**20150609-WingM5\_4\_10variable\_group-Result**

Starting matlabpool using the 'local' configuration ... connected to 8 labs.

Best Mean Stall

Generation f-count f(x) f(x) Generations

1 200 4803 7237 0

2 300 4297 8694 0

3 400 4126 7599 0

4 500 4000 7832 0

5 600 4000 7142 0

6 700 4000 6932 0

7 800 4000 7036 0

8 900 4000 6462 0

9 1000 4000 6247 0

10 1100 4000 6601 1

11 1200 4000 6716 2

12 1300 4000 6768 0

13 1400 3998 7111 0

14 1500 3998 6699 1

15 1600 3998 6801 2

16 1700 3997 1.041e+008 0

17 1800 3997 6.356e+005 1

18 1900 3997 6737 0

19 2000 3996 6988 0

20 2100 3993 6261 0

21 2200 3993 6406 1

22 2300 3992 6312 0

23 2400 3992 6180 1

24 2500 3992 6580 0

25 2600 3991 6433 0

26 2700 3990 6301 0

27 2800 3985 6343 0

28 2900 3980 6143 0

29 3000 3977 6057 0

30 3100 3977 6400 1

Best Mean Stall

Generation f-count f(x) f(x) Generations

31 3200 3976 5962 0

32 3300 3976 5876 0

33 3400 3974 6432 0

34 3500 3974 6224 0

35 3600 3974 5906 0

36 3700 3972 6032 0

37 3800 3972 5908 0

38 3900 3965 5381 0

39 4000 3965 5839 1

40 4100 3964 5720 0

41 4200 3961 5826 0

42 4300 3961 5669 1

43 4400 3957 5472 0

44 4500 3949 5576 0

45 4600 3939 5847 0

46 4700 3935 5869 0

47 4800 3923 5944 0

48 4900 3923 6121 1

49 5000 3923 5910 2

50 5100 3917 5971 0

51 5200 3917 5985 1

52 5300 3909 6168 0

53 5400 3909 6037 1

54 5500 3909 5884 2

55 5600 3884 6079 0

56 5700 3865 6085 0

57 5800 3865 5999 1

58 5900 3865 6184 2

59 6000 3858 6376 0

60 6100 3853 6291 0

Best Mean Stall

Generation f-count f(x) f(x) Generations

61 6200 3853 6069 1

62 6300 3849 6195 0

63 6400 3849 5929 1

64 6500 3849 5704 2

65 6600 3849 5583 3

66 6700 3849 5418 4

67 6800 3844 5690 0

68 6900 3844 5965 1

69 7000 3844 5991 2

70 7100 3844 5849 3

71 7200 3844 5632 4

72 7300 3844 5885 5

73 7400 3844 5989 6

74 7500 3844 5596 7

75 7600 3844 5436 8

76 7700 3819 5575 0

77 7800 3819 5429 1

78 7900 3819 5472 2

79 8000 3818 5411 0

80 8100 3802 5559 0

81 8200 3802 5685 1

82 8300 3801 5476 0

83 8400 3801 5512 1

84 8500 3801 5452 2

85 8600 3792 5778 0

86 8700 3792 5546 1

87 8800 3776 5632 0

88 8900 3776 5647 1

89 9000 3770 5503 0

90 9100 3758 5688 0

Best Mean Stall

Generation f-count f(x) f(x) Generations

91 9200 3758 5552 1

92 9300 3751 5504 0

93 9400 3751 5492 1

94 9500 3751 5129 2

95 9600 3751 5443 3

96 9700 3746 5448 0

97 9800 3739 5344 0

98 9900 3736 5469 0

99 10000 3728 5263 0

100 10100 3728 5196 1

101 10200 3728 5174 2

102 10300 3728 5172 0

103 10400 3728 5372 1

104 10500 3728 5279 2

105 10600 3702 4830 0

106 10700 3702 4921 1

107 10800 3702 5171 2

108 10900 3702 5105 3

109 11000 3702 5338 4

110 11100 3702 5216 5

111 11200 3702 5588 6

112 11300 3702 5090 7

113 11400 3699 5062 0

114 11500 3699 5188 1

115 11600 3699 5116 2

116 11700 3699 5340 3

117 11800 3669 5025 0

118 11900 3669 4916 1

119 12000 3669 4963 2

120 12100 3669 5129 3

Best Mean Stall

Generation f-count f(x) f(x) Generations

121 12200 3669 5138 4

122 12300 3669 4942 5

123 12400 3669 5057 6

124 12500 3669 5120 7

125 12600 3669 5113 8

126 12700 3645 5017 0

127 12800 3645 4988 1

128 12900 3645 4891 2

129 13000 3645 4892 3

130 13100 3645 5129 4

131 13200 3645 4892 5

132 13300 3632 4628 0

133 13400 3632 4911 1

134 13500 3632 4996 2

135 13600 3632 4928 3

136 13700 3632 4778 4

137 13800 3632 4820 5

138 13900 3373 4647 0

139 14000 3373 4836 1

140 14100 3373 4994 2

141 14200 3373 4854 3

142 14300 3187 5064 0

143 14400 3187 5042 1

144 14500 3187 4840 2

145 14600 3187 4854 3

146 14700 3187 5213 4

147 14800 3081 5357 0

148 14900 2863 5252 0

149 15000 2748 5116 0

150 15100 2748 5339 1

Best Mean Stall

Generation f-count f(x) f(x) Generations

151 15200 2655 5147 0

152 15300 2598 4917 0

153 15400 2598 5008 0

154 15500 2587 4972 0

155 15600 2587 4831 1

156 15700 2587 5141 0

157 15800 2569 4968 0

158 15900 2526 4990 0

159 16000 2519 4892 0

160 16100 2504 4887 0

161 16200 2504 4384 1

162 16300 2504 4489 2

163 16400 2484 4496 0

164 16500 2484 4517 1

165 16600 2484 4464 2

166 16700 2430 4555 0

167 16800 2410 4451 0

168 16900 2385 4488 0

169 17000 2353 4294 0

170 17100 2278 4209 0

171 17200 2263 3991 0

172 17300 2259 4432 0

173 17400 2259 4404 1

174 17500 2175 4421 0

175 17600 2175 4008 0

176 17700 2148 3952 0

177 17800 2041 3740 0

178 17900 2041 3930 1

179 18000 2041 4066 2

180 18100 2041 4078 0

Best Mean Stall

Generation f-count f(x) f(x) Generations

181 18200 1973 4093 0

182 18300 1973 4063 1

183 18400 1973 3930 2

184 18500 1973 3862 3

185 18600 1973 3853 4

186 18700 1973 3787 5

187 18800 1968 3857 0

188 18900 1968 3699 1

189 19000 1968 3618 0

190 19100 1910 3764 0

191 19200 1906 3746 0

192 19300 1906 3949 1

193 19400 1901 3750 0

194 19500 1901 3706 1

195 19600 1898 3600 0

196 19700 1831 3828 0

197 19800 1831 3855 1

198 19900 1831 3767 2

199 20000 1831 3568 3

200 20100 1831 3556 0

201 20200 1808 3550 0

202 20300 1737 3455 0

203 20400 1737 3383 1

204 20500 1737 3333 2

205 20600 1737 3294 3

206 20700 1712 3210 0

207 20800 1710 3274 0

208 20900 1705 3280 0

209 21000 1705 3381 1

210 21100 1705 3183 0

Best Mean Stall

Generation f-count f(x) f(x) Generations

211 21200 1705 3181 0

212 21300 1674 3057 0

213 21400 1661 3162 0

214 21500 1650 3125 0

215 21600 1647 3007 0

216 21700 1647 3024 1

217 21800 1647 2976 2

218 21900 1647 2980 3

219 22000 1639 2946 0

220 22100 1624 2980 0

221 22200 1624 2957 1

222 22300 1624 2987 2

223 22400 1624 2945 3

224 22500 1624 2896 0

225 22600 1623 2857 0

226 22700 1587 2759 0

227 22800 1587 2701 1

228 22900 1563 2565 0

229 23000 1562 2680 0

230 23100 1562 2754 1

231 23200 1562 2591 0

232 23300 1562 2711 1

233 23400 1525 2720 0

234 23500 1524 2526 0

235 23600 1524 2680 0

236 23700 1524 2677 1

237 23800 1505 2570 0

238 23900 1505 2521 1

239 24000 1505 2547 2

240 24100 1505 2574 3

Best Mean Stall

Generation f-count f(x) f(x) Generations

241 24200 1505 2561 4

242 24300 1505 2525 5

243 24400 1505 2512 6

244 24500 1505 2461 7

245 24600 1505 2371 8

246 24700 1505 2319 9

247 24800 1441 2450 0

248 24900 1441 2284 0

249 25000 1441 2260 1

250 25100 1413 2350 0

251 25200 1413 2276 1

252 25300 1411 2401 0

253 25400 1411 2399 1

254 25500 1411 2160 2

255 25600 1403 2195 0

256 25700 1365 2176 0

257 25800 1365 2295 1

258 25900 1353 2315 0

259 26000 1353 2194 0

260 26100 1353 2241 1

261 26200 1348 2216 0

262 26300 1348 2031 0

263 26400 1348 1978 1

264 26500 1302 1933 0

265 26600 1302 1866 1

266 26700 1296 1872 0

267 26800 1296 1948 1

268 26900 1291 1788 0

269 27000 1288 1849 0

270 27100 1288 1816 0

Best Mean Stall

Generation f-count f(x) f(x) Generations

271 27200 1267 1734 0

272 27300 1265 1654 0

273 27400 1265 1666 1

274 27500 1262 1579 0

275 27600 1258 1613 0

276 27700 1253 1678 0

277 27800 1253 1614 1

278 27900 1240 1631 0

279 28000 1240 1575 1

280 28100 1240 1614 2

281 28200 1238 1582 0

282 28300 1238 1490 0

283 28400 1230 1401 0

284 28500 1230 1415 0

285 28600 1229 1408 0

286 28700 1229 1435 1

287 28800 1223 1358 0

Optimization terminated: stop requested from plot function.

Switching to the hybrid optimization algorithm (FMINSEARCH).

