Untitled

tntrg03

2023-02-24

#Cài thư viện  
library(lmtest)

## Loading required package: zoo

##   
## Attaching package: 'zoo'

## The following objects are masked from 'package:base':  
##   
## as.Date, as.Date.numeric

library(ggplot2)

# Thu nhap(LWAGE) phụ thuộc vào kinh nghiệm(GRADE),công đoàn(UNION)  
 # wage= thu nhap; grade=nam kinh nghiem; trade = 1   
 #neu tham gia cong doan,=0 neu khong tham gia   
 ch4bt6\_m <- read.delim("E:/KTL/KTL\_01/ch4bt6\_m.txt")  
 ch4bt6\_m

## LWAGE GRADE UNION  
## 1 1.197540164 14 0  
## 2 1.853060000 14 1  
## 3 1.344461679 14 0  
## 4 1.433213353 14 0  
## 5 1.568125129 14 0  
## 6 1.699891000 14 0  
## 7 -0.720262600 14 0  
## 8 1.669188000 14 0  
## 9 1.675962448 13 0  
## 10 1.518398166 13 0  
## 11 1.559190512 13 0  
## 12 1.725410104 13 0  
## 13 1.622022271 13 0  
## 14 1.608588219 13 0  
## 15 1.572385430 13 0  
## 16 1.820333838 13 0  
## 17 1.515962720 12 0  
## 18 1.735379000 12 0  
## 19 1.631743670 12 0  
## 20 1.998228788 12 0  
## 21 2.184014320 12 0  
## 22 2.266662000 12 0  
## 23 2.069944000 12 0  
## 24 2.873161000 12 0  
## 25 1.894115000 12 1  
## 26 1.471159339 12 1  
## 27 1.473497510 12 0  
## 28 1.740914226 12 0  
## 29 1.823213696 12 0  
## 30 1.908272862 12 0  
## 31 1.742447376 12 0  
## 32 2.135689000 12 0  
## 33 1.948774815 12 1  
## 34 1.962259293 12 0  
## 35 1.963296771 12 0  
## 36 2.202515602 12 0  
## 37 2.134954214 12 0  
## 38 2.125822783 12 0  
## 39 1.991016626 12 0  
## 40 2.112393379 12 0  
## 41 0.258554876 10 0  
## 42 1.319971681 10 0  
## 43 1.462085247 10 0  
## 44 1.320286870 10 0  
## 45 1.703646541 10 0  
## 46 1.445803165 10 0  
## 47 1.806364000 10 0  
## 48 2.148120165 10 0  
## 49 1.737285495 13 0  
## 50 1.989601000 13 0  
## 51 2.189916849 13 0  
## 52 1.855463266 13 0  
## 53 1.922437787 13 0  
## 54 2.061024000 13 0  
## 55 1.782201648 13 0  
## 56 2.414681673 13 0  
## 57 1.208735347 12 0  
## 58 1.194039702 12 0  
## 59 1.170440555 12 0  
## 60 1.097964525 12 0  
## 61 0.765816200 12 0  
## 62 1.119026000 12 0  
## 63 1.119366765 12 0  
## 64 0.831459500 12 1  
## 65 0.502470136 11 1  
## 66 1.064912319 11 0  
## 67 1.189498000 11 0  
## 68 1.539888501 11 0  
## 69 1.598286000 11 0  
## 70 1.737320662 11 0  
## 71 1.988456000 11 0  
## 72 2.158678532 11 0  
## 73 1.005294000 10 1  
## 74 0.937687400 10 1  
## 75 1.367487669 10 1  
## 76 1.378008723 10 1  
## 77 1.170183539 10 1  
## 78 1.728221416 10 0  
## 79 1.709864736 10 0  
## 80 1.851074815 10 0  
## 81 1.130545378 14 0  
## 82 0.836248000 14 0  
## 83 1.467359781 14 0  
## 84 1.071483612 14 0  
## 85 1.445919514 14 0  
## 86 1.685116291 14 0  
## 87 1.686175000 14 0  
## 88 1.755130291 14 0  
## 89 1.565692000 14 0  
## 90 2.493875265 14 0  
## 91 1.822662115 14 0  
## 92 2.380336000 14 0  
## 93 2.217128515 14 0  
## 94 2.272031546 14 0  
## 95 2.353798628 14 0  
## 96 2.429450000 14 0  
## 97 1.918003201 11 0  
## 98 0.765407700 11 0  
## 99 1.978185415 11 0  
## 100 1.948553681 11 0  
## 101 2.037026000 11 0  
## 102 1.902574778 11 0  
## 103 1.972603679 11 0  
## 104 2.186982155 11 0  
## 105 1.784471750 11 0  
## 106 2.179982662 11 0  
## 107 1.963865399 11 1  
## 108 2.044932842 11 0  
## 109 2.012861252 11 0  
## 110 2.096985817 11 0  
## 111 2.143966198 11 0  
## 112 2.241284370 11 1  
## 113 2.013313293 15 0  
## 114 1.962152481 15 0  
## 115 2.275641000 15 0  
## 116 2.194917679 15 0  
## 117 2.428337336 15 0  
## 118 2.723037000 15 0  
## 119 2.966396332 15 0  
## 120 3.065051794 15 0  
## 121 1.564181328 12 0  
## 122 1.683545828 12 0  
## 123 1.690503359 12 0  
## 124 1.660871625 12 0  
## 125 1.698050618 12 0  
## 126 1.671768188 12 0  
## 127 1.635717511 12 0  
## 128 1.786971000 12 0  
## 129 2.107189655 12 1  
## 130 2.089011000 12 1  
## 131 2.042724000 12 1  
## 132 1.308155775 12 1  
## 133 1.488152266 12 0  
## 134 1.542818189 12 0  
## 135 1.535134673 12 0  
## 136 1.454335570 12 0  
## 137 1.629912000 11 1  
## 138 1.775113000 11 1  
## 139 1.967256308 11 0  
## 140 2.075186253 11 0  
## 141 2.128833532 11 0  
## 142 2.268419266 11 0  
## 143 1.992139000 11 0  
## 144 2.421554565 11 0  
## 145 1.786075711 12 0  
## 146 2.280766000 12 0  
## 147 2.264266253 12 0  
## 148 2.275456429 12 0  
## 149 2.208132505 12 0  
## 150 2.199852467 12 0  
## 151 2.206900000 12 0  
## 152 2.476867000 12 0  
## 153 1.643386841 12 0  
## 154 1.335580468 12 0  
## 155 1.522817850 12 0  
## 156 1.418851376 12 0  
## 157 0.903927400 12 0  
## 158 1.888564000 12 0  
## 159 1.783449650 12 0  
## 160 1.698008299 12 0  
## 161 1.838197231 12 0  
## 162 1.817077279 12 1  
## 163 1.671740294 12 0  
## 164 1.572830558 12 0  
## 165 1.682546377 12 0  
## 166 1.583640218 12 0  
## 167 1.773293138 12 0  
## 168 1.861079000 12 0  
## 169 1.462888122 12 0  
## 170 1.570217252 12 0  
## 171 1.656601787 12 1  
## 172 1.725410104 12 0  
## 173 1.772158504 12 0  
## 174 2.011084318 12 0  
## 175 1.991016626 12 0  
## 176 1.952050686 12 0  
## 177 1.652095000 11 0  
## 178 1.489535000 11 0  
## 179 1.881175756 11 0  
## 180 2.061031580 11 0  
## 181 2.488836288 11 1  
## 182 2.430938000 11 1  
## 183 2.534560442 11 1  
## 184 2.069602489 11 1  
## 185 2.165839434 12 0  
## 186 2.325400000 12 0  
## 187 2.383650541 12 0  
## 188 2.337211609 12 0  
## 189 2.412507534 12 0  
## 190 2.384146000 12 0  
## 191 2.352030000 12 0  
## 192 2.577756643 12 0  
## 193 0.972626300 13 0  
## 194 1.003104448 13 0  
## 195 1.099635000 13 0  
## 196 1.214584470 13 0  
## 197 1.319241762 13 0  
## 198 1.389742494 13 0  
## 199 1.573538000 13 0  
## 200 1.900699735 13 0  
## 201 1.682627000 12 0  
## 202 1.661706328 12 0  
## 203 1.755041838 12 0  
## 204 1.753450751 12 1  
## 205 1.618007898 12 0  
## 206 1.648178697 12 0  
## 207 1.745894194 12 0  
## 208 1.727081895 12 0  
## 209 1.939345479 14 0  
## 210 2.120263577 14 0  
## 211 2.160507000 14 0  
## 212 2.489254000 14 0  
## 213 2.375693560 14 0  
## 214 2.295886755 14 0  
## 215 2.299090147 14 0  
## 216 2.581879377 14 0  
## 217 1.386847258 12 0  
## 218 2.127581835 12 0  
## 219 0.968870200 12 0  
## 220 1.163598895 12 0  
## 221 1.356619120 12 0  
## 222 1.416253328 12 0  
## 223 1.214983225 12 1  
## 224 1.639359474 12 0  
## 225 0.683725059 12 0  
## 226 1.078989000 12 0  
## 227 0.839635700 12 0  
## 228 1.507569000 12 0  
## 229 1.020651698 12 0  
## 230 0.542597800 12 0  
## 231 0.114716314 12 0  
## 232 0.312851757 12 0  
## 233 1.626772165 12 0  
## 234 1.880875000 12 0  
## 235 1.741196513 12 1  
## 236 2.194788456 12 1  
## 237 2.083836000 12 0  
## 238 1.918448210 12 0  
## 239 2.156713724 12 0  
## 240 1.985041000 12 0  
## 241 1.396706223 12 1  
## 242 1.519825697 12 1  
## 243 1.509153000 12 1  
## 244 1.645041585 12 1  
## 245 1.549015000 12 1  
## 246 1.826956272 12 1  
## 247 1.883680344 12 1  
## 248 2.023660660 12 1  
## 249 1.731417298 12 1  
## 250 1.813759000 12 0  
## 251 1.700048327 12 1  
## 252 1.939648867 12 1  
## 253 1.935752749 12 0  
## 254 2.099785000 12 0  
## 255 2.192046642 12 0  
## 256 2.005143000 12 0  
## 257 2.821782589 12 0  
## 258 2.179982662 12 0  
## 259 2.309426546 12 0  
## 260 2.251321316 12 0  
## 261 2.352297000 12 0  
## 262 2.313848257 12 0  
## 263 2.253420000 12 0  
## 264 2.405352592 12 0  
## 265 1.232024550 11 0  
## 266 1.366491675 11 0  
## 267 1.690503359 11 0  
## 268 1.660871625 11 0  
## 269 1.555876136 11 0  
## 270 -0.714125600 11 0  
## 271 1.468481000 11 0  
## 272 0.513005800 11 0  
## 273 1.959579587 13 1  
## 274 1.893339276 13 0  
## 275 3.096215725 13 1  
## 276 1.910813332 13 1  
## 277 1.615264416 13 0  
## 278 2.076528000 13 0  
## 279 2.107540000 13 0  
## 280 2.155585289 13 0  
## 281 1.655639000 12 0  
## 282 1.464256000 12 0  
## 283 1.007827520 12 0  
## 284 1.477949262 12 0  
## 285 0.618720200 12 0  
## 286 2.225624000 12 0  
## 287 2.657730579 12 0  
## 288 2.139191628 12 0  
## 289 1.497270584 12 0  
## 290 1.601716000 12 0  
## 291 1.504842877 12 0  
## 292 1.798046827 12 0  
## 293 1.652890205 12 0  
## 294 1.763385415 12 0  
## 295 1.722682000 12 0  
## 296 1.762060642 12 0  
## 297 0.891528400 14 0  
## 298 1.931021571 14 0  
## 299 1.902649879 14 0  
## 300 1.885374784 14 0  
## 301 1.678707600 14 0  
## 302 1.896358371 14 0  
## 303 1.788370252 14 0  
## 304 1.563827395 14 0  
## 305 0.992524000 10 0  
## 306 2.345144749 10 1  
## 307 1.680934000 10 1  
## 308 1.989654000 10 0  
## 309 2.448014259 10 1  
## 310 2.450180292 10 1  
## 311 2.172239304 10 1  
## 312 2.415983677 10 1  
## 313 1.587761521 11 1  
## 314 1.609438000 11 1  
## 315 1.508181810 11 1  
## 316 1.555511000 11 1  
## 317 1.549015000 11 1  
## 318 1.616430000 11 0  
## 319 1.825937000 11 1  
## 320 1.990435000 11 1  
## 321 1.556213140 13 0  
## 322 0.422912031 13 0  
## 323 0.710434100 13 0  
## 324 0.931721700 13 0  
## 325 -3.579078674 13 0  
## 326 1.322756290 13 0  
## 327 1.389700174 13 0  
## 328 1.543499708 13 0  
## 329 -0.372661352 10 0  
## 330 0.606314400 10 0  
## 331 0.864880500 10 0  
## 332 0.512171200 10 0  
## 333 0.683911600 10 0  
## 334 0.999749300 10 0  
## 335 1.434860587 10 0  
## 336 1.177035570 10 0  
## 337 0.883685200 12 0  
## 338 1.424866676 12 0  
## 339 1.365903616 12 0  
## 340 1.391689000 12 0  
## 341 1.792189598 12 0  
## 342 1.948283315 12 0  
## 343 2.263611555 12 0  
## 344 2.628963709 12 0  
## 345 1.562727809 14 1  
## 346 1.664497733 14 1  
## 347 1.770546000 14 0  
## 348 1.786034703 14 0  
## 349 2.001000166 14 0  
## 350 1.648178697 14 1  
## 351 2.125711000 14 0  
## 352 1.688419223 14 1  
## 353 1.875813127 12 0  
## 354 1.956676126 12 0  
## 355 1.867254000 12 0  
## 356 2.174533000 12 0  
## 357 1.914497137 12 0  
## 358 2.017925739 12 1  
## 359 2.117659330 12 1  
## 360 1.977629000 12 1  
## 361 1.570450902 12 0  
## 362 1.562185000 12 0  
## 363 1.569976807 12 0  
## 364 1.794119596 12 0  
## 365 1.837172000 12 0  
## 366 1.813935000 12 0  
## 367 2.038395643 12 0  
## 368 1.905903578 12 0  
## 369 0.596862900 10 1  
## 370 0.474991200 10 0  
## 371 1.090265393 10 0  
## 372 1.000002000 10 1  
## 373 0.833053100 10 1  
## 374 1.401281118 10 1  
## 375 1.734129429 10 1  
## 376 1.882872000 10 1  
## 377 2.000043869 12 1  
## 378 2.307711840 12 1  
## 379 2.308812618 12 1  
## 380 1.880415797 12 1  
## 381 1.869900823 12 0  
## 382 2.079198360 12 1  
## 383 1.887449741 12 1  
## 384 1.809427500 12 0  
## 385 0.997580600 10 1  
## 386 0.230986729 10 1  
## 387 0.432260931 10 1  
## 388 0.974155300 10 1  
## 389 0.512209900 10 1  
## 390 0.948436300 10 0  
## 391 1.282688141 10 0  
## 392 1.377866626 10 0  
## 393 1.865393281 13 0  
## 394 2.134249687 13 0  
## 395 1.040896535 13 0  
## 396 1.761967659 13 0  
## 397 1.919158000 13 0  
## 398 2.257065535 13 0  
## 399 2.111953735 13 0  
## 400 1.892331481 13 0  
## 401 1.175440669 13 0  
## 402 1.411612153 13 0  
## 403 1.615795000 13 0  
## 404 1.688940644 13 0  
## 405 1.961550236 13 0  
## 406 1.910543000 13 0  
## 407 2.018308878 13 0  
## 408 2.282292366 13 0  
## 409 1.568009496 12 0  
## 410 1.395863771 12 1  
## 411 1.380348444 12 1  
## 412 1.494423389 12 1  
## 413 1.394864321 12 1  
## 414 1.440539360 12 1  
## 415 1.596362472 12 1  
## 416 1.619917000 12 1  
## 417 1.602506399 12 0  
## 418 2.034989834 12 0  
## 419 2.238628387 12 0  
## 420 2.217671394 12 0  
## 421 2.447831154 12 0  
## 422 2.603690000 12 0  
## 423 2.355690479 12 0  
## 424 2.186982155 12 0  
## 425 0.853558500 11 0  
## 426 0.892167000 11 0  
## 427 0.850041300 11 0  
## 428 0.590937700 11 0  
## 429 1.202973247 11 0  
## 430 1.554618359 11 0  
## 431 1.802115798 11 0  
## 432 1.697930336 11 0  
## 433 2.135247000 15 0  
## 434 2.222542286 15 0  
## 435 2.135670185 15 0  
## 436 2.236235619 15 0  
## 437 2.347522736 15 0  
## 438 2.414448261 15 0  
## 439 0.049444925 15 0  
## 440 2.623219000 15 0  
## 441 0.819390900 13 0  
## 442 0.589594662 13 0  
## 443 1.399766564 13 0  
## 444 1.555511000 13 0  
## 445 1.618007898 13 0  
## 446 1.607972264 13 0  
## 447 1.610092640 13 0  
## 448 1.197449684 13 0  
## 449 1.039624929 14 0  
## 450 1.359861135 14 0  
## 451 1.260502000 14 0  
## 452 1.322710156 14 0  
## 453 1.718771577 14 0  
## 454 1.310399175 14 0  
## 455 1.411624789 14 0  
## 456 1.386204362 14 0  
## 457 2.236457000 13 1  
## 458 2.376693000 13 1  
## 459 2.386539221 13 1  
## 460 2.384628000 13 0  
## 461 2.400285000 13 0  
## 462 2.471379000 13 0  
## 463 2.264099836 13 0  
## 464 2.282292366 13 0  
## 465 2.070805311 12 1  
## 466 1.988927484 12 1  
## 467 1.978185415 12 1  
## 468 2.088315487 12 1  
## 469 2.128833532 12 1  
## 470 2.207794428 12 1  
## 471 2.475409000 12 1  
## 472 2.217754000 12 1  
## 473 1.417540312 12 0  
## 474 1.478102000 12 0  
## 475 1.384883642 12 0  
## 476 1.517770767 12 0  
## 477 1.427654147 12 0  
## 478 1.440539360 12 0  
## 479 1.420471787 12 0  
## 480 1.381505847 12 0  
## 481 1.557642698 11 0  
## 482 1.482438207 11 0  
## 483 1.244216204 11 0  
## 484 0.720826745 11 0  
## 485 0.807077600 11 0  
## 486 0.823104000 11 0  
## 487 1.109035611 11 0  
## 488 2.238643646 11 0  
## 489 1.447999597 12 0  
## 490 1.752538800 12 0  
## 491 1.547402501 12 0  
## 492 2.043863773 12 0  
## 493 2.152143717 12 0  
## 494 2.267218000 12 0  
## 495 2.747342825 12 0  
## 496 2.577180000 12 0  
## 497 0.724663700 10 0  
## 498 1.794262648 10 0  
## 499 1.161927581 10 0  
## 500 1.459600091 10 0  
## 501 1.028219938 10 0  
## 502 1.303338289 10 0  
## 503 1.649885000 10 0  
## 504 1.309185147 10 1  
## 505 1.903118253 12 0  
## 506 2.021071000 12 0  
## 507 1.895427704 12 0  
## 508 2.122506857 12 0  
## 509 1.880372167 12 0  
## 510 1.992477417 12 0  
## 511 1.964025378 12 0  
## 512 1.929471000 12 0  
## 513 1.087996840 10 0  
## 514 1.249144554 10 0  
## 515 1.547402501 10 0  
## 516 1.351703405 10 0  
## 517 1.426116824 10 0  
## 518 1.056600571 10 0  
## 519 1.264222503 10 0  
## 520 2.000009537 10 0  
## 521 1.887124000 12 0  
## 522 1.481521249 12 0  
## 523 1.217642000 12 0  
## 524 0.737586100 12 0  
## 525 1.288773298 12 0  
## 526 1.073505759 12 0  
## 527 1.317172289 12 0  
## 528 2.017049551 12 0  
## 529 1.111002922 9 1  
## 530 1.162092566 9 0  
## 531 1.061894655 9 1  
## 532 1.127573133 9 0  
## 533 1.189180000 9 0  
## 534 1.222795000 9 1  
## 535 1.164667487 9 0  
## 536 1.395894527 9 0  
## 537 1.342639089 12 0  
## 538 1.406497121 12 0  
## 539 1.529702902 12 0  
## 540 1.757596731 12 0  
## 541 1.905690000 12 0  
## 542 1.966232000 12 0  
## 543 2.140417000 12 0  
## 544 2.175559282 12 0  
## 545 1.264076710 11 0  
## 546 1.278080821 11 0  
## 547 0.999763000 11 0  
## 548 0.965424100 11 0  
## 549 1.028619885 11 0  
## 550 1.012998343 11 0  
## 551 1.284339666 11 0  
## 552 1.408174000 11 1  
## 553 1.551967859 14 0  
## 554 2.128231764 14 0  
## 555 2.757775784 14 0  
## 556 1.509607434 14 0  
## 557 1.933386207 14 0  
## 558 2.277676000 14 0  
## 559 2.265224457 14 0  
## 560 2.282758713 14 0  
## 561 0.881084500 13 0  
## 562 2.040220737 13 0  
## 563 1.833003402 13 0  
## 564 1.774200201 13 0  
## 565 1.822308302 13 0  
## 566 2.657274485 13 0  
## 567 2.774627000 13 0  
## 568 2.851786000 13 0  
## 569 1.543309689 12 0  
## 570 1.570217252 12 0  
## 571 1.656601787 12 0  
## 572 1.660871625 12 0  
## 573 2.001000166 12 0  
## 574 1.871322274 12 0  
## 575 1.890475392 12 0  
## 576 2.035432339 12 0  
## 577 1.413112283 14 0  
## 578 1.667773485 14 0  
## 579 1.922096000 14 0  
## 580 1.741374000 14 0  
## 581 2.011050463 14 0  
## 582 2.223543000 14 0  
## 583 2.088562489 14 0  
## 584 2.341307640 14 0  
## 585 1.302817583 12 0  
## 586 1.330724478 12 0  
## 587 1.299566388 12 0  
## 588 1.631099463 12 0  
## 589 1.659153461 12 0  
## 590 1.648178697 12 0  
## 591 1.554003239 12 0  
## 592 1.933747530 12 0  
## 593 1.853464723 13 0  
## 594 1.609438000 13 0  
## 595 1.690503359 13 1  
## 596 1.537495255 13 1  
## 597 2.041054487 13 0  
## 598 1.920112491 13 0  
## 599 2.113619000 13 0  
## 600 2.217754000 13 0  
## 601 1.510342717 12 0  
## 602 1.510857105 12 0  
## 603 1.061894655 12 0  
## 604 1.350716591 12 0  
## 605 1.216045380 12 0  
## 606 1.173910737 12 0  
## 607 1.340429000 12 0  
## 608 1.381505847 12 0  
## 609 1.622382283 8 0  
## 610 1.752538800 8 1  
## 611 1.934756000 8 1  
## 612 1.778595328 8 1  
## 613 1.868611000 8 1  
## 614 2.011084318 8 1  
## 615 2.251372337 8 1  
## 616 2.250543594 8 1  
## 617 1.530746579 11 0  
## 618 1.339992881 11 0  
## 619 1.659569144 11 0  
## 620 1.383422613 11 0  
## 621 1.511506200 11 0  
## 622 1.425035238 11 0  
## 623 1.443959832 11 0  
## 624 1.444379091 11 0  
## 625 1.750865817 12 0  
## 626 1.832376361 12 0  
## 627 1.755041838 