Results Plain Stress Case (Four-Noded)

Plain Stress case

Elastic matrix D

1.10 0.33 0.00

0.33 1.10 0.00

0.00 0.00 0.38

Connectivity Matrix

1 1 12 13 2

2 2 13 14 3

3 3 14 15 4

4 4 15 16 5

5 5 16 17 6

6 6 17 18 7

7 7 18 19 8

8 8 19 20 9

9 9 20 21 10

10 10 21 22 11

11 12 23 24 13

12 13 24 25 14

13 14 25 26 15

14 15 26 27 16

15 16 27 28 17

16 17 28 29 18

17 18 29 30 19

18 19 30 31 20

19 20 31 32 21

20 21 32 33 22

21 23 34 35 24

22 24 35 36 25

23 25 36 37 26

24 26 37 38 27

25 27 38 39 28

26 28 39 40 29

27 29 40 41 30

28 30 41 42 31

29 31 42 43 32

30 32 43 44 33

31 34 45 46 35

32 35 46 47 36

33 36 47 48 37

34 37 48 49 38

35 38 49 50 39

36 39 50 51 40

37 40 51 52 41

38 41 52 53 42

39 42 53 54 43

40 43 54 55 44

41 45 56 57 46

42 46 57 58 47

43 47 58 59 48

44 48 59 60 49

45 49 60 61 50

46 50 61 62 51

47 51 62 63 52

48 52 63 64 53

49 53 64 65 54

50 54 65 66 55

51 56 67 68 57

52 57 68 69 58

53 58 69 70 59

54 59 70 71 60

55 60 71 72 61

56 61 72 73 62

57 62 73 74 63

58 63 74 75 64

59 64 75 76 65

60 65 76 77 66

61 67 78 79 68

62 68 79 80 69

63 69 80 81 70

64 70 81 82 71

65 71 82 83 72

66 72 83 84 73

67 73 84 85 74

68 74 85 86 75

69 75 86 87 76

70 76 87 88 77

71 78 89 90 79

72 79 90 91 80

73 80 91 92 81

74 81 92 93 82

75 82 93 94 83

76 83 94 95 84

77 84 95 96 85

78 85 96 97 86

79 86 97 98 87

80 87 98 99 88

81 89 100 101 90

82 90 101 102 91

83 91 102 103 92

84 92 103 104 93

85 93 104 105 94

86 94 105 106 95

87 95 106 107 96

88 96 107 108 97

89 97 108 109 98

90 98 109 110 99

91 100 111 112 101

92 101 112 113 102

93 102 113 114 103

94 103 114 115 104

95 104 115 116 105

96 105 116 117 106

97 106 117 118 107

98 107 118 119 108

99 108 119 120 109

100 109 120 121 110

101 111 122 123 112

102 112 123 124 113

103 113 124 125 114

104 114 125 126 115

105 115 126 127 116

106 116 127 128 117

107 117 128 129 118

108 118 129 130 119

109 119 130 131 120

110 120 131 132 121

111 122 133 134 123

112 123 134 135 124

113 124 135 136 125

114 125 136 137 126

115 126 137 138 127

116 127 138 139 128

117 128 139 140 129

118 129 140 141 130

119 130 141 142 131

120 131 142 143 132

121 133 144 145 134

122 134 145 146 135

123 135 146 147 136

124 136 147 148 137

125 137 148 149 138

126 138 149 150 139

127 139 150 151 140

128 140 151 152 141

129 141 152 153 142

130 142 153 154 143

131 144 155 156 145

132 145 156 157 146

133 146 157 158 147

134 147 158 159 148

135 148 159 160 149

136 149 160 161 150

137 150 161 162 151

138 151 162 163 152

139 152 163 164 153

140 153 164 165 154

141 155 166 167 156

142 156 167 168 157

143 157 168 169 158

144 158 169 170 159

145 159 170 171 160

146 160 171 172 161

147 161 172 173 162

148 162 173 174 163

149 163 174 175 164

150 164 175 176 165

151 166 177 178 167

152 167 178 179 168

153 168 179 180 169

154 169 180 181 170

155 170 181 182 171

156 171 182 183 172

157 172 183 184 173

158 173 184 185 174

159 174 185 186 175

160 175 186 187 176

161 177 188 189 178

162 178 189 190 179

163 179 190 191 180

164 180 191 192 181

165 181 192 193 182

166 182 193 194 183

167 183 194 195 184

168 184 195 196 185

169 185 196 197 186

170 186 197 198 187

171 188 199 200 189

172 189 200 201 190

173 190 201 202 191

174 191 202 203 192

175 192 203 204 193

176 193 204 205 194

177 194 205 206 195

178 195 206 207 196

179 196 207 208 197

180 197 208 209 198