Iteration Func-count min f(x) Procedure

0 1 1223.21

1 11 1223.21 initial simplex

2 12 1223.21 reflect

3 13 1223.21 reflect

4 14 1223.21 reflect

5 16 1223.21 contract inside

6 18 1223.21 contract inside

7 19 1223.21 reflect

8 20 1223.21 reflect

9 22 1223.21 contract inside

10 24 1223.21 contract inside

11 26 1178.29 contract inside

12 28 1178.29 contract inside

13 30 1178.29 contract inside

14 31 1178.29 reflect

15 33 1178.29 contract inside

16 35 1178.29 contract inside

17 36 1178.29 reflect

18 37 1178.29 reflect

19 38 1178.29 reflect

20 39 1178.29 reflect

21 40 1178.29 reflect

22 42 1178.29 contract inside

23 43 1178.29 reflect

24 44 1178.29 reflect

25 45 1178.29 reflect

26 47 1176.06 reflect

27 49 1166.75 expand

28 51 1140.66 expand

29 52 1140.66 reflect

30 54 1110.02 expand

31 55 1110.02 reflect

32 56 1110.02 reflect

33 57 1110.02 reflect

34 58 1110.02 reflect

35 60 1102.27 reflect

36 62 1082.25 expand

37 64 1056.25 expand

38 65 1056.25 reflect

39 67 1045.79 expand

40 69 1026.8 expand

41 71 990.97 expand

42 72 990.97 reflect

43 74 948.599 expand

44 75 948.599 reflect

45 77 923.257 expand

46 79 875.494 expand

47 80 875.494 reflect

48 81 875.494 reflect

49 82 875.494 reflect

50 83 875.494 reflect

51 84 875.494 reflect

52 85 875.494 reflect

53 86 875.494 reflect

54 88 709.94 expand

55 89 709.94 reflect

56 90 709.94 reflect

57 91 709.94 reflect

58 92 709.94 reflect

59 93 709.94 reflect

60 94 709.94 reflect

61 95 709.94 reflect

62 96 709.94 reflect

63 97 709.94 reflect

64 98 709.94 reflect

65 99 709.94 reflect

66 101 687.601 reflect

67 103 587.272 expand

68 105 587.272 contract inside

69 106 587.272 reflect

70 107 587.272 reflect

71 109 587.272 contract inside

72 110 587.272 reflect

73 112 531.09 expand

74 113 531.09 reflect

75 114 531.09 reflect

76 115 531.09 reflect

77 117 434.661 expand

78 119 434.661 contract inside

79 120 434.661 reflect

80 121 434.661 reflect

81 123 434.661 contract inside

82 124 434.661 reflect

83 125 434.661 reflect

84 126 434.661 reflect

85 128 404.58 expand

86 130 381.843 expand

87 132 223.047 expand

88 134 223.047 contract inside

89 135 223.047 reflect

90 136 223.047 reflect

91 138 221.408 reflect

92 140 221.408 contract inside

93 141 221.408 reflect

94 142 221.408 reflect

95 143 221.408 reflect

96 145 141.138 reflect

97 146 141.138 reflect

98 147 141.138 reflect

99 149 141.138 contract inside

100 150 141.138 reflect

101 152 141.138 contract inside

102 154 141.138 contract inside

103 156 141.138 contract inside

104 158 141.138 contract inside

105 160 141.138 contract inside

106 161 141.138 reflect

107 163 141.138 contract inside

108 164 141.138 reflect

109 165 141.138 reflect

110 167 141.138 contract inside

111 168 141.138 reflect

112 169 141.138 reflect

113 171 131.152 reflect

114 172 131.152 reflect

115 174 120.93 reflect

116 175 120.93 reflect

117 176 120.93 reflect

118 177 120.93 reflect

119 178 120.93 reflect

120 179 120.93 reflect

121 181 101.458 reflect

122 183 101.458 contract inside

123 185 101.458 contract inside

124 187 96.1851 reflect

125 188 96.1851 reflect

126 190 96.1851 contract inside

127 192 94.605 contract inside

128 194 94.605 contract outside

129 195 94.605 reflect

130 196 94.605 reflect

131 198 85.2995 expand

132 199 85.2995 reflect

133 201 67.487 reflect

134 203 67.487 contract inside

135 204 67.487 reflect

136 206 58.6359 reflect

137 207 58.6359 reflect

138 208 58.6359 reflect

139 209 58.6359 reflect

140 210 58.6359 reflect

141 211 58.6359 reflect

142 212 58.6359 reflect

143 214 58.6359 contract inside

144 216 58.6359 contract inside

145 217 58.6359 reflect

146 218 58.6359 reflect

147 220 56.226 reflect

148 222 48.6872 reflect

149 223 48.6872 reflect

150 224 48.6872 reflect

151 225 48.6872 reflect

152 226 48.6872 reflect

153 227 48.6872 reflect

154 229 48.6872 contract outside

155 231 48.6872 contract inside

156 232 48.6872 reflect

157 234 48.6872 contract inside

158 236 48.4775 reflect

159 237 48.4775 reflect

160 239 31.0668 expand

161 240 31.0668 reflect

162 241 31.0668 reflect

163 243 28.9198 reflect

164 245 27.2711 reflect

165 247 27.2711 contract inside

166 249 27.2711 contract inside

167 250 27.2711 reflect

168 251 27.2711 reflect

169 253 27.2711 contract inside

170 254 27.2711 reflect

171 255 27.2711 reflect

172 256 27.2711 reflect

173 258 17.4481 reflect

174 260 17.4481 contract inside

175 261 17.4481 reflect

176 262 17.4481 reflect

177 263 17.4481 reflect

178 265 17.4481 contract inside

179 266 17.4481 reflect

180 268 16.776 reflect

181 270 16.776 contract inside

182 272 16.776 contract inside

183 273 16.776 reflect

184 275 16.776 contract inside

185 276 16.776 reflect

186 278 16.776 contract inside

187 280 16.776 contract inside

188 282 16.621 reflect

189 284 16.2785 reflect

190 286 16.2785 contract inside

191 287 16.2785 reflect

192 288 16.2785 reflect

193 290 16.2409 contract inside

194 291 16.2409 reflect

195 293 15.1988 contract inside

196 294 15.1988 reflect

197 295 15.1988 reflect

198 297 15.1988 contract inside

199 299 15.0911 contract inside

200 300 15.0911 reflect

201 302 13.7627 contract inside

202 303 13.7627 reflect

203 305 13.7627 contract inside

204 307 13.7627 contract inside

205 309 11.9563 reflect

206 311 11.9563 contract inside

207 312 11.9563 reflect

208 314 11.9563 contract outside

209 315 11.9563 reflect

210 317 11.9563 contract inside

211 319 11.9563 contract inside

212 321 11.9563 contract outside

213 323 11.9563 contract inside

214 325 11.9563 contract inside

215 327 11.9563 contract inside

216 329 11.9563 contract inside

217 330 11.9563 reflect

218 331 11.9563 reflect

219 333 11.9563 contract inside

220 335 11.9563 contract inside

221 337 11.9563 contract inside

222 338 11.9563 reflect

223 339 11.9563 reflect

224 340 11.9563 reflect

225 342 11.7661 contract inside

226 343 11.7661 reflect

227 344 11.7661 reflect

228 345 11.7661 reflect

229 347 11.6448 contract inside

230 349 11.5944 contract inside

231 351 11.5944 contract inside

232 352 11.5944 reflect

233 354 11.5944 contract inside

234 355 11.5944 reflect

235 356 11.5944 reflect

236 357 11.5944 reflect

237 359 11.5264 contract inside

238 361 11.4888 contract inside

239 363 11.4888 contract inside

240 365 11.4293 contract inside

241 367 11.4264 contract inside

242 369 11.3481 reflect

243 370 11.3481 reflect

244 372 11.3481 contract inside

245 373 11.3481 reflect

246 375 11.2121 contract inside

247 377 10.8196 expand

248 379 10.8196 contract inside

249 380 10.8196 reflect

250 381 10.8196 reflect

251 383 10.8196 contract outside

252 384 10.8196 reflect

253 385 10.8196 reflect

254 386 10.8196 reflect

255 388 10.8196 contract inside

256 390 10.8196 contract inside

257 392 10.8196 contract inside

258 393 10.8196 reflect

259 395 10.8196 contract inside

260 397 10.8196 contract inside

261 399 10.8196 contract inside

262 401 10.8196 contract inside

263 402 10.8196 reflect

264 404 10.8196 contract inside

265 405 10.8196 reflect

266 406 10.8196 reflect

267 408 10.8196 contract inside

268 409 10.8196 reflect

269 410 10.8196 reflect

270 412 10.8196 contract inside

271 413 10.8196 reflect

272 414 10.8196 reflect

273 416 10.8196 contract inside

274 418 10.8196 contract inside

275 419 10.8196 reflect

276 421 10.8196 contract inside

277 422 10.8196 reflect

278 423 10.8196 reflect

279 424 10.8196 reflect

280 426 10.8196 contract inside

281 427 10.8196 reflect

282 429 10.8196 contract inside

283 430 10.8196 reflect

284 431 10.8196 reflect

285 433 10.8196 contract inside

286 435 10.8196 contract inside

287 436 10.8196 reflect

288 438 10.8103 contract inside

289 439 10.8103 reflect

290 441 10.7989 contract inside

291 443 10.7913 contract inside

292 445 10.7414 reflect

293 447 10.7171 reflect

294 448 10.7171 reflect

295 449 10.7171 reflect

