 1 378 572 4295 2274 4266.472 4039.598  
## 4097 1.75e+08 8828 7 1 310 504 4227 2206 4199.363 4107.927  
## 4098 1.75e+08 8829 7 1 338 620 4255 2322 4226.867 3992.064  
## 4099 1.75e+08 8830 7 1 284 553 4201 2255 4172.978 4058.274  
## 4100 1.75e+08 8841 7 1 282 526 4199 2228 4170.994 4085.584  
## 4101 1.75e+08 8845 7 1 283 513 4200 2215 4172.323 4098.889  
## 4102 1.75e+08 8845 7 1 301 539 4218 2241 4189.961 4072.592  
## 4103 1.75e+08 8845 7 1 298 592 4215 2294 4186.934 4019.666  
## 4104 1.75e+08 8846 7 1 294 508 4211 2210 4182.990 4103.554  
## 4105 1.75e+08 8846 7 1 290 546 4207 2248 4178.973 4065.967  
## 4106 1.75e+08 8851 7 1 293 515 4210 2217 4181.591 4096.174  
## 4107 1.75e+08 8851 7 0 178 559 4095 2261 4066.731 4052.692  
## 4108 1.75e+08 8858 7 1 306 554 4223 2256 4194.544 4058.017  
## 4109 1.75e+08 8859 7 1 387 584 4304 2286 4276.222 4028.032  
## 4110 1.75e+08 8860 7 1 335 424 4252 2126 4224.248 4187.156  
## 4111 1.75e+08 8862 7 1 312 539 4229 2241 4201.303 4072.605  
## 4112 1.75e+08 8862 7 1 387 585 4304 2287 4276.076 4026.894  
## 4113 1.75e+08 8863 7 1 313 538 4230 2240 4201.933 4073.602  
## 4114 1.75e+08 8863 7 0 237 563 4154 2265 4125.677 4048.681  
## 4115 1.75e+08 8867 7 0 210 504 4127 2206 4099.090 4107.223  
## 4116 1.75e+08 8867 7 0 233 556 4150 2258 4122.028 4055.658  
## 4117 1.75e+08 8869 7 1 315 511 4232 2213 4203.944 4100.170  
## 4118 1.75e+08 8869 7 1 388 584 4305 2286 4276.801 4027.601  
## 4119 1.75e+08 8872 7 1 308 524 4225 2226 4196.947 4087.570  
## 4120 1.75e+08 8874 7 1 329 482 4246 2184 4218.216 4129.776  
## 4121 1.75e+08 8876 7 1 300 534 4217 2236 4188.950 4077.595  
## 4122 1.75e+08 8878 7 1 309 478 4226 2180 4197.976 4133.154  
## 4123 1.75e+08 8880 7 1 285 514 4202 2216 4173.993 4097.575  
## 4124 1.75e+08 8886 7 0 248 601 4165 2303 4136.598 4010.327  
## 4125 1.75e+08 8889 7 1 274 496 4191 2198 4163.005 4115.214  
## 4126 1.75e+08 8891 7 1 372 452 4289 2154 4261.277 4159.436  
## 4127 1.75e+08 8891 7 1 307 504 4224 2206 4195.955 4107.920  
## 4128 1.75e+08 8895 7 1 320 505 4237 2207 4208.594 4106.539  
## 4129 1.75e+08 8895 7 1 389 583 4306 2285 4278.139 4028.604  
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## 4131 1.75e+08 8898 7 1 286 579 4203 2281 4174.944 4033.012  
## 4132 1.75e+08 8900 7 1 308 519 4225 2221 4196.955 4092.945  
## 4133 1.75e+08 8905 7 1 297 547 4214 2249 4185.683 4064.335  
## 4134 1.75e+08 8911 7 1 398 489 4315 2191 4286.575 4122.737  
## 4135 1.75e+08 8911 7 1 389 579 4306 2281 4277.417 4032.983  
## 4136 1.75e+08 8919 7 0 248 440 4165 2142 4136.694 4171.486  
## 4137 1.75e+08 8919 7 1 299 520 4216 2222 4188.351 4091.170  
## 4138 1.75e+08 8925 7 1 312 500 4229 2202 4200.953 4111.531  
## 4139 1.75e+08 8926 7 1 351 579 4268 2281 4240.237 4032.999  
## 4140 1.75e+08 8928 7 1 288 521 4205 2223 4176.975 4090.575  
## 4141 1.75e+08 8930 7 1 295 521 4212 2223 4184.296 4090.901  
## 4142 1.75e+08 8930 7 0 196 541 4113 2243 4085.468 4070.659  
## 4143 1.75e+08 8933 7 1 299 496 4216 2198 4188.326 4115.536  
## 4144 1.75e+08 8934 7 1 299 507 4216 2209 4187.976 4104.548  
## 4145 1.75e+08 8934 7 1 290 513 4207 2215 4178.985 4098.936  
## 4146 1.75e+08 8936 7 1 309 496 4226 2198 4197.586 4115.524  
## 4147 1.75e+08 8936 7 0 247 517 4164 2219 4135.665 4094.590  
## 4148 1.75e+08 8937 7 1 305 561 4222 2263 4193.937 4050.238  
## 4149 1.75e+08 8938 7 1 290 528 4207 2230 4178.976 4083.193  
## 4150 1.75e+08 8939 7 1 350 491 4267 2193 4238.915 4120.481  
## 4151 1.75e+08 8941 7 1 314 522 4231 2224 4202.553 4089.923  
## 4152 1.75e+08 8947 7 1 285 479 4202 2181 4174.368 4132.480  
## 4153 1.75e+08 8951 7 1 298 522 4215 2224 4186.696 4089.779  
## 4154 1.75e+08 8954 7 0 212 528 4129 2230 4101.080 4083.167  
## 4155 1.75e+08 8957 7 1 297 496 4214 2198 4185.984 4115.435  
## 4156 1.75e+08 8959 7 1 276 490 4193 2192 4164.632 4121.432  
## 4157 1.75e+08 8960 7 1 294 463 4211 2165 4183.004 4148.729  
## 4158 1.75e+08 8965 7 1 272 486 4189 2188 4160.624 4125.036  
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## 4160 1.75e+08 8966 7 1 275 480 4192 2182 4163.637 4131.040  
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## 4162 1.75e+08 8967 7 1 312 490 4229 2192 4200.963 4121.412  
## 4163 1.75e+08 8977 7 1 324 510 4241 2212 4212.939 4101.427  
## 4164 1.75e+08 8978 7 1 291 492 4208 2194 4180.273 4119.700  
## 4165 1.75e+08 8980 7 1 300 481 4217 2183 4188.983 4130.403  
## 4166 1.75e+08 8988 7 1 275 485 4192 2187 4163.624 4126.422  
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## 4168 1.75e+08 8992 7 1 301 501 4218 2203 4190.236 4110.160  
## 4169 1.75e+08 8994 7 1 287 502 4204 2204 4175.618 4109.447  
## 4170 1.75e+08 8998 7 1 320 444 4237 2146 4208.968 4167.351  
## 4171 1.75e+08 8998 7 1 366 553 4283 2255 4254.840 4058.124  
## 4172 1.75e+08 8999 7 0 252 470 4169 2172 4141.045 4141.803  
## 4173 1.75e+08 9004 7 1 268 495 4185 2197 4157.009 4116.065  
## 4174 1.75e+08 9010 7 1 270 488 4187 2190 4158.628 4123.437  
## 4175 1.75e+08 9012 7 1 268 488 4185 2190 4157.002 4123.779  
## 4176 1.75e+08 9013 7 1 284 519 4201 2221 4172.689 4092.742  
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## 4178 1.75e+08 9020 7 1 354 470 4271 2172 4242.886 4141.719  
## 4179 1.75e+08 9029 7 1 280 504 4197 2206 4168.965 4107.117  
## 4180 1.75e+08 9033 7 1 273 466 4190 2168 4161.997 4145.435  
## 4181 1.75e+08 9034 7 1 266 523 4183 2225 4155.245 4088.788  
## 4182 1.75e+08 9035 7 1 269 511 4186 2213 4157.594 4100.497  
## 4183 1.75e+08 9035 7 1 368 550 4285 2252 4256.816 4061.492  
## 4184 1.75e+08 9037 7 1 269 506 4186 2208 4157.978 4105.492  
## 4185 1.75e+08 9038 7 1 358 507 4275 2209 4247.237 4104.059  
## 4186 1.75e+08 9039 7 0 198 467 4115 2169 4087.095 4144.484  
## 4187 1.75e+08 9042 7 0 250 491 4167 2193 4139.017 4120.481  
## 4188 1.75e+08 9043 7 1 268 502 4185 2204 4156.984 4109.485  
## 4189 1.75e+08 9045 7 1 357 566 4274 2268 4246.181 4045.518  
## 4190 1.75e+08 9053 7 0 247 636 4164 2338 4135.949 3975.292  
## 4191 1.75e+08 9058 7 1 269 516 4186 2218 4157.979 4095.868  
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## 4200 1.75e+08 9067 7 1 358 575 4275 2277 4247.194 4036.126  
## 4201 1.75e+08 9067 7 0 171 588 4088 2290 4060.327 4023.914  
## 4202 1.75e+08 9068 7 1 281 494 4198 2196 4169.961 4117.450  
## 4203 1.75e+08 9068 7 1 275 526 4192 2228 4164.293 4085.497  
## 4204 1.75e+08 9069 7 1 276 526 4193 2228 4164.678 4085.223  
## 4205 1.75e+08 9069 7 1 277 547 4194 2249 4165.939 4064.868  
## 4206 1.75e+08 9072 7 0 204 474 4121 2176 4093.095 4137.850  
## 4207 1.75e+08 9075 7 1 269 528 4186 2230 4157.589 4083.121  
## 4208 1.75e+08 9076 7 0 250 449 4167 2151 4139.449 4162.020  
## 4209 1.75e+08 9078 7 1 266 513 4183 2215 4154.621 4098.491  
## 4210 1.75e+08 9080 7 0 251 524 4168 2226 4140.284 4087.244  
## 4211 1.75e+08 9080 7 0 217 528 4134 2230 4106.057 4083.926  
## 4212 1.75e+08 9082 7 1 322 556 4239 2258 4210.624 4055.794  
## 4213 1.75e+08 9089 7 1 282 575 4199 2277 4170.953 4036.595  
## 4214 1.75e+08 9091 7 1 260 530 4177 2232 4148.696 4081.226  
## 4215 1.75e+08 9093 7 1 282 547 4199 2249 4171.364 4064.562  
## 4216 1.75e+08 9096 7 1 343 442 4260 2144 4231.980 4169.767  
## 4217 1.75e+08 9096 7 0 243 545 4160 2247 4132.404 4066.585  
## 4218 1.75e+08 9100 7 1 293 541 4210 2243 4182.012 4070.555  
## 4219 1.75e+08 9102 7 1 299 484 4216 2186 4188.050 4127.484  
## 4220 1.75e+08 9104 7 1 275 564 4192 2266 4164.319 4047.343  
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## 4224 1.75e+08 9117 7 0 251 477 4168 2179 4140.504 4134.519  
## 4225 1.75e+08 9120 7 0 191 619 4108 2321 4079.738 3993.127  
## 4226 1.75e+08 9122 7 0 228 599 4145 2301 4117.078 4012.695  
## 4227 1.75e+08 9124 7 1 287 543 4204 2245 4176.388 4068.588  
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## 4229 1.75e+08 9130 7 0 246 540 4163 2242 4134.692 4071.617  
## 4230 1.75e+08 9133 7 1 269 532 4186 2234 4157.681 4079.597  
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## 4236 1.75e+08 9140 7 1 300 535 4217 2237 4188.994 4076.960  
## 4237 1.75e+08 9143 7 1 294 549 4211 2251 4183.263 4062.869  
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## 4283 1.75e+08 9232 7 1 331 399 4248 2101 4220.336 4212.042  
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## 4285 1.75e+08 9232 7 1 308 512 4225 2214 4196.979 4099.532  
## 4286 1.75e+08 9235 7 0 180 508 4097 2210 4069.529 4103.597  
## 4287 1.75e+08 9236 7 1 314 480 4231 2182 4202.981 4131.480  
## 4288 1.75e+08 9236 7 1 311 489 4228 2191 4200.370 4122.104  
## 4289 1.75e+08 9237 7 0 250 502 4167 2204 4139.055 4109.546  
## 4290 1.75e+08 9238 7 1 262 510 4179 2212 4151.416 4101.167  
## 4291 1.75e+08 9240 7 1 314 481 4231 2183 4202.984 4130.483  
## 4292 1.75e+08 9242 7 1 307 491 4224 2193 4195.985 4120.503  
## 4293 1.75e+08 9243 7 1 304 459 4221 2161 4192.732 4152.189  
## 4294 1.75e+08 9245 7 1 311 458 4228 2160 4200.414 4153.041  
## 4295 1.75e+08 9246 7 1 304 503 4221 2205 4193.346 4108.524  
## 4296 1.75e+08 9249 7 1 293 487 4210 2189 4182.381 4124.512  
## 4297 1.75e+08 9250 7 1 317 512 4234 2214 4206.369 4099.115  
## 4298 1.75e+08 9251 7 0 250 506 4167 2208 4139.050 4105.556  
## 4299 1.75e+08 9254 7 1 293 489 4210 2191 4181.998 4122.502  
## 4300 1.75e+08 9254 7 1 338 504 4255 2206 4227.288 4107.495  
## 4301 1.75e+08 9254 7 1 260 514 4177 2216 4149.028 4097.556  
## 4302 1.75e+08 9256 7 1 338 464 4255 2166 4227.270 4147.114  
## 4303 1.75e+08 9260 7 1 280 488 4197 2190 4168.682 4123.838  
## 4304 1.75e+08 9260 7 1 302 510 4219 2212 4191.336 4101.525  
## 4305 1.75e+08 9261 7 1 302 509 4219 2211 4190.970 4102.524  
## 4306 1.75e+08 9264 7 0 252 498 4169 2200 4141.432 4113.931  
## 4307 1.75e+08 9267 7 1 291 607 4208 2309 4179.930 4004.332  
## 4308 1.75e+08 9271 7 1 288 496 4205 2198 4177.339 4115.528  
## 4309 1.75e+08 9274 7 1 307 492 4224 2194 4196.290 4119.826  
## 4310 1.75e+08 9275 7 1 304 536 4221 2238 4192.947 4075.183  
## 4311 1.75e+08 9276 7 1 332 522 4249 2224 4220.644 4089.252  
## 4312 1.75e+08 9281 7 1 310 525 4227 2227 4198.564 4086.916  
## 4313 1.75e+08 9281 7 1 299 528 4216 2230 4187.965 4083.883  
## 4314 1.75e+08 9282 7 1 300 505 4217 2207 4189.299 4106.829  
## 4315 1.75e+08 9282 7 1 286 519 4203 2221 4174.714 4092.262  
## 4316 1.75e+08 9283 7 1 299 414 4216 2116 4188.030 4196.999  
## 4317 1.75e+08 9283 7 1 297 528 4214 2230 4185.965 4083.538  
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## 4322 1.75e+08 9292 7 1 280 551 4197 2253 4168.958 4060.583  
## 4323 1.75e+08 9293 7 1 277 581 4194 2283 4165.570 4030.627  
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## 4325 1.75e+08 9304 7 1 291 528 4208 2230 4179.673 4083.272  
## 4326 1.75e+08 9304 7 0 240 545 4157 2247 4129.007 4066.946  
## 4327 1.75e+08 9305 7 0 235 527 4152 2229 4124.023 4084.578  
## 4328 1.75e+08 9305 7 0 231 589 4148 2291 4119.991 4022.290  
## 4329 1.75e+08 9306 7 1 269 509 4186 2211 4157.985 4102.533  
## 4330 1.75e+08 9309 7 0 234 528 4151 2230 4123.359 4083.578  
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## 4332 1.75e+08 9310 7 1 307 456 4224 2158 4196.302 4155.434  
## 4333 1.75e+08 9316 7 1 272 560 4189 2262 4160.940 4051.601  
## 4334 1.75e+08 9321 7 1 319 486 4236 2188 4207.921 4125.862  
## 4335 1.75e+08 9324 7 1 263 524 4180 2226 4152.365 4087.958  
## 4336 1.75e+08 9326 7 0 229 532 4146 2234 4118.018 4079.246  
## 4337 1.75e+08 9329 7 1 340 610 4257 2312 4228.824 4001.627  
## 4338 1.75e+08 9331 7 0 253 574 4170 2276 4141.966 4037.229  
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## 4341 1.75e+08 9342 7 1 353 463 4270 2165 4241.860 4148.091  
## 4342 1.75e+08 9348 7 0 230 457 4147 2159 4119.412 4154.128  
## 4343 1.75e+08 9348 7 1 286 533 4203 2235 4174.900 4078.941  
## 4344 1.75e+08 9356 7 1 298 432 4215 2134 4186.909 4179.452  
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## 4347 1.75e+08 9359 7 1 276 544 4193 2246 4164.582 4067.350  
## 4348 1.75e+08 9360 7 1 284 510 4201 2212 4172.863 4101.574  
## 4349 1.75e+08 9365 7 0 161 523 4078 2225 4050.373 4088.672  
## 4350 1.75e+08 9367 7 1 273 562 4190 2264 4161.849 4049.317  
## 4351 1.75e+08 9371 7 1 277 531 4194 2233 4165.881 4080.608  
## 4352 1.75e+08 9372 7 1 283 506 4200 2208 4171.567 4105.890  
## 4353 1.75e+08 9374 7 1 269 523 4186 2225 4157.908 4088.212  
## 4354 1.75e+08 9374 7 1 278 543 4195 2245 4166.884 4068.614  
## 4355 1.75e+08 9378 7 1 278 529 4195 2231 4166.898 4082.596  
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## 4357 1.75e+08 9379 7 1 274 528 4191 2230 4162.904 4083.953  
## 4358 1.75e+08 9384 7 0 198 502 4115 2204 4087.025 4109.612  
## 4359 1.75e+08 9385 7 0 212 575 4129 2277 4101.343 4036.324  
## 4360 1.75e+08 9387 7 0 162 470 4079 2172 4051.094 4141.595  
## 4361 1.75e+08 9387 7 1 280 531 4197 2233 4168.530 4080.609  
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## 4363 1.75e+08 9389 7 0 230 530 4147 2232 4118.972 4081.259  
## 4364 1.75e+08 9390 7 1 274 523 4191 2225 4162.918 4088.600  
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## 4368 1.75e+08 9392 7 1 276 522 4193 2224 4164.524 4089.204  
## 4369 1.75e+08 9396 7 1 275 521 4192 2223 4164.291 4090.591  
## 4370 1.75e+08 9398 7 1 275 520 4192 2222 4164.193 4091.863  
## 4371 1.75e+08 9399 7 0 244 488 4161 2190 4133.360 4123.568  
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## 4378 1.75e+08 9413 7 1 274 471 4191 2173 4162.960 4140.866  
## 4379 1.75e+08 9417 7 1 266 523 4183 2225 4154.945 4088.601  
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## 4381 1.75e+08 9419 7 1 278 510 4195 2212 4167.211 4101.307  
## 4382 1.75e+08 9420 7 1 313 508 4230 2210 4202.163 4103.826  
## 4383 1.75e+08 9420 7 1 291 517 4208 2219 4179.917 4094.218  
## 4384 1.75e+08 9422 7 1 287 486 4204 2188 4176.279 4125.541  
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## 4386 1.75e+08 9422 7 0 253 623 4170 2325 4141.520 3988.368  
## 4387 1.75e+08 9425 7 1 259 448 4176 2150 4147.990 4163.502  
## 4388 1.75e+08 9426 7 1 267 491 4184 2193 4155.958 4120.562  
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## 4396 1.75e+08 9438 7 1 317 514 4234 2216 4205.529 4097.575  
## 4397 1.75e+08 9445 7 0 230 503 4147 2205 4119.010 4108.954  
## 4398 1.75e+08 9446 7 1 278 502 4195 2204 4166.945 4109.582  
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## 4403 1.75e+08 9454 7 1 273 475 4190 2177 4161.962 4136.220  
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## 4407 1.75e+08 9457 7 0 245 509 4162 2211 4133.577 4102.235  
## 4408 1.75e+08 9468 7 1 327 538 4244 2240 4216.231 4074.009  
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## 4422 1.75e+08 9497 7 1 350 464 4267 2166 4238.844 4147.532  
## 4423 1.75e+08 9500 7 0 245 510 4162 2212 4134.328 4101.658  
## 4424 1.75e+08 9505 7 0 203 480 4120 2182 4092.438 4131.632  
## 4425 1.75e+08 9510 7 0 211 522 4128 2224 4099.747 4089.407  
## 4426 1.75e+08 9516 7 1 289 438 4206 2140 4177.561 4173.496  
## 4427 1.75e+08 9516 7 1 314 523 4231 2225 4203.133 4088.874  
## 4428 1.75e+08 9517 7 1 294 537 4211 2239 4183.263 4075.015  
## 4429 1.75e+08 9520 7 1 261 528 4178 2230 4149.564 4083.630  
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## 4432 1.75e+08 9526 7 1 340 531 4257 2233 4229.097 4080.876  
## 4433 1.75e+08 9527 7 1 314 500 4231 2202 4202.878 4111.204  
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## 4435 1.75e+08 9530 7 1 340 521 4257 2223 4229.106 4090.325  
## 4436 1.75e+08 9531 7 1 294 507 4211 2209 4182.902 4104.953  
## 4437 1.75e+08 9532 7 1 305 516 4222 2218 4194.264 4095.232  
## 4438 1.75e+08 9533 7 1 316 503 4233 2205 4204.493 4108.592  
## 4439 1.75e+08 9533 7 0 251 524 4168 2226 4140.339 4088.046  
## 4440 1.75e+08 9536 7 1 272 549 4189 2251 4161.182 4062.948  
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## 4443 1.75e+08 9541 7 1 295 514 4212 2216 4184.282 4097.612  
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## 4445 1.75e+08 9542 7 1 316 507 4233 2209 4204.873 4104.211  
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## 4447 1.75e+08 9550 7 0 236 624 4153 2326 4125.290 3987.801  
## 4448 1.75e+08 9551 7 1 311 522 4228 2224 4199.475 4089.227  
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## 4450 1.75e+08 9553 7 0 230 484 4147 2186 4118.621 4127.238  
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## 4458 1.75e+08 9569 7 1 295 518 4212 2220 4183.911 4093.975  
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## 4460 1.75e+08 9574 7 1 309 548 4226 2250 4198.260 4063.262  
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## 4462 1.75e+08 9576 7 1 294 517 4211 2219 4182.643 4094.890  
## 4463 1.75e+08 9578 7 0 179 531 4096 2233 4068.447 4080.716  
## 4464 1.75e+08 9580 7 0 249 534 4166 2236 4137.561 4078.098  
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## 4466 1.75e+08 9581 7 1 389 585 4306 2287 4277.755 4026.329  
## 4467 1.75e+08 9589 7 1 349 497 4266 2199 4237.839 4114.582  
## 4468 1.75e+08 9589 7 1 289 562 4206 2264 4177.519 4049.706  
## 4469 1.75e+08 9591 7 1 385 555 4302 2257 4273.750 4056.639  
## 4470 1.75e+08 9592 7 1 306 515 4223 2217 4195.295 4096.215  
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## 4472 1.75e+08 9601 7 1 308 536 4225 2238 4196.896 4075.657  
## 4473 1.75e+08 9606 7 1 340 622 4257 2324 4228.811 3989.384  
## 4474 1.75e+08 9607 7 0 250 535 4167 2237 4138.596 4077.094  
## 4475 1.75e+08 9611 7 1 295 484 4212 2186 4183.595 4127.615  
## 4476 1.75e+08 9618 7 1 287 511 4204 2213 4175.613 4100.675  
## 4477 1.75e+08 9620 7 1 297 556 4214 2258 4185.693 4055.457  
## 4478 1.75e+08 9621 7 1 334 632 4251 2334 4223.259 3980.194  
## 4479 1.75e+08 9623 7 1 279 552 4196 2254 4168.006 4060.111  
## 4480 1.75e+08 9624 7 1 273 505 4190 2207 4162.367 4106.997  
## 4481 1.75e+08 9624 7 0 212 539 4129 2241 4101.109 4073.123  
## 4482 1.75e+08 9625 7 1 300 544 4217 2246 4188.988 4068.093  
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## 4484 1.75e+08 9629 7 1 265 502 4182 2204 4153.720 4109.660  
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## 4486 1.75e+08 9635 7 1 375 531 4292 2233 4263.616 4080.883  
## 4487 1.75e+08 9636 7 1 268 498 4185 2200 4156.781 4113.904  
## 4488 1.75e+08 9636 7 1 324 516 4241 2218 4212.968 4095.621  
## 4489 1.75e+08 9637 7 1 287 473 4204 2175 4175.688 4138.584  
## 4490 1.75e+08 9639 7 1 293 439 4210 2141 4182.054 4172.532  
## 4491 1.75e+08 9641 7 1 370 566 4287 2268 4259.142 4045.386  
## 4492 1.75e+08 9643 7 0 231 513 4148 2215 4120.468 4098.666  
## 4493 1.75e+08 9645 7 1 286 529 4203 2231 4174.998 4082.303  
## 4494 1.75e+08 9648 7 1 287 500 4204 2202 4175.998 4111.615  
## 4495 1.75e+08 9649 7 0 190 505 4107 2207 4079.510 4107.064  
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## 4497 1.75e+08 9651 7 1 286 532 4203 2234 4175.298 4079.984  
## 4498 1.75e+08 9654 7 1 291 487 4208 2189 4180.335 4124.590  
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## 4501 1.75e+08 9656 7 1 275 558 4192 2260 4163.976 4053.698  
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## 4503 1.75e+08 9661 7 1 356 501 4273 2203 4244.520 4110.185  
## 4504 1.75e+08 9662 7 1 381 530 4298 2232 4269.851 4081.587  
## 4505 1.75e+08 9665 7 0 240 397 4157 2099 4129.122 4214.132  
## 4506 1.75e+08 9674 7 1 259 487 4176 2189 4148.036 4124.949  
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## 4508 1.75e+08 9677 7 1 271 500 4188 2202 4159.734 4111.340  
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## 4510 1.75e+08 9679 7 1 278 514 4195 2216 4167.273 4097.908  
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## 4512 1.75e+08 9683 7 0 179 467 4096 2169 4068.161 4144.627  
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## 4524 1.75e+08 9737 7 1 264 525 4181 2227 4153.253 4086.913  
## 4525 1.75e+08 9738 7 0 221 514 4138 2216 4110.392 4097.649  
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## 4527 1.75e+08 9748 7 1 279 527 4196 2229 4167.944 4084.634  
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## 4533 1.75e+08 9766 7 0 226 491 4143 2193 4115.029 4120.950  
## 4534 1.75e+08 9770 7 0 253 480 4170 2182 4141.605 4131.185  
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## 4550 1.75e+08 9797 7 1 289 490 4206 2192 4177.984 4121.544  
## 4551 1.75e+08 9797 7 1 300 555 4217 2257 4189.324 4056.232  
## 4552 1.75e+08 9797 7 0 204 566 4121 2268 4092.779 4045.975  
## 4553 1.75e+08 9800 7 1 277 523 4194 2225 4166.338 4088.591  
## 4554 1.75e+08 9804 7 1 302 513 4219 2215 4190.959 4098.567  
## 4555 1.75e+08 9804 7 1 341 553 4258 2255 4229.882 4058.942  
## 4556 1.75e+08 9806 7 1 289 536 4206 2238 4177.962 4075.954  
## 4557 1.75e+08 9810 7 1 358 517 4275 2219 4246.500 4094.555  
## 4558 1.75e+08 9810 7 1 290 528 4207 2230 4178.965 4083.269  
## 4559 1.75e+08 9813 7 1 290 555 4207 2257 4178.956 4056.649  
## 4560 1.75e+08 9814 7 1 356 494 4273 2196 4244.558 4117.526  
## 4561 1.75e+08 9815 7 1 286 518 4203 2220 4174.984 4093.977  
## 4562 1.75e+08 9823 7 1 269 513 4186 2215 4158.002 4098.941  
## 4563 1.75e+08 9826 7 1 300 486 4217 2188 4188.576 4125.149  
## 4564 1.75e+08 9827 7 1 290 545 4207 2247 4179.337 4067.020  
## 4565 1.75e+08 9828 7 1 302 520 4219 2222 4190.944 4091.593  
## 4566 1.75e+08 9828 7 1 383 582 4300 2284 4271.796 4029.267  
## 4567 1.75e+08 9828 7 1 385 584 4302 2286 4273.792 4027.257  
## 4568 1.75e+08 9830 7 1 384 582 4301 2284 4272.797 4029.630  
## 4569 1.75e+08 9831 7 1 312 509 4229 2211 4200.940 4102.572  
## 4570 1.75e+08 9832 7 0 229 456 4146 2158 4118.086 4155.548  
## 4571 1.75e+08 9835 7 1 289 559 4206 2261 4177.668 4052.380  
## 4572 1.75e+08 9837 7 1 299 519 4216 2221 4187.685 4092.876  
## 4573 1.75e+08 9839 7 1 291 512 4208 2214 4179.977 4099.596  
## 4574 1.75e+08 9841 7 1 303 530 4220 2232 4192.301 4081.613  
## 4575 1.75e+08 9842 7 1 387 579 4304 2281 4275.806 4032.629  
## 4576 1.75e+08 9843 7 1 312 533 4229 2235 4201.305 4078.609  
## 4577 1.75e+08 9843 7 1 260 537 4177 2239 4149.005 4075.001  
## 4578 1.75e+08 9843 7 1 349 628 4266 2330 4237.448 3983.336  
## 4579 1.75e+08 9845 7 1 261 534 4178 2236 4150.006 4077.288  
## 4580 1.75e+08 9847 7 1 309 540 4226 2242 4198.215 4071.332  
## 4581 1.75e+08 9847 7 0 232 573 4149 2275 4120.751 4038.974  
## 4582 1.75e+08 9849 7 1 294 509 4211 2211 4182.974 4102.570  
## 4583 1.75e+08 9849 7 0 250 525 4167 2227 4139.024 4086.618  
## 4584 1.75e+08 9849 7 1 306 527 4223 2229 4195.334 4084.199  
## 4585 1.75e+08 9851 7 1 310 582 4227 2284 4199.181 4029.385  
## 4586 1.75e+08 9857 7 1 295 504 4212 2206 4183.978 4107.572  
## 4587 1.75e+08 9857 7 1 319 529 4236 2231 4207.931 4082.592  
## 4588 1.75e+08 9857 7 0 238 588 4155 2290 4127.279 4023.448  
## 4589 1.75e+08 9859 7 1 305 521 4222 2223 4194.336 4090.206  
## 4590 1.75e+08 9861 7 1 263 528 4180 2230 4151.655 4083.628  
## 4591 1.75e+08 9862 7 1 262 630 4179 2332 4150.947 3981.767  
## 4592 1.75e+08 9863 7 1 286 521 4203 2223 4174.590 4090.993  
## 4593 1.75e+08 9867 7 0 252 517 4169 2219 4141.028 4094.966  
## 4594 1.75e+08 9868 7 1 320 524 4237 2226 4208.548 4087.584  
## 4595 1.75e+08 9871 7 1 287 517 4204 2219 4176.328 4094.597  
## 4596 1.75e+08 9873 7 1 307 525 4224 2227 4195.929 4086.256  
## 4597 1.75e+08 9874 7 1 346 454 4263 2156 4234.537 4157.482  
## 4598 1.75e+08 9874 7 1 308 516 4225 2218 4196.931 4095.952  
## 4599 1.75e+08 9875 7 1 334 496 4251 2198 4223.227 4115.869  
## 4600 1.75e+08 9878 7 1 263 520 4180 2222 4151.973 4091.275  
## 4601 1.75e+08 9878 7 1 298 542 4215 2244 4186.912 4069.626  
## 4602 1.75e+08 9882 7 1 278 479 4195 2181 4166.968 4132.917  
## 4603 1.75e+08 9883 7 1 272 431 4189 2133 4161.355 4180.479  
## 4604 1.75e+08 9883 7 1 409 495 4326 2197 4297.779 4116.866  
## 4605 1.75e+08 9885 7 1 337 481 4254 2183 4225.505 4130.888  
## 4606 1.75e+08 9885 7 1 300 491 4217 2193 4189.277 4120.542  
## 4607 1.75e+08 9887 7 1 290 507 4207 2209 4178.936 4104.569  
## 4608 1.75e+08 9889 7 1 269 512 4186 2214 4157.960 4099.968  
## 4609 1.75e+08 9891 7 1 263 517 4180 2219 4151.594 4094.599  
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## 4611 1.75e+08 9897 7 1 363 549 4280 2251 4251.810 4062.588  
## 4612 1.75e+08 9898 7 1 352 589 4269 2291 4241.216 4023.062  
## 4613 1.75e+08 9908 7 1 293 486 4210 2188 4182.267 4125.220  
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## 4615 1.75e+08 9910 7 1 302 473 4219 2175 4190.672 4138.790  
## 4616 1.75e+08 9912 7 0 205 584 4122 2286 4094.389 4028.112  
## 4617 1.75e+08 9913 7 1 259 472 4176 2174 4148.001 4139.547  
## 4618 1.75e+08 9916 7 1 304 504 4221 2206 4193.264 4107.565  
## 4619 1.75e+08 9916 7 1 394 549 4311 2251 4282.383 4062.186  
## 4620 1.75e+08 9917 7 1 276 579 4193 2281 4164.642 4032.959  
## 4621 1.75e+08 9918 7 1 302 503 4219 2205 4190.925 4108.568  
## 4622 1.75e+08 9919 7 1 310 479 4227 2181 4199.312 4132.143  
## 4623 1.75e+08 9919 7 1 384 553 4301 2255 4272.782 4058.240  
## 4624 1.75e+08 9920 7 0 247 501 4164 2203 4135.657 4110.593  
## 4625 1.75e+08 9923 7 1 289 535 4206 2237 4178.307 4076.986  
## 4626 1.75e+08 9925 7 1 371 493 4288 2195 4260.222 4118.879  
## 4627 1.75e+08 9927 7 1 308 479 4225 2181 4197.270 4132.511  
## 4628 1.75e+08 9928 7 1 297 525 4214 2227 4186.235 4086.902  
## 4629 1.75e+08 9928 7 1 338 584 4255 2286 4226.474 4027.637  
## 4630 1.75e+08 9929 7 1 288 500 4205 2202 4176.617 4111.877  
## 4631 1.75e+08 9930 7 1 350 503 4267 2205 4238.852 4108.523  
## 4632 1.75e+08 9936 7 1 286 487 4203 2189 4175.308 4124.537  
## 4633 1.75e+08 9938 7 0 211 432 4128 2134 4100.461 4179.889  
## 4634 1.75e+08 9939 7 1 348 455 4265 2157 4236.879 4156.453  
## 4635 1.75e+08 9939 7 0 242 502 4159 2204 4130.996 4109.580  
## 4636 1.75e+08 9942 7 1 297 504 4214 2206 4185.550 4107.546  
## 4637 1.75e+08 9950 7 1 366 510 4283 2212 4254.434 4101.117  
## 4638 1.75e+08 9952 7 1 290 476 4207 2178 4179.338 4135.504  
## 4639 1.75e+08 9952 7 1 389 477 4306 2179 4278.203 4134.828  
## 4640 1.75e+08 9952 7 1 287 522 4204 2224 4176.299 4089.569  
## 4641 1.75e+08 9953 7 1 296 549 4213 2251 4185.231 4062.277  
## 4642 1.75e+08 9955 7 1 355 491 4272 2193 4243.591 4120.759  
## 4643 1.75e+08 9957 7 1 286 508 4203 2210 4175.230 4103.270  
## 4644 1.75e+08 9958 7 1 375 560 4292 2262 4263.808 4051.561  
## 4645 1.75e+08 9961 7 0 235 509 4152 2211 4124.038 4102.573  
## 4646 1.75e+08 9962 7 1 326 485 4243 2187 4214.928 4126.104  
## 4647 1.75e+08 9964 7 1 320 559 4237 2261 4209.168 4052.310  
## 4648 1.75e+08 9965 7 1 289 512 4206 2214 4177.961 4099.538  
## 4649 1.75e+08 9965 7 1 282 541 4199 2243 4171.328 4070.581  
## 4650 1.75e+08 9967 7 1 282 523 4199 2225 4170.959 4088.936  
## 4651 1.75e+08 9967 7 1 290 533 4207 2235 4178.667 4078.290  
## 4652 1.75e+08 9969 7 1 296 517 4213 2219 4184.579 4094.533  
## 4653 1.75e+08 9970 7 1 324 466 4241 2168 4213.202 4145.172  
## 4654 1.75e+08 9973 7 1 294 491 4211 2193 4183.338 4120.494  
## 4655 1.75e+08 9974 7 1 280 530 4197 2232 4168.567 4081.939  
## 4656 1.75e+08 9976 7 1 286 517 4203 2219 4174.679 4094.251  
## 4657 1.75e+08 9977 7 1 324 517 4241 2219 4212.902 4094.504  
## 4658 1.75e+08 9978 7 1 280 510 4197 2212 4169.349 4101.521  
## 4659 1.75e+08 9978 7 1 345 566 4262 2268 4234.218 4045.559  
## 4660 1.75e+08 9986 7 1 265 562 4182 2264 4154.319 4049.603  
## 4661 1.75e+08 9987 7 1 273 537 4190 2239 4161.960 4074.208  
## 4662 1.75e+08 9990 7 1 325 444 4242 2146 4214.316 4167.404  
## 4663 1.75e+08 9993 7 1 270 507 4187 2209 4158.650 4104.195  
## 4664 1.75e+08 9995 7 1 282 524 4199 2226 4170.551 4087.133  
## 4665 1.75e+08 9997 7 0 208 469 4125 2171 4096.806 4142.208  
## 4666 1.75e+08 9999 7 1 265 525 4182 2227 4153.971 4086.520  
## 4667 1.75e+08 9999 7 1 284 539 4201 2241 4172.545 4072.137  
## 4668 1.75e+08 10001 7 1 280 527 4197 2229 4168.947 4084.509  
## 4669 1.75e+08 10003 7 1 299 489 4216 2191 4187.941 4122.063  
## 4670 1.75e+08 10004 7 1 259 526 4176 2228 4147.972 4085.512  
## 4671 1.75e+08 10009 7 1 308 443 4225 2145 4197.341 4168.743  
## 4672 1.75e+08 10012 7 1 330 554 4247 2256 4219.123 4057.202  
## 4673 1.75e+08 10014 7 1 270 531 4187 2233 4159.217 4080.750  
## 4674 1.75e+08 10014 7 1 280 552 4197 2254 4169.191 4059.773  
## 4675 1.75e+08 10015 7 1 277 532 4194 2234 4165.933 4079.473  
## 4676 1.75e+08 10016 7 1 277 533 4194 2235 4165.933 4078.820  
## 4677 1.75e+08 10017 7 1 272 534 4189 2236 4161.354 4077.893  
## 4678 1.75e+08 10020 7 1 358 583 4275 2285 4246.791 4028.496  
## 4679 1.75e+08 10021 7 1 324 487 4241 2189 4212.892 4124.729  
## 4680 1.75e+08 10023 7 1 283 510 4200 2212 4171.607 4101.773  
## 4681 1.75e+08 10023 7 1 265 515 4182 2217 4153.628 4096.148  
## 4682 1.75e+08 10024 7 1 276 534 4193 2236 4164.555 4077.493  
## 4683 1.75e+08 10024 7 1 284 538 4201 2240 4172.631 4073.770  
## 4684 1.75e+08 10026 7 1 274 535 4191 2237 4162.921 4076.500  
## 4685 1.75e+08 10027 7 1 264 517 4181 2219 4152.593 4094.481  
## 4686 1.75e+08 10027 7 1 358 585 4275 2287 4247.048 4026.246  
## 4687 1.75e+08 10031 7 1 275 535 4192 2237 4164.295 4076.503  
## 4688 1.75e+08 10032 7 0 254 518 4171 2220 4142.677 4093.217  
## 4689 1.75e+08 10035 7 1 265 528 4182 2230 4154.289 4083.506  
## 4690 1.75e+08 10039 7 1 275 535 4192 2237 4164.193 4076.235  
## 4691 1.75e+08 10039 7 1 293 538 4210 2240 4182.211 4073.827  
## 4692 1.75e+08 10041 7 1 268 534 4185 2236 4156.921 4077.506  
## 4693 1.75e+08 10045 7 0 221 533 4138 2235 4109.590 4078.149  
## 4694 1.75e+08 10047 7 1 276 536 4193 2238 4164.518 4075.911  
## 4695 1.75e+08 10050 7 1 284 512 4201 2214 4172.546 4099.496  
## 4696 1.75e+08 10050 7 0 246 515 4163 2217 4134.606 4096.523  
## 4697 1.75e+08 10052 7 1 269 564 4186 2266 4157.904 4047.587  
## 4698 1.75e+08 10056 7 0 177 589 4094 2291 4066.011 4022.305  
## 4699 1.75e+08 10059 7 1 264 516 4181 2218 4152.931 4095.161  
## 4700 1.75e+08 10061 7 1 263 477 4180 2179 4151.572 4134.103  
## 4701 1.75e+08 10061 7 0 245 595 4162 2297 4134.286 4016.656  
## 4702 1.75e+08 10066 7 1 277 532 4194 2234 4165.898 4079.902  
## 4703 1.75e+08 10067 7 0 250 631 4167 2333 4138.877 3981.079  
## 4704 1.75e+08 10071 7 1 265 536 4182 2238 4154.243 4075.875  
## 4705 1.75e+08 10073 7 1 277 524 4194 2226 4165.642 4087.255  
## 4706 1.75e+08 10078 7 1 281 514 4198 2216 4169.566 4097.506  
## 4707 1.75e+08 10078 7 0 250 581 4167 2283 4138.523 4030.223  
## 4708 1.75e+08 10082 7 1 323 478 4240 2180 4211.872 4133.038  
## 4709 1.75e+08 10084 7 0 205 428 4122 2130 4094.065 4183.801  
## 4710 1.75e+08 10084 7 1 278 514 4195 2216 4166.641 4097.771  
## 4711 1.75e+08 10084 7 1 266 532 4183 2234 4154.578 4079.529  
## 4712 1.75e+08 10085 7 1 270 504 4187 2206 4159.323 4107.100  
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## 4714 1.75e+08 10089 7 1 289 500 4206 2202 4177.918 4111.478  
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## 4716 1.75e+08 10091 7 1 282 522 4199 2224 4171.197 4089.795  
## 4717 1.75e+08 10094 7 1 310 584 4227 2286 4199.193 4027.590  
## 4718 1.75e+08 10096 7 1 325 477 4242 2179 4213.898 4134.777  
## 4719 1.75e+08 10098 7 0 175 482 4092 2184 4064.100 4129.866  
## 4720 1.75e+08 10098 7 1 285 507 4202 2209 4173.935 4104.866  
## 4721 1.75e+08 10098 7 1 283 519 4200 2221 4172.273 4092.510  
## 4722 1.75e+08 10098 7 0 197 572 4114 2274 4086.016 4039.633  
## 4723 1.75e+08 10099 7 1 261 508 4178 2210 4150.341 4103.507  
## 4724 1.75e+08 10100 7 1 312 510 4229 2212 4200.895 4101.819  
## 4725 1.75e+08 10105 7 1 274 499 4191 2201 4163.214 4112.759  
## 4726 1.75e+08 10106 7 1 280 497 4197 2199 4168.665 4114.756  
## 4727 1.75e+08 10107 7 1 278 462 4195 2164 4166.688 4149.710  
## 4728 1.75e+08 10108 7 1 283 470 4200 2172 4172.269 4141.126  
## 4729 1.75e+08 10111 7 1 288 509 4205 2211 4177.304 4102.884  
## 4730 1.75e+08 10112 7 1 275 496 4192 2198 4164.210 4115.209  
## 4731 1.75e+08 10120 7 1 398 523 4315 2225 4287.163 4088.080  
## 4732 1.75e+08 10121 7 1 373 561 4290 2263 4261.434 4050.531  
## 4733 1.75e+08 10123 7 1 273 560 4190 2262 4161.527 4051.179  
## 4734 1.75e+08 10128 7 1 381 513 4298 2215 4269.847 4098.843  
## 4735 1.75e+08 10131 7 1 284 489 4201 2191 4173.288 4122.208  
## 4736 1.75e+08 10131 7 1 302 511 4219 2213 4190.589 4100.888  
## 4737 1.75e+08 10133 7 1 328 512 4245 2214 4216.954 4099.142  
## 4738 1.75e+08 10134 7 1 378 557 4295 2259 4266.864 4054.885  
## 4739 1.75e+08 10137 7 1 283 487 4200 2189 4172.432 4124.487  
## 4740 1.75e+08 10137 7 0 247 586 4164 2288 4136.426 4025.260  
## 4741 1.75e+08 10143 7 1 305 480 4222 2182 4194.028 4131.095  
## 4742 1.75e+08 10145 7 1 278 416 4195 2118 4167.477 4195.403  
## 4743 1.75e+08 10145 7 0 229 506 4146 2208 4118.501 4105.163  
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## 4748 1.75e+08 10161 7 1 291 486 4208 2188 4179.630 4125.473  
## 4749 1.75e+08 10167 7 1 367 585 4284 2287 4255.823 4026.941  
## 4750 1.75e+08 10168 7 1 370 475 4287 2177 4258.531 4136.410  
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## 4752 1.75e+08 10176 7 0 244 449 4161 2151 4133.333 4162.727  
## 4753 1.75e+08 10177 7 1 269 427 4186 2129 4158.038 4184.046  
## 4754 1.75e+08 10179 7 0 216 488 4133 2190 4104.725 4123.880  
## 4755 1.75e+08 10181 7 1 294 489 4211 2191 4182.609 4122.491  
## 4756 1.75e+08 10183 7 1 354 460 4271 2162 4242.901 4151.058  
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## 4766 1.75e+08 10210 7 1 315 494 4232 2196 4203.923 4117.487  
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## 4770 1.75e+08 10227 7 1 316 528 4233 2230 4204.504 4083.551  
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## 4772 1.75e+08 10233 7 1 397 462 4314 2164 4285.815 4149.409  
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## 4774 1.75e+08 10233 7 1 307 514 4224 2216 4195.513 4097.140  
## 4775 1.75e+08 10236 7 1 303 523 4220 2225 4191.911 4088.939  
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## 4788 1.75e+08 10252 7 1 258 540 4175 2242 4146.578 4071.209  
## 4789 1.75e+08 10252 7 1 294 589 4211 2291 4182.890 4023.021  
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## 4792 1.75e+08 10255 7 1 384 583 4301 2285 4272.768 4028.575  
## 4793 1.75e+08 10260 7 1 283 512 4200 2214 4171.946 4099.881  
## 4794 1.75e+08 10261 7 1 263 457 4180 2159 4152.007 4154.095  
## 4795 1.75e+08 10261 7 0 192 604 4109 2306 4081.017 4007.720  
## 4796 1.75e+08 10262 7 0 175 521 4092 2223 4064.471 4091.000  
## 4797 1.75e+08 10265 7 0 243 533 4160 2235 4132.264 4078.328  
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## 4799 1.75e+08 10268 7 1 272 598 4189 2300 4160.913 4014.048  
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## 4803 1.75e+08 10285 7 1 375 586 4292 2288 4263.411 4025.597  
## 4804 1.75e+08 10289 7 0 185 597 4102 2299 4074.049 4014.738  
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## 4806 1.75e+08 10290 7 0 251 497 4168 2199 4140.018 4114.224  
## 4807 1.75e+08 10290 7 1 285 527 4202 2229 4173.954 4084.587  
## 4808 1.75e+08 10290 7 0 247 540 4164 2242 4136.345 4071.627  
## 4809 1.75e+08 10293 7 1 324 540 4241 2242 4213.273 4071.585  
## 4810 1.75e+08 10296 7 1 335 588 4252 2290 4223.850 4023.272  
## 4811 1.75e+08 10299 7 1 280 469 4197 2171 4168.998 4142.505  
## 4812 1.75e+08 10300 7 1 273 516 4190 2218 4161.982 4095.573  
## 4813 1.75e+08 10300 7 0 244 540 4161 2242 4133.008 4071.985  
## 4814 1.75e+08 10301 7 1 289 530 4206 2232 4177.951 4081.582  
## 4815 1.75e+08 10303 7 1 294 507 4211 2209 4183.331 4104.551  
## 4816 1.75e+08 10303 7 1 335 525 4252 2227 4223.524 4086.552  
## 4817 1.75e+08 10306 7 1 286 530 4203 2232 4174.960 4081.592  
## 4818 1.75e+08 10320 7 1 292 518 4209 2220 4181.311 4093.569  
## 4819 1.75e+08 10320 7 0 227 523 4144 2225 4116.049 4088.615  
## 4820 1.75e+08 10321 7 1 364 573 4281 2275 4252.483 4038.601  
## 4821 1.75e+08 10323 7 0 230 556 4147 2258 4118.627 4055.273  
## 4822 1.75e+08 10324 7 1 281 522 4198 2224 4169.965 4089.587  
## 4823 1.75e+08 10325 7 1 289 500 4206 2202 4177.966 4111.553  
## 4824 1.75e+08 10326 7 0 173 512 4090 2214 4062.115 4099.639  
## 4825 1.75e+08 10326 7 1 280 521 4197 2223 4169.342 4090.588  
## 4826 1.75e+08 10327 7 1 263 407 4180 2109 4152.052 4204.444  
## 4827 1.75e+08 10327 7 1 284 499 4201 2201 4172.568 4112.558  
## 4828 1.75e+08 10328 7 0 183 533 4100 2235 4072.466 4078.664  
## 4829 1.75e+08 10333 7 1 294 598 4211 2300 4182.502 4014.072  
## 4830 1.75e+08 10333 7 0 202 600 4119 2302 4090.630 4011.745  
## 4831 1.75e+08 10336 7 0 245 531 4162 2233 4134.375 4080.624  
## 4832 1.75e+08 10336 7 1 280 537 4197 2239 4168.941 4074.611  
## 4833 1.75e+08 10337 7 1 361 567 4278 2269 4249.468 4044.605  
## 4834 1.75e+08 10339 7 1 325 470 4242 2172 4213.916 4141.111  
## 4835 1.75e+08 10340 7 0 161 547 4078 2249 4050.415 4064.374  
## 4836 1.75e+08 10342 7 1 274 481 4191 2183 4162.970 4130.162  
## 4837 1.75e+08 10346 7 1 276 521 4193 2223 4164.938 4090.245  
## 4838 1.75e+08 10347 7 1 270 506 4187 2208 4159.299 4105.570  
## 4839 1.75e+08 10348 7 1 337 541 4254 2243 4225.841 4070.200  
## 4840 1.75e+08 10350 7 0 244 508 4161 2210 4133.367 4103.585  
## 4841 1.75e+08 10350 7 1 277 511 4194 2213 4165.939 4100.936  
## 4842 1.75e+08 10353 7 1 264 521 4181 2223 4152.947 4090.593  
## 4843 1.75e+08 10353 7 1 282 524 4199 2226 4170.921 4087.965  
## 4844 1.75e+08 10356 7 1 312 400 4229 2102 4200.953 4211.779  
## 4845 1.75e+08 10360 7 0 220 507 4137 2209 4109.009 4104.263  
## 4846 1.75e+08 10365 7 0 245 466 4162 2168 4133.998 4145.539  
## 4847 1.75e+08 10366 7 1 309 514 4226 2216 4197.883 4097.946  
## 4848 1.75e+08 10371 7 1 315 529 4232 2231 4203.608 4082.309  
## 4849 1.75e+08 10374 7 0 241 609 4158 2311 4130.281 4002.736  
## 4850 1.75e+08 10379 7 1 276 506 4193 2208 4164.614 4105.591  
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## 4853 1.75e+08 10383 7 0 231 510 4148 2212 4119.666 4101.620  
## 4854 1.75e+08 10384 7 0 254 577 4171 2279 4142.946 4034.353  
## 4855 1.75e+08 10386 7 0 220 502 4137 2204 4109.039 4109.972  
## 4856 1.75e+08 10393 7 1 278 489 4195 2191 4166.585 4122.184  
## 4857 1.75e+08 10393 7 1 277 503 4194 2205 4165.966 4108.592  
## 4858 1.75e+08 10400 7 0 163 483 4080 2185 4051.848 4128.351  
## 4859 1.75e+08 10400 7 0 165 485 4082 2187 4054.121 4126.629  
## 4860 1.75e+08 10402 7 0 253 453 4170 2155 4142.395 4158.531  
## 4861 1.75e+08 10405 7 0 255 483 4172 2185 4144.385 4128.172  
## 4862 1.75e+08 10406 7 1 272 503 4189 2205 4161.231 4108.307  
## 4863 1.75e+08 10408 7 1 279 504 4196 2206 4168.340 4107.968  
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## 4865 1.75e+08 10414 7 1 266 500 4183 2202 4154.964 4111.968  
## 4866 1.75e+08 10418 7 1 364 558 4281 2260 4252.406 4053.215  
## 4867 1.75e+08 10419 7 1 364 557 4281 2259 4252.797 4054.236  
## 4868 1.75e+08 10419 7 1 364 559 4281 2261 4252.796 4052.976  
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## 4870 1.75e+08 10422 7 1 272 519 4189 2221 4160.627 4092.274  
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## 4872 1.75e+08 10426 7 1 298 514 4215 2216 4186.925 4097.204  
## 4873 1.75e+08 10430 7 1 366 562 4283 2264 4254.815 4049.585  
## 4874 1.75e+08 10432 7 1 282 467 4199 2169 4170.568 4144.099  
## 4875 1.75e+08 10433 7 1 289 544 4206 2246 4178.309 4067.617  
## 4876 1.75e+08 10434 7 0 230 511 4147 2213 4118.702 4100.283  
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## 4886 1.75e+08 10460 7 1 291 514 4208 2216 4179.913 4097.568  
## 4887 1.75e+08 10460 7 0 238 524 4155 2226 4126.980 4087.990  
## 4888 1.75e+08 10465 7 1 274 434 4191 2136 4162.983 4177.479  
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## 4890 1.75e+08 10467 7 1 297 514 4214 2216 4185.580 4097.259  
## 4891 1.75e+08 10470 7 0 230 543 4147 2245 4118.581 4069.054  
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## 4894 1.75e+08 10479 7 1 297 522 4214 2224 4185.893 4089.591  
## 4895 1.75e+08 10481 7 1 301 533 4218 2235 4189.498 4078.987  
## 4896 1.75e+08 10482 7 1 383 583 4300 2285 4271.746 4028.231  
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## 4900 1.75e+08 10487 7 1 301 533 4218 2235 4190.275 4078.584  
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## 4902 1.75e+08 10492 7 1 322 537 4239 2239 4210.874 4074.592  
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## 4909 1.75e+08 10506 7 1 299 556 4216 2258 4187.541 4055.652  
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## 4912 1.75e+08 10512 7 1 299 527 4216 2229 4187.898 4084.276  
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## 4915 1.75e+08 10515 7 1 325 535 4242 2237 4213.857 4076.614  
## 4916 1.75e+08 10519 7 0 231 564 4148 2266 4120.244 4047.435  
## 4917 1.75e+08 10520 7 1 374 459 4291 2161 4263.221 4152.096  
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## 4919 1.75e+08 10521 7 1 289 529 4206 2231 4177.904 4082.252  
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## 4921 1.75e+08 10522 7 1 321 422 4238 2124 4209.573 4189.468  
## 4922 1.75e+08 10522 7 1 390 458 4307 2160 4278.806 4153.129  
## 4923 1.75e+08 10522 7 0 185 531 4102 2233 4074.320 4080.975  
## 4924 1.75e+08 10522 7 1 390 585 4307 2287 4278.730 4027.018  
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## 4927 1.75e+08 10524 7 1 333 463 4250 2165 4221.508 4148.523  
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## 4930 1.75e+08 10525 7 0 209 513 4126 2215 4097.616 4098.271  
## 4931 1.75e+08 10526 7 1 338 455 4255 2157 4226.869 4156.890  
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## 4933 1.75e+08 10526 7 1 321 524 4238 2226 4210.236 4088.005  
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## 4949 1.75e+08 10531 7 0 246 472 4163 2174 4134.691 4139.874  
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## 4953 1.75e+08 10531 7 0 237 630 4154 2332 4125.605 3982.100  
## 4954 1.75e+08 10532 7 1 389 460 4306 2162 4277.767 4151.863  
## 4955 1.75e+08 10532 7 1 371 472 4288 2174 4259.784 4139.156  
## 4956 1.75e+08 10532 7 0 222 521 4139 2223 4110.585 4090.686  
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## 4958 1.75e+08 10532 7 1 397 586 4314 2288 4285.681 4025.671  
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## 4975 1.75e+08 10537 7 0 247 615 4164 2317 4135.477 3996.807  
## 4976 1.75e+08 10540 7 1 313 547 4230 2249 4201.777 4064.303  
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## 4978 1.75e+08 10546 7 1 317 546 4234 2248 4205.389 4065.287  
## 4979 1.75e+08 10548 7 1 295 537 4212 2239 4183.819 4074.676  
## 4980 1.75e+08 10552 7 0 251 523 4168 2225 4140.276 4088.680  
## 4981 1.75e+08 10553 7 0 230 465 4147 2167 4118.963 4146.992  
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## 4983 1.75e+08 10554 7 0 230 570 4147 2272 4119.270 4041.754  
## 4984 1.75e+08 10554 7 1 388 573 4305 2275 4277.073 4038.272  
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## 4986 1.75e+08 10555 7 1 363 425 4280 2127 4251.804 4186.855  
## 4987 1.75e+08 10555 7 1 385 538 4302 2240 4274.092 4073.229  
## 4988 1.75e+08 10555 7 1 311 593 4228 2295 4199.429 4018.735  
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## 4990 1.75e+08 10556 7 1 311 584 4228 2286 4199.509 4027.990  
## 4991 1.75e+08 10558 7 1 369 445 4286 2147 4257.505 4166.213  
## 4992 1.75e+08 10558 7 1 406 477 4323 2179 4295.098 4134.897  
## 4993 1.75e+08 10558 7 1 334 519 4251 2221 4222.787 4092.613  
## 4994 1.75e+08 10558 7 1 362 584 4279 2286 4250.339 4027.685  
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## 4996 1.75e+08 10559 7 1 396 540 4313 2242 4284.367 4071.282  
## 4997 1.75e+08 10560 7 1 285 484 4202 2186 4174.252 4127.591  
## 4998 1.75e+08 10560 7 1 374 519 4291 2221 4262.731 4092.205  
## 4999 1.75e+08 10561 7 1 319 462 4236 2164 4207.518 4149.220  
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## 5001 1.75e+08 10561 7 1 368 476 4285 2178 4256.765 4135.176  
## 5002 1.75e+08 10561 7 0 208 505 4125 2207 4097.242 4106.941  
## 5003 1.75e+08 10561 7 1 299 542 4216 2244 4187.498 4069.985  
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## 5007 1.75e+08 10562 7 1 284 441 4201 2143 4172.518 4170.919  
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## 5009 1.75e+08 10563 7 1 301 561 4218 2263 4190.185 4050.688  
## 5010 1.75e+08 10563 7 0 230 611 4147 2313 4118.495 4000.415  
## 5011 1.75e+08 10564 7 1 263 437 4180 2139 4151.553 4174.928  
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## 5082 1.75e+08 10587 7 1 359 408 4276 2110 4247.450 4203.821  
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## 5085 1.75e+08 10588 7 1 306 423 4223 2125 4194.899 4188.131  
## 5086 1.75e+08 10588 7 1 323 424 4240 2126 4211.602 4187.748  
## 5087 1.75e+08 10588 7 0 227 458 4144 2160 4115.986 4153.209  
## 5088 1.75e+08 10588 7 1 374 468 4291 2170 4262.780 4143.505  
## 5089 1.75e+08 10588 7 1 333 488 4250 2190 4222.215 4123.165  
## 5090 1.75e+08 10588 7 0 239 553 4156 2255 4128.304 4058.311  
## 5091 1.75e+08 10588 7 1 351 605 4268 2307 4239.730 4006.706  
## 5092 1.75e+08 10589 7 1 280 490 4197 2192 4168.895 4121.589  
## 5093 1.75e+08 10590 7 1 264 389 4181 2091 4152.979 4222.809  
## 5094 1.75e+08 10590 7 1 309 393 4226 2095 4197.914 4218.054  
## 5095 1.75e+08 10590 7 1 284 467 4201 2169 4173.176 4144.283  
## 5096 1.75e+08 10590 7 0 248 608 4165 2310 4136.870 4004.111  
## 5097 1.75e+08 10591 7 1 312 509 4229 2211 4200.565 4102.319  
## 5098 1.75e+08 10591 7 0 255 514 4172 2216 4144.258 4097.636  
## 5099 1.75e+08 10592 7 1 258 563 4175 2265 4146.610 4048.976  
## 5100 1.75e+08 10594 7 0 199 439 4116 2141 4087.665 4172.562  
## 5101 1.75e+08 10596 7 0 239 408 4156 2110 4127.615 4203.883  
## 5102 1.75e+08 10596 7 0 233 470 4150 2172 4122.341 4141.583  
## 5103 1.75e+08 10596 7 1 355 470 4272 2172 4244.160 4141.510  
## 5104 1.75e+08 10597 7 1 285 508 4202 2210 4173.879 4103.602  
## 5105 1.75e+08 10598 7 1 267 538 4184 2240 4155.887 4073.653  
## 5106 1.75e+08 10599 7 0 215 408 4132 2110 4104.453 4203.085  
## 5107 1.75e+08 10599 7 1 340 442 4257 2144 4229.226 4169.474  
## 5108 1.75e+08 10600 7 0 255 597 4172 2299 4143.871 4014.738  
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## 5116 1.75e+08 10608 7 1 296 554 4213 2256 4184.875 4057.668  
## 5117 1.75e+08 10609 7 0 249 510 4166 2212 4138.312 4101.638  
## 5118 1.75e+08 10611 7 0 238 502 4155 2204 4126.984 4109.638  
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## 5123 1.75e+08 10619 7 1 312 545 4229 2247 4200.881 4066.675  
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## 5126 1.75e+08 10620 7 1 316 574 4233 2276 4205.236 4037.717  
## 5127 1.75e+08 10621 7 0 220 492 4137 2194 4108.770 4119.389  
## 5128 1.75e+08 10621 7 1 332 533 4249 2235 4220.871 4078.288  
## 5129 1.75e+08 10622 7 1 317 403 4234 2105 4205.590 4208.108  
## 5130 1.75e+08 10623 7 1 293 427 4210 2129 4181.726 4184.269  
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## 5137 1.75e+08 10627 7 0 253 505 4170 2207 4141.744 4106.951  
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## 5141 1.75e+08 10629 7 1 341 460 4258 2162 4229.917 4151.563  
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## 5152 1.75e+08 10635 7 0 241 512 4158 2214 4130.384 4100.061  
## 5153 1.75e+08 10636 7 1 287 504 4204 2206 4175.938 4107.636  
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## 5174 1.75e+08 10647 7 0 243 436 4160 2138 4132.381 4175.562  
## 5175 1.75e+08 10647 7 0 183 468 4100 2170 4072.084 4143.642  
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## 5177 1.75e+08 10647 7 1 269 504 4186 2206 4157.568 4107.641  
## 5178 1.75e+08 10647 7 1 283 507 4200 2209 4171.549 4104.636  
## 5179 1.75e+08 10647 7 0 236 582 4153 2284 4124.555 4030.156  
## 5180 1.75e+08 10650 7 1 279 463 4196 2165 4167.536 4148.993  
## 5181 1.75e+08 10650 7 1 283 517 4200 2219 4172.193 4094.925  
## 5182 1.75e+08 10652 7 0 191 429 4108 2131 4080.363 4182.854  
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## 5194 1.75e+08 10654 7 1 265 540 4182 2242 4153.536 4071.302  
## 5195 1.75e+08 10654 7 0 193 556 4110 2258 4082.391 4055.751  
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## 5200 1.75e+08 10654 7 0 200 595 4117 2297 4088.977 4017.179  
## 5201 1.75e+08 10655 7 1 322 400 4239 2102 4211.312 4211.080  
## 5202 1.75e+08 10655 7 1 284 426 4201 2128 4172.966 4185.879  
## 5203 1.75e+08 10655 7 1 290 445 4207 2147 4178.604 4166.543  
## 5204 1.75e+08 10655 7 1 350 498 4267 2200 4238.452 4113.961  
## 5205 1.75e+08 10655 7 0 249 528 4166 2230 4137.953 4083.681  
## 5206 1.75e+08 10655 7 1 361 533 4278 2235 4250.149 4078.268  
## 5207 1.75e+08 10656 7 1 280 509 4197 2211 4169.314 4102.246  
## 5208 1.75e+08 10656 7 1 339 606 4256 2308 4228.199 4005.319  
## 5209 1.75e+08 10657 7 1 267 487 4184 2189 4155.675 4124.890  
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## 5212 1.75e+08 10657 7 1 325 606 4242 2308 4214.189 4005.354  
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## 5215 1.75e+08 10658 7 0 246 594 4163 2296 4134.640 4018.050  
## 5216 1.75e+08 10658 7 1 295 601 4212 2303 4184.228 4011.137  
## 5217 1.75e+08 10660 7 1 274 506 4191 2208 4163.324 4106.042  
## 5218 1.75e+08 10660 7 0 224 510 4141 2212 4112.995 4101.682  
## 5219 1.75e+08 10660 7 0 169 515 4086 2217 4057.672 4096.327  
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## 5229 1.75e+08 10664 7 0 196 599 4113 2301 4084.981 4012.439  
## 5230 1.75e+08 10665 7 1 260 395 4177 2097 4149.294 4216.224  
## 5231 1.75e+08 10665 7 1 279 521 4196 2223 4167.502 4091.077  
## 5232 1.75e+08 10666 7 1 354 441 4271 2143 4242.486 4170.509  
## 5233 1.75e+08 10666 7 1 272 507 4189 2209 4160.610 4104.326  
## 5234 1.75e+08 10666 7 0 165 542 4082 2244 4054.332 4070.033  
## 5235 1.75e+08 10666 7 1 344 566 4261 2268 4233.145 4045.686  
## 5236 1.75e+08 10666 7 1 280 620 4197 2322 4168.579 3992.073  
## 5237 1.75e+08 10667 7 1 276 469 4193 2171 4164.626 4142.272  
## 5238 1.75e+08 10670 7 1 331 562 4248 2264 4219.815 4049.684  
## 5239 1.75e+08 10671 7 0 174 457 4091 2159 4063.505 4154.216  
## 5240 1.75e+08 10673 7 0 217 491 4134 2193 4105.619 4120.262  
## 5241 1.75e+08 10673 7 1 258 498 4175 2200 4147.323 4113.635  
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## 5248 1.75e+08 10681 7 1 336 544 4253 2246 4225.080 4067.385  
## 5249 1.75e+08 10683 7 1 277 521 4194 2223 4165.558 4090.665  
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## 5254 1.75e+08 10691 7 1 371 489 4288 2191 4259.798 4122.561  
## 5255 1.75e+08 10692 7 0 246 462 4163 2164 4135.263 4149.319  
## 5256 1.75e+08 10694 7 1 313 534 4230 2236 4201.505 4077.651  
## 5257 1.75e+08 10695 7 1 347 434 4264 2136 4235.589 4177.771  
## 5258 1.75e+08 10695 7 0 174 503 4091 2205 4062.685 4108.690  
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## 5260 1.75e+08 10701 7 1 285 527 4202 2229 4173.904 4084.649  
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## 5262 1.75e+08 10703 7 1 275 528 4192 2230 4164.198 4083.381  
## 5263 1.75e+08 10703 7 1 308 549 4225 2251 4196.862 4063.048  
## x y pha pha\_ro energy pi fltgrade grade  
## 1 4106.614 4112.823 436 408 2071.2397 142 11 6  
## 2 4131.315 4111.262 357 331 1698.7628 117 64 2  
## 3 4114.870 4051.548 640 606 2876.3787 198 2 2  
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## 20 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 21 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 22 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 23 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 24 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 25 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 26 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 27 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 28 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 29 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 30 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 31 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 32 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 33 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 34 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 35 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 36 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 37 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 38 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 39 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 40 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 41 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 42 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 43 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 44 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 45 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 46 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 47 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 48 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 49 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 50 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 51 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 52 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 53 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 54 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 55 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 56 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 57 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 58 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 59 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 60 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 61 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 62 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 63 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 64 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 65 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 66 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 67 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 68 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 69 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 70 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 71 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 72 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 73 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 74 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 75 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 76 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 77 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 78 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 79 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 80 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 81 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 82 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 83 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 84 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 85 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 86 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 87 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 88 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 89 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 90 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 91 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 92 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 93 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 94 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 95 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 96 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 97 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 98 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 99 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 100 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 101 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 102 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 103 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 104 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 105 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 106 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 107 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 108 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 109 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 110 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 111 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 112 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 113 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 114 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 115 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 116 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 117 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 118 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 119 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 120 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 121 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 122 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 123 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 124 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 125 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 126 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 127 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 128 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 129 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 130 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 131 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 132 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 133 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 134 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 135 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 136 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 137 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 138 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 139 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 140 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 141 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 142 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 143 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 144 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 145 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 146 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 147 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 148 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 149 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 150 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 151 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 152 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 153 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 154 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 155 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 156 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 157 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 158 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 159 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 160 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 161 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 162 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 163 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 164 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 165 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 166 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 167 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 168 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 169 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 170 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 171 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 172 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 173 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 174 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 175 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 176 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 177 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 178 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 179 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 180 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 181 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 182 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 183 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 184 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 185 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 186 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 187 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 188 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 189 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 190 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 191 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 192 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 193 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 194 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 195 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 196 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 197 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 198 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 199 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 200 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 201 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 202 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 203 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 204 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 205 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 206 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 207 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 208 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 209 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 210 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 211 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 212 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 213 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 214 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 215 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 216 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 217 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 218 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 219 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 220 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 221 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 222 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 223 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 224 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 225 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 226 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 227 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 228 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 229 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 230 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 231 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 232 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 233 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 234 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 235 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 236 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 237 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 238 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 239 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 240 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 241 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 242 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 243 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 244 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 245 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 246 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 247 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 248 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 249 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 250 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 251 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 252 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 253 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 254 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 255 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 256 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 257 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 258 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 259 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 260 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 261 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 262 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 263 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 264 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 265 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 266 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 267 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 268 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 269 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 270 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 271 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 272 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 273 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 274 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 275 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 276 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 277 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 278 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 279 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 280 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 281 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 282 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 283 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 284 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 285 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 286 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 287 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 288 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 289 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 290 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 291 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 292 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 293 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 294 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 295 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 296 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 297 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 298 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 299 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 300 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 301 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 302 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 303 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 304 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 305 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 306 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 307 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 308 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 309 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 310 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 311 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 312 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 313 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 314 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 315 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 316 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 317 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 318 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 319 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 320 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 321 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 322 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 323 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 324 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 325 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 326 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 327 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 328 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 329 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 330 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 331 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 332 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 333 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 334 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 335 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 336 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 337 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 338 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 339 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 340 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 341 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 342 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 343 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 344 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 345 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 346 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 347 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 348 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 349 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 350 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 351 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 352 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 353 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 354 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 355 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 356 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 357 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 358 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 359 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 360 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 361 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 362 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 