12 1  
## 628 1.782105446 12 0  
## 629 1.721767000 12 0  
## 630 1.733310580 12 1  
## 631 1.764681578 12 0  
## 632 1.907599000 12 0  
## 633 0.556780100 15 0  
## 634 1.554713000 15 0  
## 635 1.686833620 15 0  
## 636 1.644792795 15 0  
## 637 2.212790000 15 0  
## 638 1.894876838 15 0  
## 639 1.791082740 15 0  
## 640 2.058709383 15 0  
## 641 1.543309689 8 0  
## 642 1.689480662 8 0  
## 643 1.877644181 8 0  
## 644 2.589254379 8 0  
## 645 2.738599000 8 0  
## 646 1.861752868 8 0  
## 647 1.911142000 8 0  
## 648 1.907599000 8 0  
## 649 1.059776306 8 0  
## 650 1.467701674 8 0  
## 651 1.339763165 8 0  
## 652 1.294627190 8 0  
## 653 1.251763463 8 0  
## 654 1.332202554 8 0  
## 655 1.285940886 8 0  
## 656 1.286195636 8 0  
## 657 1.764698148 12 0  
## 658 -0.723918855 12 0  
## 659 1.890843391 12 0  
## 660 2.088315487 12 0  
## 661 2.206275463 12 0  
## 662 2.159004450 12 0  
## 663 2.221297000 12 0  
## 664 1.583854198 12 0  
## 665 1.770083000 12 1  
## 666 1.601716000 12 1  
## 667 1.547402501 12 1  
## 668 1.786034703 12 1  
## 669 1.682546377 12 1  
## 670 1.720499396 12 1  
## 671 1.799961448 12 1  
## 672 1.760995507 12 1  
## 673 0.206286430 10 0  
## 674 1.121049643 10 0  
## 675 1.086117387 10 1  
## 676 1.268914819 10 1  
## 677 1.099372625 10 1  
## 678 1.345229149 10 1  
## 679 1.900045000 10 0  
## 680 1.515391827 10 0  
## 681 2.036455393 13 0  
## 682 1.142368317 13 0  
## 683 1.378535867 13 0  
## 684 1.473753810 13 0  
## 685 1.474907000 13 0  
## 686 1.416282415 13 0  
## 687 1.498433352 13 0  
## 688 1.500852585 13 0  
## 689 1.178336000 12 1  
## 690 1.087287188 12 1  
## 691 0.007734179 12 0  
## 692 0.796704948 12 0  
## 693 1.037228346 12 0  
## 694 1.208374143 12 0  
## 695 1.204458833 12 0  
## 696 1.857080460 12 0  
## 697 0.974396600 12 0  
## 698 2.465104000 12 0  
## 699 1.055035710 12 0  
## 700 1.142764807 12 0  
## 701 1.012746572 12 0  
## 702 1.072814584 12 0  
## 703 1.059984684 12 0  
## 704 0.926926700 12 0  
## 705 1.033779383 10 0  
## 706 1.292641000 10 1  
## 707 1.314466357 10 0  
## 708 1.258214831 10 0  
## 709 1.647278190 10 0  
## 710 1.765961766 10 0  
## 711 1.799961448 10 0  
## 712 1.810687423 10 0  
## 713 1.375923000 12 1  
## 714 1.353907824 12 1  
## 715 1.349576831 12 0  
## 716 1.351197481 12 0  
## 717 1.370305777 12 0  
## 718 1.401318669 12 0  
## 719 1.580542803 12 0  
## 720 1.635995000 12 1  
## 721 0.978897800 10 1  
## 722 1.241713166 10 0  
## 723 1.259720445 10 0  
## 724 1.032262921 10 0  
## 725 1.196193576 10 0  
## 726 1.168104529 10 0  
## 727 1.366404533 10 0  
## 728 1.398313000 10 0  
## 729 1.311867356 12 0  
## 730 1.222665000 12 0  
## 731 1.408866644 12 1  
## 732 1.574341000 12 0  
## 733 1.455858827 12 0  
## 734 1.874824882 12 0  
## 735 1.873946190 12 0  
## 736 1.733726382 12 0  
## 737 1.576051474 13 0  
## 738 1.742017388 13 0  
## 739 1.778826833 13 0  
## 740 1.871161580 13 0  
## 741 1.656395555 13 0  
## 742 1.783029675 13 0  
## 743 1.594825149 13 0  
## 744 1.995091200 13 0  
## 745 1.324701309 11 0  
## 746 1.347073674 11 0  
## 747 1.562670000 11 0  
## 748 3.200689000 11 0  
## 749 1.838301000 11 0  
## 750 1.870448589 11 0  
## 751 0.825764700 11 0  
## 752 1.844714403 11 0  
## 753 1.176472902 12 0  
## 754 1.324259000 12 0  
## 755 1.235966325 12 0  
## 756 1.592994000 12 0  
## 757 1.725366354 12 0  
## 758 1.820029000 12 0  
## 759 1.836141109 12 0  
## 760 1.861079000 12 0  
## 761 2.111690521 12 0  
## 762 2.170552254 12 0  
## 763 2.134839296 12 0  
## 764 2.072430134 12 0  
## 765 2.040541000 12 0  
## 766 2.018958330 12 0  
## 767 2.167382479 12 0  
## 768 1.873488426 12 0  
## 769 0.560979200 12 1  
## 770 1.546365261 12 0  
## 771 1.531898379 12 0  
## 772 1.591878653 12 0  
## 773 1.685168000 12 0  
## 774 1.648178697 12 0  
## 775 1.565979362 12 0  
## 776 2.068422556 12 0  
## 777 -0.384581900 15 1  
## 778 1.886070132 15 1  
## 779 1.987385154 15 1  
## 780 2.136661000 15 1  
## 781 1.804233789 15 1  
## 782 2.130121469 15 0  
## 783 2.631413221 15 0  
## 784 2.793118000 15 0  
## 785 1.624841690 11 0  
## 786 1.616873000 11 0  
## 787 1.429619431 11 0  
## 788 1.736460000 11 0  
## 789 1.716041565 11 0  
## 790 1.809021235 11 0  
## 791 1.799961448 11 0  
## 792 2.183852434 11 0  
## 793 1.784471750 11 0  
## 794 1.934860349 11 1  
## 795 2.026975632 11 0  
## 796 2.109821796 11 0  
## 797 2.128833532 11 0  
## 798 2.094465733 11 1  
## 799 2.256719828 11 0  
## 800 2.910901000 11 0  
## 801 1.461624742 12 1  
## 802 1.682905000 12 1  
## 803 1.872825000 12 0  
## 804 2.043863773 12 0  
## 805 2.350375652 12 0  
## 806 2.387135506 12 0  
## 807 2.410870552 12 0  
## 808 2.480118000 12 0  
## 809 1.630321145 11 1  
## 810 1.683545828 11 1  
## 811 1.781017423 11 1  
## 812 1.381638527 11 1  
## 813 2.030624151 11 1  
## 814 1.810697675 11 1  
## 815 2.012397528 11 1  
## 816 2.320032835 11 1  
## 817 0.643500300 11 0  
## 818 0.897941600 11 0  
## 819 1.278796554 11 1  
## 820 1.335449219 11 1  
## 821 1.526200294 11 0  
## 822 1.434203506 11 0  
## 823 0.060374726 11 0  
## 824 1.393776000 11 0  
## 825 1.389388084 15 0  
## 826 1.241713166 15 0  
## 827 0.985908800 15 0  
## 828 1.144054294 15 0  
## 829 1.654600501 15 0  
## 830 1.648178697 15 1  
## 831 1.333059907 15 1  
## 832 1.738180757 15 0  
## 833 2.364290237 15 0  
## 834 2.337618000 15 0  
## 835 2.416440487 15 0  
## 836 2.513867378 15 0  
## 837 2.647627354 15 0  
## 838 2.636213303 15 0  
## 839 2.718755245 15 0  
## 840 2.768744000 15 0  
## 841 0.937174000 12 1  
## 842 1.018830419 12 0  
## 843 1.119958520 12 0  
## 844 0.838389800 12 0  
## 845 1.246248245 12 0  
## 846 1.197977781 12 0  
## 847 1.253417730 12 0  
## 848 1.301463127 12 0  
## 849 1.654456258 13 0  
## 850 1.589547753 13 0  
## 851 1.748772264 13 1  
## 852 1.870592117 13 1  
## 853 2.054110000 13 1  
## 854 1.903898478 13 1  
## 855 2.083877000 13 1  
## 856 2.282292366 13 1  
## 857 1.447999597 12 0  
## 858 1.241713166 12 0  
## 859 1.380348444 12 0  
## 860 0.980969600 12 0  
## 861 1.394864321 12 0  
## 862 1.401318669 12 0  
## 863 1.494579792 12 0  
## 864 1.362457633 12 0  
## 865 1.005991101 11 0  
## 866 1.637409568 11 0  
## 867 1.570719123 11 0  
## 868 1.757986307 11 0  
## 869 1.903860000 11 0  
## 870 1.833582000 11 0  
## 871 1.985459000 11 0  
## 872 1.948571205 11 0  
## 873 1.074007511 11 0  
## 874 0.966762000 11 0  
## 875 1.324259000 11 0  
## 876 0.560658000 11 0  
## 877 1.682546377 11 0  
## 878 1.858743548 11 0  
## 879 1.991016626 11 0  
## 880 2.148761000 11 0  
## 881 1.166015506 12 0  
## 882 1.862028718 12 0  
## 883 1.850352000 12 0  
## 884 1.834120750 12 0  
## 885 1.928381324 12 0  
## 886 1.859850000 12 0  
## 887 2.009259000 12 0  
## 888 2.298619270 12 0  
## 889 1.508624196 11 0  
## 890 1.506138325 11 0  
## 891 1.914808000 11 0  
## 892 1.819908619 11 0  
## 893 1.693128467 11 0  
## 894 1.682080269 11 0  
## 895 1.715822000 11 0  
## 896 1.747149467 11 0  
## 897 2.023541689 12 1  
## 898 2.004293680 12 1  
## 899 1.861060000 12 1  
## 900 2.071156000 12 1  
## 901 1.995276690 12 1  
## 902 1.991969000 12 1  
## 903 2.021503687 12 1  
## 904 1.997938156 12 1  
## 905 -0.247380778 12 0  
## 906 2.283537000 12 0  
## 907 1.294700146 12 1  
## 908 1.150046000 12 0  
## 909 1.571050882 12 0  
## 910 -0.742699000 12 0  
## 911 1.851254702 12 0  
## 912 1.972870350 12 0  
## 913 1.904955506 11 1  
## 914 1.879262328 11 0  
## 915 1.746195674 11 1  
## 916 2.093135000 11 0  
## 917 1.844763756 11 0  
## 918 1.678162217 11 0  
## 919 1.765622000 11 0  
## 920 1.759842277 11 1  
## 921 2.359059334 12 1  
## 922 1.923095465 12 0  
## 923 1.404926896 12 0  
## 924 0.799549900 12 0  
## 925 1.314082265 12 0  
## 926 1.261347771 12 0  
## 927 1.498433352 12 0  
## 928 1.550128579 12 0  
## 929 1.483892441 13 0  
## 930 1.233988643 13 0  
## 931 1.532616496 13 0  
## 932 1.658470631 13 0  
## 933 1.816277623 13 0  
## 934 2.015903473 13 0  
## 935 2.356572000 13 0  
## 936 1.316654921 13 1  
## 937 0.894395800 10 0  
## 938 1.043349624 10 0  
## 939 1.342459679 10 0  
## 940 1.311010599 10 0  
## 941 1.012559000 10 0  
## 942 1.329873800 10 0  
## 943 1.838888000 10 0  
## 944 2.217754000 10 0  
## 945 2.005680323 12 1  
## 946 1.759996533 12 1  
## 947 1.873217463 12 1  
## 948 1.816977262 12 0  
## 949 1.869561195 12 0  
## 950 2.058447000 12 0  
## 951 2.234247000 12 0  
## 952 2.225134000 12 0  
## 953 2.007615328 12 0  
## 954 2.263364315 12 0  
## 955 2.240549803 12 0  
## 956 2.348436594 12 1  
## 957 2.488045216 12 0  
## 958 2.468285561 12 1  
## 959 2.346576214 12 1  
## 960 2.490344763 12 0  
## 961 1.676566482 12 1  
## 962 1.572434306 12 1  
## 963 1.764703751 12 1  
## 964 1.815022230 12 1  
## 965 1.772158504 12 1  
## 966 1.846004486 12 1  
## 967 1.845355000 12 1  
## 968 1.812288761 12 1  
## 969 1.296599865 10 0  
## 970 1.614660000 10 0  
## 971 1.250571251 10 1  
## 972 1.491859317 10 1  
## 973 1.890576243 10 0  
## 974 1.943643000 10 0  
## 975 2.054195642 10 0  
## 976 2.035432339 10 0  
## 977 1.467417598 12 0  
## 978 1.961658478 12 1  
## 979 2.072073460 12 1  
## 980 2.105471134 12 1  
## 981 2.051931000 12 1  
## 982 2.333261251 12 1  
## 983 2.471034288 12 1  
## 984 2.454142570 12 1  
## 985 -0.021080988 11 0  
## 986 -0.148845628 11 0  
## 987 0.180695300 11 0  
## 988 -0.036154480 11 0  
## 989 0.397348136 11 0  
## 990 0.972621300 11 0  
## 991 0.563094437 11 0  
## 992 0.759070000 11 0  
## 993 1.462084293 11 0  
## 994 0.326793200 11 0  
## 995 1.563962221 11 0  
## 996 1.113192558 11 0  
## 997 1.209602714 11 1  
## 998 1.129472136 11 0  
## 999 1.354513884 11 0  
## 1000 0.492243800 11 0  
## 1001 2.168267000 12 1  
## 1002 2.483169000 12 1  
## 1003 1.900223851 12 1  
## 1004 2.602960000 12 1  
## 1005 2.328792000 12 1  
## 1006 2.189776000 12 1  
## 1007 2.228549000 12 1  
## 1008 2.323114395 12 1  
## 1009 1.342639089 12 0  
## 1010 1.295780301 12 0  
## 1011 1.233745000 12 0  
## 1012 1.204113126 12 0  
## 1013 1.307853000 12 0  
## 1014 1.478279710 12 0  
## 1015 1.458212137 12 0  
## 1016 1.649769783 12 0  
## 1017 1.188704252 10 0  
## 1018 1.485739350 10 0  
## 1019 1.223408580 10 0  
## 1020 1.647448540 10 0  
## 1021 1.800329447 10 0  
## 1022 1.871322274 10 0  
## 1023 1.832206488 10 0  
## 1024 1.975562000 10 0  
## 1025 1.387375000 13 0  
## 1026 1.464856625 13 0  
## 1027 1.273565888 13 0  
## 1028 1.443047166 13 0  
## 1029 1.631253123 13 0  
## 1030 1.948283315 13 0  
## 1031 2.062085390 13 0  
## 1032 2.127762794 13 0  
## 1033 1.646450520 12 0  
## 1034 1.094869256 12 0  
## 1035 2.092913628 12 0  
## 1036 1.387717605 12 0  
## 1037 1.845065355 12 1  
## 1038 2.171426773 12 0  
## 1039 2.341966391 12 0  
## 1040 2.015887737 12 0  
## 1041 1.957224000 14 1  
## 1042 1.727465153 14 1  
## 1043 2.058228254 14 1  
## 1044 2.390386343 14 0  
## 1045 2.429760695 14 1  
## 1046 2.629008000 14 0  
## 1047 2.342639208 14 0  
## 1048 2.400075436 14 0  
## 1049 1.091324568 12 0  
## 1050 1.445717812 12 0  
## 1051 1.450552702 12 1  
## 1052 1.478550000 12 0  
## 1053 1.549015000 12 0  
## 1054 1.478279710 12 0  
## 1055 1.494579792 12 0  
## 1056 1.589145184 12 1  
## 1057 1.056437373 12 0  
## 1058 1.029619455 12 0  
## 1059 1.381417394 12 1  
## 1060 1.437728000 12 1  
## 1061 1.618007898 12 1  
## 1062 -0.593781700 12 0  
## 1063 1.640533686 12 0  
## 1064 1.649769783 12 1  
## 1065 1.649739265 9 0  
## 1066 -0.405465100 9 0  
## 1067 1.005805254 9 0  
## 1068 1.152693629 9 0  
## 1069 1.421092868 9 0  
## 1070 1.273485303 9 1  
## 1071 1.238150239 9 0  
## 1072 1.706928253 9 0  
## 1073 1.637381673 13 0  
## 1074 1.719438791 13 0  
## 1075 1.926892161 13 0  
## 1076 1.992131710 13 0  
## 1077 2.176565000 13 0  
## 1078 2.071103000 13 0  
## 1079 2.401301146 13 0  
## 1080 2.342917000 13 0  
## 1081 2.035786152 12 0  
## 1082 1.929381000 12 0  
## 1083 1.898800373 12 0  
## 1084 2.088315487 12 0  
## 1085 2.023473000 12 1  
## 1086 2.011084318 12 1  
## 1087 2.074398279 12 1  
## 1088 2.055235000 12 1  
## 1089 1.379098415 14 0  
## 1090 1.763172000 14 0  
## 1091 2.108060598 14 0  
## 1092 1.811385000 14 0  
## 1093 1.743171000 14 0  
## 1094 1.947357000 14 0  
## 1095 2.137335539 14 0  
## 1096 1.812896132 14 0  
## 1097 1.567888141 12 0  
## 1098 1.539057136 12 0  
## 1099 1.285038233 12 0  
## 1100 1.437728000 12 0  
## 1101 1.762589000 12 0  
## 1102 1.514647365 12 0  
## 1103 1.494579792 12 0  
## 1104 1.301463127 12 0  
## 1105 0.902041200 11 0  
## 1106 1.078809619 11 1  
## 1107 1.562516212 11 1  
## 1108 1.844167352 11 1  
## 1109 1.905690000 11 1  
## 1110 2.062377453 11 1  
## 1111 2.166461468 11 1  
## 1112 2.360254000 11 1  
## 1113 1.224856000 11 0  
## 1114 0.934639900 11 0  
## 1115 1.105123401 11 0  
## 1116 1.440295458 11 0  
## 1117 1.208278298 11 0  
## 1118 0.955031600 11 0  
## 1119 1.554003239 11 0  
## 1120 1.494834542 11 0  
## 1121 1.197268000 10 1  
## 1122 0.629585700 10 1  
## 1123 0.583803700 10 0  
## 1124 0.925409900 10 0  
## 1125 1.112001538 10 0  
## 1126 1.075613737 10 0  
## 1127 1.476225495 10 0  
## 1128 1.528573871 10 0  
## 1129 1.186690092 12 1  
## 1130 1.306251645 12 1  
## 1131 1.735641479 12 1  
## 1132 1.682248116 12 0  
## 1133 1.872977614 12 1  
## 1134 1.905983000 12 1  
## 1135 2.026607513 12 1  
## 1136 2.006702423 12 0  
## 1137 2.185739000 12 1  
## 1138 2.190016508 12 1  
## 1139 2.189256430 12 1  
## 1140 2.102063417 12 1  
## 1141 2.143361568 12 1  
## 1142 2.113796473 12 1  
## 1143 2.179110289 12 1  
## 1144 2.282292366 12 1  
## 1145 1.378739595 12 0  
## 1146 1.049822092 12 0  
## 1147 1.312424541 12 0  
## 1148 1.228377819 12 0  
## 1149 1.143549919 12 0  
## 1150 1.266992807 12 0  
## 1151 1.126232386 12 0  
## 1152 1.067848325 12 0  
## 1153 1.462527633 12 1  
## 1154 1.547507000 12 0  
## 1155 1.335057855 12 0  
## 1156 1.219329476 12 0  
## 1157 1.478321910 12 0  
## 1158 2.021294355 12 0  
## 1159 1.734704137 12 0  
## 1160 1.785409689 12 0  
## 1161 1.602150202 12 0  
## 1162 1.634755731 12 0  
## 1163 1.739293575 12 0  
## 1164 1.781120658 12 0  
## 1165 1.805086613 12 0  
## 1166 2.099656820 12 0  
## 1167 2.066472292 12 0  
## 1168 1.930071831 12 0  
## 1169 0.339826077 13 0  
## 1170 0.712195400 13 0  
## 1171 1.144321203 13 1  
## 1172 0.980790100 13 0  
## 1173 1.588791370 13 1  
## 1174 1.821450472 13 1  
## 1175 1.964918000 13 1  
## 1176 1.989130855 13 1  
## 1177 1.918003201 13 0  
## 1178 1.847849000 13 0  
## 1179 1.973173000 13 0  
## 1180 2.101274729 13 0  
## 1181 2.045452000 13 0  
## 1182 2.110339165 13 0  
## 1183 2.087185621 13 0  
## 1184 2.076887608 13 0  
## 1185 1.711226225 12 1  
## 1186 1.655593634 12 1  
## 1187 1.680934000 12 0  
## 1188 1.562670588 12 0  
## 1189 1.641203403 12 0  
## 1190 1.535849571 12 0  
## 1191 1.563572645 12 1  
## 1192 1.618998170 12 0  
## 1193 0.948640500 10 0  
## 1194 1.067386150 10 0  
## 1195 1.275468826 10 1  
## 1196 1.219725847 10 0  
## 1197 1.069441915 10 0  
## 1198 1.244687915 10 0  
## 1199 1.030274153 10 0  
## 1200 1.441609740 10 0  
## 1201 1.840041637 13 0  
## 1202 1.798149228 13 0  
## 1203 2.098899126 13 0  
## 1204 2.267007351 13 0  
## 1205 2.369424000 13 0  
## 1206 2.396051000 13 0  
## 1207 2.452834606 13 0  
## 1208 2.577756643 13 0  
## 1209 1.219386578 12 1  
## 1210 1.295188785 12 0  
## 1211 1.039369226 12 1  
## 1212 1.115516000 12 0  
## 1213 1.233050704 12 1  
## 1214 1.360496640 12 0  
## 1215 1.570746899 12 0  
## 1216 1.589145184 12 1  
## 1217 2.141146660 11 1  
## 1218 2.156156540 11 1  
## 1219 2.262211000 11 1  
## 1220 2.285025835 11 1  
## 1221 2.436318159 11 1  
## 1222 2.309577227 11 1  
## 1223 2.352030000 11 1  
## 1224 2.313064000 11 1  
## 1225 1.543309689 9 0  
## 1226 1.562185000 9 0  
## 1227 1.502950788 9 1  
## 1228 0.880942000 9 0  
## 1229 0.231112719 9 1  
## 1230 1.200866580 9 0  
## 1231 0.909646200 9 0  
## 1232 1.020701170 9 0  
## 1233 0.754852400 12 0  
## 1234 1.088661909 12 0  
## 1235 1.017158866 12 1  
## 1236 0.989703300 12 0  
## 1237 1.010018468 12 1  
## 1238 1.053766370 12 0  
## 1239 0.925013700 12 0  
## 1240 0.902428900 12 0  
## 1241 1.447999597 12 0  
## 1242 1.347073674 12 0  
## 1243 1.285038233 12 0  
## 1244 1.350716591 12 0  
## 1245 1.435686350 12 1  
## 1246 1.440539360 12 0  
## 1247 1.628111124 12 0  
## 1248 1.678757310 12 0  
## 1249 1.788325429 12 0  
## 1250 1.683545828 12 1  
## 1251 1.872825000 12 0  
## 1252 1.660871625 12 0  
## 1253 1.618007898 12 0  
## 1254 1.648178697 12 0  
## 1255 1.688735843 12 0  
## 1256 1.760995507 12 0  
## 1257 1.602150202 12 1  
## 1258 1.570217252 12 0  
## 1259 1.667688727 12 1  
## 1260 