296 451 10.7171 contract inside

297 453 10.7171 contract inside

298 455 10.7171 contract inside

299 456 10.7171 reflect

300 457 10.7171 reflect

301 459 10.7171 contract outside

302 461 10.7171 contract inside

303 462 10.7171 reflect

304 463 10.7171 reflect

305 465 10.7096 reflect

306 467 10.6898 reflect

307 468 10.6898 reflect

308 469 10.6898 reflect

309 471 10.6225 expand

310 473 10.6225 contract inside

311 474 10.6225 reflect

312 476 10.6225 contract inside

313 477 10.6225 reflect

314 478 10.6225 reflect

315 479 10.6225 reflect

316 480 10.6225 reflect

317 482 10.6062 expand

318 483 10.6062 reflect

319 484 10.6062 reflect

320 485 10.6062 reflect

321 486 10.6062 reflect

322 487 10.6062 reflect

323 489 10.5331 expand

324 490 10.5331 reflect

325 492 10.5331 contract inside

326 493 10.5331 reflect

327 495 10.5331 contract outside

328 496 10.5331 reflect

329 497 10.5331 reflect

330 498 10.5331 reflect

331 499 10.5331 reflect

332 500 10.5331 reflect

333 502 10.5018 expand

334 504 10.4757 reflect

335 505 10.4757 reflect

336 507 10.4757 contract outside

337 508 10.4757 reflect

338 509 10.4757 reflect

339 510 10.4757 reflect

340 512 10.4708 reflect

341 514 10.4708 contract inside

342 515 10.4708 reflect

343 517 10.4708 contract inside

344 518 10.4708 reflect

345 520 10.4524 reflect

346 521 10.4524 reflect

347 523 10.4524 contract inside

348 525 10.3973 expand

349 526 10.3973 reflect

350 528 10.3973 contract outside

351 529 10.3973 reflect

352 530 10.3973 reflect

353 532 10.3973 contract inside

354 534 10.3973 contract outside

355 535 10.3973 reflect

356 536 10.3973 reflect

357 537 10.3973 reflect

358 538 10.3973 reflect

359 539 10.3973 reflect

360 540 10.3973 reflect

361 541 10.3973 reflect

362 543 10.3973 contract inside

363 544 10.3973 reflect

364 546 10.3705 reflect

365 547 10.3705 reflect

366 549 10.37 contract inside

367 550 10.37 reflect

368 551 10.37 reflect

369 552 10.37 reflect

370 554 10.3658 reflect

371 555 10.3658 reflect

372 557 10.3301 reflect

373 559 10.3301 contract inside

374 560 10.3301 reflect

375 561 10.3301 reflect

376 563 10.2932 expand

377 565 10.2932 contract inside

378 566 10.2932 reflect

379 567 10.2932 reflect

380 569 10.2932 contract inside

381 571 10.2932 contract inside

382 572 10.2932 reflect

383 573 10.2932 reflect

384 574 10.2932 reflect

385 575 10.2932 reflect

386 576 10.2932 reflect

387 577 10.2932 reflect

388 579 10.263 expand

389 581 10.263 contract inside

390 582 10.263 reflect

391 583 10.263 reflect

392 585 10.2291 expand

393 586 10.2291 reflect

394 587 10.2291 reflect

395 588 10.2291 reflect

396 589 10.2291 reflect

397 590 10.2291 reflect

398 591 10.2291 reflect

399 592 10.2291 reflect

400 593 10.2291 reflect

401 595 10.2291 contract inside

402 596 10.2291 reflect

403 597 10.2291 reflect

404 598 10.2291 reflect

405 600 10.1834 expand

406 601 10.1834 reflect

407 603 10.1834 contract inside

408 604 10.1834 reflect

409 606 10.1834 contract inside

410 607 10.1834 reflect

411 608 10.1834 reflect

412 609 10.1834 reflect

413 611 10.1834 contract inside

414 612 10.1834 reflect

415 614 10.1834 contract inside

416 616 10.1665 reflect

417 617 10.1665 reflect

418 618 10.1665 reflect

419 620 10.1512 expand

420 622 10.1361 expand

421 624 10.1361 contract inside

422 625 10.1361 reflect

423 626 10.1361 reflect

424 627 10.1361 reflect

425 628 10.1361 reflect

426 629 10.1361 reflect

427 631 10.0867 expand

428 632 10.0867 reflect

429 633 10.0867 reflect

430 635 10.0867 contract outside

431 637 10.041 expand

432 638 10.041 reflect

433 639 10.041 reflect

434 640 10.041 reflect

435 642 10.041 contract inside

436 643 10.041 reflect

437 645 10.0345 reflect

438 647 10.0345 contract inside

439 648 10.0345 reflect

440 650 10.0345 contract inside

441 651 10.0345 reflect

442 653 10.0345 contract inside

443 655 10.0112 expand

444 656 10.0112 reflect

445 657 10.0112 reflect

446 658 10.0112 reflect

447 660 10.0021 reflect

448 662 10.0021 contract outside

449 663 10.0021 reflect

450 664 10.0021 reflect

451 665 10.0021 reflect

452 667 10.0021 contract inside

453 669 9.96007 expand

454 670 9.96007 reflect

455 671 9.96007 reflect

456 673 9.96007 contract inside

457 674 9.96007 reflect

458 675 9.96007 reflect

459 677 9.96007 contract inside

460 678 9.96007 reflect

461 679 9.96007 reflect

462 681 9.96007 contract inside

463 682 9.96007 reflect

464 684 9.94089 expand

465 685 9.94089 reflect

466 686 9.94089 reflect

467 688 9.92573 expand

468 690 9.92573 contract outside

469 691 9.92573 reflect

470 692 9.92573 reflect

471 693 9.92573 reflect

472 694 9.92573 reflect

473 696 9.87702 expand

474 697 9.87702 reflect

475 698 9.87702 reflect

476 699 9.87702 reflect

477 700 9.87702 reflect

478 702 9.87702 contract inside

479 704 9.87541 reflect

480 706 9.87541 contract inside

481 707 9.87541 reflect

482 708 9.87541 reflect

483 709 9.87541 reflect

484 711 9.84916 expand

485 713 9.84916 contract inside

486 714 9.84916 reflect

487 715 9.84916 reflect

488 716 9.84916 reflect

489 717 9.84916 reflect

490 718 9.84916 reflect

491 719 9.84916 reflect

492 721 9.81369 expand

493 723 9.81369 contract outside

494 724 9.81369 reflect

495 726 9.78874 expand

496 727 9.78874 reflect

497 729 9.78874 contract inside

498 730 9.78874 reflect

499 731 9.78874 reflect

500 732 9.78874 reflect

501 734 9.78874 contract outside

502 735 9.78874 reflect

503 736 9.78874 reflect

504 738 9.78776 reflect

505 740 9.76402 expand

506 741 9.76402 reflect

507 742 9.76402 reflect

508 744 9.76402 contract inside

509 746 9.76402 contract outside

510 748 9.76402 contract inside

511 749 9.76402 reflect

512 751 9.74603 expand

513 752 9.74603 reflect

514 753 9.74603 reflect

515 755 9.74603 contract inside

516 756 9.74603 reflect

517 758 9.74603 contract inside

518 759 9.74603 reflect

519 761 9.74603 contract inside

520 763 9.74603 contract inside

521 764 9.74603 reflect

522 766 9.74466 reflect

523 768 9.73933 reflect

524 769 9.73933 reflect

525 771 9.72244 reflect

526 773 9.72244 contract outside

527 775 9.72244 contract outside

528 777 9.72244 contract inside

529 778 9.72244 reflect

530 779 9.72244 reflect

531 781 9.71582 reflect

532 782 9.71582 reflect

533 783 9.71582 reflect

534 785 9.70898 reflect

535 787 9.70368 reflect

536 789 9.69683 expand

537 790 9.69683 reflect

538 791 9.69683 reflect

539 792 9.69683 reflect

540 794 9.69683 contract inside

541 796 9.69683 contract inside

542 797 9.69683 reflect

543 798 9.69683 reflect

544 800 9.69683 contract inside

545 802 9.69683 contract inside

546 804 9.69683 contract inside

547 806 9.69683 contract inside

548 808 9.69683 contract inside

549 810 9.69442 reflect

550 811 9.69442 reflect

551 813 9.69442 contract inside

552 814 9.69442 reflect

553 816 9.69442 contract inside

554 818 9.69442 contract inside

555 820 9.69423 contract inside

556 822 9.69423 contract inside

557 824 9.69423 contract inside

558 825 9.69423 reflect

559 827 9.69423 contract inside

560 829 9.69361 contract inside

561 831 9.69361 contract inside

562 833 9.69181 contract inside

563 835 9.69181 contract inside

564 837 9.69061 reflect

565 838 9.69061 reflect

566 840 9.69061 contract inside

567 841 9.69061 reflect

568 842 9.69061 reflect

569 843 9.69061 reflect

570 845 9.69061 contract inside

571 847 9.69061 contract inside

572 848 9.69061 reflect

573 850 9.689 expand

574 852 9.68818 reflect

575 854 9.68248 reflect

576 855 9.68248 reflect

577 856 9.68248 reflect

578 857 9.68248 reflect

579 858 9.68248 reflect

580 860 9.68248 contract inside

581 861 9.68248 reflect

582 863 9.68248 contract inside

583 864 9.68248 reflect

584 866 9.68248 contract inside

585 868 9.68185 reflect

586 870 9.68185 contract inside

587 871 9.68185 reflect

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590 876 9.68185 contract inside