363 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 364 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 365 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 366 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 367 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 368 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 369 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 370 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 371 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 372 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 373 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 374 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 375 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 376 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 377 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 378 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 379 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 380 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 381 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 382 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 383 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 384 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 385 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 386 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 387 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 388 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 389 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 390 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 391 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 392 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 393 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 394 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 395 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 396 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 397 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 398 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 399 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 400 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 401 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 402 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 403 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 404 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 405 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 406 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 407 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 408 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 409 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 410 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 411 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 412 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 413 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 414 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 415 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 416 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 417 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 418 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 419 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 420 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 421 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 422 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 423 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 424 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 425 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 426 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 427 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 428 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 429 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 430 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 431 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 432 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 433 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 434 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 435 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 436 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 437 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 438 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 439 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 440 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 441 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 442 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 443 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 444 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 445 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 446 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 447 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 448 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 449 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 450 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 451 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 452 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 453 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 454 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 455 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 456 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 457 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 458 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 459 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 460 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 461 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 462 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 463 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 464 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 465 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 466 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 467 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 468 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 469 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 470 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 471 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 472 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 473 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 474 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 475 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 476 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 477 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 478 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 479 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 480 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 481 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 482 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 483 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 484 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 485 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 486 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 487 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 488 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 489 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 490 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 491 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 492 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 493 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 494 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 495 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 496 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 497 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 498 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 499 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 500 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 501 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 502 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 503 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 504 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 505 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 506 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 507 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 508 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 509 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 510 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 511 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 512 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 513 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 514 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 515 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 516 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 517 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 518 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 519 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 520 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 521 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 522 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 523 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 524 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 525 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 526 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 527 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 528 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 529 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 530 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 531 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 532 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 533 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 534 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 535 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 536 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 537 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 538 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 539 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 540 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 541 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 542 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 543 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 544 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 545 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 546 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 547 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 548 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 549 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 550 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 551 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 552 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 553 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 554 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 555 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 556 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 557 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 558 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 559 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 560 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 561 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 562 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 563 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 564 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 565 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 566 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 567 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 568 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 569 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 570 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 571 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 572 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 573 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 574 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 575 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 576 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 577 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 578 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 579 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 580 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 581 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 582 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 583 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 584 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 585 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 586 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 587 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 588 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 589 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 590 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 591 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 592 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 593 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 594 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 595 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 596 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 597 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 598 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 599 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 600 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 601 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 602 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 603 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 604 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 605 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 606 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 607 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 608 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 609 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 610 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 611 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 612 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 613 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 614 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 615 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 616 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 617 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 618 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 619 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 620 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 621 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 622 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 623 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 624 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 625 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 626 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 627 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 628 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 629 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 630 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 631 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 632 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 633 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 634 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 635 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 636 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 637 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 638 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 639 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 640 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 641 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 642 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 643 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 644 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 645 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 646 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 647 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 648 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 649 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 650 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 651 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 652 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 653 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 654 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 655 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 656 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 657 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 658 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 659 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 660 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 661 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 662 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 663 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 664 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 665 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 666 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 667 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 668 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 669 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 670 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 671 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 672 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 673 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 674 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 675 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 676 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 677 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 678 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 679 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 680 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 681 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 682 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 683 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 684 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 685 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 686 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 687 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 688 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 689 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 690 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 691 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 692 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 693 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 694 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 695 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 696 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 697 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 698 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 699 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 700 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 701 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 702 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 703 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 704 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 705 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 706 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 707 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 708 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 709 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 710 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 711 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 712 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 713 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 714 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 715 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 716 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 717 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 718 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 719 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 720 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 721 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 722 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 723 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 724 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 725 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 726 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 727 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 728 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 729 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 730 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 731 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 732 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 733 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 734 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 735 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 736 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 737 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 738 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 739 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 740 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 741 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 742 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 743 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 744 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 745 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 746 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 747 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 748 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 749 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 750 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 751 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 752 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 753 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 754 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 755 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 756 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 757 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 758 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 759 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 760 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 761 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 762 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 763 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 764 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 765 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 766 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 767 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 768 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 769 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 770 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 771 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 772 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 773 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 774 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 775 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 776 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 777 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 778 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 779 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 780 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 781 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 782 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 783 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 784 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 785 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 786 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 787 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 788 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 789 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 790 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 791 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 792 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 793 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 794 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 795 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 796 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 797 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 798 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 799 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 800 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 801 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 802 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 803 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 804 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 805 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 806 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 807 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 808 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 809 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 810 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 811 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 812 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 813 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 814 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 815 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 816 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 817 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 818 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 819 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 820 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 821 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 822 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 823 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 824 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 825 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 826 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 827 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 828 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 829 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 830 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 831 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 832 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 833 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 834 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 835 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 836 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 837 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 838 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 839 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 840 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 841 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 842 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 843 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 844 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 845 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 846 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 847 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 848 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 849 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 850 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 851 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 852 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 853 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 854 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 855 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 856 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 857 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 858 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 859 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 860 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 861 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 862 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 863 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 864 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 865 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 866 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 867 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 868 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 869 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 870 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 871 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 872 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 873 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 874 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 875 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 876 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 877 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 878 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 879 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 880 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 881 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 882 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 883 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 884 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 885 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 886 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 887 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 888 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 889 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 890 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 891 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 892 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 893 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 894 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 895 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 896 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 897 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 898 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 899 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 900 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 901 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 902 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 903 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 904 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 905 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 906 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 907 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 908 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 909 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 910 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 911 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 912 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 913 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 914 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 915 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 916 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 917 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 918 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 919 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 920 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 921 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 922 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 923 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 924 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 925 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 926 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 927 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 928 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 929 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 930 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 931 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 932 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 933 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 934 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 935 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 936 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 937 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 938 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 939 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 940 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 941 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 942 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 943 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 944 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 945 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 946 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 947 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 948 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 949 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 950 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 951 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 952 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 953 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 954 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 955 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 956 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 957 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 958 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 959 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 960 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 961 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 962 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 963 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 964 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 965 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 966 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 967 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 968 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 969 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 970 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 971 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 972 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 973 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 974 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 975 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 976 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 977 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 978 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 979 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 980 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 981 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 982 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 983 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 984 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 985 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 986 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 987 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 988 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 989 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 990 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 991 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 992 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 993 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 994 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 995 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 996 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 997 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 998 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 999 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1000 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1001 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1002 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1003 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1004 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1005 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1006 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1007 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1008 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1009 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1010 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1011 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1012 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1013 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1014 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1015 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1016 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1017 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1018 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1019 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1020 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1021 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1022 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1023 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1024 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1025 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1026 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1027 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1028 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1029 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1030 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1031 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1032 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1033 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1034 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1035 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1036 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1037 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1038 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1039 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1040 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1041 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1042 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1043 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1044 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1045 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1046 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1047 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1048 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1049 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1050 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1051 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1052 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1053 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1054 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1055 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1056 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1057 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1058 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1059 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1060 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1061 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1062 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1063 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1064 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1065 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1066 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1067 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1068 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1069 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1070 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1071 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1072 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1073 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1074 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1075 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1076 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1077 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1078 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1079 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1080 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1081 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1082 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1083 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1084 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1085 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1086 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1087 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1088 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1089 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1090 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1091 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1092 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1093 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1094 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1095 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1096 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1097 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1098 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1099 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1100 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1101 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1102 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1103 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1104 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1105 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1106 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1107 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1108 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1109 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1110 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1111 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1112 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1113 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1114 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1115 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1116 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1117 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1118 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1119 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1120 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1121 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1122 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1123 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1124 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1125 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1126 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1127 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1128 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1129 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1130 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1131 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1132 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1133 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1134 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1135 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1136 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1137 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1138 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1139 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1140 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1141 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1142 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1143 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1144 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1145 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1146 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1147 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1148 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1149 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1150 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1151 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1152 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1153 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1154 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1155 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1156 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1157 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1158 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1159 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1160 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1161 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1162 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1163 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1164 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1165 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1166 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1167 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1168 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1169 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1170 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1171 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1172 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1173 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1174 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1175 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1176 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1177 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1178 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1179 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1180 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1181 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1182 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1183 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1184 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1185 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1186 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1187 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1188 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1189 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1190 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1191 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1192 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1193 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1194 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1195 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1196 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1197 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1198 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1199 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1200 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1201 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1202 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1203 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1204 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1205 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1206 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1207 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1208 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1209 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1210 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1211 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1212 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1213 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1214 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1215 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1216 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1217 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1218 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1219 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1220 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1221 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1222 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1223 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1224 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1225 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1226 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1227 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1228 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1229 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1230 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1231 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1232 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1233 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1234 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1235 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1236 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1237 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1238 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1239 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1240 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1241 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1242 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1243 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1244 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1245 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1246 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1247 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1248 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1249 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1250 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1251 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1252 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1253 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1254 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1255 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1256 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1257 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1258 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1259 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1260 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1261 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1262 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1263 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1264 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1265 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1266 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1267 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1268 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1269 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1270 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1271 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1272 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1273 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1274 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1275 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1276 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1277 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1278 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1279 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1280 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1281 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1282 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1283 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1284 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1285 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1286 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1287 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1288 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1289 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1290 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1291 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1292 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1293 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1294 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1295 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1296 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1297 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1298 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1299 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1300 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1301 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1302 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1303 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1304 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1305 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1306 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1307 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1308 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1309 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1310 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1311 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1312 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1313 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1314 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1315 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1316 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1317 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1318 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1319 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1320 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1321 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1322 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1323 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1324 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1325 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1326 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1327 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1328 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1329 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1330 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1331 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1332 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1333 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1334 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1335 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1336 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1337 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1338 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1339 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1340 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1341 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1342 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1343 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1344 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1345 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1346 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1347 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1348 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1349 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1350 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1351 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1352 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1353 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1354 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1355 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1356 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1357 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1358 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1359 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1360 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1361 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1362 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1363 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1364 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1365 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1366 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1367 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1368 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1369 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1370 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1371 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1372 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1373 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1374 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1375 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1376 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1377 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1378 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1379 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1380 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1381 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1382 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1383 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1384 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1385 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1386 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1387 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1388 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1389 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1390 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1391 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1392 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1393 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1394 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1395 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1396 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1397 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1398 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1399 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1400 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1401 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1402 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1403 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1404 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1405 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1406 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1407 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1408 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1409 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1410 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1411 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1412 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1413 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1414 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1415 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1416 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1417 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1418 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1419 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1420 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1421 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1422 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1423 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1424 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1425 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1426 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1427 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1428 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1429 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1430 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1431 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1432 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1433 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1434 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1435 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1436 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1437 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1438 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1439 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1440 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1441 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1442 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1443 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1444 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1445 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1446 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1447 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1448 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1449 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1450 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1451 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1452 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1453 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1454 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1455 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1456 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1457 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1458 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1459 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1460 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1461 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1462 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1463 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1464 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1465 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1466 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1467 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1468 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1469 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1470 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1471 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1472 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1473 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1474 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1475 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1476 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1477 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1478 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1479 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1480 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1481 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1482 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1483 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1484 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1485 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1486 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1487 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1488 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1489 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1490 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1491 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1492 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1493 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1494 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1495 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1496 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1497 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1498 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1499 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1500 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1501 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1502 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1503 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1504 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1505 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1506 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1507 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1508 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1509 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1510 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1511 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1512 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1513 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1514 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1515 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1516 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1517 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1518 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1519 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1520 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1521 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1522 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1523 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1524 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1525 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1526 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1527 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1528 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1529 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1530 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1531 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1532 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1533 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1534 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1535 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1536 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1537 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1538 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1539 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1540 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1541 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1542 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1543 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1544 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1545 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1546 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1547 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1548 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1549 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1550 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1551 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1552 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1553 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1554 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1555 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1556 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1557 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1558 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1559 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1560 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1561 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1562 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1563 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1564 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1565 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1566 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1567 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1568 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1569 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1570 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1571 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1572 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1573 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1574 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1575 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1576 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1577 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1578 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1579 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1580 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1581 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1582 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1583 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1584 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1585 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1586 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1587 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1588 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1589 