1.354867220 12 1  
## 1261 1.518709660 12 1  
## 1262 1.514647365 12 1  
## 1263 1.745894194 12 0  
## 1264 1.952050686 12 1  
## 1265 1.978627801 14 0  
## 1266 2.149075270 14 0  
## 1267 2.297708000 14 0  
## 1268 2.085754871 14 0  
## 1269 2.186403275 14 0  
## 1270 2.011084318 14 0  
## 1271 2.033576250 14 0  
## 1272 1.907599000 14 0  
## 1273 1.109545112 10 1  
## 1274 1.281934381 10 0  
## 1275 1.253878117 10 0  
## 1276 1.265068412 10 0  
## 1277 1.261332870 10 0  
## 1278 1.273736119 10 0  
## 1279 1.371681690 10 0  
## 1280 1.524296522 10 1  
## 1281 0.624082148 13 0  
## 1282 1.261551499 13 0  
## 1283 1.627619000 13 0  
## 1284 1.622289896 13 0  
## 1285 1.620272875 13 0  
## 1286 1.595732212 13 0  
## 1287 1.717723370 13 0  
## 1288 1.631644000 13 0  
## 1289 1.891335000 12 0  
## 1290 1.788906455 12 0  
## 1291 1.835084558 12 0  
## 1292 1.887906313 12 0  
## 1293 1.847006440 12 0  
## 1294 1.888944000 12 0  
## 1295 1.922810793 12 0  
## 1296 1.833491000 12 0  
## 1297 1.554879000 13 0  
## 1298 1.647178292 13 0  
## 1299 1.686495304 13 0  
## 1300 1.640532851 13 0  
## 1301 1.743171000 13 0  
## 1302 2.026055813 13 0  
## 1303 1.946565000 13 0  
## 1304 1.973556876 13 0  
## 1305 1.479252100 13 0  
## 1306 1.825711727 13 0  
## 1307 1.691493630 13 0  
## 1308 1.808791757 13 0  
## 1309 1.982567310 13 0  
## 1310 1.983113647 13 0  
## 1311 2.826184273 13 0  
## 1312 2.411125183 13 0  
## 1313 1.336850286 9 0  
## 1314 1.494378805 9 1  
## 1315 2.040753603 9 0  
## 1316 1.992973000 9 0  
## 1317 1.939212680 9 0  
## 1318 2.088662863 9 0  
## 1319 2.284577000 9 0  
## 1320 1.936704278 9 0  
## 1321 2.293602000 13 1  
## 1322 1.565736651 13 0  
## 1323 1.812653000 13 0  
## 1324 1.898543239 13 0  
## 1325 2.007620811 13 0  
## 1326 2.143556595 13 0  
## 1327 3.397526000 13 0  
## 1328 2.071349621 13 0  
## 1329 0.378932700 9 0  
## 1330 1.075139880 9 0  
## 1331 0.746522700 9 0  
## 1332 1.206616282 9 0  
## 1333 1.185723662 9 0  
## 1334 1.327396750 9 0  
## 1335 1.198237777 9 0  
## 1336 1.408656836 9 0  
## 1337 1.184034000 12 0  
## 1338 1.718664000 12 0  
## 1339 1.696498394 12 0  
## 1340 1.725410104 12 0  
## 1341 1.975124478 12 0  
## 1342 0.941930900 12 0  
## 1343 1.420471787 12 0  
## 1344 1.646477699 12 0  
## 1345 1.162724257 9 0  
## 1346 1.203972816 9 0  
## 1347 1.080877185 9 0  
## 1348 0.832566400 9 0  
## 1349 1.182237387 9 0  
## 1350 1.360496640 9 0  
## 1351 1.357177000 9 0  
## 1352 1.381505847 9 0  
## 1353 1.666561246 15 0  
## 1354 1.337504148 15 0  
## 1355 1.372461000 15 0  
## 1356 1.577874660 15 0  
## 1357 1.114503384 15 0  
## 1358 1.708018780 15 0  
## 1359 1.800527215 15 0  
## 1360 1.960708737 15 0  
## 1361 1.304898739 12 0  
## 1362 1.316561000 12 0  
## 1363 1.731809616 12 0  
## 1364 1.531016000 12 0  
## 1365 1.920218000 12 0  
## 1366 1.578365684 12 0  
## 1367 2.050057411 12 0  
## 1368 1.946507215 12 0  
## 1369 1.400209000 12 0  
## 1370 1.625932217 12 0  
## 1371 1.907714367 12 0  
## 1372 1.705051000 12 0  
## 1373 1.818678617 12 0  
## 1374 1.772909000 12 0  
## 1375 1.723421335 12 0  
## 1376 2.043400526 12 0  
## 1377 1.458102822 14 1  
## 1378 1.760079145 14 1  
## 1379 1.788678169 14 1  
## 1380 2.052928448 14 1  
## 1381 2.436478376 14 0  
## 1382 2.901422501 14 0  
## 1383 3.079569578 14 0  
## 1384 2.624699354 14 0  
## 1385 2.068576000 12 1  
## 1386 2.158003807 12 1  
## 1387 2.201329000 12 1  
## 1388 2.092654000 12 1  
## 1389 2.475539000 12 1  
## 1390 2.216986000 12 1  
## 1391 2.267264843 12 1  
## 1392 2.277177334 12 1  
## 1393 1.863936000 12 1  
## 1394 1.617106000 12 1  
## 1395 1.866959810 12 1  
## 1396 1.782387495 12 1  
## 1397 1.868831873 12 1  
## 1398 1.803320646 12 1  
## 1399 1.665594220 12 1  
## 1400 1.716978550 12 1  
## 1401 2.141146660 15 0  
## 1402 2.201489000 15 0  
## 1403 2.181126356 15 0  
## 1404 2.267007351 15 0  
## 1405 2.421503000 15 0  
## 1406 2.430938000 15 0  
## 1407 2.583622694 15 0  
## 1408 2.649536371 15 0  
## 1409 1.515658259 12 0  
## 1410 1.293767000 12 0  
## 1411 1.367688537 12 0  
## 1412 1.676213000 12 0  
## 1413 1.975542426 12 1  
## 1414 2.133686543 12 1  
## 1415 2.113619000 12 1  
## 1416 2.183852434 12 1  
## 1417 0.591132300 12 0  
## 1418 0.688989200 12 0  
## 1419 0.846783300 12 0  
## 1420 1.192522000 12 0  
## 1421 0.961811200 12 0  
## 1422 0.886131900 12 0  
## 1423 1.000118136 12 0  
## 1424 1.723409414 12 0  
## 1425 0.483651549 10 0  
## 1426 0.030459210 10 0  
## 1427 0.687682152 10 0  
## 1428 0.675587952 10 0  
## 1429 0.646537200 10 0  
## 1430 0.955031600 10 0  
## 1431 1.563572645 10 0  
## 1432 1.301463127 10 0  
## 1433 1.630321145 12 1  
## 1434 1.934860349 12 1  
## 1435 1.926892161 12 1  
## 1436 1.620049596 12 1  
## 1437 2.045452000 12 1  
## 1438 2.133686543 12 1  
## 1439 1.946565000 12 1  
## 1440 2.035432339 12 1  
## 1441 1.978243232 14 0  
## 1442 1.743810000 14 0  
## 1443 1.929395318 14 0  
## 1444 2.061031580 14 0  
## 1445 2.264565000 14 0  
## 1446 2.152734756 14 0  
## 1447 2.289509773 14 0  
## 1448 2.313064000 14 0  
## 1449 1.602733135 12 1  
## 1450 2.199401000 12 1  
## 1451 1.608244181 12 1  
## 1452 1.378008723 12 0  
## 1453 1.854396582 12 1  
## 1454 1.514647365 12 0  
## 1455 1.661633849 12 0  
## 1456 2.374757528 12 1  
## 1457 1.740221262 13 0  
## 1458 1.853757858 13 0  
## 1459 1.925999641 13 0  
## 1460 2.010764000 13 0  
## 1461 2.016823292 13 0  
## 1462 2.046675205 13 0  
## 1463 2.238492250 13 0  
## 1464 2.245722294 13 0  
## 1465 0.916347300 11 0  
## 1466 1.449234128 11 0  
## 1467 1.926892161 11 0  
## 1468 2.043863773 11 0  
## 1469 2.148636000 11 0  
## 1470 2.171426773 11 0  
## 1471 2.239912748 11 0  
## 1472 2.282292366 11 0  
## 1473 1.978627801 12 1  
## 1474 1.934860349 12 1  
## 1475 1.818555236 12 1  
## 1476 1.943541000 12 1  
## 1477 1.866637230 12 1  
## 1478 2.019397497 12 1  
## 1479 1.943085432 12 1  
## 1480 1.553184271 12 0  
## 1481 1.496352792 8 1  
## 1482 1.778060675 8 1  
## 1483 1.832701802 8 1  
## 1484 1.972959280 8 1  
## 1485 1.028619885 8 1  
## 1486 1.493841767 8 0  
## 1487 1.340429000 8 0  
## 1488 1.900299668 8 0  
## 1489 1.790993571 12 1  
## 1490 1.847109556 12 1  
## 1491 1.680650353 12 1  
## 1492 1.777760386 12 1  
## 1493 1.789452791 12 1  
## 1494 1.793360710 12 1  
## 1495 2.192090511 12 1  
## 1496 1.844475389 12 1  
## 1497 1.696043730 12 0  
## 1498 1.586090565 12 0  
## 1499 1.562670000 12 0  
## 1500 1.577490000 12 0  
## 1501 1.584106326 12 0  
## 1502 1.391749263 12 0  
## 1503 1.602793336 12 0  
## 1504 1.614857554 12 0  
## 1505 1.876349000 12 1  
## 1506 1.820502000 12 1  
## 1507 1.872125864 12 1  
## 1508 2.093135000 12 1  
## 1509 2.272153000 12 1  
## 1510 2.152315378 12 0  
## 1511 2.235610000 12 0  
## 1512 2.299584000 12 0  
## 1513 1.646850467 10 1  
## 1514 1.819177389 10 1  
## 1515 1.627619000 10 1  
## 1516 2.153828859 10 1  
## 1517 2.733778238 10 1  
## 1518 2.333663000 10 1  
## 1519 1.622996000 10 0  
## 1520 1.760340000 10 0  
## 1521 1.641714334 12 0  
## 1522 1.573733449 12 1  
## 1523 0.910622200 12 0  
## 1524 1.150046000 12 1  
## 1525 1.504465818 12 1  
## 1526 1.574532151 12 1  
## 1527 1.508764386 12 1  
## 1528 1.678757310 12 1  
## 1529 1.320166230 11 0  
## 1530 0.699857300 11 1  
## 1531 1.285038233 11 0  
## 1532 1.660871625 11 0  
## 1533 1.565942287 11 1  
## 1534 1.708803415 11 1  
## 1535 1.752889752 11 0  
## 1536 1.690241337 11 0  
## 1537 1.206918359 13 0  
## 1538 1.443452716 13 0  
## 1539 0.625880700 13 0  
## 1540 1.860261000 13 0  
## 1541 2.167533398 13 0  
## 1542 2.273642540 13 0  
## 1543 2.370995760 13 0  
## 1544 2.333887815 13 0  
## 1545 1.233230829 12 0  
## 1546 1.315198421 12 0  
## 1547 1.276201725 12 1  
## 1548 1.552003860 12 0  
## 1549 1.288131118 12 0  
## 1550 1.276819229 12 0  
## 1551 1.396717668 12 0  
## 1552 1.768033743 12 0  
## 1553 1.208285332 11 0  
## 1554 1.255266000 11 0  
## 1555 -0.269049555 11 0  
## 1556 0.721766200 11 0  
## 1557 0.370360000 11 0  
## 1558 1.015656233 11 0  
## 1559 1.057566285 11 0  
## 1560 1.683456000 11 1  
## 1561 1.638043165 7 1  
## 1562 1.106140614 7 1  
## 1563 1.593446493 7 0  
## 1564 1.587880254 7 0  
## 1565 2.001481000 7 0  
## 1566 1.728221416 7 0  
## 1567 1.684623361 7 0  
## 1568 1.930071831 7 0  
## 1569 1.391910000 12 0  
## 1570 1.820159000 12 0  
## 1571 0.609472600 12 0  
## 1572 1.492062330 12 0  
## 1573 1.807325000 12 0  
## 1574 1.849918365 12 0  
## 1575 1.986986399 12 0  
## 1576 3.343164444 12 0  
## 1577 1.358387351 10 0  
## 1578 1.376632452 10 0  
## 1579 1.547402501 10 0  
## 1580 1.843193173 10 1  
## 1581 2.128833532 10 0  
## 1582 2.053644000 10 0  
## 1583 1.776621699 10 0  
## 1584 2.409315348 10 1  
## 1585 1.231923223 15 0  
## 1586 1.175223351 15 1  
## 1587 1.558331609 15 0  
## 1588 1.631099463 15 0  
## 1589 1.889625311 15 0  
## 1590 2.065249443 15 0  
## 1591 2.074398279 15 0  
## 1592 2.282292366 15 0  
## 1593 1.238076210 12 0  
## 1594 1.306488395 12 0  
## 1595 1.632899880 12 1  
## 1596 1.554205418 12 0  
## 1597 1.782629848 12 0  
## 1598 1.960333705 12 0  
## 1599 2.140911000 12 0  
## 1600 2.217754000 12 0  
## 1601 1.973895431 14 1  
## 1602 2.390996000 14 1  
## 1603 2.356251478 14 0  
## 1604 2.562250000 14 1  
## 1605 2.635774612 14 1  
## 1606 2.642530000 14 1  
## 1607 2.806766272 14 1  
## 1608 2.812797546 14 1  
## 1609 0.520236433 12 0  
## 1610 0.057849534 12 0  
## 1611 1.111224771 12 0  
## 1612 1.182082772 12 0  
## 1613 1.318163276 12 0  
## 1614 1.341448426 12 0  
## 1615 2.040712000 12 0  
## 1616 1.815370440 12 0  
## 1617 1.356192000 10 0  
## 1618 1.080912709 10 0  
## 1619 0.616223156 10 0  
## 1620 0.984882600 10 0  
## 1621 0.771538300 10 0  
## 1622 1.209427714 10 0  
## 1623 2.044626236 10 0  
## 1624 1.649022222 10 0  
## 1625 1.451410770 12 0  
## 1626 1.421489835 12 0  
## 1627 1.565358000 12 0  
## 1628 1.999509573 12 0  
## 1629 1.722743154 12 0  
## 1630 1.820781827 12 0  
## 1631 2.042850000 12 0  
## 1632 1.933081150 12 0  
## 1633 1.227121000 10 0  
## 1634 1.529395223 10 0  
## 1635 1.735681176 10 0  
## 1636 1.741438150 10 0  
## 1637 1.949175000 10 0  
## 1638 2.175533772 10 0  
## 1639 1.976418000 10 0  
## 1640 2.099970818 10 0  
## 1641 1.572112679 12 0  
## 1642 2.217820000 12 0  
## 1643 0.984221700 12 0  
## 1644 1.302155495 12 0  
## 1645 1.845065355 12 0  
## 1646 1.910543000 12 0  
## 1647 2.321258307 12 0  
## 1648 2.464614000 12 0  
## 1649 1.934358120 15 0  
## 1650 2.040220737 15 0  
## 1651 1.978185415 15 0  
## 1652 2.020874262 15 0  
## 1653 2.168054000 15 0  
## 1654 2.094465733 15 0  
## 1655 1.578942180 15 0  
## 1656 1.168412685 15 0  
## 1657 1.180120111 11 0  
## 1658 0.952349800 11 0  
## 1659 1.387909000 11 0  
## 1660 1.468980551 11 0  
## 1661 1.929643154 11 0  
## 1662 2.044514000 11 0  
## 1663 1.883831000 11 0  
## 1664 2.112393379 11 0  
## 1665 1.337842822 16 0  
## 1666 2.208222389 16 0  
## 1667 1.997603536 16 0  
## 1668 2.055536509 16 0  
## 1669 1.873734355 16 0  
## 1670 2.010158777 16 0  
## 1671 2.032837000 16 0  
## 1672 2.195281000 16 0  
## 1673 2.122098446 13 0  
## 1674 0.653926500 13 0  
## 1675 1.582382202 13 0  
## 1676 1.335449219 13 0  
## 1677 1.921194000 13 0  
## 1678 0.765259200 13 0  
## 1679 1.539818525 13 0  
## 1680 2.035432339 13 0  
## 1681 0.256118800 11 0  
## 1682 -1.259880424 11 0  
## 1683 1.547402501 11 1  
## 1684 1.591878653 11 1  
## 1685 1.657228589 11 1  
## 1686 1.583640218 11 1  
## 1687 1.596362472 11 0  
## 1688 1.524606705 11 1  
## 1689 1.190826297 11 0  
## 1690 1.572880268 11 0  
## 1691 2.167335000 11 0  
## 1692 1.859255552 11 0  
## 1693 2.036295176 11 0  
## 1694 2.139956236 11 0  
## 1695 2.194541000 11 0  
## 1696 2.076887608 11 0  
## 1697 1.601883173 14 0  
## 1698 1.376647115 14 0  
## 1699 1.348356485 14 0  
## 1700 1.216155529 14 0  
## 1701 1.253978252 14 0  
## 1702 1.505544186 14 0  
## 1703 1.527033329 14 0  
## 1704 1.697855830 14 0  
## 1705 2.130711794 13 0  
## 1706 2.002480507 13 0  
## 1707 2.160507000 13 0  
## 1708 1.980394244 13 0  
## 1709 2.159004450 13 0  
## 1710 2.242757559 13 0  
## 1711 2.321258307 13 0  
## 1712 2.551577000 13 0  
## 1713 1.679111242 12 1  
## 1714 1.534714341 12 1  
## 1715 1.660047000 12 1  
## 1716 1.700092316 12 1  
## 1717 1.486440301 12 1  
## 1718 1.682080269 12 1  
## 1719 1.478807449 12 0  
## 1720 1.547057000 12 1  
## 1721 2.165839434 12 1  
## 1722 2.089011000 12 1  
## 1723 2.126562357 12 1  
## 1724 2.130875000 12 1  
## 1725 2.128833532 12 1  
## 1726 2.094465733 12 1  
## 1727 2.074398279 12 1  
## 1728 2.035432339 12 0  
## 1729 0.931846300 14 1  
## 1730 1.958489000 14 0  
## 1731 1.739202857 14 0  
## 1732 1.877426267 14 0  
## 1733 2.529844284 14 0  
## 1734 3.449363232 14 0  
## 1735 2.862749000 14 0  
## 1736 3.016261578 14 0  
## 1737 1.710363865 12 0  
## 1738 1.609438000 12 0  
## 1739 1.592523000 12 0  
## 1740 1.591878653 12 0  
## 1741 1.692075253 12 1  
## 1742 1.871322274 12 1  
## 1743 1.851254702 12 1  
## 1744 1.952050686 12 1  
## 1745 2.063185215 12 1  
## 1746 2.040220737 12 1  
## 1747 2.201329000 12 1  
## 1748 2.066336632 12 1  
## 1749 1.978010654 12 1  
## 1750 1.924594760 12 1  
## 1751 2.149836000 12 1  
## 1752 1.921143174 12 0  
## 1753 1.671143174 11 1  
## 1754 1.609438000 11 1  
## 1755 1.821839333 11 0  
## 1756 1.843193173 11 0  
## 1757 1.931698799 11 1  
## 1758 1.943332791 11 1  
## 1759 1.901922822 11 0  
## 1760 2.001266718 11 1  
## 1761 1.964307785 12 0  
## 1762 2.064913511 12 0  
## 1763 2.026975632 12 0  
## 1764 2.088315487 12 0  
## 1765 2.088011503 12 0  
## 1766 2.207794428 12 0  
## 1767 2.187727000 12 0  
## 1768 2.148761000 12 0  
## 1769 1.443203449 12 0  
## 1770 1.417166000 12 0  
## 1771 1.652763000 12 0  
## 1772 1.693661332 12 0  
## 1773 1.682546377 12 0  
## 1774 1.678222895 12 0  
## 1775 1.481682539 12 0  
## 1776 1.437259555 12 0  
## 1777 1.126323462 14 0  
## 1778 0.230986729 14 0  
## 1779 2.227126598 14 0  
## 1780 2.171697140 14 0  
## 1781 2.220440865 14 0  
## 1782 2.181477308 14 0  
## 1783 2.439041376 14 0  
## 1784 2.510423422 14 0  
## 1785 1.671143174 12 1  
## 1786 2.024953365 12 1  
## 1787 -0.487303138 12 1  
## 1788 1.861542225 12 1  
## 1789 1.944910645 12 1  
## 1790 1.871322274 12 1  
## 1791 1.942237377 12 1  
## 1792 2.033430338 12 1  
## 1793 1.118880272 12 0  
## 1794 1.839240000 12 0  
## 1795 1.892763734 12 1  
## 1796 1.957348228 12 1  
## 1797 2.032702000 12 1  
## 1798 2.188393000 12 1  
## 1799 2.303775311 12 1  
## 1800 2.277212000 12 1  
## 1801 1.766997576 12 0  
## 1802 1.801297188 12 0  
## 1803 1.925882816 12 0  
## 1804 2.043863773 12 0  
## 1805 2.129902363 12 0  
## 1806 2.159004450 12 0  
## 1807 2.223893642 12 0  
## 1808 2.130742550 12 1  
## 1809 2.010241270 12 1  
## 1810 2.072185755 12 1  
## 1811 2.261603000 12 0  
## 1812 2.210918000 12 1  
## 1813 2.242162228 12 1  
## 1814 2.080082417 12 1  
## 1815 2.138936758 12 0  
## 1816 2.160595417 12 1  
## 1817 0.907241800 10 0  
## 1818 0.074723550 10 0  
## 1819 0.171579465 10 0  
## 1820 0.948002600 10 0  
## 1821 1.227070808 10 0  
## 1822 0.435453147 10 0  
## 1823 0.638812000 10 0  
## 1824 1.677556157 10 0  
## 1825 1.508497715 12 0  
## 1826 1.831605434 12 1  
## 1827 1.506580472 12 1  
## 1828 1.631655000 12 1  
## 1829 1.545016527 12 1  
## 1830 1.820029000 12 1  
## 1831 1.641958237 12 1  
## 1832 1.688990593 12 0  
## 1833 1.842216000 14 0  
## 1834 1.736189604 14 0  
## 1835 2.291991711 14 0  
## 1836 1.838029000 14 0  
## 1837 2.331942000 14 0  
## 1838 2.288879395 14 0  
## 1839 2.510144234 14 0  
## 1840 2.460952000 14 0  
## 1841 1.670646000 12 0  
## 1842 1.939277000 12 0  
## 1843 2.049585000 12 0  
## 1844 2.010247231 12 0  
## 1845 2.091792000 12 0  
## 1846 2.023338556 12 0  
## 1847 1.975597739 12 0  
## 1848 1.853110790 12 0  
## 1849 1.674410820 13 0  
## 1850 1.791759491 13 0  
## 1851 1.518797755 13 0  
## 1852 1.725410104 13 0  
## 1853 1.648644805 13 0  
## 1854 1.777669668 13 0  
## 1855 1.773293138 13 0  
## 1856 1.812288761 13 0  
## 1857 -1.103046894 13 0  
## 1858 1.863826275 13 0  
## 1859 1.744330287 13 0  
## 1860 2.112884283 13 0  
## 1861 2.081042767 13 0  
## 1862 2.401950598 13 0  
## 1863 2.493108511 13 0  
## 1864 2.728579521 13 0  
## 1865 1.680525000 12 0  
## 1866 1.703229000 12 0  
## 1867 1.668849230 12 1  
## 1868 2.018772000 12 1  
## 1869 2.023873806 12 1  
## 1870 2.122081000 12 1  
## 1871 2.014528000 12 1  
## 1872 2.148761000 12 1  
## 1873 1.256108522 11 0  
## 1874 1.716536000 11 0  
## 1875 1.721012115 11 0  
## 1876 1.764630795 11 0  
## 1877 2.147469521 11 0  
## 1878 2.089441776 11 0  
## 1879 2.148428440 