591 878 9.68136 reflect

592 880 9.68136 contract inside

593 882 9.68136 contract inside

594 884 9.68136 contract inside

595 886 9.68136 contract inside

596 888 9.68136 contract inside

597 890 9.68136 contract inside

598 891 9.68136 reflect

599 893 9.68136 contract inside

600 895 9.68136 contract inside

601 897 9.68136 contract inside

602 899 9.68136 contract outside

603 901 9.68136 contract inside

604 903 9.68136 contract inside

605 905 9.68075 reflect

606 907 9.68075 contract outside

607 909 9.68075 contract inside

608 910 9.68075 reflect

609 911 9.68075 reflect

610 912 9.68075 reflect

611 913 9.68075 reflect

612 915 9.68075 contract inside

613 916 9.68075 reflect

614 917 9.68075 reflect

615 918 9.68075 reflect

616 920 9.68062 reflect

617 922 9.68062 contract inside

618 923 9.68062 reflect

619 925 9.68062 contract inside

620 927 9.67944 expand

621 929 9.67944 contract inside

622 930 9.67944 reflect

623 931 9.67944 reflect

624 932 9.67944 reflect

625 933 9.67944 reflect

626 935 9.67944 contract inside

627 936 9.67944 reflect

628 938 9.67944 contract inside

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630 941 9.67944 reflect

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637 952 9.67944 reflect

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640 957 9.67944 reflect

641 958 9.67944 reflect

642 960 9.67944 contract inside

643 962 9.67922 reflect

644 963 9.67922 reflect

645 964 9.67922 reflect

646 966 9.67922 contract inside

647 968 9.67909 reflect

648 970 9.67889 reflect

649 971 9.67889 reflect

650 972 9.67889 reflect

651 974 9.67828 expand

652 975 9.67828 reflect

653 976 9.67828 reflect

654 978 9.67828 contract inside

655 980 9.67828 contract inside

656 981 9.67828 reflect

657 982 9.67828 reflect

658 983 9.67828 reflect

659 984 9.67828 reflect

660 985 9.67828 reflect

661 987 9.67828 contract inside

662 989 9.67828 contract inside

663 990 9.67828 reflect

664 991 9.67828 reflect

665 993 9.67822 reflect

666 995 9.6778 expand

667 996 9.6778 reflect

668 997 9.6778 reflect

669 998 9.6778 reflect

670 1000 9.6769 expand

671 1001 9.6769 reflect

672 1002 9.6769 reflect

673 1003 9.6769 reflect

674 1004 9.6769 reflect

675 1005 9.6769 reflect

676 1006 9.6769 reflect

677 1008 9.67674 reflect

678 1009 9.67674 reflect

679 1011 9.67649 expand

680 1012 9.67649 reflect

681 1013 9.67649 reflect

682 1015 9.67569 expand

683 1016 9.67569 reflect

684 1018 9.67445 expand

685 1019 9.67445 reflect

686 1020 9.67445 reflect

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688 1022 9.67445 reflect

689 1023 9.67445 reflect

690 1024 9.67445 reflect

691 1026 9.6729 expand

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696 1032 9.67141 expand

697 1033 9.67141 reflect

698 1034 9.67141 reflect

699 1035 9.67141 reflect

700 1037 9.66924 expand

701 1038 9.66924 reflect

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704 1041 9.66924 reflect

705 1042 9.66924 reflect

706 1044 9.66754 expand

707 1046 9.665 expand

708 1047 9.665 reflect

709 1048 9.665 reflect

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711 1050 9.665 reflect

712 1051 9.665 reflect

713 1053 9.6608 expand

714 1054 9.6608 reflect

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718 1058 9.6608 reflect

719 1060 9.6573 expand

720 1061 9.6573 reflect

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723 1064 9.6573 reflect

724 1066 9.65716 reflect

725 1067 9.65716 reflect

726 1068 9.65716 reflect

727 1070 9.65496 expand

728 1072 9.65321 expand

729 1073 9.65321 reflect

730 1075 9.64728 expand

731 1076 9.64728 reflect

732 1077 9.64728 reflect

733 1078 9.64728 reflect

734 1080 9.6443 expand

735 1081 9.6443 reflect

736 1082 9.6443 reflect

737 1083 9.6443 reflect

738 1084 9.6443 reflect

739 1086 9.63519 expand

740 1088 9.63519 contract outside

741 1089 9.63519 reflect

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745 1093 9.63519 reflect

746 1094 9.63519 reflect

747 1095 9.63519 reflect

748 1097 9.63274 expand

749 1099 9.62562 expand

750 1100 9.62562 reflect

751 1102 9.62113 expand

752 1103 9.62113 reflect

753 1104 9.62113 reflect

754 1105 9.62113 reflect

755 1106 9.62113 reflect

756 1108 9.6177 expand

757 1109 9.6177 reflect

758 1110 9.6177 reflect

759 1111 9.6177 reflect

760 1113 9.61736 reflect

761 1114 9.61736 reflect

762 1116 9.61736 contract inside

763 1118 9.61736 contract inside

764 1119 9.61736 reflect

765 1121 9.61736 contract inside

766 1123 9.61736 contract outside

767 1125 9.61736 contract inside

768 1126 9.61736 reflect

769 1127 9.61736 reflect

770 1128 9.61736 reflect

771 1130 9.61736 contract inside

772 1131 9.61736 reflect

773 1133 9.61736 contract inside

774 1135 9.61736 contract inside

775 1137 9.61736 contract inside

776 1138 9.61736 reflect

777 1140 9.61736 contract inside

778 1142 9.61736 contract inside

779 1144 9.61736 contract inside

780 1146 9.61736 contract inside

781 1148 9.61736 contract inside

782 1150 9.6168 reflect

783 1152 9.6168 contract inside

784 1153 9.6168 reflect

785 1155 9.6168 contract outside

786 1157 9.6168 contract inside

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801 1180 9.6168 reflect

802 1182 9.6168 contract inside

803 1184 9.6168 contract inside

804 1185 9.6168 reflect

805 1186 9.6168 reflect

806 1187 9.6168 reflect

807 1189 9.6165 expand

808 1191 9.6165 contract inside

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817 1201 9.61646 reflect

818 1203 9.61633 reflect

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821 1207 9.61633 reflect

822 1209 9.61603 expand

823 1211 9.61603 contract inside

824 1212 9.61603 reflect

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827 1216 9.61603 contract inside

828 1217 9.61603 reflect

829 1219 9.61603 contract inside

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831 1222 9.61603 contract inside

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833 1225 9.61575 expand

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843 1237 9.61479 expand

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847 1242 9.61422 expand

848 1243 9.61422 reflect

849 1244 9.61422 reflect

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851 1247 9.61358 reflect

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854 1250 9.61358 reflect

855 1252 9.61233 expand

856 1253 9.61233 reflect

857 1254 9.61233 reflect

858 1255 9.61233 reflect

859 1257 9.61129 expand

860 1258 9.61129 reflect

861 1259 9.61129 reflect

862 1261 9.61005 expand

863 1262 9.61005 reflect

864 1263 9.61005 reflect

865 1264 9.61005 reflect

866 1266 9.60988 reflect

867 1267 9.60988 reflect

868 1269 9.60988 contract inside

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884 1298 9.6095 reflect

885 1300 9.6095 contract inside

886 1302 9.60946 reflect

887 1304 9.60946 contract inside

888 1306 9.60946 contract inside

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895 1319 9.60946 reflect

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897 1323 9.60938 reflect

898 1325 9.60929 reflect

899 1327 9.60929 contract inside

900 1329 9.60929 contract inside

901 1330 9.60929 reflect

902 1332 9.60926 reflect

903 1334 9.60924 reflect

904 1336 9.60924 contract inside

905 1338 9.60922 expand

906 1340 9.60911 reflect

907 1342 9.60911 contract inside

908 1344 9.60909 reflect

909 1345 9.60909 reflect

910 1347 9.60907 reflect

911 1349 9.60907 contract inside

912 1351 9.60907 contract inside

913 1353 9.60907 contract outside

914 1354 9.60907 reflect

915 1356 9.60907 contract inside

916 1358 9.60902 reflect

917 1360 9.60902 contract inside

918 1362 9.609 reflect

919 1364 9.60889 expand

920 1365 9.60889 reflect

921 1367 9.60889 contract inside

922 1369 9.60889 contract inside

923 1370 9.60889 reflect

924 1372 9.60878 expand

925 1373 9.60878 reflect

926 1374 9.60878 reflect

927 1375 9.60878 reflect

928 1377 9.60857 expand

929 1379 9.60857 contract inside

930 1380 9.60857 reflect

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939 1390 9.60828 reflect

940 1392 9.60803 expand

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943 1395 9.60803 reflect

944 1396 9.60803 reflect

945 1398 9.60766 expand

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948 1401 9.60766 reflect

949 1403 9.60721 expand

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952 1406 9.60721 reflect

953 1408 9.60668 expand

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957 1412 9.60668 reflect

958 1414 9.60623 expand

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961 1418 9.60585 expand

962 1420 9.60497 expand

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972 1432 9.60271 reflect

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979 1440 9.60106 reflect

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985 1447 9.60017 expand

986 1448 9.60017 reflect

987 1450 9.59924 expand

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990 1453 9.59924 reflect

991 1455 9.59813 expand

992 1456 9.59813 reflect

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1002 1466 9.59813 reflect

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1029 1503 9.58817 expand

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1035 1510 9.58635 expand

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1037 1513 9.58506 reflect

1038 1514 9.58506 reflect

1039 1516 9.58443 reflect

1040 1518 9.58386 reflect

1041 1519 9.58386 reflect

1042 1521 9.58386 contract inside

1043 1523 9.58386 contract inside

1044 1525 9.5805 expand

1045 1526 9.5805 reflect

1046 1527 9.5805 reflect

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1049 1531 9.5805 contract inside

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1051 1533 9.5805 reflect

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1053 1535 9.5805 reflect

1054 1537 9.57997 expand

1055 1539 9.57997 contract inside

1056 1540 9.57997 reflect

1057 1542 9.5782 expand

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1071 1560 9.56906 reflect

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1076 1567 9.56688 expand

1077 1569 9.56219 expand

1078 1570 9.56219 reflect

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1082 1575 9.56219 contract inside

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1090 1585 9.55667 reflect

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1092 1588 9.55667 reflect

1093 1590 9.55667 contract outside

1094 1591 9.55667 reflect

1095 1592 9.55667 reflect

1096 1593 9.55667 reflect

1097 1595 9.55488 expand

1098 1596 9.55488 reflect

1099 1597 9.55488 reflect

1100 1599 9.55488 contract inside

1101 1601 9.55488 contract inside

1102 1602 9.55488 reflect

1103 1603 9.55488 reflect

1104 1604 9.55488 reflect

1105 1605 9.55488 reflect

1106 1606 9.55488 reflect

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1108 1609 9.55252 reflect

1109 1610 9.55252 reflect

1110 1612 9.55252 contract inside

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1112 1614 9.55252 reflect

1113 1616 9.55252 contract outside

1114 1618 9.54949 expand

1115 1619 9.54949 reflect

1116 1621 9.54949 contract inside

1117 1622 9.54949 reflect

1118 1623 9.54949 reflect

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1121 1627 9.54903 reflect

1122 1629 9.54859 contract inside

1123 1631 9.54859 contract outside

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1126 1635 9.54378 expand

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1137 1648 9.54378 contract inside

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1141 1654 9.54378 contract inside

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1143 1656 9.54378 reflect

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1145 1660 9.54034 contract inside

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1159 1680 9.53983 reflect

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1161 1684 9.53815 expand

1162 1685 9.53815 reflect

1163 1686 9.53815 reflect

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1165 1690 9.53815 contract outside

1166 1691 9.53815 reflect

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1171 1697 9.53762 reflect

1172 1699 9.53602 expand

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1177 1705 9.53602 reflect

1178 1706 9.53602 reflect

1179 1708 9.53602 contract inside

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1184 1713 9.53602 reflect

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1186 1717 9.53602 contract inside

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1191 1724 9.53435 reflect

1192 1725 9.53435 reflect

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1194 1729 9.53411 contract inside

1195 1730 9.53411 reflect

1196 1732 9.53411 contract inside

1197 1733 9.53411 reflect

1198 1735 9.53411 contract inside

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1201 1740 9.53387 contract inside

1202 1741 9.53387 reflect

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1205 1745 9.53387 contract inside

1206 1747 9.53387 contract inside

1207 1748 9.53387 reflect

1208 1749 9.53387 reflect

1209 1751 9.53387 contract inside

1210 1753 9.53387 contract outside

1211 1755 9.53325 expand

1212 1757 9.53325 contract inside

1213 1758 9.53325 reflect

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1216 1761 9.53325 reflect

1217 1762 9.53325 reflect

1218 1763 9.53325 reflect

1219 1765 9.53325 contract inside

1220 1767 9.53291 expand

1221 1768 9.53291 reflect

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1223 1771 9.53277 reflect

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1227 1776 9.53243 reflect

1228 1777 9.53243 reflect

1229 1779 9.53188 expand

1230 1780 9.53188 reflect

1231 1782 9.53188 contract inside

1232 1783 9.53188 reflect

1233 1785 9.53188 contract inside

1234 1787 9.53188 contract inside

1235 1788 9.53188 reflect

1236 1790 9.53185 reflect

1237 1792 9.53109 expand

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1241 1796 9.53109 reflect

1242 1797 9.53109 reflect

1243 1799 9.53109 contract inside

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1246 1803 9.53103 reflect

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1252 1810 9.53028 reflect

1253 1812 9.53028 contract inside

1254 1813 9.53028 reflect

1255 1814 9.53028 reflect

1256 1816 9.52952 expand

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1259 1819 9.52952 reflect

1260 1821 9.52952 contract inside

1261 1823 9.52952 contract inside

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1269 1832 9.52943 reflect

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1271 1836 9.5284 expand

1272 1837 9.5284 reflect

1273 1838 9.5284 reflect

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1275 1842 9.5284 contract inside