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1590 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1591 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1592 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1593 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1594 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1595 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1596 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1597 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1598 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1599 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1600 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1601 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1602 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1603 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1604 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1605 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1606 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1607 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1608 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1609 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1610 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1611 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1612 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1613 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1614 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1615 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1616 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1617 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1618 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1619 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1620 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1621 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1622 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1623 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1624 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1625 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1626 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1627 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1628 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1629 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1630 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1631 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1632 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1633 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1634 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1635 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1636 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1637 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1638 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1639 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1640 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1641 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1642 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1643 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1644 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1645 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1646 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1647 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1648 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1649 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1650 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1651 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1652 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1653 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1654 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1655 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1656 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1657 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1658 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1659 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1660 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1661 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1662 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1663 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1664 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1665 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1666 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1667 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1668 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1669 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1670 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1671 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1672 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1673 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1674 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1675 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1676 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1677 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1678 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1679 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1680 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1681 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1682 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1683 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1684 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1685 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1686 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1687 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1688 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1689 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1690 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1691 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1692 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1693 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1694 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1695 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1696 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1697 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1698 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1699 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1700 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1701 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1702 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1703 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1704 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1705 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1706 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1707 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1708 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1709 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1710 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1711 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1712 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1713 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1714 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1715 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1716 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1717 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1718 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1719 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1720 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1721 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1722 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1723 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1724 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1725 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1726 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1727 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1728 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1729 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1730 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1731 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1732 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1733 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1734 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1735 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1736 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1737 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1738 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1739 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1740 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1741 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1742 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1743 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1744 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1745 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1746 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1747 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1748 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1749 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1750 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1751 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1752 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1753 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1754 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1755 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1756 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1757 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1758 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1759 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1760 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1761 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1762 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1763 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1764 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1765 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1766 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1767 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1768 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1769 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1770 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1771 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1772 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1773 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1774 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1775 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1776 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1777 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1778 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1779 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1780 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1781 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1782 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1783 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1784 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1785 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1786 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1787 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1788 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1789 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1790 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1791 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1792 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1793 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1794 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1795 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1796 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1797 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1798 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1799 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1800 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1801 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1802 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1803 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1804 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1805 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1806 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1807 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1808 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1809 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1810 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1811 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1812 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1813 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1814 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1815 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1816 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1817 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1818 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1819 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1820 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1821 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1822 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1823 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1824 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1825 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1826 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1827 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1828 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1829 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1830 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1831 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1832 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1833 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1834 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1835 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1836 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1837 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1838 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1839 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1840 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1841 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1842 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1843 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1844 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1845 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1846 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1847 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1848 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1849 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1850 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1851 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1852 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1853 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1854 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1855 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1856 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1857 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1858 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1859 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1860 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1861 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1862 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1863 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1864 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1865 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1866 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1867 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1868 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1869 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1870 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1871 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1872 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1873 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1874 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1875 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1876 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1877 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1878 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1879 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1880 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1881 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1882 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1883 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1884 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1885 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1886 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1887 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1888 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1889 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1890 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1891 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1892 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1893 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1894 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1895 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1896 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1897 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1898 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1899 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1900 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1901 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1902 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1903 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1904 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1905 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1906 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1907 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1908 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1909 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1910 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1911 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1912 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1913 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1914 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1915 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1916 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1917 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1918 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1919 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1920 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1921 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1922 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1923 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1924 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1925 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
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## 1927 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1928 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1929 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1930 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1931 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1932 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1933 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1934 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1935 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1936 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1937 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1938 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1939 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1940 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1941 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1942 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1943 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1944 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1945 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1946 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1947 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1948 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1949 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1950 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1951 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1952 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1953 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1954 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1955 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1956 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1957 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1958 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1959 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1960 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1961 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1962 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1963 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1964 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1965 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1966 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1967 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1968 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1969 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1970 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1971 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1972 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1973 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1974 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1975 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1976 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1977 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1978 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1979 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1980 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1981 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1982 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1983 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1984 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1985 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1986 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1987 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1988 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1989 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1990 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1991 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1992 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1993 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1994 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1995 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1996 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1997 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1998 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 1999 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2000 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2001 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2002 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2003 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2004 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2005 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2006 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2007 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2008 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2009 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2010 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2011 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2012 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2013 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2014 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2015 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2016 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2017 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2018 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2019 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2020 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2021 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2022 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2023 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2024 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2025 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2026 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2027 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2028 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2029 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2030 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2031 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2032 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2033 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2034 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2035 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2036 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2037 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2038 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2039 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2040 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2041 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2042 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2043 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2044 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2045 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2046 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2047 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2048 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2049 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2050 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2051 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2052 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2053 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2054 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2055 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2056 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2057 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2058 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2059 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2060 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2061 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2062 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2063 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2064 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2065 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2066 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2067 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2068 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2069 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2070 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2071 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2072 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2073 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2074 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2075 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2076 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2077 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2078 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2079 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2080 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2081 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2082 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2083 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2084 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2085 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2086 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2087 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2088 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2089 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2090 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2091 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2092 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2093 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2094 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2095 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2096 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2097 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2098 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2099 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2100 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2101 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2102 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2103 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2104 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2105 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2106 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2107 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2108 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2109 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2110 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2111 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2112 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2113 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2114 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2115 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2116 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2117 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2118 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2119 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2120 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2121 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2122 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2123 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2124 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2125 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2126 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2127 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2128 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2129 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2130 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2131 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2132 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2133 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2134 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2135 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2136 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2137 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2138 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2139 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2140 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2141 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2142 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2143 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2144 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2145 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2146 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2147 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2148 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2149 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2150 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2151 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2152 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2153 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2154 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2155 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2156 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2157 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2158 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2159 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2160 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2161 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2162 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2163 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2164 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2165 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2166 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2167 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2168 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2169 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2170 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2171 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2172 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2173 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2174 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2175 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2176 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2177 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2178 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2179 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2180 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2181 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2182 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2183 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2184 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2185 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2186 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2187 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2188 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2189 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2190 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2191 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2192 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2193 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2194 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2195 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2196 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2197 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2198 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2199 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2200 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2201 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2202 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2203 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2204 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2205 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2206 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2207 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2208 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2209 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2210 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2211 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2212 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2213 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2214 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2215 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2216 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2217 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2218 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2219 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2220 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2221 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2222 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2223 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2224 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2225 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2226 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2227 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2228 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2229 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2230 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2231 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2232 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2233 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2234 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2235 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2236 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2237 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2238 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2239 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2240 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2241 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2242 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2243 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2244 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2245 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2246 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2247 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2248 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2249 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2250 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2251 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2252 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2253 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2254 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2255 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2256 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2257 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2258 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2259 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2260 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2261 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2262 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2263 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2264 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2265 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2266 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2267 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2268 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2269 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2270 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2271 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2272 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2273 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2274 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2275 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2276 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2277 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2278 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2279 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2280 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2281 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2282 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2283 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2284 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2285 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2286 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2287 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2288 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2289 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2290 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2291 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2292 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2293 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2294 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2295 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2296 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2297 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2298 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2299 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2300 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2301 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2302 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2303 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2304 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2305 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2306 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2307 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2308 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2309 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2310 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2311 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2312 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2313 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2314 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2315 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2316 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2317 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2318 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2319 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2320 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2321 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2322 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2323 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2324 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2325 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2326 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2327 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2328 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2329 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2330 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2331 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2332 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2333 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2334 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2335 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2336 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2337 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2338 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2339 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2340 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2341 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2342 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2343 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2344 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2345 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2346 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2347 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2348 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2349 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2350 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2351 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2352 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2353 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2354 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2355 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2356 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2357 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2358 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2359 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2360 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2361 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2362 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2363 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2364 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2365 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2366 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2367 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2368 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2369 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2370 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2371 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2372 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2373 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2374 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2375 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2376 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2377 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2378 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2379 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2380 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2381 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2382 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2383 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2384 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2385 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2386 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2387 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2388 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2389 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2390 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2391 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2392 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2393 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2394 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2395 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2396 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2397 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2398 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2399 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2400 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2401 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2402 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2403 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2404 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2405 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2406 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2407 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2408 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2409 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2410 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2411 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2412 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2413 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2414 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2415 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2416 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2417 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2418 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2419 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2420 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2421 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2422 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2423 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2424 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2425 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2426 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2427 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2428 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2429 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2430 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2431 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2432 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2433 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2434 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2435 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2436 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2437 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2438 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2439 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2440 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2441 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2442 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2443 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2444 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2445 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2446 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2447 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2448 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2449 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2450 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2451 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2452 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2453 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2454 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2455 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2456 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2457 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2458 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2459 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2460 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2461 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2462 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2463 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2464 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2465 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2466 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2467 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2468 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2469 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2470 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2471 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2472 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2473 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2474 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2475 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2476 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2477 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2478 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2479 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2480 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2481 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2482 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2483 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2484 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2485 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2486 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2487 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2488 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2489 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2490 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2491 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2492 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2493 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2494 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2495 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2496 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2497 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2498 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2499 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2500 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2501 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2502 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2503 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2504 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2505 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2506 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2507 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2508 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2509 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2510 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2511 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2512 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2513 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2514 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2515 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2516 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2517 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2518 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2519 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2520 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2521 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2522 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2523 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2524 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2525 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2526 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2527 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2528 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2529 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2530 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2531 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2532 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2533 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2534 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2535 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2536 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2537 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2538 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2539 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2540 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2541 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2542 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2543 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2544 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2545 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2546 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2547 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2548 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2549 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2550 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2551 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2552 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2553 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2554 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2555 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2556 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2557 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2558 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2559 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2560 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2561 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2562 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2563 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2564 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2565 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2566 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2567 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2568 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2569 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2570 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2571 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2572 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2573 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2574 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2575 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2576 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2577 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2578 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2579 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2580 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2581 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2582 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2583 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2584 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2585 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2586 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2587 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2588 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2589 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2590 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2591 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2592 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2593 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2594 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2595 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2596 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2597 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2598 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2599 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2600 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2601 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2602 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2603 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2604 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2605 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2606 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2607 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2608 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2609 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2610 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2611 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2612 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2613 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2614 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2615 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2616 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2617 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2618 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2619 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2620 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2621 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2622 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2623 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2624 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2625 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2626 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2627 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2628 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2629 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2630 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2631 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2632 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2633 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2634 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2635 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2636 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2637 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2638 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2639 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2640 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2641 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2642 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2643 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2644 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2645 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2646 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2647 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2648 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2649 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2650 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2651 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2652 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2653 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2654 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2655 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2656 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2657 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2658 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2659 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2660 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2661 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2662 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2663 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2664 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2665 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2666 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2667 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2668 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2669 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2670 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2671 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2672 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2673 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2674 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2675 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2676 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2677 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2678 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2679 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2680 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2681 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2682 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2683 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2684 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2685 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2686 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2687 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2688 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2689 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2690 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2691 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2692 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2693 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2694 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2695 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2696 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2697 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2698 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2699 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2700 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2701 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2702 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2703 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2704 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2705 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2706 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2707 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2708 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2709 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2710 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2711 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2712 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2713 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2714 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2715 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2716 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2717 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2718 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2719 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2720 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2721 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2722 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2723 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2724 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2725 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2726 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2727 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2728 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2729 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2730 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2731 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2732 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2733 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2734 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2735 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2736 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2737 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2738 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2739 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2740 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2741 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2742 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2743 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2744 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2745 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2746 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2747 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2748 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2749 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2750 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2751 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2752 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2753 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2754 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2755 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2756 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2757 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2758 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2759 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2760 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2761 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2762 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2763 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2764 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2765 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2766 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2767 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2768 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2769 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2770 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2771 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2772 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2773 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2774 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2775 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2776 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2777 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2778 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2779 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2780 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2781 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2782 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2783 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2784 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2785 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2786 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2787 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2788 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2789 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2790 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2791 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2792 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2793 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2794 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2795 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2796 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2797 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2798 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2799 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2800 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2801 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2802 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2803 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2804 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2805 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2806 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2807 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2808 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2809 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2810 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2811 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2812 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2813 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2814 