181 199 210 211 200

182 200 211 212 201

183 201 212 213 202

184 202 213 214 203

185 203 214 215 204

186 204 215 216 205

187 205 216 217 206

188 206 217 218 207

189 207 218 219 208

190 208 219 220 209

191 210 221 222 211

192 211 222 223 212

193 212 223 224 213

194 213 224 225 214

195 214 225 226 215

196 215 226 227 216

197 216 227 228 217

198 217 228 229 218

199 218 229 230 219

200 219 230 231 220

201 221 232 233 222

202 222 233 234 223

203 223 234 235 224

204 224 235 236 225

205 225 236 237 226

206 226 237 238 227

207 227 238 239 228

208 228 239 240 229

209 229 240 241 230

210 230 241 242 231

211 232 243 244 233

212 233 244 245 234

213 234 245 246 235

214 235 246 247 236

215 236 247 248 237

216 237 248 249 238

217 238 249 250 239

218 239 250 251 240

219 240 251 252 241

220 241 252 253 242

221 243 254 255 244

222 244 255 256 245

223 245 256 257 246

224 246 257 258 247

225 247 258 259 248

226 248 259 260 249

227 249 260 261 250

228 250 261 262 251

229 251 262 263 252

230 252 263 264 253

231 254 265 266 255

232 255 266 267 256

233 256 267 268 257

234 257 268 269 258

235 258 269 270 259

236 259 270 271 260

237 260 271 272 261

238 261 272 273 262

239 262 273 274 263

240 263 274 275 264

241 265 276 277 266

242 266 277 278 267

243 267 278 279 268

244 268 279 280 269

245 269 280 281 270

246 270 281 282 271

247 271 282 283 272

248 272 283 284 273

249 273 284 285 274

250 274 285 286 275

251 276 287 288 277

252 277 288 289 278

253 278 289 290 279

254 279 290 291 280

255 280 291 292 281

256 281 292 293 282

257 282 293 294 283

258 283 294 295 284

259 284 295 296 285

260 285 296 297 286

261 287 298 299 288

262 288 299 300 289

263 289 300 301 290

264 290 301 302 291

265 291 302 303 292

266 292 303 304 293

267 293 304 305 294

268 294 305 306 295

269 295 306 307 296

270 296 307 308 297

271 298 309 310 299

272 299 310 311 300

273 300 311 312 301

274 301 312 313 302

275 302 313 314 303

276 303 314 315 304

277 304 315 316 305

278 305 316 317 306

279 306 317 318 307

280 307 318 319 308

281 309 320 321 310

282 310 321 322 311

283 311 322 323 312

284 312 323 324 313

285 313 324 325 314

286 314 325 326 315

287 315 326 327 316

288 316 327 328 317

289 317 328 329 318

290 318 329 330 319

291 320 331 332 321

292 321 332 333 322

293 322 333 334 323

294 323 334 335 324

295 324 335 336 325

296 325 336 337 326

297 326 337 338 327

298 327 338 339 328

299 328 339 340 329

300 329 340 341 330

301 331 342 343 332

302 332 343 344 333

303 333 344 345 334

304 334 345 346 335

305 335 346 347 336

306 336 347 348 337

307 337 348 349 338

308 338 349 350 339

309 339 350 351 340

310 340 351 352 341

311 342 353 354 343

312 343 354 355 344

313 344 355 356 345

314 345 356 357 346

315 346 357 358 347

316 347 358 359 348

317 348 359 360 349

318 349 360 361 350

319 350 361 362 351

320 351 362 363 352

321 353 364 365 354

322 354 365 366 355

323 355 366 367 356

324 356 367 368 357

325 357 368 369 358

326 358 369 370 359

327 359 370 371 360

328 360 371 372 361

329 361 372 373 362

330 362 373 374 363

331 364 375 376 365

332 365 376 377 366

333 366 377 378 367

334 367 378 379 368

335 368 379 380 369

336 369 380 381 370

337 370 381 382 371

338 371 382 383 372

339 372 383 384 373

340 373 384 385 374

341 375 386 387 376

342 376 387 388 377

343 377 388 389 378

344 378 389 390 379