1276 1844 9.5284 contract inside

1277 1846 9.5284 contract outside

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1281 1851 9.5284 reflect

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1284 1854 9.5284 reflect

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1286 1857 9.52807 reflect

1287 1858 9.52807 reflect

1288 1859 9.52807 reflect

1289 1861 9.52784 reflect

1290 1862 9.52784 reflect

1291 1864 9.52734 expand

1292 1865 9.52734 reflect

1293 1867 9.52734 contract inside

1294 1868 9.52734 reflect

1295 1870 9.52734 contract inside

1296 1871 9.52734 reflect

1297 1872 9.52734 reflect

1298 1873 9.52734 reflect

1299 1874 9.52734 reflect

1300 1876 9.52723 reflect

1301 1877 9.52723 reflect

1302 1878 9.52723 reflect

1303 1880 9.52708 reflect

1304 1881 9.52708 reflect

1305 1883 9.52645 expand

1306 1884 9.52645 reflect

1307 1885 9.52645 reflect

1308 1886 9.52645 reflect

1309 1887 9.52645 reflect

1310 1889 9.52607 expand

1311 1890 9.52607 reflect

1312 1891 9.52607 reflect

1313 1892 9.52607 reflect

1314 1893 9.52607 reflect

1315 1894 9.52607 reflect

1316 1896 9.52607 contract inside

1317 1898 9.52603 reflect

1318 1899 9.52603 reflect

1319 1901 9.52563 expand

1320 1902 9.52563 reflect

1321 1904 9.52563 contract inside

1322 1905 9.52563 reflect

1323 1906 9.52563 reflect

1324 1907 9.52563 reflect

1325 1909 9.52556 reflect

1326 1910 9.52556 reflect

1327 1912 9.52553 reflect

1328 1913 9.52553 reflect

1329 1915 9.52553 contract inside

1330 1917 9.52481 expand

1331 1918 9.52481 reflect

1332 1919 9.52481 reflect

1333 1920 9.52481 reflect

1334 1921 9.52481 reflect

1335 1923 9.52481 reflect

1336 1924 9.52481 reflect

1337 1926 9.52433 expand

1338 1927 9.52433 reflect

1339 1929 9.52433 contract inside

1340 1930 9.52433 reflect

1341 1931 9.52433 reflect

1342 1932 9.52433 reflect

1343 1934 9.52433 contract inside

1344 1935 9.52433 reflect

1345 1937 9.52398 reflect

1346 1938 9.52398 reflect

1347 1940 9.52398 contract inside

1348 1942 9.52398 contract inside

1349 1944 9.52398 contract inside

1350 1945 9.52398 reflect

1351 1947 9.52363 expand

1352 1948 9.52363 reflect

1353 1949 9.52363 reflect

1354 1950 9.52363 reflect

1355 1951 9.52363 reflect

1356 1952 9.52363 reflect

1357 1953 9.52363 reflect

1358 1954 9.52363 reflect

1359 1955 9.52363 reflect

1360 1956 9.52363 reflect

1361 1957 9.52363 reflect

1362 1959 9.52316 reflect

1363 1961 9.52316 contract outside

1364 1962 9.52316 reflect

1365 1963 9.52316 reflect

1366 1965 9.52316 contract outside

1367 1966 9.52316 reflect

1368 1967 9.52316 reflect

1369 1968 9.52316 reflect

1370 1970 9.52316 contract outside

1371 1971 9.52316 reflect

1372 1973 9.52316 contract inside

1373 1975 9.52294 reflect

1374 1977 9.52294 contract inside

1375 1979 9.52252 expand

1376 1980 9.52252 reflect

1377 1982 9.52252 contract inside

1378 1983 9.52252 reflect

1379 1984 9.52252 reflect

1380 1985 9.52252 reflect

1381 1986 9.52252 reflect

1382 1987 9.52252 reflect

1383 1989 9.52252 contract inside

1384 1990 9.52252 reflect

1385 1992 9.52248 reflect

1386 1993 9.52248 reflect

1387 1994 9.52248 reflect

1388 1996 9.52233 reflect

1389 1998 9.52233 contract inside

1390 1999 9.52233 reflect

1391 2001 9.52202 expand

1392 2002 9.52202 reflect

1393 2003 9.52202 reflect

1394 2005 9.52183 expand

1395 2007 9.52183 contract inside

1396 2008 9.52183 reflect

1397 2009 9.52183 reflect

1398 2011 9.52136 expand

1399 2012 9.52136 reflect

1400 2013 9.52136 reflect

1401 2014 9.52136 reflect

1402 2015 9.52136 reflect

1403 2017 9.52126 reflect

1404 2018 9.52126 reflect

1405 2019 9.52126 reflect

1406 2020 9.52126 reflect

1407 2022 9.52049 expand

1408 2024 9.52049 contract inside

1409 2025 9.52049 reflect

1410 2026 9.52049 reflect

1411 2027 9.52049 reflect

1412 2028 9.52049 reflect

1413 2029 9.52049 reflect

1414 2031 9.52024 expand

1415 2032 9.52024 reflect

1416 2033 9.52024 reflect

1417 2035 9.52003 reflect

1418 2037 9.51911 expand

1419 2038 9.51911 reflect

1420 2039 9.51911 reflect

1421 2040 9.51911 reflect

1422 2041 9.51911 reflect

1423 2043 9.51911 contract inside

1424 2044 9.51911 reflect

1425 2045 9.51911 reflect

1426 2046 9.51911 reflect

1427 2048 9.51911 contract inside

1428 2050 9.51858 expand

1429 2051 9.51858 reflect

1430 2052 9.51858 reflect

1431 2053 9.51858 reflect

1432 2055 9.51844 reflect

1433 2057 9.51844 contract inside

1434 2058 9.51844 reflect

1435 2059 9.51844 reflect

1436 2060 9.51844 reflect

1437 2062 9.51801 reflect

1438 2064 9.51801 contract inside

1439 2066 9.51801 contract inside

1440 2068 9.51744 expand

1441 2069 9.51744 reflect

1442 2070 9.51744 reflect

1443 2071 9.51744 reflect

1444 2072 9.51744 reflect

1445 2073 9.51744 reflect

1446 2074 9.51744 reflect

1447 2075 9.51744 reflect

1448 2076 9.51744 reflect

1449 2077 9.51744 reflect

1450 2079 9.51715 expand

1451 2080 9.51715 reflect

1452 2081 9.51715 reflect

1453 2082 9.51715 reflect

1454 2083 9.51715 reflect

1455 2085 9.51715 contract inside

1456 2086 9.51715 reflect

1457 2088 9.51715 contract inside

1458 2090 9.51686 reflect

1459 2091 9.51686 reflect

1460 2092 9.51686 reflect

1461 2094 9.51656 reflect

1462 2095 9.51656 reflect

1463 2097 9.51656 contract inside

1464 2099 9.51633 reflect

1465 2100 9.51633 reflect

1466 2101 9.51633 reflect

1467 2102 9.51633 reflect

1468 2103 9.51633 reflect

1469 2105 9.51605 reflect

1470 2106 9.51605 reflect

1471 2107 9.51605 reflect

1472 2109 9.51605 contract inside

1473 2110 9.51605 reflect

1474 2112 9.51605 contract inside

1475 2114 9.51573 reflect

1476 2115 9.51573 reflect

1477 2116 9.51573 reflect

1478 2117 9.51573 reflect

1479 2118 9.51573 reflect

1480 2119 9.51573 reflect

1481 2120 9.51573 reflect

1482 2121 9.51573 reflect

1483 2123 9.5154 expand

1484 2124 9.5154 reflect

1485 2125 9.5154 reflect

1486 2127 9.5154 contract inside

1487 2129 9.51501 expand

1488 2130 9.51501 reflect

1489 2132 9.51457 expand

1490 2134 9.51457 contract inside

1491 2135 9.51457 reflect

1492 2136 9.51457 reflect

1493 2137 9.51457 reflect

1494 2139 9.51457 contract inside

1495 2140 9.51457 reflect

1496 2141 9.51457 reflect

1497 2143 9.51393 expand

1498 2144 9.51393 reflect

1499 2145 9.51393 reflect

1500 2146 9.51393 reflect

1501 2147 9.51393 reflect

1502 2148 9.51393 reflect

1503 2150 9.51393 contract inside

1504 2151 9.51393 reflect

1505 2153 9.51368 reflect

1506 2154 9.51368 reflect

1507 2156 9.51359 expand

1508 2158 9.51359 contract inside

1509 2160 9.51354 expand

1510 2161 9.51354 reflect

1511 2163 9.51337 reflect

1512 2165 9.51322 reflect

1513 2167 9.51313 reflect

1514 2168 9.51313 reflect

1515 2169 9.51313 reflect

1516 2171 9.51272 reflect

1517 2173 9.51254 reflect

1518 2174 9.51254 reflect

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1520 2176 9.51254 reflect

1521 2178 9.5122 reflect

1522 2179 9.5122 reflect

1523 2180 9.5122 reflect

1524 2181 9.5122 reflect

1525 2183 9.5122 contract inside

1526 2184 9.5122 reflect

1527 2185 9.5122 reflect

1528 2186 9.5122 reflect

1529 2188 9.5122 contract inside

1530 2190 9.51177 expand

1531 2192 9.51177 contract inside

1532 2194 9.51177 contract inside

1533 2195 9.51177 reflect

1534 2196 9.51177 reflect

1535 2198 9.51177 contract inside

1536 2199 9.51177 reflect

1537 2200 9.51177 reflect

1538 2201 9.51177 reflect

1539 2203 9.51177 contract inside

1540 2205 9.51158 reflect

1541 2207 9.51104 expand

1542 2208 9.51104 reflect

1543 2209 9.51104 reflect

1544 2210 9.51104 reflect

1545 2212 9.51104 contract inside

1546 2214 9.51104 contract inside

1547 2216 9.51039 expand

1548 2217 9.51039 reflect

1549 2218 9.51039 reflect

1550 2219 9.51039 reflect

1551 2220 9.51039 reflect

1552 2221 9.51039 reflect

1553 2222 9.51039 reflect

1554 2224 9.50946 expand

1555 2225 9.50946 reflect

1556 2226 9.50946 reflect

1557 2227 9.50946 reflect

1558 2228 9.50946 reflect

1559 2229 9.50946 reflect

1560 2231 9.50901 expand

1561 2232 9.50901 reflect

1562 2233 9.50901 reflect

1563 2234 9.50901 reflect

1564 2235 9.50901 reflect

1565 2236 9.50901 reflect

1566 2238 9.50848 reflect

1567 2240 9.50825 reflect

1568 2241 9.50825 reflect

1569 2242 9.50825 reflect

1570 2244 9.50753 expand

1571 2245 9.50753 reflect

1572 2246 9.50753 reflect

1573 2247 9.50753 reflect

1574 2248 9.50753 reflect

1575 2250 9.50753 contract inside

1576 2251 9.50753 reflect

1577 2252 9.50753 reflect

1578 2253 9.50753 reflect

1579 2254 9.50753 reflect

1580 2256 9.50753 contract inside

1581 2258 9.50753 contract outside

1582 2260 9.50683 expand