11 0  
## 1880 2.160469000 11 0  
## 1881 1.948774815 12 1  
## 1882 2.040220737 12 1  
## 1883 2.066516876 12 1  
## 1884 2.210918000 12 1  
## 1885 2.084045410 12 1  
## 1886 2.094465733 12 1  
## 1887 1.980400205 12 1  
## 1888 1.997931480 12 1  
## 1889 1.173124075 11 0  
## 1890 1.318881631 11 0  
## 1891 1.480381250 11 0  
## 1892 1.613750815 11 0  
## 1893 1.406840444 11 0  
## 1894 1.391749263 11 0  
## 1895 1.291639000 11 0  
## 1896 1.332715631 11 0  
## 1897 1.440416217 11 0  
## 1898 1.413945913 11 0  
## 1899 1.547402501 11 0  
## 1900 1.768828750 11 0  
## 1901 1.766427875 11 0  
## 1902 1.871322274 11 0  
## 1903 1.710271597 11 0  
## 1904 1.610347390 11 0  
## 1905 2.249360323 12 1  
## 1906 2.359743595 12 1  
## 1907 2.279770374 12 1  
## 1908 2.320117235 12 1  
## 1909 2.304466000 12 1  
## 1910 2.401950598 12 1  
## 1911 2.439041376 12 1  
## 1912 2.454142570 12 1  
## 1913 1.998046000 12 0  
## 1914 1.893159628 12 0  
## 1915 1.852390289 12 0  
## 1916 1.620530486 12 0  
## 1917 1.996204000 12 0  
## 1918 1.583858728 12 0  
## 1919 1.849038243 12 0  
## 1920 2.059148788 12 0  
## 1921 0.594539400 15 1  
## 1922 0.546165000 15 0  
## 1923 0.952695400 15 0  
## 1924 0.771379054 15 0  
## 1925 2.028292179 15 0  
## 1926 1.965131164 15 0  
## 1927 1.905589000 15 0  
## 1928 1.655942678 15 0  
## 1929 1.447999597 11 0  
## 1930 1.328025460 11 1  
## 1931 1.523930192 11 1  
## 1932 1.594960332 11 0  
## 1933 2.445154190 11 1  
## 1934 1.736064672 11 0  
## 1935 1.693307400 11 1  
## 1936 1.982937813 11 1  
## 1937 1.611273000 7 0  
## 1938 1.752538800 7 0  
## 1939 1.671455145 7 0  
## 1940 1.437728000 7 0  
## 1941 1.905690000 7 0  
## 1942 1.424010000 7 0  
## 1943 1.803861000 7 0  
## 1944 1.524606705 7 0  
## 1945 2.007615328 12 0  
## 1946 2.179982662 12 0  
## 1947 1.978185415 12 0  
## 1948 1.948553681 12 0  
## 1949 2.088011503 12 0  
## 1950 2.094465733 12 0  
## 1951 1.991016626 12 0  
## 1952 2.035432339 12 0  
## 1953 0.856867300 9 0  
## 1954 1.332504153 9 0  
## 1955 1.305210829 9 0  
## 1956 1.214584470 9 0  
## 1957 1.247924685 9 0  
## 1958 1.463113666 9 1  
## 1959 1.340429000 9 0  
## 1960 2.043881416 9 0  
## 1961 1.314949000 11 1  
## 1962 1.194172859 11 0  
## 1963 0.900927200 11 0  
## 1964 1.254532695 11 0  
## 1965 1.382889152 11 0  
## 1966 1.612619400 11 0  
## 1967 1.868714000 11 0  
## 1968 1.815251708 11 0  
## 1969 1.438430000 9 0  
## 1970 1.541708469 9 0  
## 1971 1.419747710 9 0  
## 1972 1.679983377 9 0  
## 1973 1.388999224 9 0  
## 1974 1.434674263 9 0  
## 1975 1.557069182 9 0  
## 1976 1.484659195 9 0  
## 1977 2.204250336 13 0  
## 1978 2.411656000 13 0  
## 1979 2.314657688 13 0  
## 1980 2.508169413 13 0  
## 1981 2.598837000 13 0  
## 1982 2.700374000 13 0  
## 1983 2.741446733 13 0  
## 1984 2.663440228 13 0  
## 1985 2.564134000 12 1  
## 1986 2.510224342 12 1  
## 1987 2.593371000 12 1  
## 1988 2.563739300 12 1  
## 1989 2.465305805 12 1  
## 1990 2.613259554 12 1  
## 1991 2.645498000 12 1  
## 1992 2.282292366 12 1  
## 1993 1.777172446 16 0  
## 1994 1.897120000 16 0  
## 1995 2.026975632 16 0  
## 1996 2.130875000 16 0  
## 1997 2.045452000 16 0  
## 1998 2.235965490 16 0  
## 1999 2.113619000 16 0  
## 2000 2.148761000 16 0  
## 2001 1.171367288 10 0  
## 2002 1.843052745 10 0  
## 2003 1.161168814 10 0  
## 2004 0.917772600 10 0  
## 2005 0.927102400 10 0  
## 2006 1.455806851 10 0  
## 2007 1.373218894 10 0  
## 2008 1.448445320 10 0  
## 2009 0.993331900 12 1  
## 2010 0.984668000 12 1  
## 2011 1.242137432 12 1  
## 2012 1.784833550 12 1  
## 2013 1.833685000 12 1  
## 2014 1.517054000 12 0  
## 2015 1.628111124 12 1  
## 2016 1.426626325 12 1  
## 2017 1.680458307 11 1  
## 2018 2.290006399 11 1  
## 2019 2.028579473 11 1  
## 2020 1.758648753 11 1  
## 2021 2.003092527 11 1  
## 2022 1.474594831 11 0  
## 2023 2.352030000 11 0  
## 2024 1.388474464 11 0  
## 2025 1.195795178 11 1  
## 2026 1.397355318 11 0  
## 2027 1.517894506 11 0  
## 2028 1.786034703 11 0  
## 2029 1.251763463 11 0  
## 2030 1.306227088 11 0  
## 2031 1.448196411 11 0  
## 2032 1.364976525 11 1  
## 2033 1.459483504 12 0  
## 2034 1.592908621 12 0  
## 2035 1.398367000 12 0  
## 2036 1.820720315 12 0  
## 2037 1.682546377 12 0  
## 2038 1.557775736 12 0  
## 2039 1.340429000 12 0  
## 2040 1.210275000 12 0  
## 2041 2.117404461 12 1  
## 2042 2.267192602 12 1  
## 2043 1.991295000 12 1  
## 2044 2.140562296 12 1  
## 2045 2.168054000 12 1  
## 2046 1.936593652 12 1  
## 2047 1.601009250 12 1  
## 2048 1.711333513 12 1  
## 2049 1.854151726 6 0  
## 2050 1.805129647 6 0  
## 2051 1.872825000 6 0  
## 2052 1.978112459 6 0  
## 2053 1.999408000 6 1  
## 2054 2.188746452 6 0  
## 2055 2.074398279 6 0  
## 2056 1.504884839 6 0  
## 2057 1.229391217 10 0  
## 2058 1.418341000 10 0  
## 2059 1.070392251 10 1  
## 2060 0.820724900 10 0  
## 2061 1.236496000 10 0  
## 2062 1.291503787 10 0  
## 2063 1.360231757 10 0  
## 2064 1.034670830 10 0  
## 2065 1.802247763 12 0  
## 2066 1.785328627 12 0  
## 2067 1.815666556 12 0  
## 2068 1.875983000 12 0  
## 2069 1.800329447 12 0  
## 2070 1.820029000 12 0  
## 2071 1.475531578 12 0  
## 2072 1.800216198 12 0  
## 2073 2.112708807 12 1  
## 2074 2.229253769 12 0  
## 2075 1.533609152 12 0  
## 2076 1.638398767 12 0  
## 2077 1.699027658 12 0  
## 2078 1.617568851 12 0  
## 2079 1.630912304 12 0  
## 2080 1.704527259 12 0  
## 2081 1.061952591 11 0  
## 2082 1.016822815 11 0  
## 2083 1.244216204 11 0  
## 2084 1.169464000 11 0  
## 2085 1.105809569 11 0  
## 2086 0.637577355 11 0  
## 2087 0.609541600 11 0  
## 2088 1.715748429 11 0  
## 2089 1.721292853 11 0  
## 2090 1.981609344 11 1  
## 2091 1.209655643 11 0  
## 2092 1.467286825 11 1  
## 2093 1.797547817 11 1  
## 2094 2.153104544 11 1  
## 2095 1.991016626 11 1  
## 2096 2.183852434 11 1  
## 2097 1.742112517 12 0  
## 2098 1.360412717 12 0  
## 2099 1.289857507 12 0  
## 2100 1.224947214 12 0  
## 2101 1.212542772 12 0  
## 2102 1.133723378 12 0  
## 2103 1.112820000 12 0  
## 2104 1.311340809 12 0  
## 2105 0.406412600 12 0  
## 2106 0.040821996 12 0  
## 2107 0.991140500 12 0  
## 2108 0.512553800 12 0  
## 2109 0.731779900 12 0  
## 2110 1.207639694 12 0  
## 2111 1.340429000 12 0  
## 2112 1.348405838 12 0  
## 2113 1.543309689 11 0  
## 2114 1.683545828 11 0  
## 2115 1.479456663 11 0  
## 2116 1.150046000 11 0  
## 2117 1.142201304 11 0  
## 2118 1.708803415 11 0  
## 2119 1.745894194 11 0  
## 2120 1.706928253 11 0  
## 2121 2.141146660 12 1  
## 2122 2.064174175 12 1  
## 2123 1.407255888 12 0  
## 2124 1.486518145 12 0  
## 2125 1.512647390 12 0  
## 2126 1.616430000 12 0  
## 2127 1.730626702 12 1  
## 2128 1.913385000 12 1  
## 2129 -0.035206255 11 0  
## 2130 0.283524066 11 0  
## 2131 1.263471000 11 0  
## 2132 1.548086762 11 0  
## 2133 2.068997145 11 0  
## 2134 1.490736723 11 0  
## 2135 1.775164604 11 0  
## 2136 1.125572443 11 0  
## 2137 1.810905000 13 1  
## 2138 1.951389670 13 1  
## 2139 1.977311730 13 1  
## 2140 2.114796400 13 1  
## 2141 2.197041750 13 1  
## 2142 2.198225000 13 0  
## 2143 1.938266158 13 0  
## 2144 1.960460663 13 0  
## 2145 1.630321145 11 0  
## 2146 2.089011000 11 1  
## 2147 2.015234709 11 0  
## 2148 2.034294367 11 1  
## 2149 2.088011503 11 0  
## 2150 1.797214270 11 0  
## 2151 2.321258307 11 0  
## 2152 1.524606705 11 0  
## 2153 1.304898739 13 0  
## 2154 1.630491376 13 1  
## 2155 1.651837587 13 0  
## 2156 2.255269289 13 0  
## 2157 1.905690000 13 0  
## 2158 1.703077316 13 0  
## 2159 2.028097000 13 0  
## 2160 2.340356000 13 0  
## 2161 1.323826790 12 0  
## 2162 1.450832844 12 0  
## 2163 1.297351480 12 0  
## 2164 1.393658519 12 0  
## 2165 1.005258560 12 0  
## 2166 1.491696119 12 0  
## 2167 1.568891764 12 0  
## 2168 1.599149823 12 0  
## 2169 0.890584000 11 1  
## 2170 0.927062800 11 0  
## 2171 1.101957917 11 0  
## 2172 1.047879577 11 0  
## 2173 1.760508000 11 0  
## 2174 1.310137868 11 0  
## 2175 1.667332000 11 0  
## 2176 1.711747527 11 1  
## 2177 2.267019510 12 1  
## 2178 2.125205000 12 1  
## 2179 2.073495626 12 1  
## 2180 2.043863773 12 1  
## 2181 2.367185000 12 1  
## 2182 2.129067659 12 1  
## 2183 2.033576250 12 1  
## 2184 2.035432339 12 1  
## 2185 2.055204391 11 1  
## 2186 1.997861505 11 1  
## 2187 2.038810000 11 1  
## 2188 2.174104000 11 1  
## 2189 1.988279462 11 1  
## 2190 1.921911716 11 1  
## 2191 2.035287142 11 1  
## 2192 1.853912354 11 1  
## 2193 -0.696018000 13 0  
## 2194 1.718973756 13 0  
## 2195 1.805757000 13 0  
## 2196 1.236358285 13 0  
## 2197 1.838750482 13 0  
## 2198 1.615743518 13 0  
## 2199 1.582990766 13 0  
## 2200 1.948359251 13 1  
## 2201 1.759466529 12 0  
## 2202 1.423335671 12 0  
## 2203 1.446897507 12 0  
## 2204 1.547218000 12 0  
## 2205 1.543262362 12 0  
## 2206 1.514210343 12 0  
## 2207 1.518911839 12 0  
## 2208 2.559309000 12 1  
## 2209 0.636215000 10 0  
## 2210 0.862021100 10 0  
## 2211 1.064159751 10 0  
## 2212 1.350716591 10 0  
## 2213 1.492267000 10 0  
## 2214 1.534850000 10 0  
## 2215 1.732522488 10 0  
## 2216 1.877293587 10 0  
## 2217 1.595672000 12 0  
## 2218 1.793050647 12 0  
## 2219 1.815666556 12 0  
## 2220 2.116919756 12 0  
## 2221 2.389486790 12 0  
## 2222 2.489422000 12 0  
## 2223 2.506180763 12 0  
## 2224 2.600746000 12 0  
## 2225 0.941703400 12 0  
## 2226 1.243193507 12 1  
## 2227 1.380348444 12 1  
## 2228 1.140937448 12 1  
## 2229 1.474907000 12 1  
## 2230 1.478279710 12 1  
## 2231 1.596362472 12 1  
## 2232 1.706928253 12 1  
## 2233 2.089853525 12 1  
## 2234 2.179982662 12 0  
## 2235 2.349749000 12 1  
## 2236 2.171697140 12 1  
## 2237 2.281382799 12 1  
## 2238 2.207794428 12 1  
## 2239 2.256719828 12 0  
## 2240 2.217754000 12 1  
## 2241 1.790406585 12 1  
## 2242 1.871802211 12 1  
## 2243 1.328814745 12 1  
## 2244 1.657751441 12 1  
## 2245 1.774945855 12 1  
## 2246 1.851119637 12 1  
## 2247 1.900045000 12 1  
## 2248 1.952050686 12 0  
## 2249 1.961678267 12 1  
## 2250 1.654558301 12 1  
## 2251 1.764210224 12 1  
## 2252 1.700092316 12 1  
## 2253 1.781913400 12 1  
## 2254 1.752319000 12 1  
## 2255 1.865782857 12 1  
## 2256 1.767781258 12 1  
## 2257 0.732142150 12 0  
## 2258 0.976242100 12 0  
## 2259 0.745056000 12 0  
## 2260 1.059994340 12 0  
## 2261 1.578016877 12 1  
## 2262 1.730496764 12 0  
## 2263 1.723421335 12 0  
## 2264 1.934612632 12 1  
## 2265 0.988561400 11 0  
## 2266 1.501263738 11 0  
## 2267 1.801636696 11 1  
## 2268 1.097417000 11 0  
## 2269 1.028619885 11 0  
## 2270 1.336742640 11 0  
## 2271 1.711492777 11 0  
## 2272 1.118540764 11 0  
## 2273 1.139698148 14 0  
## 2274 0.750776300 14 0  
## 2275 0.980669300 14 0  
## 2276 1.072284000 14 0  
## 2277 0.704220200 14 0  
## 2278 0.686767600 14 0  
## 2279 1.546272516 14 0  
## 2280 1.524606705 14 0  
## 2281 1.286322355 12 0  
## 2282 1.648249626 12 1  
## 2283 2.296639204 12 0  
## 2284 2.285025835 12 0  
## 2285 2.520875692 12 0  
## 2286 2.513176203 12 0  
## 2287 2.593192000 12 0  
## 2288 2.577756643 12 0  
## 2289 1.326877594 12 0  
## 2290 1.063067317 12 0  
## 2291 0.997356200 12 0  
## 2292 1.196187139 12 0  
## 2293 1.261332870 12 0  
## 2294 1.273485303 12 0  
## 2295 1.340429000 12 0  
## 2296 1.342285156 12 0  
## 2297 1.695885777 14 1  
## 2298 1.817077279 14 1  
## 2299 1.929544806 14 1  
## 2300 1.967783213 14 1  
## 2301 2.259861708 14 1  
## 2302 2.430938000 14 1  
## 2303 2.410870552 14 1  
## 2304 2.454142570 14 1  
## 2305 1.373080254 14 0  
## 2306 1.502828121 14 0  
## 2307 1.255562425 14 0  
## 2308 1.362727642 14 0  
## 2309 1.675360680 14 0  
## 2310 1.820029000 14 0  
## 2311 1.900045000 14 0  
## 2312 1.895961285 14 0  
## 2313 1.575833000 12 0  
## 2314 1.570217252 12 0  
## 2315 1.522710000 12 0  
## 2316 1.543916000 12 0  
## 2317 1.680930734 12 0  
## 2318 1.765961766 12 1  
## 2319 1.745894194 12 1  
## 2320 1.760995507 12 1  
## 2321 1.466943383 12 1  
## 2322 1.434721000 12 1  
## 2323 1.392661691 12 0  
## 2324 1.481744885 12 1  
## 2325 1.091682434 12 1  
## 2326 1.447707891 12 0  
## 2327 1.240995169 12 0  
## 2328 1.410911202 12 0  
## 2329 1.168766499 11 1  
## 2330 1.225026250 11 1  
## 2331 1.027527094 11 1  
## 2332 1.378008723 11 1  
## 2333 1.710221000 11 1  
## 2334 1.562236309 11 1  
## 2335 1.576817870 11 1  
## 2336 1.537852000 11 1  
## 2337 1.199538231 12 0  
## 2338 0.899249300 12 0  
## 2339 1.012073636 12 0  
## 2340 1.193531000 12 0  
## 2341 1.295228124 12 0  
## 2342 1.439538836 12 0  
## 2343 0.582387800 12 0  
## 2344 1.326155782 12 0  
## 2345 1.652021766 12 1  
## 2346 1.596134000 12 1  
## 2347 1.516630888 12 0  
## 2348 1.625448704 12 1  
## 2349 1.492243886 12 0  
## 2350 1.432757258 12 0  
## 2351 1.465840459 12 0  
## 2352 1.861079000 12 1  
## 2353 0.888383800 9 0  
## 2354 1.069198370 9 0  
## 2355 1.380348444 9 0  
## 2356 1.255406499 9 0  
## 2357 1.394864321 9 0  
## 2358 1.273485303 9 0  
## 2359 1.102018118 9 0  
## 2360 1.060782000 9 0  
## 2361 1.886376262 13 0  
## 2362 2.048725605 13 0  
## 2363 2.348602000 13 0  
## 2364 2.400538683 13 0  
## 2365 2.493476629 13 0  
## 2366 2.515679359 13 0  
## 2367 2.567932367 13 0  
## 2368 2.545114517 13 0  
## 2369 1.948774815 12 0  
## 2370 2.201489000 12 0  
## 2371 2.366843462 12 0  
## 2372 2.309718370 12 0  
## 2373 2.119264000 12 0  
## 2374 2.501907587 12 0  
## 2375 2.321258307 12 0  
## 2376 2.454142570 12 0  
## 2377 0.510171800 11 0  
## 2378 1.096115351 11 0  
## 2379 1.243191123 11 0  
## 2380 1.307118654 11 0  
## 2381 1.492502809 11 0  
## 2382 1.692904830 11 0  
## 2383 2.027793169 11 0  
## 2384 2.344943285 11 0  
## 2385 0.874741000 12 0  
## 2386 1.699294209 12 0  
## 2387 2.042724000 12 0  
## 2388 1.970532537 12 0  
## 2389 2.288682222 12 0  
## 2390 1.989663482 12 0  
## 2391 1.954734325 12 0  
## 2392 1.859541655 12 0  
## 2393 2.154514000 12 0  
## 2394 1.900459000 12 0  
## 2395 2.017406225 12 0  
## 2396 1.184428334 12 0  
## 2397 1.390642524 12 0  
## 2398 2.296205521 12 0  
## 2399 2.321258307 12 0  
## 2400 2.350827456 12 0  
## 2401 2.055940000 12 1  
## 2402 2.129052000 12 0  
## 2403 2.278132439 12 1  
## 2404 2.053914000 12 1  
## 2405 1.866687775 12 1  
## 2406 2.334869146 12 1  
## 2407 2.531663000 12 1  
## 2408 2.466854334 12 1  
## 2409 1.823692560 11 0  
## 2410 1.817077279 11 0  
## 2411 1.580850482 11 0  
## 2412 1.737630248 11 0  
## 2413 2.073941000 11 0  
## 2414 1.784791827 11 0  
## 2415 1.799961448 11 0  
## 2416 2.176106215 11 0  
## 2417 1.374714613 14 0  
## 2418 1.609438000 14 1  
## 2419 1.547402501 14 1  
## 2420 1.591878653 14 1  
## 2421 1.800329447 14 0  
## 2422 1.820029000 14 0  
## 2423 1.799961448 14 1  
## 2424 2.362335205 14 0  
## 2425 1.541164517 12 0  
## 2426 1.805605000 12 0  
## 2427 1.975682259 12 0  
## 2428 1.791939000 12 0  
## 2429 1.855316639 12 0  
## 2430 1.275378108 12 0  
## 2431 1.557581000 12 0  
## 2432 1.134645820 12 0  
## 2433 2.691193000 12 0  
## 2434 0.446287100 12 0  
## 2435 1.547402501 12 0  
## 2436 1.727121000 12 1  
## 2437 1.073019743 12 0  
## 2438 1.770781000 12 0  
## 2439 2.030622000 12 0  
## 2440 1.907599000 12 0  
## 2441 1.137844682 14 0  
## 2442 1.089581728 14 0  
## 2443 2.030118227 14 0  
## 2444 1.044562000 14 1  
## 2445 1.129769921 14 0  
## 2446 1.195634365 14 0  
## 2447 1.574935000 14 0  
## 2448 1.907198429 14 0  
## 2449 0.411299400 10 0  
## 2450 1.683545828 10 0  
## 2451 1.279445000 10 0  
## 2452 1.598119855 10 0  
## 2453 1.232993364 10 1  
## 2454 1.472288132 10 0  
## 2455 1.219801000 10 0  
## 2456 1.669188000 10 0  
## 2457 1.630321145 14 0  
## 2458 1.593933702 14 0  
## 2459 1.656601787 14 0  
## 2460 1.786034703 14 0  
## 2461 1.603409000 14 0  
## 2462 1.678498000 14 0  
## 2463 1.851254702 14 0  
## 2464 1.529426000 14 0  
## 2465 1.665730238 12 0  
## 2466 2.900422000 12 0  
## 2467 1.764315486 12 0  
## 2468 1.339217782 12 0  
## 2469 1.533066000 12 0  
## 2470 1.797214270 12 0  
## 2471 1.689168572 12 0  
## 2472 3.312527418 12 1  
## 2473 1.447999597 12 0  
## 2474 1.817077279 12 0  
## 2475 1.755041838 12 0  
## 2476 1.453232169 12 0  
## 2477 1.492420554 12 0  
## 2478 1.053294778 12 0  
## 2479 1.502709866 12 0  
## 2480 1.483784676 12 1  
## 2481 1.516207814 12 0  
## 2482 0.820980500 12 0  
## 2483 1.256050706 12 0  
## 2484 1.109857678 12 0  
## 2485 1.394864321 12 0  
## 2486 1.420649171 12 0  
## 2487 1.977486849 12 0  
## 2488 1.963838696 12 0  
## 2489 0.244026765 12 0  
## 2490 1.000914693 12 0  
## 2491 0.982034400 12 0  
## 2492 1.060433745 12 0  
## 2493 1.024893522 12 0  
## 2494 1.099070907 12 0  
## 2495 1.281428000 12 0  
## 2496 1.121921000 12 0  
## 2497 1.117426634 12 0  
## 2498 0.753251100 12 0  
## 