345 379 390 391 380

346 380 391 392 381

347 381 392 393 382

348 382 393 394 383

349 383 394 395 384

350 384 395 396 385

351 386 397 398 387

352 387 398 399 388

353 388 399 400 389

354 389 400 401 390

355 390 401 402 391

356 391 402 403 392

357 392 403 404 393

358 393 404 405 394

359 394 405 406 395

360 395 406 407 396

361 397 408 409 398

362 398 409 410 399

363 399 410 411 400

364 400 411 412 401

365 401 412 413 402

366 402 413 414 403

367 403 414 415 404

368 404 415 416 405

369 405 416 417 406

370 406 417 418 407

371 408 419 420 409

372 409 420 421 410

373 410 421 422 411

374 411 422 423 412

375 412 423 424 413

376 413 424 425 414

377 414 425 426 415

378 415 426 427 416

379 416 427 428 417

380 417 428 429 418

381 419 430 431 420

382 420 431 432 421

383 421 432 433 422

384 422 433 434 423

385 423 434 435 424

386 424 435 436 425

387 425 436 437 426

388 426 437 438 427

389 427 438 439 428

390 428 439 440 429

391 430 441 442 431

392 431 442 443 432

393 432 443 444 433

394 433 444 445 434

395 434 445 446 435

396 435 446 447 436

397 436 447 448 437

398 437 448 449 438

399 438 449 450 439

400 439 450 451 440

Coordinate Matrix

1 0.00000 0.00000

2 0.00000 0.10000

3 0.00000 0.20000

4 0.00000 0.30000

5 0.00000 0.40000

6 0.00000 0.50000

7 0.00000 0.60000

8 0.00000 0.70000

9 0.00000 0.80000

10 0.00000 0.90000

11 0.00000 1.00000

12 0.25000 0.00000

13 0.25000 0.10000

14 0.25000 0.20000

15 0.25000 0.30000

16 0.25000 0.40000

17 0.25000 0.50000

18 0.25000 0.60000

19 0.25000 0.70000

20 0.25000 0.80000

21 0.25000 0.90000

22 0.25000 1.00000

23 0.50000 0.00000

24 0.50000 0.10000

25 0.50000 0.20000

26 0.50000 0.30000

27 0.50000 0.40000

28 0.50000 0.50000

29 0.50000 0.60000

30 0.50000 0.70000

31 0.50000 0.80000

32 0.50000 0.90000

33 0.50000 1.00000

34 0.75000 0.00000

35 0.75000 0.10000

36 0.75000 0.20000

37 0.75000 0.30000

38 0.75000 0.40000

39 0.75000 0.50000

40 0.75000 0.60000

41 0.75000 0.70000

42 0.75000 0.80000

43 0.75000 0.90000

44 0.75000 1.00000

45 1.00000 0.00000

46 1.00000 0.10000

47 1.00000 0.20000

48 1.00000 0.30000

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54 1.00000 0.90000

55 1.00000 1.00000

56 1.25000 0.00000

57 1.25000 0.10000

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62 1.25000 0.60000

63 1.25000 0.70000

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65 1.25000 0.90000

66 1.25000 1.00000

67 1.50000 0.00000

68 1.50000 0.10000

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76 1.50000 0.90000

77 1.50000 1.00000

78 1.75000 0.00000

79 1.75000 0.10000

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87 1.75000 0.90000

88 1.75000 1.00000

89 2.00000 0.00000

90 2.00000 0.10000

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98 2.00000 0.90000

99 2.00000 1.00000

100 2.25000 0.00000

101 2.25000 0.10000

102 2.25000 0.20000

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109 2.25000 0.90000

110 2.25000 1.00000

111 2.50000 0.00000

112 2.50000 0.10000

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118 2.50000 0.70000

119 2.50000 0.80000

120 2.50000 0.90000

121 2.50000 1.00000

122 2.75000 0.00000

123 2.75000 0.10000

124 2.75000 0.20000

125 2.75000 0.30000

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127 2.75000 0.50000

128 2.75000 0.60000

129 2.75000 0.70000

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131 2.75000 0.90000