1583 2261 9.50683 reflect

1584 2262 9.50683 reflect

1585 2263 9.50683 reflect

1586 2264 9.50683 reflect

1587 2265 9.50683 reflect

1588 2267 9.5064 reflect

1589 2268 9.5064 reflect

1590 2269 9.5064 reflect

1591 2270 9.5064 reflect

1592 2272 9.50582 expand

1593 2273 9.50582 reflect

1594 2274 9.50582 reflect

1595 2275 9.50582 reflect

1596 2277 9.5049 expand

1597 2279 9.5049 contract inside

1598 2280 9.5049 reflect

1599 2282 9.5049 contract inside

1600 2283 9.5049 reflect

1601 2284 9.5049 reflect

1602 2285 9.5049 reflect

1603 2286 9.5049 reflect

1604 2288 9.5049 contract inside

1605 2289 9.5049 reflect

1606 2290 9.5049 reflect

1607 2291 9.5049 reflect

1608 2292 9.5049 reflect

1609 2293 9.5049 reflect

1610 2295 9.5049 contract inside

1611 2297 9.5044 expand

1612 2299 9.50411 expand

1613 2300 9.50411 reflect

1614 2301 9.50411 reflect

1615 2303 9.50306 expand

1616 2304 9.50306 reflect

1617 2305 9.50306 reflect

1618 2307 9.50306 contract inside

1619 2308 9.50306 reflect

1620 2310 9.50306 contract inside

1621 2312 9.50306 contract inside

1622 2313 9.50306 reflect

1623 2314 9.50306 reflect

1624 2315 9.50306 reflect

1625 2317 9.50258 expand

1626 2318 9.50258 reflect

1627 2320 9.50176 expand

1628 2322 9.50176 contract inside

1629 2323 9.50176 reflect

1630 2324 9.50176 reflect

1631 2325 9.50176 reflect

1632 2326 9.50176 reflect

1633 2328 9.50176 contract inside

1634 2330 9.50083 expand

1635 2331 9.50083 reflect

1636 2332 9.50083 reflect

1637 2334 9.50083 contract inside

1638 2335 9.50083 reflect

1639 2336 9.50083 reflect

1640 2337 9.50083 reflect

1641 2338 9.50083 reflect

1642 2340 9.50033 reflect

1643 2342 9.50001 reflect

1644 2343 9.50001 reflect

1645 2344 9.50001 reflect

1646 2345 9.50001 reflect

1647 2347 9.5 reflect

1648 2349 9.5 contract inside

1649 2350 9.5 reflect

1650 2352 9.5 contract inside

1651 2354 9.49917 expand

1652 2356 9.49917 contract outside

1653 2357 9.49917 reflect

1654 2358 9.49917 reflect

1655 2360 9.49862 expand

1656 2361 9.49862 reflect

1657 2362 9.49862 reflect

1658 2363 9.49862 reflect

1659 2365 9.49776 expand

1660 2366 9.49776 reflect

1661 2367 9.49776 reflect

1662 2368 9.49776 reflect

1663 2369 9.49776 reflect

1664 2371 9.49683 expand

1665 2372 9.49683 reflect

1666 2374 9.4957 expand

1667 2375 9.4957 reflect

1668 2376 9.4957 reflect

1669 2377 9.4957 reflect

1670 2378 9.4957 reflect

1671 2380 9.4957 contract inside

1672 2381 9.4957 reflect

1673 2382 9.4957 reflect

1674 2384 9.4957 contract outside

1675 2385 9.4957 reflect

1676 2387 9.49503 expand

1677 2388 9.49503 reflect

1678 2389 9.49503 reflect

1679 2391 9.49503 contract inside

1680 2393 9.49503 contract inside

1681 2395 9.49437 expand

1682 2396 9.49437 reflect

1683 2397 9.49437 reflect

1684 2398 9.49437 reflect

1685 2400 9.493 expand

1686 2401 9.493 reflect

1687 2402 9.493 reflect

1688 2404 9.493 contract inside

1689 2405 9.493 reflect

1690 2407 9.49168 expand

1691 2408 9.49168 reflect

1692 2409 9.49168 reflect

1693 2410 9.49168 reflect

1694 2411 9.49168 reflect

1695 2413 9.49168 contract inside

1696 2414 9.49168 reflect

1697 2415 9.49168 reflect

1698 2416 9.49168 reflect

1699 2418 9.49168 contract inside

1700 2420 9.48941 expand

1701 2421 9.48941 reflect

1702 2422 9.48941 reflect

1703 2423 9.48941 reflect

1704 2424 9.48941 reflect

1705 2425 9.48941 reflect

1706 2426 9.48941 reflect

1707 2427 9.48941 reflect

1708 2428 9.48941 reflect

1709 2429 9.48941 reflect

1710 2431 9.48941 contract inside

1711 2432 9.48941 reflect

1712 2434 9.48926 reflect

1713 2436 9.48895 reflect

1714 2437 9.48895 reflect

1715 2438 9.48895 reflect

1716 2440 9.48895 contract inside

1717 2442 9.48791 reflect

1718 2443 9.48791 reflect

1719 2445 9.48791 contract inside

1720 2446 9.48791 reflect

1721 2448 9.48753 expand

1722 2450 9.48748 reflect

1723 2451 9.48748 reflect

1724 2452 9.48748 reflect

1725 2453 9.48748 reflect

1726 2455 9.4864 reflect

1727 2457 9.4864 contract inside

1728 2458 9.4864 reflect

1729 2460 9.48615 reflect

1730 2461 9.48615 reflect

1731 2463 9.48615 contract inside

1732 2464 9.48615 reflect

1733 2466 9.48615 contract inside

1734 2468 9.48615 contract inside

1735 2469 9.48615 reflect

1736 2470 9.48615 reflect

1737 2471 9.48615 reflect

1738 2473 9.48615 contract inside

1739 2475 9.48615 contract inside

1740 2476 9.48615 reflect

1741 2478 9.48598 reflect

1742 2479 9.48598 reflect

1743 2480 9.48598 reflect

1744 2481 9.48598 reflect

1745 2483 9.48598 contract inside

1746 2485 9.48555 reflect

1747 2487 9.48555 contract inside

1748 2488 9.48555 reflect

1749 2489 9.48555 reflect

1750 2491 9.48551 reflect

1751 2492 9.48551 reflect

1752 2493 9.48551 reflect

1753 2494 9.48551 reflect

1754 2496 9.48471 expand

1755 2497 9.48471 reflect

1756 2499 9.48471 contract inside

1757 2500 9.48471 reflect

1758 2501 9.48471 reflect

1759 2503 9.48467 reflect

1760 2505 9.48467 contract inside

1761 2506 9.48467 reflect

1762 2507 9.48467 reflect

1763 2509 9.48401 expand

1764 2510 9.48401 reflect

1765 2511 9.48401 reflect

1766 2513 9.48328 expand

1767 2514 9.48328 reflect

1768 2515 9.48328 reflect

1769 2517 9.48328 contract outside

1770 2518 9.48328 reflect

1771 2519 9.48328 reflect

1772 2520 9.48328 reflect

1773 2522 9.483 reflect

1774 2524 9.48264 expand

1775 2525 9.48264 reflect

1776 2527 9.48264 contract inside

1777 2528 9.48264 reflect

1778 2530 9.4824 expand

1779 2531 9.4824 reflect

1780 2533 9.48235 reflect

1781 2534 9.48235 reflect

1782 2536 9.48109 expand

1783 2537 9.48109 reflect

1784 2538 9.48109 reflect

1785 2540 9.48109 contract inside

1786 2541 9.48109 reflect

1787 2543 9.48102 reflect

1788 2545 9.48102 contract inside

1789 2547 9.48102 contract inside

1790 2549 9.48084 expand

1791 2550 9.48084 reflect

1792 2552 9.48035 reflect

1793 2554 9.48005 reflect

1794 2556 9.48005 contract inside

1795 2557 9.48005 reflect

1796 2558 9.48005 reflect

1797 2559 9.48005 reflect

1798 2561 9.47986 reflect

1799 2563 9.47917 reflect

1800 2564 9.47917 reflect

1801 2566 9.4785 expand

1802 2567 9.4785 reflect

1803 2568 9.4785 reflect

1804 2569 9.4785 reflect

1805 2571 9.4785 contract inside

1806 2572 9.4785 reflect

1807 2574 9.4785 contract inside

1808 2575 9.4785 reflect

1809 2576 9.4785 reflect

1810 2578 9.4785 contract inside

1811 2579 9.4785 reflect

1812 2581 9.47778 expand

1813 2582 9.47778 reflect

1814 2584 9.47633 expand

1815 2586 9.47633 contract outside

1816 2587 9.47633 reflect

1817 2588 9.47633 reflect

1818 2589 9.47633 reflect

1819 2590 9.47633 reflect

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1821 2592 9.47633 reflect

1822 2593 9.47633 reflect

1823 2594 9.47633 reflect

1824 2596 9.47473 expand

1825 2597 9.47473 reflect

1826 2598 9.47473 reflect

1827 2600 9.47473 contract outside

1828 2601 9.47473 reflect

1829 2602 9.47473 reflect

1830 2603 9.47473 reflect

1831 2605 9.47356 expand

1832 2606 9.47356 reflect

1833 2608 9.47356 contract outside

1834 2609 9.47356 reflect

1835 2610 9.47356 reflect

1836 2612 9.47278 expand

1837 2613 9.47278 reflect

1838 2614 9.47278 reflect

1839 2616 9.47278 contract inside

1840 2617 9.47278 reflect

1841 2619 9.47278 contract outside

1842 2620 9.47278 reflect

1843 2621 9.47278 reflect

1844 2622 9.47278 reflect

1845 2623 9.47278 reflect

1846 2624 9.47278 reflect

1847 2625 9.47278 reflect

1848 2627 9.47216 expand

1849 2629 9.47055 expand

1850 2630 9.47055 reflect

1851 2631 9.47055 reflect

1852 2633 9.47055 contract inside

1853 2634 9.47055 reflect

1854 2635 9.47055 reflect

1855 2637 9.46911 expand

1856 2638 9.46911 reflect

1857 2639 9.46911 reflect

1858 2640 9.46911 reflect

1859 2641 9.46911 reflect

1860 2642 9.46911 reflect

1861 2643 9.46911 reflect

1862 2644 9.46911 reflect

1863 2646 9.46911 contract inside

1864 2647 9.46911 reflect

1865 2649 9.46881 reflect

1866 2650 9.46881 reflect

1867 2652 9.46827 reflect

1868 2653 9.46827 reflect

1869 2655 9.4665 expand

1870 2656 9.4665 reflect

1871 2657 9.4665 reflect

1872 2658 9.4665 reflect

1873 2660 9.4665 contract inside

1874 2661 9.4665 reflect

1875 2662 9.4665 reflect

1876 2663 9.4665 reflect

1877 2664 9.4665 reflect

1878 2666 9.46623 reflect

1879 2668 9.46476 expand

1880 2669 9.46476 reflect

1881 2670 9.46476 reflect

1882 2672 9.46476 contract inside

1883 2673 9.46476 reflect

1884 2675 9.46476 contract outside

1885 2677 9.46476 contract inside

1886 2678 9.46476 reflect

1887 2680 9.46476 contract outside

1888 2682 9.46342 expand

1889 2683 9.46342 reflect