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2815 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2816 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2817 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2818 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2819 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2820 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2821 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2822 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2823 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2824 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2825 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2826 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2827 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2828 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2829 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2830 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2831 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2832 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2833 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2834 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2835 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2836 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2837 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2838 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2839 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2840 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2841 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2842 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2843 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2844 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2845 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2846 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2847 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2848 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2849 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2850 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2851 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2852 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2853 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2854 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2855 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2856 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2857 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2858 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2859 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2860 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2861 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2862 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2863 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2864 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2865 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2866 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2867 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2868 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2869 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2870 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2871 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2872 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2873 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2874 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2875 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2876 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2877 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2878 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2879 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2880 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2881 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2882 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2883 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2884 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2885 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2886 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2887 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2888 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2889 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2890 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2891 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2892 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2893 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2894 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2895 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2896 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2897 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2898 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2899 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2900 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2901 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2902 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2903 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2904 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2905 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2906 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2907 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2908 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2909 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2910 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2911 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2912 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2913 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2914 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2915 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2916 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2917 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2918 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2919 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2920 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2921 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2922 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2923 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2924 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2925 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2926 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2927 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2928 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2929 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2930 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2931 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2932 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2933 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2934 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2935 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2936 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2937 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2938 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2939 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2940 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2941 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2942 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2943 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2944 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2945 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2946 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2947 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2948 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2949 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2950 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2951 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2952 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2953 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2954 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2955 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2956 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2957 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2958 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2959 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2960 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2961 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2962 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2963 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2964 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2965 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2966 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2967 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2968 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2969 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2970 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2971 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2972 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2973 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2974 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2975 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2976 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2977 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2978 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2979 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2980 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2981 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2982 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2983 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2984 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2985 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2986 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2987 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2988 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2989 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2990 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2991 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2992 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2993 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2994 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2995 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2996 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2997 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2998 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 2999 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3000 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3001 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3002 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3003 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3004 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3005 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3006 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3007 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3008 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3009 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3010 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3011 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3012 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3013 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3014 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3015 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3016 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3017 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3018 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3019 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3020 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3021 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3022 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3023 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3024 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3025 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3026 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3027 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3028 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3029 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3030 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3031 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3032 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3033 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3034 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3035 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3036 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3037 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3038 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3039 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3040 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3041 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3042 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3043 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3044 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3045 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3046 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3047 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3048 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3049 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3050 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3051 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3052 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3053 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3054 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3055 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3056 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3057 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3058 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3059 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3060 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3061 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3062 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3063 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3064 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3065 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3066 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3067 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3068 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3069 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3070 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3071 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3072 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3073 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3074 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3075 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3076 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3077 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3078 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3079 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3080 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3081 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3082 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3083 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3084 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3085 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3086 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3087 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3088 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3089 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3090 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3091 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3092 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3093 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3094 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3095 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3096 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3097 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3098 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3099 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3100 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3101 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3102 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3103 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3104 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3105 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3106 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3107 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3108 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3109 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3110 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3111 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3112 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3113 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3114 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3115 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3116 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3117 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3118 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3119 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3120 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3121 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3122 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3123 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3124 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3125 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3126 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3127 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3128 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3129 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3130 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3131 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3132 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3133 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3134 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3135 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3136 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3137 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3138 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3139 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3140 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3141 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3142 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3143 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3144 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3145 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3146 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3147 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3148 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3149 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3150 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3151 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3152 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3153 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3154 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3155 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3156 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3157 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3158 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3159 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3160 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3161 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3162 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3163 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3164 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3165 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3166 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3167 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3168 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3169 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3170 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3171 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3172 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3173 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3174 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3175 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3176 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3177 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3178 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3179 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3180 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3181 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3182 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3183 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3184 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3185 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3186 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3187 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3188 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3189 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3190 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3191 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3192 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3193 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3194 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3195 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3196 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3197 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3198 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3199 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3200 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3201 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3202 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3203 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3204 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3205 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3206 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3207 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3208 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3209 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3210 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3211 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3212 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3213 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3214 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3215 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3216 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3217 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3218 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3219 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3220 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3221 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3222 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3223 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3224 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3225 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3226 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3227 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3228 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3229 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3230 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3231 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3232 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3233 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3234 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3235 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3236 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3237 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3238 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3239 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3240 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3241 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3242 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3243 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3244 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3245 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3246 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3247 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3248 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3249 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3250 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3251 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3252 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3253 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3254 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3255 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3256 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3257 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3258 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3259 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3260 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3261 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3262 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3263 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3264 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3265 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3266 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3267 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3268 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3269 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3270 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3271 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3272 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3273 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3274 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3275 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3276 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3277 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3278 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3279 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3280 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3281 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3282 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3283 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3284 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3285 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3286 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3287 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3288 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3289 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3290 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3291 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3292 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3293 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3294 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3295 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3296 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3297 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3298 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3299 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3300 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3301 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3302 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3303 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3304 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3305 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3306 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3307 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3308 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3309 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3310 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3311 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3312 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3313 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3314 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3315 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3316 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3317 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3318 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3319 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3320 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3321 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3322 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3323 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3324 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3325 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3326 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3327 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3328 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3329 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3330 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3331 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3332 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3333 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3334 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3335 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3336 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3337 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3338 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3339 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3340 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3341 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3342 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3343 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3344 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3345 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3346 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3347 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3348 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3349 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3350 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3351 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3352 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3353 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3354 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3355 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3356 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3357 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3358 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3359 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3360 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3361 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3362 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3363 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3364 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3365 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3366 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3367 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3368 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3369 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3370 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3371 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3372 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3373 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3374 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3375 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3376 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3377 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3378 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3379 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3380 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3381 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3382 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3383 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3384 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3385 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3386 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3387 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3388 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3389 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3390 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3391 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3392 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3393 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3394 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3395 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3396 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3397 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3398 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3399 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3400 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3401 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3402 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3403 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3404 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3405 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3406 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3407 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3408 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3409 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3410 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3411 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3412 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3413 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3414 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3415 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3416 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3417 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3418 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3419 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3420 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3421 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3422 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3423 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3424 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3425 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3426 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3427 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3428 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3429 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3430 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3431 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3432 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3433 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3434 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3435 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3436 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3437 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3438 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3439 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3440 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3441 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3442 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3443 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3444 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3445 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3446 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3447 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3448 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3449 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3450 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3451 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3452 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3453 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3454 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3455 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3456 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3457 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3458 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3459 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3460 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3461 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3462 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3463 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3464 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3465 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3466 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3467 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3468 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3469 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3470 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3471 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3472 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3473 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3474 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3475 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3476 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3477 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3478 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3479 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3480 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3481 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3482 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3483 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3484 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3485 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3486 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3487 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3488 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3489 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3490 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3491 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3492 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3493 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3494 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3495 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3496 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3497 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3498 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3499 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3500 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3501 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3502 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3503 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3504 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3505 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3506 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3507 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3508 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3509 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3510 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3511 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3512 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3513 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3514 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3515 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3516 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3517 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3518 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3519 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3520 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3521 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3522 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3523 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3524 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3525 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3526 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3527 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3528 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3529 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3530 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3531 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3532 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3533 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3534 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3535 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3536 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3537 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3538 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3539 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3540 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3541 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3542 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3543 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3544 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3545 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3546 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3547 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3548 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3549 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3550 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3551 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3552 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3553 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3554 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3555 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3556 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3557 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3558 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3559 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3560 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3561 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3562 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3563 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3564 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3565 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3566 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3567 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3568 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3569 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3570 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3571 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3572 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3573 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3574 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3575 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3576 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3577 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3578 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3579 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3580 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3581 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3582 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3583 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3584 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3585 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3586 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3587 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3588 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3589 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3590 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3591 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3592 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3593 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3594 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3595 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3596 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3597 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3598 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3599 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3600 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3601 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3602 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3603 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3604 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3605 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3606 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3607 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3608 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3609 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3610 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3611 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3612 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3613 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3614 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3615 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3616 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3617 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3618 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3619 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3620 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3621 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3622 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3623 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3624 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3625 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3626 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3627 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3628 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3629 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3630 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3631 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3632 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3633 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3634 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3635 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3636 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3637 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3638 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3639 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3640 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3641 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3642 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3643 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3644 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3645 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3646 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3647 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3648 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3649 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3650 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3651 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3652 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3653 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3654 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3655 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3656 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3657 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3658 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3659 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3660 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3661 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3662 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3663 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3664 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3665 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3666 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3667 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3668 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3669 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3670 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3671 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3672 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3673 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3674 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3675 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3676 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3677 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3678 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3679 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3680 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3681 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3682 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3683 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3684 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3685 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3686 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3687 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3688 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3689 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3690 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3691 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3692 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3693 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3694 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3695 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3696 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3697 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3698 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3699 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3700 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3701 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3702 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3703 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3704 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3705 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3706 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3707 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3708 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3709 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3710 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3711 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3712 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3713 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3714 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3715 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3716 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3717 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3718 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3719 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3720 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3721 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3722 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3723 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3724 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3725 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3726 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3727 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3728 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3729 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3730 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3731 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3732 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3733 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3734 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3735 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3736 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3737 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3738 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3739 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3740 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3741 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3742 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3743 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3744 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3745 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3746 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3747 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3748 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3749 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3750 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3751 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3752 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3753 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3754 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3755 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3756 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3757 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3758 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3759 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3760 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3761 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3762 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3763 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3764 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3765 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3766 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3767 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3768 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3769 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3770 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3771 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3772 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3773 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3774 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3775 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3776 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3777 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3778 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3779 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3780 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3781 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3782 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3783 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3784 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3785 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3786 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3787 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3788 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3789 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3790 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3791 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3792 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3793 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3794 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3795 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3796 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3797 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3798 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3799 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3800 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3801 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3802 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3803 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3804 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3805 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3806 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3807 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3808 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3809 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3810 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3811 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3812 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3813 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3814 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3815 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3816 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3817 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3818 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3819 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3820 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3821 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3822 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3823 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3824 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3825 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3826 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3827 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3828 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3829 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3830 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3831 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3832 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3833 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3834 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3835 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3836 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3837 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3838 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3839 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3840 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3841 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3842 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3843 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3844 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3845 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3846 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3847 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3848 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3849 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3850 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3851 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3852 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3853 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3854 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3855 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3856 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3857 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3858 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3859 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3860 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3861 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3862 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3863 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3864 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3865 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3866 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3867 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3868 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3869 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3870 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3871 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3872 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3873 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3874 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3875 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3876 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3877 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3878 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3879 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3880 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3881 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3882 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3883 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3884 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3885 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3886 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3887 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3888 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3889 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3890 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3891 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3892 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3893 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3894 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3895 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3896 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3897 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3898 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3899 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3900 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3901 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3902 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3903 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3904 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3905 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3906 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3907 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3908 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3909 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3910 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3911 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3912 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3913 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3914 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3915 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3916 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3917 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3918 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3919 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3920 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3921 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3922 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3923 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3924 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3925 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3926 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3927 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3928 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3929 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3930 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3931 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3932 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3933 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3934 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3935 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3936 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3937 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3938 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3939 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3940 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3941 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3942 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3943 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3944 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3945 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3946 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3947 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3948 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3949 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3950 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3951 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3952 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3953 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3954 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3955 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3956 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3957 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3958 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3959 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3960 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3961 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3962 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3963 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3964 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3965 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3966 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3967 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3968 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3969 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3970 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3971 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3972 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3973 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3974 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3975 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3976 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3977 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3978 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3979 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3980 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3981 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3982 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3983 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3984 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3985 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3986 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3987 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3988 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3989 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3990 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3991 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3992 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3993 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3994 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3995 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3996 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3997 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3998 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 3999 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4000 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4001 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4002 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4003 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4004 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4005 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4006 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4007 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4008 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4009 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4010 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4011 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4012 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4013 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4014 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4015 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4016 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4017 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4018 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4019 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4020 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4021 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4022 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4023 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4024 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4025 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4026 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4027 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4028 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4029 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4030 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4031 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4032 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4033 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4034 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4035 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4036 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4037 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4038 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4039 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4040 