132 2.75000 1.00000

133 3.00000 0.00000

134 3.00000 0.10000

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142 3.00000 0.90000

143 3.00000 1.00000

144 3.25000 0.00000

145 3.25000 0.10000

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153 3.25000 0.90000

154 3.25000 1.00000

155 3.50000 0.00000

156 3.50000 0.10000

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162 3.50000 0.70000

163 3.50000 0.80000

164 3.50000 0.90000

165 3.50000 1.00000

166 3.75000 0.00000

167 3.75000 0.10000

168 3.75000 0.20000

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170 3.75000 0.40000

171 3.75000 0.50000

172 3.75000 0.60000

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174 3.75000 0.80000

175 3.75000 0.90000

176 3.75000 1.00000

177 4.00000 0.00000

178 4.00000 0.10000

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186 4.00000 0.90000

187 4.00000 1.00000

188 4.25000 0.00000

189 4.25000 0.10000

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195 4.25000 0.70000

196 4.25000 0.80000

197 4.25000 0.90000

198 4.25000 1.00000

199 4.50000 0.00000

200 4.50000 0.10000

201 4.50000 0.20000

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209 4.50000 1.00000

210 4.75000 0.00000

211 4.75000 0.10000

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230 5.00000 0.90000

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232 5.25000 0.00000

233 5.25000 0.10000

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242 5.25000 1.00000

243 5.50000 0.00000

244 5.50000 0.10000

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252 5.50000 0.90000

253 5.50000 1.00000

254 5.75000 0.00000

255 5.75000 0.10000

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264 5.75000 1.00000

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266 6.00000 0.10000

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275 6.00000 1.00000

276 6.25000 0.00000

277 6.25000 0.10000

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285 6.25000 0.90000

286 6.25000 1.00000

287 6.50000 0.00000

288 6.50000 0.10000

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294 6.50000 0.70000

295 6.50000 0.80000

296 6.50000 0.90000

297 6.50000 1.00000

298 6.75000 0.00000

299 6.75000 0.10000

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307 6.75000 0.90000

308 6.75000 1.00000

309 7.00000 0.00000

310 7.00000 0.10000

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317 7.00000 0.80000

318 7.00000 0.90000

319 7.00000 1.00000

320 7.25000 0.00000

321 7.25000 0.10000

322 7.25000 0.20000

323 7.25000 0.30000

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326 7.25000 0.60000

327 7.25000 0.70000

328 7.25000 0.80000

329 7.25000 0.90000

330 7.25000 1.00000

331 7.50000 0.00000

332 7.50000 0.10000

333 7.50000 0.20000

334 7.50000 0.30000

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337 7.50000 0.60000

338 7.50000 0.70000

339 7.50000 0.80000

340 7.50000 0.90000

341 7.50000 1.00000

342 7.75000 0.00000

343 7.75000 0.10000

344 7.75000 0.20000

345 7.75000 0.30000

346 7.75000 0.40000

347 7.75000 0.50000

348 7.75000 0.60000

349 7.75000 0.70000

350 7.75000 0.80000

351 7.75000 0.90000

352 7.75000 1.00000

353 8.00000 0.00000

354 8.00000 0.10000

355 8.00000 0.20000

356 8.00000 0.30000

357 8.00000 0.40000

358 8.00000 0.50000

359 8.00000 0.60000

360 8.00000 0.70000

361 8.00000 0.80000