2499 1.300583124 12 0  
## 2500 1.453691840 12 0  
## 2501 1.504760000 12 0  
## 2502 1.485659838 12 0  
## 2503 1.601323843 12 0  
## 2504 1.506669000 12 0  
## 2505 1.528042316 12 0  
## 2506 1.632252574 12 0  
## 2507 1.635695100 12 0  
## 2508 1.725410104 12 0  
## 2509 1.509296000 12 0  
## 2510 1.490893245 12 0  
## 2511 1.563572645 12 0  
## 2512 1.524606705 12 0  
## 2513 1.599236369 14 0  
## 2514 1.323710918 14 0  
## 2515 1.517035000 14 0  
## 2516 1.463785768 14 0  
## 2517 1.557502270 14 0  
## 2518 1.583134294 14 0  
## 2519 1.572749257 14 0  
## 2520 1.607494354 14 0  
## 2521 0.651898600 11 0  
## 2522 0.913516800 11 0  
## 2523 0.653584659 11 0  
## 2524 1.195536256 11 0  
## 2525 1.626085877 11 0  
## 2526 1.819571257 11 0  
## 2527 1.936412573 11 1  
## 2528 2.008278000 11 1  
## 2529 1.119495511 11 0  
## 2530 1.260980844 11 0  
## 2531 1.193230748 11 0  
## 2532 1.203872800 11 0  
## 2533 1.399324298 11 0  
## 2534 1.290794000 11 0  
## 2535 1.280709863 11 0  
## 2536 1.301463127 11 0  
## 2537 1.562143000 12 0  
## 2538 1.468570709 12 0  
## 2539 1.297460794 12 0  
## 2540 1.296784639 12 0  
## 2541 1.450801492 12 0  
## 2542 1.522143126 12 0  
## 2543 1.614381000 12 0  
## 2544 1.830967188 12 0  
## 2545 1.339523000 12 0  
## 2546 1.486835599 12 0  
## 2547 1.520969272 12 0  
## 2548 1.407396555 12 0  
## 2549 1.324928000 12 0  
## 2550 1.387895584 12 0  
## 2551 1.623736501 12 0  
## 2552 1.390474558 12 0  
## 2553 1.093605161 8 0  
## 2554 1.412752390 8 0  
## 2555 1.235463500 8 0  
## 2556 1.299400449 8 0  
## 2557 1.033850908 8 0  
## 2558 1.323134303 8 0  
## 2559 1.550149679 8 0  
## 2560 1.563827395 8 0  
## 2561 1.264076710 10 0  
## 2562 1.339337349 10 0  
## 2563 1.725269675 10 0  
## 2564 1.597813487 10 0  
## 2565 1.698050618 10 0  
## 2566 1.765961766 10 0  
## 2567 2.004764557 10 0  
## 2568 2.036268711 10 0  
## 2569 1.648328424 12 0  
## 2570 1.535330000 12 0  
## 2571 1.530608892 12 0  
## 2572 1.830058575 12 0  
## 2573 2.057706000 12 0  
## 2574 2.235965490 12 0  
## 2575 2.393579000 12 0  
## 2576 2.176931858 12 0  
## 2577 1.288369417 10 0  
## 2578 1.512708306 10 0  
## 2579 1.265990000 10 0  
## 2580 1.350716591 10 0  
## 2581 1.474907000 10 0  
## 2582 1.482772112 10 0  
## 2583 1.563572645 10 0  
## 2584 1.628365874 10 0  
## 2585 1.412319000 9 0  
## 2586 1.984131336 9 0  
## 2587 1.669519663 9 0  
## 2588 1.138881087 9 0  
## 2589 1.474291444 9 0  
## 2590 1.477152824 9 0  
## 2591 2.688983202 9 0  
## 2592 1.368433714 9 1  
## 2593 1.998046000 14 0  
## 2594 1.609438000 14 0  
## 2595 1.691572309 14 0  
## 2596 1.875496626 14 0  
## 2597 1.778123379 14 0  
## 2598 1.872391224 14 0  
## 2599 1.782618000 14 0  
## 2600 1.822239000 14 0  
## 2601 1.178510785 11 0  
## 2602 1.427116394 11 1  
## 2603 1.426977515 11 0  
## 2604 1.656075358 11 1  
## 2605 1.879479647 11 0  
## 2606 1.632911325 11 0  
## 2607 1.784046000 11 0  
## 2608 1.581482291 11 1  
## 2609 1.845682859 12 0  
## 2610 1.785476685 12 0  
## 2611 2.006314000 12 0  
## 2612 1.949390000 12 0  
## 2613 2.017014000 12 0  
## 2614 1.957905531 12 0  
## 2615 1.983335853 12 0  
## 2616 2.030978000 12 0  
## 2617 1.429768085 14 0  
## 2618 1.294197917 14 0  
## 2619 1.585142851 14 0  
## 2620 1.341880083 14 1  
## 2621 1.256319284 14 1  
## 2622 1.180581808 14 0  
## 2623 1.165345192 14 0  
## 2624 1.276145339 14 1  
## 2625 1.676230788 14 0  
## 2626 1.500957251 14 0  
## 2627 1.690503359 14 0  
## 2628 1.669320583 14 0  
## 2629 1.682546377 14 0  
## 2630 1.910543000 14 0  
## 2631 1.884245000 14 0  
## 2632 2.189983606 14 0  
## 2633 1.712971449 12 0  
## 2634 1.810108662 12 0  
## 2635 1.467359781 12 1  
## 2636 1.740914226 12 1  
## 2637 1.713318000 12 1  
## 2638 2.133686543 12 1  
## 2639 2.074398279 12 1  
## 2640 2.112393379 12 1  
## 2641 1.829710603 13 0  
## 2642 1.934860349 13 0  
## 2643 1.863255501 13 0  
## 2644 1.560058594 13 0  
## 2645 1.928679466 13 0  
## 2646 1.981323242 13 0  
## 2647 2.058657408 13 0  
## 2648 2.148761000 13 0  
## 2649 1.204925656 11 1  
## 2650 1.018569589 11 0  
## 2651 1.314597000 11 0  
## 2652 1.470517874 11 0  
## 2653 1.445478201 11 0  
## 2654 1.708803415 11 0  
## 2655 2.381883000 11 0  
## 2656 1.589145184 11 1  
## 2657 1.048965335 11 1  
## 2658 1.278187633 11 1  
## 2659 1.663936377 11 0  
## 2660 1.637117505 11 1  
## 2661 1.844827175 11 1  
## 2662 1.920112491 11 0  
## 2663 2.321258307 11 0  
## 2664 2.074653000 11 0  
## 2665 1.302817583 10 1  
## 2666 1.386294365 10 0  
## 2667 1.134215355 10 0  
## 2668 1.843193173 10 0  
## 2669 1.954480000 10 0  
## 2670 1.920112491 10 0  
## 2671 1.923575401 10 1  
## 2672 1.907599000 10 0  
## 2673 -0.887685500 9 0  
## 2674 1.232143641 9 0  
## 2675 1.349576831 9 0  
## 2676 1.624675632 9 0  
## 2677 1.629715800 9 0  
## 2678 2.345382690 9 0  
## 2679 0.991941500 9 0  
## 2680 1.568544388 9 0  
## 2681 1.268728375 12 0  
## 2682 1.588235736 12 0  
## 2683 1.363681436 12 0  
## 2684 1.457233548 12 0  
## 2685 1.379596829 12 0  
## 2686 1.080995560 12 0  
## 2687 1.379649878 12 0  
## 2688 1.455613852 12 0  
## 2689 1.129545808 11 0  
## 2690 0.964081400 11 0  
## 2691 1.258171201 11 1  
## 2692 1.150046000 11 0  
## 2693 1.474907000 11 0  
## 2694 1.514647365 11 0  
## 2695 1.280709863 11 0  
## 2696 1.213422000 11 0  
## 2697 -1.113822000 13 0  
## 2698 1.501592755 13 0  
## 2699 1.175839000 13 0  
## 2700 1.491691000 13 0  
## 2701 1.864868000 13 0  
## 2702 1.764589000 13 0  
## 2703 1.813514352 13 0  
## 2704 1.952050686 13 0  
## 2705 0.434651941 12 0  
## 2706 1.770324230 12 0  
## 2707 1.813105702 12 0  
## 2708 1.843193173 12 0  
## 2709 1.854396582 12 0  
## 2710 1.820029000 12 0  
## 2711 1.638656139 12 0  
## 2712 1.881587000 12 0  
## 2713 1.222404000 15 0  
## 2714 2.322003000 15 0  
## 2715 1.870033622 15 0  
## 2716 1.124415636 15 0  
## 2717 1.363985000 15 0  
## 2718 1.811603000 15 0  
## 2719 1.843591809 15 0  
## 2720 1.781983376 15 0  
## 2721 1.856792450 12 0  
## 2722 1.824611306 12 0  
## 2723 1.887069702 12 0  
## 2724 1.928351000 12 0  
## 2725 2.088011503 12 0  
## 2726 2.053644000 12 0  
## 2727 2.113619000 12 0  
## 2728 2.148761000 12 0  
## 2729 0.676384000 10 0  
## 2730 0.540780900 10 0  
## 2731 0.195009700 10 0  
## 2732 0.382631361 10 0  
## 2733 1.104257345 10 0  
## 2734 1.066374183 10 0  
## 2735 1.202443361 10 0  
## 2736 1.046190500 10 0  
## 2737 0.774270500 10 0  
## 2738 0.289350122 10 0  
## 2739 0.906489000 10 0  
## 2740 0.339115739 10 1  
## 2741 1.212542772 10 1  
## 2742 1.502414823 10 1  
## 2743 1.277093172 10 0  
## 2744 -0.191008717 10 1  
## 2745 1.091324568 12 0  
## 2746 0.920204600 12 0  
## 2747 1.061894655 12 0  
## 2748 1.214584470 12 0  
## 2749 1.357124000 12 0  
## 2750 0.420655131 12 0  
## 2751 1.268395901 12 0  
## 2752 1.380505323 12 0  
## 2753 1.761349440 13 1  
## 2754 1.912387490 13 0  
## 2755 1.459234357 13 0  
## 2756 1.318136692 13 0  
## 2757 1.306778908 13 0  
## 2758 1.684736371 13 1  
## 2759 1.757560849 13 0  
## 2760 1.534378886 13 0  
## 2761 1.190870404 12 0  
## 2762 1.748939514 12 0  
## 2763 1.894471288 12 0  
## 2764 1.725410104 12 0  
## 2765 1.644806000 12 0  
## 2766 1.751641750 12 0  
## 2767 1.773293138 12 0  
## 2768 1.994610310 12 0  
## 2769 1.328731179 9 0  
## 2770 1.595333338 9 0  
## 2771 1.762513876 9 0  
## 2772 1.852140000 9 0  
## 2773 1.920578599 9 0  
## 2774 1.966632485 9 0  
## 2775 1.991016626 9 0  
## 2776 1.973556876 9 0  
## 2777 1.258757591 11 0  
## 2778 1.418043000 11 1  
## 2779 1.179677725 11 1  
## 2780 1.720813632 11 1  
## 2781 1.450214386 11 1  
## 2782 1.440539360 11 1  
## 2783 1.420471787 11 1  
## 2784 1.706928253 11 1  
## 2785 1.630321145 11 1  
## 2786 1.641973734 11 1  
## 2787 1.649681330 11 1  
## 2788 1.712831259 11 1  
## 2789 1.954480000 11 0  
## 2790 1.966632485 11 1  
## 2791 2.169708490 11 0  
## 2792 2.074653000 11 1  
## 2793 1.228709579 5 0  
## 2794 1.542746544 5 0  
## 2795 0.820061000 5 0  
## 2796 0.652773261 5 0  
## 2797 0.915291200 5 0  
## 2798 1.278431773 5 0  
## 2799 1.259203672 5 0  
## 2800 1.586434000 5 0  
## 2801 2.190949678 15 1  
## 2802 2.020018000 15 0  
## 2803 1.864072000 15 0  
## 2804 1.897260308 15 0  
## 2805 2.001000166 15 0  
## 2806 2.094465733 15 0  
## 2807 2.151359320 15 0  
## 2808 2.148761000 15 0  
## 2809 1.471381664 15 0  
## 2810 1.403838634 15 0  
## 2811 1.402902126 15 0  
## 2812 1.893410802 15 0  
## 2813 1.999635577 15 0  
## 2814 2.086433649 15 0  
## 2815 2.151359320 15 0  
## 2816 2.112393379 15 0  
## 2817 1.791285872 15 0  
## 2818 2.005009000 15 0  
## 2819 2.083546000 15 0  
## 2820 2.188842000 15 0  
## 2821 2.226161718 15 0  
## 2822 2.293535233 15 0  
## 2823 2.281570673 15 0  
## 2824 2.494853735 15 0  
## 2825 1.401871000 12 1  
## 2826 1.241713166 12 1  
## 2827 1.218898416 12 1  
## 2828 1.437728000 12 1  
## 2829 1.271966219 12 1  
## 2830 0.821500200 12 1  
## 2831 1.292638421 12 1  
## 2832 1.253672481 12 1  
## 2833 2.361800432 12 1  
## 2834 1.969398141 12 0  
## 2835 2.117947340 12 1  
## 2836 2.088315487 12 1  
## 2837 2.522297000 12 1  
## 2838 1.662939191 12 0  
## 2839 1.918696000 12 0  
## 2840 1.503202796 12 1  
## 2841 1.342639089 12 1  
## 2842 1.347073674 12 0  
## 2843 1.467359781 12 0  
## 2844 1.437728000 12 1  
## 2845 1.474907000 12 1  
## 2846 1.440539360 12 1  
## 2847 1.563572645 12 1  
## 2848 1.649769783 12 1  
## 2849 1.041834235 12 1  
## 2850 1.683545828 12 1  
## 2851 1.467359781 12 1  
## 2852 1.517770767 12 1  
## 2853 1.549015000 12 1  
## 2854 1.820029000 12 1  
## 2855 1.851254702 12 1  
## 2856 1.861079000 12 1  
## 2857 0.924751400 10 0  
## 2858 0.989044700 10 1  
## 2859 0.774212700 10 0  
## 2860 1.049504757 10 0  
## 2861 1.529966831 10 0  
## 2862 1.708803415 10 0  
## 2863 1.727956533 10 0  
## 2864 1.701063156 10 0  
## 2865 1.311359000 10 1  
## 2866 1.276543498 10 0  
## 2867 1.862113237 10 0  
## 2868 1.757596731 10 0  
## 2869 1.720071554 10 0  
## 2870 1.765961766 10 0  
## 2871 1.927516699 10 0  
## 2872 1.952050686 10 0  
## 2873 1.860551000 13 0  
## 2874 2.048896790 13 0  
## 2875 1.992835000 13 0  
## 2876 1.874445677 13 0  
## 2877 1.203502536 13 0  
## 2878 1.619740844 13 0  
## 2879 2.074398279 13 0  
## 2880 1.772866368 13 0  
## 2881 1.192349315 11 1  
## 2882 2.241362333 11 0  
## 2883 2.311621189 11 0  
## 2884 1.816002131 11 1  
## 2885 1.533093214 11 0  
## 2886 1.846897721 11 0  
## 2887 1.977043509 11 0  
## 2888 1.765871644 11 0  
## 2889 1.379506588 8 1  
## 2890 1.779337000 8 0  
## 2891 1.223149000 8 0  
## 2892 1.255406499 8 0  
## 2893 1.544433117 8 0  
## 2894 1.301094890 8 0  
## 2895 1.563572645 8 0  
## 2896 1.800216198 8 1  
## 2897 2.465829849 15 0  
## 2898 2.541477000 15 0  
## 2899 3.085833549 15 0  
## 2900 3.229487419 15 0  
## 2901 2.620471478 15 0  
## 2902 2.691429000 15 0  
## 2903 2.606379509 15 0  
## 2904 2.235651731 15 0  
## 2905 1.711406000 12 1  
## 2906 1.937419415 12 1  
## 2907 2.026975632 12 1  
## 2908 2.248658180 12 1  
## 2909 2.069253683 12 1  
## 2910 2.279271841 12 1  
## 2911 2.151359320 12 1  
## 2912 2.165307283 12 1  
## 2913 1.349392533 12 0  
## 2914 1.683545828 12 0  
## 2915 1.690503359 12 0  
## 2916 1.762224000 12 0  
## 2917 1.772158504 12 0  
## 2918 1.952072501 12 0  
## 2919 1.946565000 12 0  
## 2920 1.706928253 12 0  
## 2921 1.918003201 12 0  
## 2922 1.609438000 12 1  
## 2923 1.621510506 12 1  
## 2924 1.660871625 12 1  
## 2925 1.682546377 12 0  
## 2926 1.708803415 12 1  
## 2927 1.745894194 12 1  
## 2928 1.760995507 12 1  
## 2929 0.556787133 11 0  
## 2930 1.028315902 11 0  
## 2931 1.008406000 11 0  
## 2932 0.946320500 11 1  
## 2933 1.195068121 11 1  
## 2934 1.110786080 11 1  
## 2935 1.224699497 11 0  
## 2936 1.066363335 11 0  
## 2937 1.342639089 6 1  
## 2938 1.389872193 6 0  
## 2939 1.480263233 6 0  
## 2940 1.370134711 6 0  
## 2941 1.118544579 6 0  
## 2942 1.400487000 6 0  
## 2943 1.111385822 6 0  
## 2944 1.907599000 6 0  
## 2945 1.328155637 12 1  
## 2946 1.347073674 12 1  
## 2947 1.380348444 12 1  
## 2948 1.350716591 12 1  
## 2949 1.435686350 12 1  
## 2950 1.583640218 12 1  
## 2951 1.253417730 12 1  
## 2952 1.589145184 12 1  
## 2953 1.376056000 12 0  
## 2954 1.390223622 12 0  
## 2955 1.439328313 12 0  
## 2956 1.604782104 12 0  
## 2957 1.490174532 12 0  
## 2958 1.440539360 12 0  
## 2959 1.222646117 12 0  
## 2960 1.296299000 12 0  
## 2961 1.351479769 15 0  
## 2962 1.417183161 15 1  
## 2963 1.599518538 15 0  
## 2964 1.683883000 15 0  
## 2965 1.681777477 15 0  
## 2966 1.680153000 15 1  
## 2967 1.967356443 15 1  
## 2968 1.934488535 15 1  
## 2969 1.150748000 12 1  
## 2970 1.442322135 12 1  
## 2971 0.890752900 12 1  
## 2972 1.150268197 12 0  
## 2973 1.220672846 12 0  
## 2974 0.887538900 12 0  
## 2975 1.409814477 12 1  
## 2976 1.589145184 12 1  
## 2977 1.289394498 11 0  
## 2978 1.408414483 11 0  
## 2979 1.666749239 11 1  
## 2980 2.172938585 11 1  
## 2981 1.892080188 11 1  
## 2982 2.460847378 11 1  
## 2983 2.401301146 11 1  
## 2984 2.404368401 11 1  
## 2985 1.939205408 8 0  
## 2986 1.307421088 8 1  
## 2987 1.420402884 8 0  
## 2988 0.556097000 8 0  
## 2989 1.404191494 8 0  
## 2990 1.743489000 8 0  
## 2991 1.478365779 8 0  
## 2992 1.462543368 8 0  
## 2993 1.381279230 15 0  
## 2994 1.660277605 15 0  
## 2995 1.828350544 15 0  
## 2996 1.980111480 15 0  
## 2997 2.153966665 15 0  
## 2998 2.090975523 15 0  
## 2999 2.125407000 15 0  
## 3000 2.169963000 15 0  
## 3001 1.315561414 10 1  
## 3002 1.372543216 10 0  
## 3003 1.482263207 10 0  
## 3004 1.591878653 10 0  
## 3005 1.682546377 10 0  
## 3006 1.414323568 10 1  
## 3007 1.937986374 10 0  
## 3008 2.035432339 10 1  
## 3009 1.339410782 12 0  
## 3010 1.934860349 12 1  
## 3011 1.210930228 12 1  
## 3012 0.934898100 12 1  
## 3013 1.650820613 12 1  
## 3014 1.799449000 12 1  
## 3015 1.900045000 12 1  
## 3016 1.952050686 12 1  
## 3017 1.407177567 11 1  
## 3018 1.609438000 11 1  
## 3019 1.634920239 11 1  
## 3020 1.725410104 11 1  
## 3021 1.880372167 11 0  
## 3022 1.935892000 11 1  
## 3023 2.151359320 11 1  
## 3024 1.907599000 11 1  
## 3025 1.178336000 12 0  
## 3026 1.131652117 12 0  
## 3027 1.172242761 12 1  
## 3028 1.235203743 12 0  
## 3029 1.440804362 12 1  
## 3030 1.419756889 12 1  
## 3031 1.698937178 12 1  
## 3032 1.178565000 12 1  
## 3033 1.758373000 14 0  
## 3034 1.735064149 14 0  
## 3035 1.827362537 14 0  
## 3036 1.820720315 14 0  
## 3037 2.021791697 14 0  
## 3038 1.976682782 14 0  
## 3039 1.956615210 14 0  
## 3040 2.066069365 14 0  
## 3041 1.416451216 12 0  
## 3042 1.229290605 12 0  
## 3043 1.440792799 12 0  
## 3044 2.405623436 12 0  
## 3045 2.028292179 12 0  
## 3046 1.114162564 12 0  
## 3047 1.495195389 12 0  
## 3048 1.515037179 12 0  
## 3049 1.794139266 11 0  
## 3050 2.937463284 11 0  
## 3051 3.472707000 11 0  
## 3052 2.970510244 11 0  
## 3053 3.777492000 11 0  
## 3054 4.051860000 11 0  
## 3055 3.292909000 11 0  
## 3056 3.096304000 11 0  
## 3057 0.904074000 13 0  
## 3058 1.187443495 13 0  
## 3059 0.853707300 13 1  
## 3060 1.695104718 13 0  
## 3061 1.140349865 13 1  
## 3062 1.035074234 13 0  
## 3063 1.494579792 13 0  
## 3064 1.432799101 13 0  
## 3065 1.745914817 12 1  
## 3066 1.509673357 12 0  
## 3067 1.572720289 12 0  
## 3068 1.230088711 12 0  
## 3069 1.939223409 12 0  
## 3070 2.002110243 12 0  
## 3071 2.033576250 12 0  
## 3072 2.104253531 12 0  
## 3073 2.205955267 15 0  
## 3074 2.077270000 15 0  
## 3075 2.343089342 15 0  
## 3076 2.267007351 15 0  
## 3077 2.335847616 15 0  
## 3078 2.359915733 15 0  
## 3079 2.544402000 15 0  
## 3080 2.274248000 15 0  
## 3081 1.476082563 12 0  
## 3082 2.200802326 12 1  
## 3083 0.958227900 12 0  
## 3084 1.965573668 12 0  
## 3085 1.636951685 12 0  
## 3086 1.649908900 12 0  
## 3087 1.943311453 12 0  
## 3088 2.017083168 12 0  
## 3089 2.222182000 12 0  
## 3090 2.244316000 12 1  
## 3091 2.160507000 12 1  
## 3092 2.210918000 12 1  
## 3093 2.343944788 12 1  
## 3094 2.416549444 12 1  
## 3095 2.410870552 12 1  
## 3096 2.357515812 12 1  
## 3097 1.841251731 12 1  
## 3098 1.752538800 12 1  
## 3099 1.815666556 12 1  
## 3100 1.843193173 12 1  
## 3101 1.800329447 12 1  
## 3102 1.765961766 12 0  
## 3103 1.851254702 12 1  
## 3104 1.733726382 12 1  
## 3105 1.396486000 15 0  
## 3106 1.583339214 15 0  
## 3107 1.916310000 15 0  
## 3108 1.899481773 15 0  
## 3109 2.157085180 15 0  
## 3110 2.207794428 15 0  
## 3111 2.300701857 15 0  
## 3112 2.682278000 15 0  
## 3113 2.035786152 12 0  
## 3114 1.906689405 12 0  
## 3115 2.215857000 12 0  
## 3116 0.385256900 12 0  
## 3117 1.448721000 12 0  
## 3118 1.772392631 12 0  
## 3119 