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4041 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4042 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4043 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4044 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4045 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4046 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4047 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4048 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4049 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4050 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4051 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4052 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4053 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4054 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4055 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4056 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4057 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4058 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4059 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4060 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4061 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4062 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4063 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4064 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4065 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4066 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4067 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4068 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4069 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4070 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4071 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4072 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4073 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4074 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4075 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4076 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4077 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4078 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4079 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4080 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4081 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4082 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4083 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4084 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4085 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4086 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4087 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4088 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4089 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4090 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4091 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4092 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4093 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4094 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4095 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4096 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4097 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4098 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4099 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4100 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4101 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4102 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4103 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4104 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4105 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4106 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4107 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4108 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4109 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4110 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4111 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4112 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4113 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4114 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4115 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4116 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4117 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4118 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4119 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4120 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4121 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4122 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4123 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4124 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4125 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4126 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4127 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4128 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4129 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4130 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4131 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4132 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4133 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4134 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4135 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4136 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4137 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4138 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4139 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4140 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4141 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4142 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4143 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4144 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4145 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4146 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4147 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4148 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4149 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4150 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4151 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4152 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4153 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4154 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4155 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4156 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4157 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4158 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4159 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4160 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4161 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4162 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4163 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4164 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4165 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4166 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4167 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4168 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4169 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4170 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4171 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4172 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4173 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4174 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4175 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4176 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4177 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4178 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4179 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4180 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4181 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4182 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4183 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4184 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4185 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4186 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4187 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4188 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4189 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4190 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4191 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4192 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4193 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4194 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4195 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4196 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4197 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4198 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4199 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4200 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4201 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4202 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4203 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4204 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4205 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4206 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4207 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4208 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4209 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4210 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4211 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4212 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4213 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4214 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4215 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4216 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4217 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4218 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4219 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4220 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4221 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4222 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4223 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4224 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4225 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4226 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4227 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4228 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4229 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4230 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4231 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4232 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4233 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4234 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4235 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4236 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4237 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4238 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4239 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4240 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4241 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4242 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4243 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4244 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4245 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4246 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4247 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4248 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4249 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4250 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4251 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4252 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4253 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4254 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4255 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4256 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4257 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4258 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4259 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4260 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4261 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4262 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4263 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4264 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4265 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4266 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4267 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4268 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4269 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4270 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4271 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4272 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4273 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4274 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4275 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4276 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4277 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4278 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4279 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4280 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4281 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4282 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4283 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4284 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4285 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4286 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4287 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4288 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4289 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4290 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4291 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4292 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4293 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4294 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4295 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4296 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4297 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4298 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4299 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4300 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4301 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4302 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4303 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4304 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4305 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4306 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4307 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4308 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4309 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4310 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4311 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4312 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4313 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4314 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4315 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4316 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4317 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4318 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4319 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4320 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4321 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4322 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4323 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4324 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4325 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4326 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4327 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4328 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4329 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4330 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4331 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4332 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4333 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4334 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4335 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4336 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4337 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4338 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4339 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4340 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4341 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4342 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4343 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4344 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4345 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4346 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4347 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4348 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4349 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4350 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4351 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4352 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4353 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4354 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4355 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4356 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4357 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4358 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4359 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4360 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4361 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4362 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4363 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4364 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4365 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4366 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4367 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4368 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4369 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4370 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4371 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4372 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4373 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4374 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4375 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4376 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4377 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4378 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4379 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4380 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4381 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4382 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4383 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4384 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4385 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4386 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4387 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4388 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4389 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4390 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4391 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4392 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4393 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4394 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4395 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4396 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4397 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4398 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4399 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4400 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4401 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4402 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4403 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4404 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4405 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4406 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4407 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4408 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4409 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4410 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4411 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4412 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4413 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4414 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4415 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4416 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4417 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4418 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4419 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4420 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4421 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4422 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4423 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4424 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4425 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4426 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4427 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4428 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4429 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4430 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4431 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4432 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4433 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4434 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4435 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4436 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4437 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4438 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4439 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4440 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4441 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4442 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4443 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4444 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4445 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4446 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4447 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4448 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4449 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4450 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4451 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4452 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4453 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4454 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4455 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4456 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4457 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4458 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4459 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4460 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4461 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4462 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4463 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4464 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4465 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4466 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4467 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4468 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4469 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4470 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4471 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4472 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4473 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4474 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4475 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4476 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4477 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4478 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4479 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4480 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4481 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4482 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4483 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4484 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4485 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4486 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4487 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4488 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4489 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4490 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4491 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4492 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4493 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4494 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4495 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4496 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4497 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4498 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4499 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4500 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4501 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4502 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4503 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4504 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4505 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4506 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4507 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4508 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4509 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4510 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4511 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4512 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4513 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4514 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4515 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4516 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4517 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4518 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4519 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4520 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4521 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4522 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4523 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4524 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4525 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4526 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4527 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4528 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4529 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4530 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4531 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4532 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4533 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4534 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4535 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4536 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4537 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4538 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4539 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4540 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4541 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4542 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4543 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4544 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4545 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4546 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4547 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4548 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4549 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4550 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4551 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4552 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4553 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4554 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4555 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4556 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4557 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4558 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4559 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4560 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4561 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4562 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4563 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4564 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4565 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4566 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4567 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4568 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4569 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4570 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4571 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4572 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4573 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4574 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4575 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4576 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4577 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4578 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4579 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4580 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4581 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4582 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4583 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4584 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4585 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4586 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4587 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4588 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4589 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4590 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4591 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4592 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4593 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4594 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4595 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4596 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4597 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4598 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4599 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4600 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4601 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4602 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4603 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4604 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4605 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4606 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4607 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4608 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4609 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4610 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4611 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4612 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4613 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4614 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4615 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4616 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4617 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4618 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4619 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4620 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4621 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4622 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4623 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4624 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4625 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4626 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4627 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4628 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4629 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4630 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4631 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4632 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4633 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4634 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4635 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4636 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4637 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4638 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4639 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4640 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4641 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4642 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4643 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4644 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4645 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4646 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4647 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4648 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4649 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4650 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4651 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4652 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4653 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4654 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4655 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4656 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4657 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4658 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4659 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4660 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4661 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4662 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4663 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4664 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4665 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4666 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4667 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4668 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4669 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4670 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4671 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4672 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4673 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4674 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4675 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4676 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4677 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4678 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4679 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4680 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4681 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4682 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4683 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4684 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4685 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4686 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4687 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4688 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4689 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4690 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4691 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4692 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4693 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4694 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4695 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4696 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4697 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4698 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4699 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4700 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4701 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4702 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4703 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4704 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4705 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4706 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4707 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4708 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4709 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4710 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4711 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4712 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4713 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4714 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4715 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4716 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4717 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4718 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4719 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4720 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4721 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4722 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4723 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4724 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4725 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4726 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4727 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4728 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4729 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4730 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4731 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4732 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4733 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4734 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4735 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4736 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4737 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4738 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4739 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4740 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4741 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4742 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4743 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4744 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4745 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4746 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4747 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4748 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4749 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4750 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4751 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4752 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4753 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4754 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4755 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4756 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4757 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4758 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4759 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4760 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4761 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4762 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4763 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4764 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4765 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4766 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4767 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4768 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4769 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4770 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4771 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4772 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4773 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4774 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4775 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4776 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4777 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4778 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4779 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4780 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4781 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4782 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4783 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4784 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4785 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4786 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4787 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4788 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4789 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4790 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4791 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4792 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4793 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4794 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4795 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4796 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4797 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4798 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4799 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4800 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4801 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4802 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4803 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4804 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4805 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4806 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4807 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4808 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4809 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4810 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4811 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4812 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4813 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4814 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4815 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4816 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4817 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4818 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4819 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4820 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4821 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4822 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4823 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4824 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4825 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4826 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4827 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4828 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4829 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4830 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4831 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4832 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4833 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4834 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4835 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4836 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4837 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4838 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4839 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4840 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4841 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4842 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4843 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4844 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4845 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4846 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4847 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4848 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4849 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4850 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4851 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4852 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4853 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4854 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4855 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4856 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4857 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4858 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4859 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4860 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4861 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4862 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4863 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4864 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4865 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4866 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4867 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4868 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4869 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4870 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4871 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4872 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4873 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4874 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4875 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4876 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4877 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4878 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4879 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4880 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4881 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4882 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4883 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4884 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4885 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4886 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4887 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4888 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4889 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4890 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4891 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4892 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4893 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4894 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4895 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4896 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4897 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4898 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4899 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4900 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4901 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4902 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4903 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4904 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4905 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4906 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4907 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4908 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4909 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4910 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4911 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4912 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4913 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4914 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4915 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4916 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4917 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4918 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4919 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4920 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4921 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4922 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4923 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4924 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4925 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4926 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4927 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4928 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4929 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4930 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4931 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4932 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4933 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4934 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4935 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4936 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4937 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4938 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4939 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4940 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4941 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4942 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4943 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4944 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4945 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4946 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4947 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4948 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4949 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4950 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4951 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4952 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4953 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4954 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4955 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4956 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4957 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4958 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4959 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4960 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4961 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4962 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4963 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4964 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4965 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4966 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4967 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4968 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4969 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4970 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4971 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4972 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4973 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4974 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4975 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4976 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4977 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4978 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4979 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4980 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4981 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4982 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4983 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4984 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4985 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4986 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4987 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4988 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4989 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4990 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4991 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4992 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4993 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4994 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4995 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4996 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4997 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4998 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 4999 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5000 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5001 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5002 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5003 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5004 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5005 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5006 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5007 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5008 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5009 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5010 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5011 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5012 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5013 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5014 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5015 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5016 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5017 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5018 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5019 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5020 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5021 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5022 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5023 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5024 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5025 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5026 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5027 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5028 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5029 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5030 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5031 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5032 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5033 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5034 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5035 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5036 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5037 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5038 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5039 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5040 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5041 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5042 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5043 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5044 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5045 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5046 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5047 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5048 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5049 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5050 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5051 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5052 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5053 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5054 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5055 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5056 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5057 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5058 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5059 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5060 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5061 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5062 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5063 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5064 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5065 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5066 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5067 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5068 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5069 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5070 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5071 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5072 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5073 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5074 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5075 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5076 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5077 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5078 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5079 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5080 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5081 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5082 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5083 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5084 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5085 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5086 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5087 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5088 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5089 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5090 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5091 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5092 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5093 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5094 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5095 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5096 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5097 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5098 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5099 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5100 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5101 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5102 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5103 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5104 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5105 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5106 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5107 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5108 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5109 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5110 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5111 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5112 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5113 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5114 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5115 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5116 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5117 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5118 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5119 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5120 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5121 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5122 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5123 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5124 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5125 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5126 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5127 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5128 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5129 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5130 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5131 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5132 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5133 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5134 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5135 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5136 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5137 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5138 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5139 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5140 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5141 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5142 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5143 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5144 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5145 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5146 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5147 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5148 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5149 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5150 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5151 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5152 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5153 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5154 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5155 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5156 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5157 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5158 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5159 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5160 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5161 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5162 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5163 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5164 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5165 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5166 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5167 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5168 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5169 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5170 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5171 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5172 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5173 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5174 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5175 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5176 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5177 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5178 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5179 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5180 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5181 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5182 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5183 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5184 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5185 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5186 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5187 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5188 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5189 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5190 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5191 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5192 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5193 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5194 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5195 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5196 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5197 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5198 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5199 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5200 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5201 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5202 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5203 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5204 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5205 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5206 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5207 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5208 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5209 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5210 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5211 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5212 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5213 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5214 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5215 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5216 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5217 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5218 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5219 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5220 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5221 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5222 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5223 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5224 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5225 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5226 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5227 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5228 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5229 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5230 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5231 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5232 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5233 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5234 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5235 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5236 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5237 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5238 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5239 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5240 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5241 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5242 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5243 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5244 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5245 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5246 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5247 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5248 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5249 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5250 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5251 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5252 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5253 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5254 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5255 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5256 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5257 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5258 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5259 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5260 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5261 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5262 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## 5263 (false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false, false)  
## [ reached 'max' / getOption("max.print") -- omitted 109436 rows ]