1890 2684 9.46342 reflect

1891 2685 9.46342 reflect

1892 2686 9.46342 reflect

1893 2687 9.46342 reflect

1894 2688 9.46342 reflect

1895 2689 9.46342 reflect

1896 2691 9.46184 expand

1897 2692 9.46184 reflect

1898 2694 9.46184 contract outside

1899 2695 9.46184 reflect

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1901 2697 9.46184 reflect

1902 2699 9.46077 expand

1903 2700 9.46077 reflect

1904 2701 9.46077 reflect

1905 2703 9.45894 expand

1906 2704 9.45894 reflect

1907 2706 9.45894 contract inside

1908 2708 9.45894 contract inside

1909 2710 9.45665 expand

1910 2711 9.45665 reflect

1911 2712 9.45665 reflect

1912 2713 9.45665 reflect

1913 2714 9.45665 reflect

1914 2715 9.45665 reflect

1915 2716 9.45665 reflect

1916 2717 9.45665 reflect

1917 2719 9.45511 expand

1918 2720 9.45511 reflect

1919 2721 9.45511 reflect

1920 2722 9.45511 reflect

1921 2723 9.45511 reflect

1922 2724 9.45511 reflect

1923 2726 9.45423 reflect

1924 2728 9.45261 expand

1925 2729 9.45261 reflect

1926 2730 9.45261 reflect

1927 2732 9.45261 contract inside

1928 2734 9.45261 contract inside

1929 2736 9.45258 reflect

1930 2738 9.45258 contract inside

1931 2740 9.45258 contract inside

1932 2741 9.45258 reflect

1933 2743 9.45225 reflect

1934 2744 9.45225 reflect

1935 2745 9.45225 reflect

1936 2747 9.44775 expand

1937 2748 9.44775 reflect

1938 2749 9.44775 reflect

1939 2750 9.44775 reflect

1940 2751 9.44775 reflect

1941 2752 9.44775 reflect

1942 2753 9.44775 reflect

1943 2755 9.44775 contract inside

1944 2756 9.44775 reflect

1945 2757 9.44775 reflect

1946 2759 9.44682 reflect

1947 2761 9.44682 contract inside

1948 2762 9.44682 reflect

1949 2764 9.44682 contract inside

1950 2766 9.44682 contract inside

1951 2767 9.44682 reflect

1952 2768 9.44682 reflect

1953 2770 9.44682 contract outside

1954 2772 9.44578 expand

1955 2773 9.44578 reflect

1956 2774 9.44578 reflect

1957 2776 9.44372 expand

1958 2778 9.44372 contract inside

1959 2779 9.44372 reflect

1960 2781 9.44198 expand

1961 2782 9.44198 reflect

1962 2783 9.44198 reflect

1963 2784 9.44198 reflect

1964 2786 9.44066 expand

1965 2787 9.44066 reflect

1966 2788 9.44066 reflect

1967 2789 9.44066 reflect

1968 2790 9.44066 reflect

1969 2791 9.44066 reflect

1970 2793 9.43572 expand

1971 2794 9.43572 reflect

1972 2796 9.43572 contract outside

1973 2797 9.43572 reflect

1974 2799 9.43572 contract outside

1975 2800 9.43572 reflect

1976 2801 9.43572 reflect

1977 2802 9.43572 reflect

1978 2803 9.43572 reflect

1979 2804 9.43572 reflect

1980 2806 9.43535 reflect

1981 2808 9.43535 contract inside

1982 2810 9.43535 contract inside

1983 2811 9.43535 reflect

1984 2812 9.43535 reflect

1985 2813 9.43535 reflect

1986 2814 9.43535 reflect

1987 2816 9.43133 expand

1988 2817 9.43133 reflect

1989 2818 9.43133 reflect

1990 2820 9.43133 contract inside

1991 2821 9.43133 reflect

1992 2823 9.43133 contract inside

1993 2824 9.43133 reflect

1994 2825 9.43133 reflect

1995 2827 9.43133 contract inside

1996 2828 9.43133 reflect

1997 2829 9.43133 reflect

1998 2830 9.43133 reflect

1999 2831 9.43133 reflect

2000 2832 9.43133 reflect

2001 2834 9.42819 expand

2002 2836 9.42819 contract inside

2003 2837 9.42819 reflect

2004 2838 9.42819 reflect

2005 2839 9.42819 reflect

2006 2840 9.42819 reflect

2007 2841 9.42819 reflect

2008 2842 9.42819 reflect

2009 2844 9.42819 contract inside

2010 2845 9.42819 reflect

2011 2846 9.42819 reflect

2012 2848 9.42819 contract inside

2013 2850 9.42819 contract inside

2014 2851 9.42819 reflect

2015 2852 9.42819 reflect

2016 2853 9.42819 reflect

2017 2854 9.42819 reflect

2018 2856 9.42819 contract inside

2019 2858 9.42819 contract inside

2020 2860 9.42756 expand

2021 2861 9.42756 reflect

2022 2863 9.42756 contract inside

2023 2864 9.42756 reflect

2024 2866 9.42756 contract inside

2025 2868 9.42756 contract inside

2026 2870 9.42756 contract inside

2027 2872 9.42756 contract inside

2028 2874 9.42756 contract inside

2029 2875 9.42756 reflect

2030 2876 9.42756 reflect

2031 2878 9.42756 contract inside

2032 2880 9.42732 reflect

2033 2881 9.42732 reflect

2034 2883 9.42732 contract inside

2035 2885 9.42732 contract inside

2036 2887 9.42713 reflect

2037 2889 9.42713 contract inside

2038 2890 9.42713 reflect

2039 2891 9.42713 reflect

2040 2893 9.42694 expand

2041 2894 9.42694 reflect

2042 2895 9.42694 reflect

2043 2896 9.42694 reflect

2044 2897 9.42694 reflect

2045 2899 9.42694 contract inside

2046 2901 9.42627 expand

2047 2902 9.42627 reflect

2048 2903 9.42627 reflect

2049 2904 9.42627 reflect

2050 2906 9.42627 contract inside

2051 2908 9.42627 contract outside

2052 2910 9.42542 expand

2053 2911 9.42542 reflect

2054 2912 9.42542 reflect

2055 2913 9.42542 reflect

2056 2914 9.42542 reflect

2057 2915 9.42542 reflect

2058 2916 9.42542 reflect

2059 2918 9.42448 expand

2060 2919 9.42448 reflect

2061 2920 9.42448 reflect

2062 2921 9.42448 reflect

2063 2922 9.42448 reflect

2064 2923 9.42448 reflect

2065 2925 9.4241 reflect

2066 2926 9.4241 reflect

2067 2928 9.42366 expand

2068 2929 9.42366 reflect

2069 2931 9.42307 expand

2070 2932 9.42307 reflect

2071 2933 9.42307 reflect

2072 2935 9.42307 contract inside

2073 2936 9.42307 reflect

2074 2938 9.42298 reflect

2075 2940 9.42193 expand

2076 2942 9.42136 expand

2077 2943 9.42136 reflect

2078 2944 9.42136 reflect

2079 2945 9.42136 reflect

2080 2946 9.42136 reflect

2081 2947 9.42136 reflect

2082 2948 9.42136 reflect

2083 2949 9.42136 reflect

2084 2950 9.42136 reflect

2085 2951 9.42136 reflect

2086 2953 9.42097 reflect

2087 2955 9.41983 reflect

2088 2956 9.41983 reflect

2089 2957 9.41983 reflect

2090 2959 9.41983 contract inside

2091 2961 9.41919 expand

2092 2962 9.41919 reflect

2093 2963 9.41919 reflect

2094 2965 9.41907 reflect

2095 2966 9.41907 reflect

2096 2968 9.41887 reflect

2097 2969 9.41887 reflect

2098 2971 9.41887 contract inside

2099 2972 9.41887 reflect

2100 2973 9.41887 reflect

2101 2975 9.41825 reflect

2102 2976 9.41825 reflect

2103 2978 9.41717 expand

2104 2979 9.41717 reflect

2105 2980 9.41717 reflect

2106 2982 9.41696 reflect

2107 2984 9.41664 expand

2108 2985 9.41664 reflect

2109 2987 9.41664 contract inside

2110 2989 9.41551 expand

2111 2990 9.41551 reflect

2112 2991 9.41551 reflect

2113 2992 9.41551 reflect

2114 2994 9.41551 contract inside

2115 2996 9.4154 contract inside

2116 2997 9.4154 reflect

2117 2999 9.4123 expand

2118 3000 9.4123 reflect

2119 3001 9.4123 reflect

2120 3002 9.4123 reflect

2121 3003 9.4123 reflect

2122 3004 9.4123 reflect

2123 3005 9.4123 reflect

2124 3006 9.4123 reflect

2125 3008 9.4123 contract inside

2126 3009 9.4123 reflect

2127 3010 9.4123 reflect

2128 3012 9.4123 contract outside

2129 3014 9.41097 reflect

2130 3015 9.41097 reflect

2131 3017 9.41097 contract inside

2132 3018 9.41097 reflect

2133 3019 9.41097 reflect

2134 3020 9.41097 reflect

2135 3021 9.41097 reflect

2136 3023 9.40986 expand

2137 3024 9.40986 reflect

2138 3026 9.40986 contract inside

2139 3027 9.40986 reflect

2140 3029 9.4075 expand

2141 3030 9.4075 reflect

2142 3032 9.4075 contract inside

2143 3034 9.4075 contract inside

2144 3035 9.4075 reflect

2145 3036 9.4075 reflect

2146 3037 9.4075 reflect

2147 3039 9.40744 reflect

2148 3041 9.40554 expand

2149 3042 9.40554 reflect

2150 3043 9.40554 reflect

2151 3045 9.40554 contract inside

2152 3047 9.40554 contract inside

2153 3048 9.40554 reflect

2154 3049 9.40554 reflect

2155 3050 9.40554 reflect

2156 3052 9.40509 reflect

2157 3054 9.40368 expand

2158 3055 9.40368 reflect

2159 3056 9.40368 reflect

2160 3057 9.40368 reflect

2161 3058 9.40368 reflect

2162 3060 9.40321 expand

2163 3061 9.40321 reflect

2164 3063 9.40314 reflect

2165 3065 9.40314 contract inside

2166 3067 9.4017 reflect

2167 3069 9.40093 expand

2168 3070 9.40093 reflect

2169 3071 9.40093 reflect

2170 3072 9.40093 reflect

2171 3073 9.40093 reflect

2172 3075 9.3974 expand

2173 3076 9.3974 reflect

2174 3077 9.3974 reflect

2175 3078 9.3974 reflect

2176 3079 9.3974 reflect

2177 3080 9.3974 reflect

2178 3081 9.3974 reflect

2179 3083 9.3974 contract inside

2180 3084 9.3974 reflect

2181 3086 9.3953 expand

2182 3087 9.3953 reflect

2183 3089 9.3953 contract inside

2184 3090 9.3953 reflect

2185 3091 9.3953 reflect

2186 3092 9.3953 reflect

2187 3093 9.3953 reflect

2188 3094 9.3953 reflect

2189 3096 9.3953 contract outside

2190 3097 9.3953 reflect

2191 3098 9.3953 reflect

2192 3100 9.3953 contract inside

2193 3102 9.39447 reflect

2194 3103 9.39447 reflect