1.364382386 12 0  
## 3120 1.604649425 12 0  
## 3121 1.579027772 12 0  
## 3122 1.624705434 12 0  
## 3123 1.729724000 12 0  
## 3124 1.765843630 12 0  
## 3125 1.290984154 12 0  
## 3126 -0.889556300 12 0  
## 3127 1.870672822 12 0  
## 3128 2.089920521 12 0  
## 3129 1.735681653 14 0  
## 3130 1.574070811 14 0  
## 3131 1.441595674 14 0  
## 3132 2.547255754 14 0  
## 3133 2.991472721 14 0  
## 3134 3.011443615 14 0  
## 3135 3.099274635 14 0  
## 3136 3.096661568 14 0  
## 3137 1.694859624 6 1  
## 3138 1.732547641 6 0  
## 3139 1.469596624 6 0  
## 3140 1.591878653 6 0  
## 3141 1.743171000 6 0  
## 3142 1.581781000 6 0  
## 3143 1.120367169 6 0  
## 3144 1.621685624 6 0  
## 3145 1.587961793 8 1  
## 3146 1.548813343 8 0  
## 3147 1.550532460 8 0  
## 3148 1.394949913 8 0  
## 3149 1.474907000 8 0  
## 3150 1.379914761 8 0  
## 3151 1.436220169 8 0  
## 3152 1.658000708 8 0  
## 3153 1.106671572 3 0  
## 3154 1.241713166 3 0  
## 3155 1.419569135 3 0  
## 3156 1.591878653 3 0  
## 3157 1.584907889 3 0  
## 3158 1.514647365 3 0  
## 3159 1.407226563 3 0  
## 3160 1.707802773 3 0  
## 3161 1.238758922 11 0  
## 3162 1.386294365 11 0  
## 3163 1.458991528 11 0  
## 3164 1.350716591 11 0  
## 3165 1.357124000 11 0  
## 3166 1.453962445 11 0  
## 3167 1.406287193 11 0  
## 3168 1.352756381 11 0  
## 3169 1.914512753 11 1  
## 3170 1.843052745 11 1  
## 3171 1.715125322 11 1  
## 3172 1.398005486 11 1  
## 3173 1.682546377 11 1  
## 3174 1.871322274 11 1  
## 3175 1.952794194 11 0  
## 3176 2.370432377 11 1  
## 3177 1.447999597 8 0  
## 3178 1.347073674 8 0  
## 3179 1.589627743 8 0  
## 3180 1.644960165 8 0  
## 3181 1.474907000 8 0  
## 3182 1.491525000 8 0  
## 3183 1.563572645 8 0  
## 3184 1.410776258 8 0  
## 3185 2.238261461 14 0  
## 3186 2.284885406 14 0  
## 3187 2.062142134 14 0  
## 3188 2.269025564 14 0  
## 3189 0.783714900 14 0  
## 3190 3.239679000 14 0  
## 3191 2.397604227 14 0  
## 3192 3.221940517 14 0  
## 3193 0.424667031 8 1  
## 3194 1.442383885 8 0  
## 3195 1.433595657 8 0  
## 3196 1.396141887 8 0  
## 3197 1.421181679 8 1  
## 3198 1.384125233 8 1  
## 3199 1.309657454 8 1  
## 3200 0.971664400 8 0  
## 3201 1.950793000 12 0  
## 3202 1.915413141 12 0  
## 3203 1.938934565 12 0  
## 3204 2.154828548 12 0  
## 3205 1.179442763 12 0  
## 3206 1.397220492 12 0  
## 3207 1.812192559 12 1  
## 3208 2.072512388 12 1  
## 3209 1.824751854 10 0  
## 3210 1.971228000 10 1  
## 3211 2.333062172 10 1  
## 3212 2.248658180 10 1  
## 3213 2.135120392 10 1  
## 3214 2.368724823 10 1  
## 3215 2.348657370 10 1  
## 3216 2.344270000 10 0  
## 3217 1.442858219 12 0  
## 3218 1.420811892 12 0  
## 3219 1.690503359 12 0  
## 3220 1.647448540 12 1  
## 3221 1.954480000 12 1  
## 3222 1.871322274 12 0  
## 3223 2.005988359 12 1  
## 3224 1.673796177 12 1  
## 3225 1.779356718 12 0  
## 3226 1.699294209 12 0  
## 3227 1.637258887 12 0  
## 3228 1.668251634 12 0  
## 3229 1.682546377 12 0  
## 3230 1.596885443 12 0  
## 3231 1.682178378 12 0  
## 3232 1.834267616 12 1  
## 3233 1.415166378 11 0  
## 3234 1.557002000 11 0  
## 3235 2.057612658 11 0  
## 3236 1.351785541 11 0  
## 3237 1.387895584 11 1  
## 3238 1.425922275 11 0  
## 3239 1.520666838 11 0  
## 3240 1.524606705 11 0  
## 3241 1.964307785 12 0  
## 3242 2.030170441 12 1  
## 3243 2.073495626 12 1  
## 3244 2.043863773 12 0  
## 3245 2.088011503 12 1  
## 3246 2.133686543 12 1  
## 3247 2.113619000 12 0  
## 3248 1.952050686 12 1  
## 3249 1.027866364 10 0  
## 3250 0.984168200 10 1  
## 3251 1.456472516 10 0  
## 3252 1.333714604 10 0  
## 3253 1.417555690 10 0  
## 3254 1.557207000 10 0  
## 3255 1.643181443 10 0  
## 3256 1.950716138 10 0  
## 3257 1.391246796 8 0  
## 3258 1.494304000 8 0  
## 3259 1.440744400 8 0  
## 3260 1.400253000 8 0  
## 3261 1.474588633 8 0  
## 3262 1.406290650 8 0  
## 3263 1.463255525 8 0  
## 3264 1.567807317 8 0  
## 3265 1.293391109 8 1  
## 3266 1.609438000 8 0  
## 3267 1.467359781 8 0  
## 3268 1.547777534 8 0  
## 3269 1.611318827 8 0  
## 3270 1.576951265 8 0  
## 3271 1.706229000 8 0  
## 3272 1.706928253 8 0  
## 3273 1.172409534 10 0  
## 3274 0.426944137 10 1  
## 3275 1.510015000 10 0  
## 3276 -0.069549380 10 1  
## 3277 1.827728391 10 1  
## 3278 1.793360710 10 1  
## 3279 1.991016626 10 1  
## 3280 1.952050686 10 1  
## 3281 1.351815701 12 0  
## 3282 1.196250796 12 0  
## 3283 0.641162100 12 0  
## 3284 1.116144419 12 0  
## 3285 0.989399200 12 0  
## 3286 1.137353000 12 0  
## 3287 1.052747000 12 0  
## 3288 1.214451790 12 0  
## 3289 0.962491800 10 0  
## 3290 1.034129620 10 1  
## 3291 0.854255300 10 1  
## 3292 1.091686368 10 1  
## 3293 0.855867800 10 0  
## 3294 0.821500200 10 0  
## 3295 0.934964000 10 1  
## 3296 1.013781071 10 0  
## 3297 1.856127739 12 1  
## 3298 2.180611849 12 1  
## 3299 2.426652000 12 1  
## 3300 2.372793674 12 1  
## 3301 2.703572512 12 1  
## 3302 2.921900000 12 1  
## 3303 2.164912224 12 0  
## 3304 1.886791229 12 0  
## 3305 0.554400265 15 0  
## 3306 1.115961909 15 1  
## 3307 1.315370000 15 0  
## 3308 1.259903789 15 0  
## 3309 1.296499372 15 0  
## 3310 -1.155181646 15 0  
## 3311 1.288347602 15 0  
## 3312 1.366001606 15 0  
## 3313 1.198258877 11 0  
## 3314 1.529395223 11 0  
## 3315 1.526783228 11 1  
## 3316 1.497151494 11 1  
## 3317 1.514127731 11 1  
## 3318 1.728221416 11 1  
## 3319 -0.699791700 11 1  
## 3320 1.580634475 11 1  
## 3321 1.194742084 8 0  
## 3322 1.183353543 8 0  
## 3323 1.137697697 8 0  
## 3324 1.367037296 8 0  
## 3325 1.344394000 8 0  
## 3326 1.532264000 8 0  
## 3327 1.192793131 8 0  
## 3328 1.067848325 8 0  
## 3329 1.638043165 11 0  
## 3330 1.783047557 11 0  
## 3331 1.638513207 11 0  
## 3332 1.770872474 11 0  
## 3333 1.973131180 11 0  
## 3334 2.022145271 11 0  
## 3335 1.923750281 11 0  
## 3336 2.035432339 11 0  
## 3337 0.809186800 11 0  
## 3338 1.263692000 11 0  
## 3339 1.354564309 11 0  
## 3340 1.470517874 11 0  
## 3341 1.363681436 11 0  
## 3342 1.819571257 11 0  
## 3343 1.537005663 11 0  
## 3344 1.524606705 11 0  
## 3345 1.227709000 12 0  
## 3346 1.167828441 12 0  
## 3347 0.708450500 12 0  
## 3348 0.961501100 12 0  
## 3349 0.674097300 12 0  
## 3350 0.984301900 12 0  
## 3351 0.727324600 12 0  
## 3352 0.749015900 12 0  
## 3353 -0.764880900 12 0  
## 3354 1.649516106 12 0  
## 3355 1.872825000 12 0  
## 3356 1.613375000 12 0  
## 3357 1.627983000 12 0  
## 3358 1.648178697 12 0  
## 3359 1.796819568 12 0  
## 3360 1.676230192 12 0  
## 3361 0.992074100 11 1  
## 3362 0.898236100 11 0  
## 3363 0.969990800 11 0  
## 3364 0.804004252 11 0  
## 3365 1.305523396 11 0  
## 3366 1.476625204 11 1  
## 3367 -0.981204200 11 0  
## 3368 0.791118400 11 0  
## 3369 1.521121860 10 1  
## 3370 1.134980000 10 1  
## 3371 1.755041838 10 1  
## 3372 1.786034703 10 1  
## 3373 1.854396582 10 1  
## 3374 1.920112491 10 1  
## 3375 1.946565000 10 1  
## 3376 1.952050686 10 1  
## 3377 1.224856000 12 0  
## 3378 1.356735587 12 0  
## 3379 1.537357000 12 0  
## 3380 1.749195000 12 0  
## 3381 1.667677760 12 1  
## 3382 1.495127559 12 0  
## 3383 1.235549450 12 0  
## 3384 0.823379300 12 0  
## 3385 1.700794339 12 0  
## 3386 1.550249100 12 0  
## 3387 1.679744124 12 0  
## 3388 1.786034703 12 0  
## 3389 1.682546377 12 0  
## 3390 1.622861000 12 0  
## 3391 1.855790000 12 0  
## 3392 1.688990593 12 0  
## 3393 1.615636587 12 0  
## 3394 1.980007648 12 0  
## 3395 1.844273000 12 0  
## 3396 1.622107744 12 0  
## 3397 1.801291466 12 0  
## 3398 1.586156487 12 0  
## 3399 1.547530651 12 0  
## 3400 1.546585560 12 0  
## 3401 1.659195542 8 0  
## 3402 1.325931191 8 0  
## 3403 1.571900000 8 0  
## 3404 1.437728000 8 0  
## 3405 1.515763000 8 0  
## 3406 1.432817340 8 0  
## 3407 1.529671000 8 0  
## 3408 1.747110000 8 0  
## 3409 1.425526738 12 0  
## 3410 1.198307000 12 0  
## 3411 1.520725000 12 0  
## 3412 1.994583249 12 0  
## 3413 1.709979177 12 0  
## 3414 1.829947000 12 0  
## 3415 2.457208633 12 0  
## 3416 1.569501400 12 0  
## 3417 1.007498384 13 1  
## 3418 2.065973282 13 1  
## 3419 2.197990179 13 1  
## 3420 2.297929287 13 1  
## 3421 2.171184000 13 1  
## 3422 2.240732000 13 1  
## 3423 2.227550268 13 1  
## 3424 2.220964193 13 1  
## 3425 1.531362176 12 0  
## 3426 1.677315354 12 0  
## 3427 1.240877390 12 0  
## 3428 1.482765555 12 0  
## 3429 1.210621476 12 0  
## 3430 1.633858681 12 0  
## 3431 1.756944000 12 0  
## 3432 1.861079000 12 0  
## 3433 1.244274139 11 0  
## 3434 0.835287000 11 0  
## 3435 1.179677725 11 0  
## 3436 1.243674874 11 0  
## 3437 1.675360680 11 0  
## 3438 1.633753419 11 0  
## 3439 1.593885779 11 0  
## 3440 1.537852000 11 0  
## 3441 1.297176719 12 1  
## 3442 1.326870918 12 1  
## 3443 1.281030178 12 1  
## 3444 1.342592835 12 1  
## 3445 1.334760427 12 1  
## 3446 1.489141345 12 1  
## 3447 1.760324717 12 1  
## 3448 1.627703190 12 1  
## 3449 1.230645299 13 1  
## 3450 1.326870918 13 1  
## 3451 1.285124779 13 0  
## 3452 1.169464000 13 0  
## 3453 1.226642847 13 0  
## 3454 1.273485303 13 0  
## 3455 1.262467623 13 1  
## 3456 1.119141579 13 0  
## 3457 1.266279697 13 0  
## 3458 1.397785902 13 0  
## 3459 1.504920721 13 0  
## 3460 1.517770767 13 0  
## 3461 1.509886742 13 0  
## 3462 1.888038000 13 0  
## 3463 1.763633000 13 0  
## 3464 1.892331481 13 0  
## 3465 2.058924437 12 0  
## 3466 2.292497000 12 0  
## 3467 2.298985481 12 1  
## 3468 2.402047157 12 1  
## 3469 2.390964508 12 1  
## 3470 2.406504000 12 1  
## 3471 2.519084215 12 1  
## 3472 2.524854000 12 1  
## 3473 1.429428220 12 0  
## 3474 1.442383885 12 0  
## 3475 1.579273820 12 0  
## 3476 1.490573168 12 0  
## 3477 1.788857000 12 0  
## 3478 1.602265716 12 0  
## 3479 1.498032451 12 0  
## 3480 2.118713000 12 0  
## 3481 0.981671700 11 0  
## 3482 -0.220918849 11 0  
## 3483 1.185463667 11 0  
## 3484 1.396913000 11 0  
## 3485 1.307853000 11 0  
## 3486 1.652713895 11 0  
## 3487 1.158107519 11 0  
## 3488 0.459517100 11 0  
## 3489 1.241182923 12 1  
## 3490 1.271414000 12 1  
## 3491 1.423654437 12 0  
## 3492 1.160250545 12 0  
## 3493 1.228116751 12 0  
## 3494 1.383844000 12 0  
## 3495 1.149982095 12 1  
## 3496 1.156881928 12 1  
## 3497 1.047522000 12 0  
## 3498 1.123930097 12 1  
## 3499 1.061894655 12 1  
## 3500 0.926902400 12 0  
## 3501 1.050023794 12 1  
## 3502 1.072814584 12 0  
## 3503 1.117285609 12 1  
## 3504 1.119141579 12 0  
## 3505 1.556034000 11 0  
## 3506 2.000533000 11 0  
## 3507 1.585918903 11 0  
## 3508 1.740366220 11 0  
## 3509 1.866267562 11 0  
## 3510 2.133686543 11 0  
## 3511 2.154777000 11 0  
## 3512 1.939657807 11 0  
## 3513 1.451502204 11 0  
## 3514 2.276037216 11 1  
## 3515 2.011175632 11 0  
## 3516 2.227178335 11 1  
## 3517 2.205794573 11 0  
## 3518 2.207794428 11 0  
## 3519 2.187727000 11 0  
## 3520 2.074653000 11 1  
## 3521 1.812642694 14 1  
## 3522 1.967650175 14 1  
## 3523 2.068939686 14 1  
## 3524 2.210918000 14 1  
## 3525 2.343944788 14 1  
## 3526 2.309577227 14 1  
## 3527 2.381883000 14 1  
## 3528 2.282292366 14 1  
## 3529 1.829710603 12 0  
## 3530 1.483992000 12 0  
## 3531 1.460391164 12 0  
## 3532 1.412410259 12 1  
## 3533 1.074813485 12 0  
## 3534 1.720146000 12 0  
## 3535 2.174655000 12 0  
## 3536 1.812288761 12 0  
## 3537 1.399805546 9 0  
## 3538 1.391406536 9 0  
## 3539 1.380151272 9 0  
## 3540 1.733837128 9 1  
## 3541 1.556777000 9 0  
## 3542 1.764922857 9 0  
## 3543 1.673062563 9 0  
## 3544 1.301855683 9 1  
## 3545 1.579335570 12 0  
## 3546 1.600313000 12 0  
## 3547 2.400315000 12 0  
## 3548 2.361105204 12 1  
## 3549 2.273077488 12 1  
## 3550 2.443347454 12 1  
## 3551 2.503426000 12 1  
## 3552 2.309376478 12 1  
## 3553 1.601883173 11 1  
## 3554 1.429397583 11 0  
## 3555 -1.216737151 11 0  
## 3556 1.106962800 11 0  
## 3557 1.246190786 11 1  
## 3558 1.415846705 11 0  
## 3559 1.668933153 11 0  
## 3560 1.727523446 11 1  
## 3561 -0.073552460 8 0  
## 3562 1.293025851 8 0  
## 3563 1.634414000 8 0  
## 3564 1.688525677 8 0  
## 3565 1.618007898 8 0  
## 3566 1.514647365 8 0  
## 3567 1.468529105 8 0  
## 3568 1.706928253 8 0  
## 3569 1.106828809 5 0  
## 3570 1.027746201 5 0  
## 3571 1.262565374 5 0  
## 3572 1.399987698 5 0  
## 3573 1.589570000 5 0  
## 3574 1.491832614 5 0  
## 3575 1.373514771 5 0  
## 3576 1.459467411 5 0  
## 3577 1.224856000 6 0  
## 3578 1.175223351 6 0  
## 3579 1.596673608 6 0  
## 3580 1.512974501 6 0  
## 3581 1.618007898 6 0  
## 3582 1.514647365 6 0  
## 3583 1.851254702 6 0  
## 3584 1.861079000 6 1  
## 3585 2.563853741 15 1  
## 3586 2.530633211 15 1  
## 3587 2.170792580 15 1  
## 3588 2.197422504 15 1  
## 3589 2.454636812 15 1  
## 3590 2.069024000 15 1  
## 3591 2.428656000 15 0  
## 3592 2.602088690 15 1  
## 3593 1.501065731 12 0  
## 3594 1.403628707 12 0  
## 3595 1.058481693 12 0  
## 3596 1.146991134 12 0  
## 3597 1.171720743 12 0  
## 3598 1.075348139 12 0  
## 3599 1.077325463 12 0  
## 3600 1.096668720 12 0  
## 3601 1.304898739 11 0  
## 3602 1.203972816 11 0  
## 3603 1.285038233 11 0  
## 3604 1.173516393 11 0  
## 3605 1.114524245 11 0  
## 3606 1.140434742 11 0  
## 3607 1.371391296 11 0  
## 3608 2.094187737 11 0  
## 3609 1.090123415 11 0  
## 3610 0.896692400 11 0  
## 3611 0.802493400 11 0  
## 3612 1.684383000 11 0  
## 3613 1.164603233 11 0  
## 3614 1.729596000 11 0  
## 3615 1.946565000 11 1  
## 3616 2.074653000 11 1  
## 3617 1.235728383 11 0  
## 3618 0.997636400 11 0  
## 3619 1.450438261 11 0  
## 3620 1.494705439 11 1  
## 3621 1.948553681 11 0  
## 3622 1.894669652 11 0  
## 3623 2.256119000 11 0  
## 3624 2.266544000 11 0  
## 3625 0.931694400 11 0  
## 3626 0.791587200 11 0  
## 3627 1.315070510 11 0  
## 3628 1.437211871 11 0  
## 3629 1.480092883 11 0  
## 3630 1.678950429 11 0  
## 3631 1.654086709 11 0  
## 3632 1.920502305 11 0  
## 3633 -0.887685500 12 0  
## 3634 1.981076598 12 1  
## 3635 1.966351000 12 1  
## 3636 2.489866257 12 0  
## 3637 2.320027000 12 0  
## 3638 2.193790436 12 0  
## 3639 2.413880000 12 0  
## 3640 2.191989660 12 1  
## 3641 1.320647120 11 0  
## 3642 1.107580900 11 0  
## 3643 1.758895397 11 0  
## 3644 1.304936528 11 0  
## 3645 1.320756316 11 0  
## 3646 1.514647365 11 0  
## 3647 2.113619000 11 0  
## 3648 1.571355700 11 0  
## 3649 2.132865191 15 0  
## 3650 2.146395683 15 0  
## 3651 2.368899822 15 0  
## 3652 2.370011330 15 0  
## 3653 2.090276480 15 0  
## 3654 2.439650774 15 0  
## 3655 2.548255444 15 0  
## 3656 2.754728000 15 0  
## 3657 2.035786152 12 1  
## 3658 1.877701879 12 1  
## 3659 1.872825000 12 0  
## 3660 1.897260308 12 1  
## 3661 1.905690000 12 1  
## 3662 1.896015000 12 1  
## 3663 2.347233772 12 1  
## 3664 2.278748274 12 1  
## 3665 1.050256491 14 0  
## 3666 1.406853000 14 0  
## 3667 0.896606000 14 0  
## 3668 2.418557167 14 0  
## 3669 1.849600434 14 0  
## 3670 1.756392360 14 0  
## 3671 1.778470397 14 0  
## 3672 1.966439486 14 0  
## 3673 1.000601530 15 0  
## 3674 1.185104370 15 0  
## 3675 1.507080674 15 0  
## 3676 1.296552000 15 0  
## 3677 1.665116787 15 0  
## 3678 1.901211619 15 0  
## 3679 1.820483000 15 1  
## 3680 2.021730661 15 1  
## 3681 2.043009000 15 1  
## 3682 1.989057422 15 1  
## 3683 1.872825000 15 1  
## 3684 1.973246217 15 1  
## 3685 2.023473000 15 1  
## 3686 2.242027760 15 1  
## 3687 2.017903000 15 1  
## 3688 2.045777000 15 0  
## 3689 1.420730591 16 0  
## 3690 1.342875719 16 0  
## 3691 1.416374207 16 0  
## 3692 1.578395367 16 0  
## 3693 1.885821700 16 0  
## 3694 2.037502527 16 0  
## 3695 2.203475237 16 0  
## 3696 2.164509296 16 0  
## 3697 2.075007000 12 1  
## 3698 2.111529827 12 1  
## 3699 1.992713571 12 1  
## 3700 2.465810000 12 1  
## 3701 2.174323797 12 0  
## 3702 1.705970883 12 0  
## 3703 1.514312506 12 0  
## 3704 1.619707823 12 0  
## 3705 1.119495511 8 0  
## 3706 1.079194188 8 0  
## 3707 0.912524200 8 0  
## 3708 1.032262921 8 0  
## 3709 0.989399200 8 0  
## 3710 1.072814584 8 0  
## 3711 1.052747000 8 0  
## 3712 0.920690700 8 0  
## 3713 1.190910816 10 0  
## 3714 1.069446206 10 0  
## 3715 1.230665565 10 0  
## 3716 1.134778500 10 0  
## 3717 1.033850908 10 0  
## 3718 1.010294199 10 0  
## 3719 1.108774900 10 0  
## 3720 1.211575150 10 0  
## 3721 1.782337308 12 0  
## 3722 1.139434338 12 0  
## 3723 1.961316705 12 0  
## 3724 1.188017488 12 0  
## 3725 1.960415000 12 0  
## 3726 1.657094121 12 0  
## 3727 1.795165300 12 0  
## 3728 1.527013421 12 0  
## 3729 1.557106376 13 0  
## 3730 1.688150525 13 0  
## 3731 2.160507000 13 1  
## 3732 2.237485000 13 0  
## 3733 2.566278219 13 0  
## 3734 2.599698000 13 0  
## 3735 2.923384000 13 0  
## 3736 3.037133217 13 0  
## 3737 0.702811500 12 0  
## 3738 1.391992331 12 1  
## 3739 1.184954762 12 0  
## 3740 0.929984000 12 0  
## 3741 