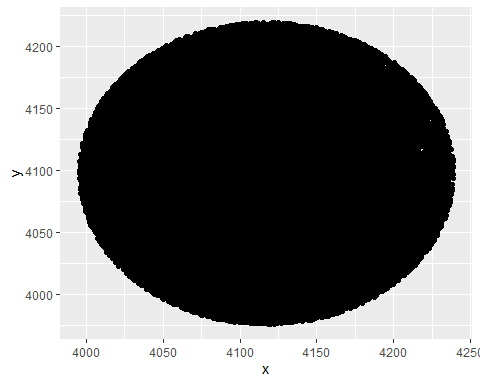
plot(Terzan5$x,Terzan5$y)



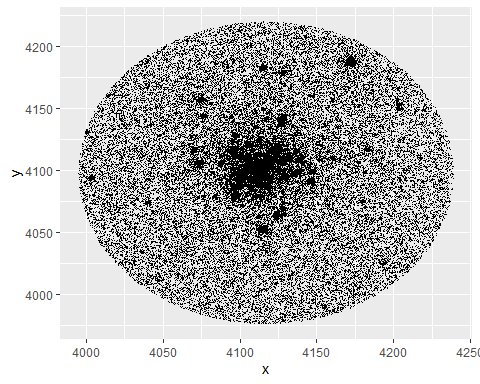
T5 <- data.frame(Terzan5$x, Terzan5$y)  
colnames(T5) <- c('x','y')  
head(T5)