2195 3104 9.39447 reflect

2196 3106 9.39434 reflect

2197 3108 9.39412 reflect

2198 3109 9.39412 reflect

2199 3111 9.39353 contract inside

2200 3113 9.39257 reflect

2201 3115 9.39048 expand

2202 3117 9.39048 contract inside

2203 3118 9.39048 reflect

2204 3119 9.39048 reflect

2205 3120 9.39048 reflect

2206 3122 9.39048 contract inside

2207 3123 9.39048 reflect

2208 3124 9.39048 reflect

2209 3125 9.39048 reflect

2210 3126 9.39048 reflect

2211 3127 9.39048 reflect

2212 3129 9.39048 contract inside

2213 3131 9.39048 contract inside

2214 3132 9.39048 reflect

2215 3133 9.39048 reflect

2216 3135 9.39019 reflect

2217 3136 9.39019 reflect

2218 3138 9.39019 contract inside

2219 3139 9.39019 reflect

2220 3141 9.39019 contract inside

2221 3142 9.39019 reflect

2222 3143 9.39019 reflect

2223 3144 9.39019 reflect

2224 3145 9.39019 reflect

2225 3147 9.38983 contract inside

2226 3149 9.38983 contract outside

2227 3151 9.38909 reflect

2228 3152 9.38909 reflect

2229 3153 9.38909 reflect

2230 3155 9.38909 contract inside

2231 3156 9.38909 reflect

2232 3157 9.38909 reflect

2233 3159 9.38909 contract inside

2234 3160 9.38909 reflect

2235 3161 9.38909 reflect

2236 3163 9.38909 contract inside

2237 3165 9.38796 reflect

2238 3166 9.38796 reflect

2239 3168 9.38796 contract inside

2240 3170 9.38796 contract inside

2241 3171 9.38796 reflect

2242 3172 9.38796 reflect

2243 3174 9.38796 contract inside

2244 3175 9.38796 reflect

2245 3177 9.38796 contract inside

2246 3178 9.38796 reflect

2247 3179 9.38796 reflect

2248 3180 9.38796 reflect

2249 3181 9.38796 reflect

2250 3183 9.38796 contract inside

2251 3184 9.38796 reflect

2252 3185 9.38796 reflect

2253 3187 9.38796 contract inside

2254 3188 9.38796 reflect

2255 3189 9.38796 reflect

2256 3191 9.38796 reflect

2257 3193 9.38796 contract inside

2258 3195 9.38796 contract inside

2259 3197 9.38796 contract inside

2260 3199 9.38796 contract inside

2261 3201 9.3879 reflect

2262 3203 9.3879 contract inside

2263 3204 9.3879 reflect

2264 3205 9.3879 reflect

2265 3206 9.3879 reflect

2266 3208 9.3879 contract inside

2267 3210 9.38737 reflect

2268 3212 9.38737 contract outside

2269 3213 9.38737 reflect

2270 3214 9.38737 reflect

2271 3216 9.38737 contract inside

2272 3217 9.38737 reflect

2273 3219 9.38737 contract inside

2274 3221 9.38737 contract inside

2275 3223 9.38737 contract inside

2276 3225 9.38737 contract inside

2277 3226 9.38737 reflect

2278 3227 9.38737 reflect

2279 3229 9.38737 contract inside

2280 3231 9.38737 contract outside

2281 3233 9.38737 contract inside

2282 3234 9.38737 reflect

2283 3235 9.38737 reflect

2284 3236 9.38737 reflect

2285 3238 9.38737 contract outside

2286 3240 9.38737 contract inside

2287 3241 9.38737 reflect

2288 3242 9.38737 reflect

2289 3244 9.38737 contract inside

2290 3246 9.3872 reflect

2291 3247 9.3872 reflect

2292 3248 9.3872 reflect

2293 3249 9.3872 reflect

2294 3251 9.3872 contract inside

2295 3252 9.3872 reflect

2296 3253 9.3872 reflect

2297 3255 9.3872 contract inside

2298 3257 9.3872 contract inside

2299 3259 9.38719 reflect

2300 3261 9.38719 contract inside

2301 3263 9.38719 contract inside

2302 3265 9.38719 contract inside

2303 3266 9.38719 reflect

2304 3267 9.38719 reflect

2305 3268 9.38719 reflect

2306 3269 9.38719 reflect

2307 3271 9.38712 reflect

2308 3273 9.38712 contract inside

2309 3274 9.38712 reflect

2310 3276 9.38699 expand

2311 3277 9.38699 reflect

2312 3279 9.38699 contract inside

2313 3281 9.38699 contract inside

2314 3283 9.38699 contract inside

2315 3285 9.38699 contract inside

2316 3286 9.38699 reflect

2317 3288 9.38699 contract inside

2318 3290 9.38699 contract inside

2319 3291 9.38699 reflect

2320 3292 9.38699 reflect

2321 3293 9.38699 reflect

2322 3294 9.38699 reflect

2323 3296 9.38699 contract inside

2324 3297 9.38699 reflect

2325 3298 9.38699 reflect

2326 3300 9.38699 contract inside

2327 3302 9.38699 contract inside

2328 3304 9.38698 reflect

2329 3305 9.38698 reflect

2330 3307 9.38698 contract inside

2331 3309 9.38696 reflect

2332 3311 9.38696 contract inside

2333 3312 9.38696 reflect

2334 3314 9.38696 contract inside

2335 3315 9.38696 reflect

2336 3316 9.38696 reflect

2337 3317 9.38696 reflect

2338 3319 9.38694 reflect

2339 3320 9.38694 reflect

2340 3322 9.38687 expand

2341 3324 9.38687 contract inside

2342 3326 9.38687 contract inside

2343 3328 9.38687 contract outside

2344 3329 9.38687 reflect

2345 3331 9.38687 contract inside

2346 3332 9.38687 reflect

2347 3333 9.38687 reflect

2348 3334 9.38687 reflect

2349 3335 9.38687 reflect

2350 3336 9.38687 reflect

2351 3337 9.38687 reflect

2352 3339 9.38687 contract inside

2353 3340 9.38687 reflect

2354 3341 9.38687 reflect

2355 3343 9.38687 reflect

2356 3345 9.38686 reflect

2357 3346 9.38686 reflect

2358 3348 9.38685 reflect

2359 3349 9.38685 reflect

2360 3350 9.38685 reflect

2361 3351 9.38685 reflect

2362 3353 9.38678 reflect

2363 3354 9.38678 reflect

2364 3356 9.38678 contract inside

2365 3358 9.38678 contract inside

2366 3360 9.38678 contract inside

2367 3361 9.38678 reflect

2368 3362 9.38678 reflect

2369 3363 9.38678 reflect

2370 3365 9.38678 contract inside

2371 3366 9.38678 reflect

2372 3367 9.38678 reflect

2373 3368 9.38678 reflect

2374 3370 9.38678 contract inside

2375 3372 9.38678 contract inside

2376 3374 9.38678 contract inside

2377 3375 9.38678 reflect

2378 3377 9.38677 reflect

2379 3378 9.38677 reflect

2380 3379 9.38677 reflect

2381 3380 9.38677 reflect

2382 3382 9.38675 reflect

2383 3383 9.38675 reflect

2384 3385 9.38675 contract inside

2385 3387 9.38673 reflect

2386 3388 9.38673 reflect

2387 3390 9.38673 contract inside

2388 3391 9.38673 reflect

2389 3392 9.38673 reflect

2390 3393 9.38673 reflect

2391 3395 9.38673 contract inside

2392 3397 9.38673 contract inside

2393 3398 9.38673 reflect

2394 3400 9.38673 expand

2395 3401 9.38673 reflect

2396 3403 9.38673 contract inside

2397 3405 9.38673 contract inside

2398 3406 9.38673 reflect

2399 3408 9.38671 expand

2400 3410 9.38671 contract inside

2401 3411 9.38671 reflect

2402 3413 9.38667 expand

2403 3415 9.38667 contract inside

2404 3416 9.38667 reflect

2405 3417 9.38667 reflect

2406 3418 9.38667 reflect

2407 3420 9.38667 contract outside

2408 3421 9.38667 reflect

2409 3422 9.38667 reflect

2410 3423 9.38667 reflect

2411 3425 9.38667 contract inside

2412 3427 9.38667 reflect

2413 3429 9.38667 contract outside

2414 3430 9.38667 reflect

2415 3432 9.38664 expand

2416 3433 9.38664 reflect

2417 3434 9.38664 reflect

2418 3435 9.38664 reflect

2419 3436 9.38664 reflect

2420 3437 9.38664 reflect

2421 3439 9.38662 reflect

2422 3440 9.38662 reflect

2423 3442 9.38662 contract inside

2424 3443 9.38662 reflect

2425 3445 9.38662 contract inside

2426 3447 9.38662 contract inside

2427 3448 9.38662 reflect

2428 3449 9.38662 reflect

2429 3451 9.38661 expand

2430 3452 9.38661 reflect

2431 3454 9.3866 reflect

2432 3455 9.3866 reflect

2433 3456 9.3866 reflect

2434 3458 9.3866 contract inside

2435 3460 9.3866 contract inside

2436 3462 9.38658 expand

2437 3463 9.38658 reflect

2438 3464 9.38658 reflect

2439 3466 9.38658 contract inside

2440 3468 9.38658 contract inside

2441 3469 9.38658 reflect

2442 3470 9.38658 reflect

2443 3471 9.38658 reflect

2444 3473 9.38657 reflect

2445 3474 9.38657 reflect

2446 3476 9.38657 reflect

2447 3478 9.38657 contract inside

2448 3480 9.38657 reflect

2449 3481 9.38657 reflect

2450 3483 9.38656 reflect

2451 3485 9.38654 reflect

2452 3486 9.38654 reflect

2453 3488 9.38654 contract inside

2454 3489 9.38654 reflect

2455 3490 9.38654 reflect

2456 3491 9.38654 reflect

2457 3493 9.38652 expand

2458 3494 9.38652 reflect

2459 3495 9.38652 reflect

2460 3497 9.38651 reflect

2461 3498 9.38651 reflect

2462 3499 9.38651 reflect

2463 3500 9.38651 reflect

Exiting: Maximum number of function evaluations has been exceeded

- increase MaxFunEvals option.

Current function value: 9.386512

FMINSEARCH terminated.

**x =[38.7818,1.5259,2.6496,0.9744,-0.0440,0.0015,3.6837,1.7620,2.0000,0.0055];**

**fval =9.3865;**

exitflag =-1;

output =

problemtype: 'unconstrained'

rngstate: [1x1 struct]

generations: 287

funccount: 32300

message: [1x222 char]

population,scores;

Sending a stop signal to all the labs ... stopped.

Caculation finished and the elapsedTime= 133.9388hours

P\_asterisk =9.3866; L =1.0000; delta =-3.3726e-005; penaltyfun1 =0.0675;

penaltyfun2 =0; AR =3.2257; Re =160.1730(103.8108); penaltyfun5 =0;

obj\_function =9.4541;

Elapsed time is 54.635039 seconds.