0.926063300 12 0  
## 3742 0.087838730 12 0  
## 3743 2.239830256 12 0  
## 3744 1.811519861 12 1  
## 3745 1.650556564 15 0  
## 3746 1.988927484 15 0  
## 3747 2.026975632 15 0  
## 3748 2.053454161 15 0  
## 3749 2.311155000 15 0  
## 3750 2.299852610 15 0  
## 3751 2.302330256 15 0  
## 3752 2.342917000 15 0  
## 3753 1.871046185 12 0  
## 3754 1.116267204 12 0  
## 3755 1.658858000 12 0  
## 3756 1.586763620 12 0  
## 3757 -0.639086900 12 0  
## 3758 1.712603331 12 0  
## 3759 1.830162764 12 0  
## 3760 1.571207523 12 0  
## 3761 1.098562241 13 0  
## 3762 1.740466118 13 0  
## 3763 2.278771000 13 0  
## 3764 2.464208841 13 0  
## 3765 2.359945297 13 0  
## 3766 2.504719496 13 0  
## 3767 2.493108511 13 0  
## 3768 2.623219000 13 0  
## 3769 1.039124370 13 0  
## 3770 1.351356268 13 0  
## 3771 1.660606265 13 0  
## 3772 1.600138000 13 0  
## 3773 1.611243486 13 0  
## 3774 1.685255408 13 0  
## 3775 1.784046000 13 0  
## 3776 1.812288761 13 0  
## 3777 1.630321145 15 1  
## 3778 1.771956801 15 0  
## 3779 1.978185415 15 0  
## 3780 1.839354396 15 0  
## 3781 1.944002000 15 0  
## 3782 1.889956355 15 0  
## 3783 2.158857822 15 0  
## 3784 2.104958296 15 1  
## 3785 2.245485783 15 0  
## 3786 1.971709000 15 0  
## 3787 2.232251000 15 0  
## 3788 2.554347515 15 0  
## 3789 2.904641000 15 0  
## 3790 2.966105700 15 0  
## 3791 2.990088224 15 0  
## 3792 3.131653547 15 0  
## 3793 2.280908585 11 0  
## 3794 2.040220737 11 1  
## 3795 2.206063509 11 1  
## 3796 2.377120000 11 1  
## 3797 2.246419191 11 1  
## 3798 1.940590000 11 1  
## 3799 2.256719828 11 1  
## 3800 2.217754000 11 1  
## 3801 1.666688800 12 1  
## 3802 1.708582000 12 1  
## 3803 1.859402000 12 1  
## 3804 1.821137190 12 1  
## 3805 1.910225000 12 0  
## 3806 1.874992000 12 0  
## 3807 1.922729135 12 0  
## 3808 2.098880291 12 0  
## 3809 0.817683000 15 0  
## 3810 0.772799300 15 0  
## 3811 1.169588923 15 0  
## 3812 -0.164762750 15 0  
## 3813 2.570399284 15 0  
## 3814 2.587817000 15 0  
## 3815 2.547612190 15 0  
## 3816 2.517528000 15 0  
## 3817 1.524960637 12 0  
## 3818 1.609438000 12 1  
## 3819 1.619794726 12 0  
## 3820 1.650551796 12 1  
## 3821 1.549015000 12 1  
## 3822 1.765961766 12 1  
## 3823 1.745894194 12 1  
## 3824 2.180785418 12 1  
## 3825 1.251218557 11 0  
## 3826 0.361790031 11 0  
## 3827 1.700352000 11 1  
## 3828 1.076831222 11 0  
## 3829 1.030221224 11 0  
## 3830 1.003293000 11 0  
## 3831 0.898706300 11 0  
## 3832 1.390799000 11 0  
## 3833 2.098068000 12 0  
## 3834 2.359584570 12 0  
## 3835 2.102528334 12 0  
## 3836 1.947784662 12 0  
## 3837 2.058639526 12 0  
## 3838 2.300416000 12 0  
## 3839 0.924035000 12 0  
## 3840 2.313545000 12 1  
## 3841 1.447999597 12 1  
## 3842 1.498334408 12 1  
## 3843 1.547402501 12 1  
## 3844 -0.790987300 12 1  
## 3845 1.800329447 12 1  
## 3846 1.407924891 12 1  
## 3847 1.539818525 12 0  
## 3848 1.760995507 12 1  
## 3849 1.222760320 11 0  
## 3850 1.171183000 11 0  
## 3851 1.233745000 11 0  
## 3852 1.204113126 11 0  
## 3853 1.218167543 11 0  
## 3854 1.232509494 11 0  
## 3855 1.304711000 11 0  
## 3856 1.368055105 11 1  
## 3857 1.776809000 13 0  
## 3858 1.829239000 13 0  
## 3859 1.784884453 13 0  
## 3860 1.924314000 13 0  
## 3861 2.095733643 13 0  
## 3862 1.939209461 13 0  
## 3863 2.182701826 13 0  
## 3864 2.134204000 13 0  
## 3865 2.063185215 12 1  
## 3866 -0.262364268 12 1  
## 3867 2.278290000 12 1  
## 3868 2.265977621 12 0  
## 3869 2.002069000 12 0  
## 3870 2.550724745 12 1  
## 3871 2.370529413 12 0  
## 3872 2.498910666 12 0  
## 3873 1.918003201 14 0  
## 3874 1.733490586 14 0  
## 3875 1.939563632 14 0  
## 3876 2.171697140 14 0  
## 3877 2.314657688 14 0  
## 3878 2.462753773 14 0  
## 3879 2.628283501 14 0  
## 3880 2.660089493 14 0  
## 3881 1.998972297 12 0  
## 3882 1.650259852 12 0  
## 3883 1.351910472 12 0  
## 3884 1.606406808 12 1  
## 3885 1.849600434 12 1  
## 3886 1.777324200 12 0  
## 3887 1.885799000 12 0  
## 3888 2.022467375 12 0  
## 3889 1.538513541 12 0  
## 3890 1.256476760 12 0  
## 3891 1.705794000 12 1  
## 3892 1.948553681 12 0  
## 3893 2.369424000 12 1  
## 3894 2.564469576 12 1  
## 3895 2.679806471 12 1  
## 3896 2.786848307 12 1  
## 3897 0.859500900 9 0  
## 3898 1.442383885 9 0  
## 3899 1.144840121 9 0  
## 3900 1.514205694 9 0  
## 3901 1.839550138 9 0  
## 3902 1.805182457 9 0  
## 3903 1.557979345 9 0  
## 3904 1.606387000 9 0  
## 3905 1.473975000 12 0  
## 3906 0.450201000 12 0  
## 3907 0.092494150 12 0  
## 3908 1.445450000 12 0  
## 3909 0.607719000 12 0  
## 3910 0.845832300 12 0  
## 3911 1.039470196 12 1  
## 3912 1.455613852 12 0  
## 3913 1.364618000 11 0  
## 3914 1.485029221 11 0  
## 3915 1.736114000 11 0  
## 3916 1.750102758 11 0  
## 3917 1.905690000 11 0  
## 3918 1.810722709 11 0  
## 3919 2.108424187 11 0  
## 3920 1.748325229 11 0  
## 3921 1.465272000 12 0  
## 3922 2.102309704 12 0  
## 3923 1.735993743 12 1  
## 3924 1.263876200 12 0  
## 3925 1.800329447 12 0  
## 3926 1.966632485 12 0  
## 3927 1.785114884 12 0  
## 3928 1.714650273 12 0  
## 3929 -0.236821000 13 0  
## 3930 0.271152765 13 0  
## 3931 0.230419964 13 0  
## 3932 1.411161000 13 0  
## 3933 1.692521572 13 0  
## 3934 1.485659838 13 0  
## 3935 1.895031214 13 0  
## 3936 1.952050686 13 0  
## 3937 1.224856000 11 0  
## 3938 1.442383885 11 0  
## 3939 1.500714000 11 0  
## 3940 1.523447000 11 0  
## 3941 1.588373000 11 0  
## 3942 1.520888448 11 0  
## 3943 1.457437000 11 0  
## 3944 1.893691000 11 0  
## 3945 1.447999597 12 1  
## 3946 1.609438000 12 1  
## 3947 1.547402501 12 1  
## 3948 1.660804868 12 1  
## 3949 1.743171000 12 1  
## 3950 1.793360710 12 1  
## 3951 1.851254702 12 1  
## 3952 1.994610310 12 1  
## 3953 1.235905886 10 0  
## 3954 1.134671330 10 0  
## 3955 0.917874900 10 0  
## 3956 1.202103853 10 0  
## 3957 1.518408537 10 0  
## 3958 1.178175092 10 0  
## 3959 1.458212137 10 0  
## 3960 1.393293858 10 0  
## 3961 1.667543888 10 0  
## 3962 1.583953500 10 0  
## 3963 1.740721822 10 0  
## 3964 1.725410104 10 0  
## 3965 1.743171000 10 0  
## 3966 1.765961766 10 0  
## 3967 1.745894194 10 0  
## 3968 1.861079000 10 0  
## 3969 2.127963543 14 1  
## 3970 1.817077279 14 0  
## 3971 2.160507000 14 0  
## 3972 2.108060598 14 0  
## 3973 2.560215235 14 0  
## 3974 2.276787281 14 0  
## 3975 2.459195000 14 0  
## 3976 2.387653000 14 0  
## 3977 0.113504700 14 0  
## 3978 1.683545828 14 1  
## 3979 1.918966000 14 1  
## 3980 1.981343508 14 1  
## 3981 1.488330000 14 1  
## 3982 1.475056887 14 1  
## 3983 1.799961448 14 0  
## 3984 2.130742550 14 0  
## 3985 1.630321145 11 0  
## 3986 1.683545828 11 0  
## 3987 1.690503359 11 0  
## 3988 1.897260308 11 0  
## 3989 1.682546377 11 0  
## 3990 2.098595142 11 0  
## 3991 0.593012300 11 1  
## 3992 0.949723400 11 0  
## 3993 0.177886963 8 0  
## 3994 1.324418902 8 0  
## 3995 0.923491200 8 0  
## 3996 1.186345339 8 0  
## 3997 1.060368657 8 0  
## 3998 0.998516700 8 0  
## 3999 2.283518000 8 0  
## 4000 1.381505847 8 0  
## 4001 1.630321145 13 0  
## 4002 2.534697294 13 1  
## 4003 2.448189000 13 1  
## 4004 2.354018688 13 1  
## 4005 2.241297245 13 1  
## 4006 2.329934359 13 1  
## 4007 2.457390547 13 1  
## 4008 1.966439486 13 0  
## 4009 1.260084748 14 0  
## 4010 1.364315510 14 0  
## 4011 1.547402501 14 0  
## 4012 1.314829826 14 0  
## 4013 1.212542772 14 0  
## 4014 1.178175092 14 0  
## 4015 1.628111124 14 0  
## 4016 1.594286561 14 0  
## 4017 0.509818900 13 0  
## 4018 1.463415000 13 0  
## 4019 1.506580472 13 0  
## 4020 1.743986487 13 0  
## 4021 1.954480000 13 0  
## 4022 2.011084318 13 0  
## 4023 2.033576250 13 0  
## 4024 2.174848000 13 0  
## 4025 2.151168346 12 1  
## 4026 1.869721000 12 1  
## 4027 1.534980000 12 0  
## 4028 1.160314798 12 0  
## 4029 1.325529575 12 0  
## 4030 1.412456393 12 0  
## 4031 1.628111124 12 0  
## 4032 1.706928253 12 0  
## 4033 1.048965335 11 0  
## 4034 1.112803459 11 0  
## 4035 1.074278712 11 0  
## 4036 1.524040341 11 0  
## 4037 1.267602563 11 0  
## 4038 1.157053471 11 0  
## 4039 0.814336000 11 0  
## 4040 1.180607915 11 0  
## 4041 1.213383555 9 0  
## 4042 0.880572700 9 0  
## 4043 1.042966723 9 0  
## 4044 0.849941400 9 1  
## 4045 0.689701700 9 1  
## 4046 0.762207300 9 0  
## 4047 0.909646200 9 0  
## 4048 1.381505847 9 0  
## 4049 1.495731000 13 0  
## 4050 1.521960258 13 0  
## 4051 1.452966809 13 0  
## 4052 1.739929199 13 0  
## 4053 1.892584801 13 0  
## 4054 2.205789804 13 0  
## 4055 1.925704122 13 0  
## 4056 2.259920000 13 0  
## 4057 1.056437373 11 0  
## 4058 -1.417066000 11 0  
## 4059 -0.670045500 11 0  
## 4060 0.702682500 11 0  
## 4061 0.712933700 11 0  
## 4062 0.820058900 11 0  
## 4063 1.068739653 11 0  
## 4064 1.039098859 11 0  
## 4065 1.216968656 9 0  
## 4066 1.053912163 9 0  
## 4067 1.253163099 9 0  
## 4068 1.350716591 9 1  
## 4069 1.352304697 9 1  
## 4070 1.251297355 9 1  
## 4071 1.362524509 9 1  
## 4072 1.183680000 9 0  
## 4073 1.093465209 11 1  
## 4074 0.999332700 11 0  
## 4075 1.047210097 11 0  
## 4076 0.451336265 11 0  
## 4077 0.802813200 11 0  
## 4078 0.706570200 11 0  
## 4079 1.074726000 11 0  
## 4080 0.694628300 11 0  
## 4081 0.955416300 12 0  
## 4082 1.666008234 12 0  
## 4083 1.019451618 12 0  
## 4084 1.085398197 12 0  
## 4085 0.950288100 12 0  
## 4086 1.387393594 12 0  
## 4087 1.558776498 12 0  
## 4088 1.599297523 12 0  
## 4089 1.739535213 12 0  
## 4090 0.890121000 12 0  
## 4091 1.482263207 12 0  
## 4092 1.075938000 12 0  
## 4093 1.520969272 12 0  
## 4094 1.603923678 12 0  
## 4095 1.340429000 12 0  
## 4096 2.117212534 12 0  
## 4097 1.159187000 10 0  
## 4098 1.529395223 10 0  
## 4099 1.467359781 10 0  
## 4100 1.502266526 10 0  
## 4101 1.345707893 10 0  
## 4102 1.407173634 10 0  
## 4103 1.842592716 10 0  
## 4104 2.370103359 10 0  
## 4105 1.165136814 15 0  
## 4106 1.949763775 15 0  
## 4107 1.946097136 15 0  
## 4108 1.987774372 15 0  
## 4109 2.115868330 15 0  
## 4110 2.253914000 15 0  
## 4111 2.319288000 15 0  
## 4112 2.275608778 15 0  
## 4113 1.591856480 12 1  
## 4114 2.001567000 12 1  
## 4115 2.650141716 12 1  
## 4116 2.452459000 12 1  
## 4117 2.168054000 12 1  
## 4118 2.372097492 12 1  
## 4119 2.085448000 12 1  
## 4120 1.982279658 12 1  
## 4121 1.941813827 12 0  
## 4122 1.634755731 12 0  
## 4123 1.668030500 12 0  
## 4124 1.638398767 12 0  
## 4125 1.340994596 12 0  
## 4126 1.191420317 12 0  
## 4127 1.576817870 12 0  
## 4128 1.366001606 12 0  
## 4129 1.265678000 6 0  
## 4130 1.711101532 6 0  
## 4131 1.652455330 6 0  
## 4132 1.425712585 6 0  
## 4133 1.478612000 6 0  
## 4134 1.578281283 6 0  
## 4135 1.524607539 6 0  
## 4136 1.723996162 6 0  
## 4137 1.818074465 11 0  
## 4138 2.027552128 11 0  
## 4139 2.415343000 11 0  
## 4140 2.232077837 11 0  
## 4141 2.542747736 11 0  
## 4142 2.027668476 11 0  
## 4143 2.222818375 11 0  
## 4144 2.238106000 11 0  
## 4145 1.428417206 12 0  
## 4146 1.540771842 12 0  
## 4147 1.547686696 12 0  
## 4148 1.361333251 12 0  
## 4149 1.768889000 12 0  
## 4150 1.777669668 12 0  
## 4151 1.416758000 12 0  
## 4152 1.635019000 12 0  
## 4153 1.170362711 10 0  
## 4154 1.496605396 10 0  
## 4155 1.553672000 10 0  
## 4156 1.646462440 10 0  
## 4157 1.818678617 10 0  
## 4158 1.754423857 10 0  
## 4159 1.887379408 10 0  
## 4160 1.814773202 10 0  
## 4161 0.014748222 13 1  
## 4162 0.439784348 13 1  
## 4163 1.448783398 13 0  
## 4164 1.255406499 13 0  
## 4165 1.327271000 13 0  
## 4166 1.421491146 13 1  
## 4167 1.456839442 13 0  
## 4168 1.381505847 13 0  
## 4169 1.447999597 12 0  
## 4170 1.733490586 12 0  
## 4171 1.872825000 12 1  
## 4172 2.043713331 12 0  
## 4173 2.232133150 12 0  
## 4174 2.040030718 12 0  
## 4175 -0.228186816 12 0  
## 4176 2.035432339 12 0  
## 4177 1.640954375 14 0  
## 4178 1.915812135 14 0  
## 4179 2.307313000 14 0  
## 4180 2.641700745 14 0  
## 4181 2.652109623 14 0  
## 4182 2.443841457 14 0  
## 4183 2.030237436 14 0  
## 4184 2.282292366 14 0  
## 4185 0.414875900 13 0  
## 4186 1.694234490 13 0  
## 4187 1.621643186 13 0  
## 4188 1.582915545 13 0  
## 4189 1.020155787 13 0  
## 4190 1.333929658 13 0  
## 4191 2.197611332 13 0  
## 4192 2.174311000 13 0  
## 4193 0.667991300 10 0  
## 4194 1.243193507 10 0  
## 4195 2.933697000 10 1  
## 4196 1.722071171 10 0  
## 4197 1.549015000 10 0  
## 4198 2.174508572 10 0  
## 4199 2.074398279 10 0  
## 4200 1.812288761 10 0  
## 4201 1.147183000 16 0  
## 4202 1.114360690 16 0  
## 4203 1.208186746 16 0  
## 4204 1.560330391 16 0  
## 4205 1.618007898 16 0  
## 4206 1.871322274 16 0  
## 4207 1.558559000 16 0  
## 4208 1.812689424 16 0  
## 4209 1.942335248 12 0  
## 4210 1.560803413 12 0  
## 4211 1.654116000 12 0  
## 4212 1.666176796 12 0  
## 4213 1.815708518 12 0  
## 4214 1.976682782 12 1  
## 4215 2.128435850 12 0  
## 4216 2.092671633 12 1  
## 4217 -0.369077700 12 0  
## 4218 1.287354469 12 0  
## 4219 1.820196000 12 0  
## 4220 1.471961141 12 0  
## 4221 1.809506000 12 0  
## 4222 2.144140244 12 0  
## 4223 1.625266194 12 0  
## 4224 1.665860176 12 0  
## 4225 1.171248913 12 0  
## 4226 0.929536000 12 0  
## 4227 0.746943600 12 0  
## 4228 0.998287000 12 0  
## 4229 1.394864321 12 0  
## 4230 1.530690432 12 0  
## 4231 1.900045000 12 0  
## 4232 1.812288761 12 0  
## 4233 0.946512300 8 0  
## 4234 0.941608500 8 0  
## 4235 1.186673284 8 0  
## 4236 0.807070200 8 0  
## 4237 1.657522678 8 0  
## 4238 1.535766244 8 0  
## 4239 0.585150100 8 0  
## 4240 1.721831679 8 0  
## 4241 1.506268501 10 1  
## 4242 1.285395861 10 0  
## 4243 1.195426106 10 1  
## 4244 1.283577323 10 1  
## 4245 1.441384315 10 1  
## 4246 1.451468468 10 1  
## 4247 1.830256581 10 1  
## 4248 1.945820212 10 0  
## 4249 1.471716000 13 0  
## 4250 1.551267266 13 0  
## 4251 1.690503359 13 1  
## 4252 1.843193173 13 1  
## 4253 2.050271273 13 1  
## 4254 1.926047206 13 1  
## 4255 1.981494784 13 1  
## 4256 2.190755000 13 1  
## 4257 1.542028546 12 0  
## 4258 1.945910000 12 0  
## 4259 1.930791736 12 1  
## 4260 2.064561605 12 1  
## 4261 1.954480000 12 1  
## 4262 2.011084318 12 1  
## 4263 2.074398279 12 1  
## 4264 2.217754000 12 1  
## 4265 0.864342300 11 0  
## 4266 -0.032789823 11 0  
## 4267 0.452965600 11 0  
## 4268 0.628936800 11 0  
## 4269 0.740937800 11 0  
## 4270 1.178175092 11 0  
## 4271 1.340429000 11 0  
## 4272 1.203198791 11 0  
## 4273 0.625737800 14 0  
## 4274 1.171759129 14 0  
## 4275 0.903159100 14 0  
## 4276 1.181936502 14 0  
## 4277 1.148809671 14 0  
## 4278 1.523015618 14 0  
## 4279 1.161203000 14 0  
## 4280 1.370456000 14 0  
## 4281 1.543309689 12 0  
## 4282 1.446946859 12 0  
## 4283 1.612830281 12 0  
## 4284 1.786034703 12 0  
## 4285 1.770957351 12 0  
## 4286 1.706715226 12 0  
## 4287 1.950579405 12 0  
## 4288 1.890560000 12 0  
## 4289 1.427848000 12 0  
## 4290 1.620751619 12 0  
## 4291 2.132336140 12 0  
## 4292 1.376500249 12 0  
## 4293 1.970228434 12 0  
## 4294 1.970664740 12 0  
## 4295 1.915793300 12 0  
## 4296 1.994610310 12 0  
## 4297 -0.815364800 12 1  
## 4298 1.820332885 12 1  
## 4299 1.743517399 12 1  
## 4300 1.626404524 12 1  
## 4301 1.682546377 12 1  
## 4302 1.557073236 12 1  
## 4303 1.444366097 12 1  
## 4304 1.199618459 12 0  
## 4305 0.004076093 12 0  
## 4306 2.397895336 12 0  
## 4307 2.318720818 12 0  
## 4308 2.387206793 12 0  
## 4309 2.303329229 12 1  
## 4310 2.231141806 12 0  
## 4311 2.243296862 12 1  
## 4312 2.417904854 12 0  
## 4313 1.667543888 15 0  
## 4314 1.609438000 15 0  
## 4315 1.713940263 15 0  
## 4316 1.268715739 15 0  
## 4317 0.887120400 15 0  
## 4318 1.876309872 15 1  
## 4319 1.933906317 15 1  
## 4320 1.974355340 15 1  
## 4321 1.066487670 14 0  
## 4322 1.937310815 14 0  
## 4323 1.696641000 14 0  
## 4324 2.016517000 14 0  
## 4325 1.176788568 14 0  
## 4326 1.491832614 14 0  
## 4327 1.971968532 14 0  
## 4328 1.876827240 14 0  
## 4329 2.213467360 12 1  
## 4330 2.222542286 12 1  
## 4331 2.201329000 12 1  
## 4332 2.171697140 12 1  
## 4333 2.168054000 12 1  
## 4334 2.133686543 12 1  
## 4335 2.113619000 12 1  
## 4336 2.202486515 12 1  
## 4337 0.972402600 12 0  
## 4338 1.324885726 12 0  
## 4339 0.962707000 12 0  
## 4340 0.845251500 12 0  
## 4341 1.929574251 12 0  
## 4342 2.037502527 12 0  
## 4343 1.148220658 12 0  
## 4344 1.306740165 12 0  
## 4345 1.840041637 11 0  
## 4346 2.174751759 11 0  
## 4347 2.122766733 11 0  
## 4348 2.130875000 11 0  
## 4349 2.168054000 11 0  
## 4350 2.207794428 11 0  
## 4351 2.381883000 11 0  
## 4352 2.342917000 11 0  
## 4353 1.130545378 9 0  
## 4354 1.311603427 9 0  
## 4355 0.832481600 9 0  
## 4356 1.591878653 9 0  
## 4357 1.212542772 9 1  
## 4358 1.765961766 9 0  
## 4359 1.745894194 9 1  
## 4360 1.466542840 9 1