## x y  
## 1 4106.614 4112.823  
## 2 4131.315 4111.262  
## 3 4114.870 4051.548  
## 4 4173.789 4187.020  
## 5 4118.489 4058.659  
## 6 4123.895 4062.175

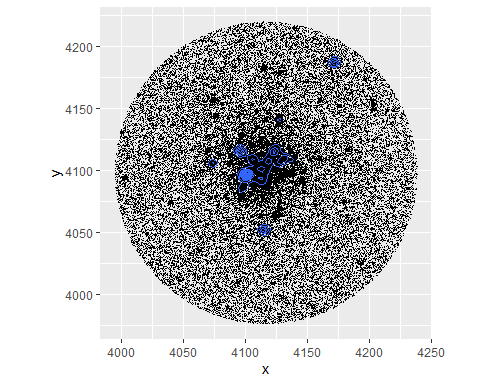
qplot(x,y, data = T5)



ggplot(T5, aes(x,y))+ geom\_point(shape = ".")



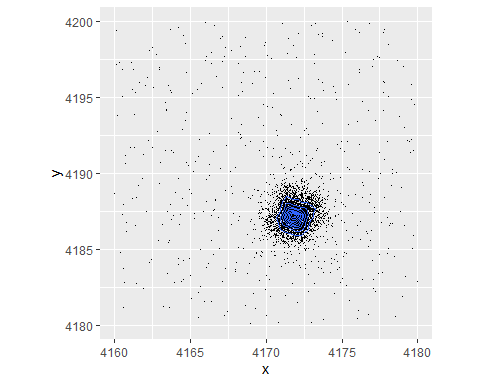
ggplot(T5, aes(x,y))+ geom\_point(shape = ".") + geom\_density2d() + coord\_fixed()