summary(ch4bt6\_m)

## LWAGE GRADE UNION   
## Min. :-3.579 Min. : 3.00 Min. :0.000   
## 1st Qu.: 1.351 1st Qu.:11.00 1st Qu.:0.000   
## Median : 1.671 Median :12.00 Median :0.000   
## Mean : 1.649 Mean :11.77 Mean :0.244   
## 3rd Qu.: 1.991 3rd Qu.:12.00 3rd Qu.:0.000   
## Max. : 4.052 Max. :16.00 Max. :1.000

# gán biến  
lwage=ch4bt6\_m$LWAGE  
grade=ch4bt6\_m$GRADE  
union=ch4bt6\_m$UNION  
#XÉT MÔ HÌNH HỒI QUY  
reg=lm(lwage ~ grade+union)  
summary(reg)

##   
## Call:  
## lm(formula = lwage ~ grade + union)  
##   
## Residuals:  
## Min 1Q Median 3Q Max   
## -5.2792 -0.2615 0.0254 0.3188 2.5061   
##   
## Coefficients:  
## Estimate Std. Error t value Pr(>|t|)   
## (Intercept) 0.69679 0.05279 13.20 <2e-16 \*\*\*  
## grade 0.07718 0.00442 17.46 <2e-16 \*\*\*  
## union 0.18119 0.01797 10.08 <2e-16 \*\*\*  
## ---  
## Signif. codes: 0 '\*\*\*' 0.001 '\*\*' 0.01 '\*' 0.05 '.' 0.1 ' ' 1  
##   
## Residual standard error: 0.5096 on 4357 degrees of freedom  
## Multiple R-squared: 0.08492, Adjusted R-squared: 0.0845   
## F-statistic: 202.2 on 2 and 4357 DF, p-value: < 2.2e-16

#ẢNH HUONG TUONG TAC GRADE vs UNION  
# XÉT MÔ HÌNH  
reg1=lm(lwage~grade+union+grade\*union)  
summary(reg1)

##   
## Call:  
## lm(formula = lwage ~ grade + union + grade \* union)  
##   
## Residuals:  
## Min 1Q Median 3Q Max   
## -5.2782 -0.2621 0.0254 0.3178 2.5055   
##   
## Coefficients:  
## Estimate Std. Error t value Pr(>|t|)   
## (Intercept) 0.706175 0.056594 12.478 <2e-16 \*\*\*  
## grade 0.076380 0.004748 16.088 <2e-16 \*\*\*  
## union 0.110690 0.154082 0.718 0.473   
## grade:union 0.005999 0.013022 0.461 0.645   
## ---  
## Signif. codes: 0 '\*\*\*' 0.001 '\*\*' 0.01 '\*' 0.05 '.' 0.1 ' ' 1  
##   
## Residual standard error: 0.5097 on 4356 degrees of freedom  
## Multiple R-squared: 0.08497, Adjusted R-squared: 0.08434   
## F-statistic: 134.8 on 3 and 4356 DF, p-value: < 2.2e-16