POI1 <- T5 %>%  
 filter(x>4160 & x<4180 & y>4180 & y<4200)  
head(POI1)

## x y  
## 1 4173.789 4187.020  
## 2 4172.088 4187.384  
## 3 4166.581 4191.414  
## 4 4171.884 4186.286  
## 5 4171.953 4186.385  
## 6 4171.344 4188.172

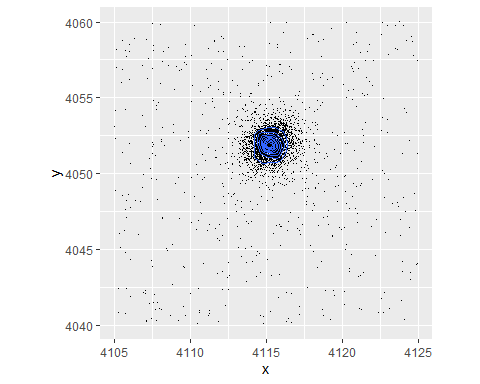
ggplot(POI1, aes(x,y))+ geom\_point(shape = ".") + geom\_density2d() + coord\_fixed()



POI2 <- T5 %>%  
 filter(x>4105 & x< 4125 & y>4040 & y<4060)  
head(POI2)

## x y  
## 1 4114.870 4051.548  
## 2 4118.489 4058.659  
## 3 4115.268 4052.355  
## 4 4115.318 4052.077  
## 5 4118.257 4051.339  
## 6 4117.281 4050.829

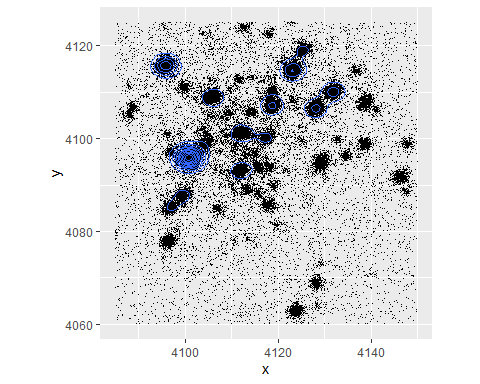
ggplot(POI2, aes(x,y))+ geom\_point(shape = ".") + geom\_density2d() + coord\_fixed()



Central <- T5 %>%  
 filter(x>4085 & x< 4150 & y>4060 & y<4125)  
head(Central)

## x y  
## 1 4106.614 4112.823  
## 2 4131.315 4111.262  
## 3 4123.895 4062.175  
## 4 4113.155 4102.108  
## 5 4118.540 4106.472  
## 6 4096.955 4084.213

ggplot(Central, aes(x,y))+ geom\_point(shape = ".") + geom\_density2d() + coord\_fixed()



POI3 <- T5 %>%  
 filter(x>4120 & x< 4140 & y>4100 & y<4120)  
head(POI3)

## x y  
## 1 4131.315 4111.262  
## 2 4131.726 4110.020  
## 3 4129.453 4119.898  
## 4 4138.975 4108.183  
## 5 4124.134 4115.002  
## 6 4123.262 4114.798

ggplot(POI3, aes(x,y))+ geom\_point(shape = ".") + geom\_density2d() + coord\_fixed()