362 8.00000 0.90000

363 8.00000 1.00000

364 8.25000 0.00000

365 8.25000 0.10000

366 8.25000 0.20000

367 8.25000 0.30000

368 8.25000 0.40000

369 8.25000 0.50000

370 8.25000 0.60000

371 8.25000 0.70000

372 8.25000 0.80000

373 8.25000 0.90000

374 8.25000 1.00000

375 8.50000 0.00000

376 8.50000 0.10000

377 8.50000 0.20000

378 8.50000 0.30000

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380 8.50000 0.50000

381 8.50000 0.60000

382 8.50000 0.70000

383 8.50000 0.80000

384 8.50000 0.90000

385 8.50000 1.00000

386 8.75000 0.00000

387 8.75000 0.10000

388 8.75000 0.20000

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391 8.75000 0.50000

392 8.75000 0.60000

393 8.75000 0.70000

394 8.75000 0.80000

395 8.75000 0.90000

396 8.75000 1.00000

397 9.00000 0.00000

398 9.00000 0.10000

399 9.00000 0.20000

400 9.00000 0.30000

401 9.00000 0.40000

402 9.00000 0.50000

403 9.00000 0.60000

404 9.00000 0.70000

405 9.00000 0.80000

406 9.00000 0.90000

407 9.00000 1.00000

408 9.25000 0.00000

409 9.25000 0.10000

410 9.25000 0.20000

411 9.25000 0.30000

412 9.25000 0.40000

413 9.25000 0.50000

414 9.25000 0.60000

415 9.25000 0.70000

416 9.25000 0.80000

417 9.25000 0.90000

418 9.25000 1.00000

419 9.50000 0.00000

420 9.50000 0.10000

421 9.50000 0.20000

422 9.50000 0.30000

423 9.50000 0.40000

424 9.50000 0.50000

425 9.50000 0.60000

426 9.50000 0.70000

427 9.50000 0.80000

428 9.50000 0.90000

429 9.50000 1.00000

430 9.75000 0.00000

431 9.75000 0.10000

432 9.75000 0.20000

433 9.75000 0.30000

434 9.75000 0.40000

435 9.75000 0.50000

436 9.75000 0.60000

437 9.75000 0.70000

438 9.75000 0.80000

439 9.75000 0.90000

440 9.75000 1.00000

441 10.00000 0.00000

442 10.00000 0.10000

443 10.00000 0.20000

444 10.00000 0.30000

445 10.00000 0.40000

446 10.00000 0.50000

447 10.00000 0.60000

448 10.00000 0.70000

449 10.00000 0.80000

450 10.00000 0.90000

451 10.00000 1.00000

Displacement Boundary Conditions

node 1 2 3 4 5 6 7 8 9 10 11

ux=0.0 ux=0.0 ux=0.0 ux=0.0 ux=0.0 ux=0.0 ux=0.0 ux=0.0 ux=0.0 ux=0.0 ux=0.0

uy=0.0 uy=0.0 uy=0.0 uy=0.0 uy=0.0 uy=0.0 uy=0.0 uy=0.0 uy=0.0 uy=0.0 uy=0.0

Traction BC

node 11 22 33 44 55 66 77 88 99 110

fx=0.0 fx=0.0 fx=0.0 fx=0.0 fx=0.0 fx=0.0 fx=0.0 fx=0.0 fx=0.0 fx=0.0

fy=-0.13 fy=-0.25 fy=-0.25 fy=-0.25 fy=-0.25 fy=-0.25 fy=-0.25 fy=-0.25 fy=-0.25 fy=-0.25

node 121 132 143 154 165 176 187 198 209 220

fx=0.0 fx=0.0 fx=0.0 fx=0.0 fx=0.0 fx=0.0 fx=0.0 fx=0.0 fx=0.0 fx=0.0

fy=-0.25 fy=-0.25 fy=-0.25 fy=-0.25 fy=-0.25 fy=-0.25 fy=-0.25 fy=-0.25 fy=-0.25 fy=-0.25

node 231 242 253 264 275 286 297 308 319 330

fx=0.0 fx=0.0 fx=0.0 fx=0.0 fx=0.0 fx=0.0 fx=0.0 fx=0.0 fx=0.0 fx=0.0

fy=-0.25 fy=-0.25 fy=-0.25 fy=-0.25 fy=-0.25 fy=-0.25 fy=-0.25 fy=-0.25 fy=-0.25 fy=-0.25

node 341 352 363 374 385 396 407 418 429 440

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node 468

fx=0.0

fy= 0.25

d i s p l a c e m e n t s

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\* \* \* \*\* \* \* \*

\* node \* ux \* uy \*\* node \* ux \* uy \*

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s t r e s s e s

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\* 12 \* -38.8447 \* 0.7288 \* -1.4409 \*

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\* 13 \* -26.3223 \* 0.5890 \* -3.4776 \*

\* 13 \* -26.5281 \* -0.0971 \* -10.4419 \*

\* 13 \* -34.4873 \* -2.4848 \* -10.5380 \*

\* 13 \* -34.2815 \* -1.7988 \* -3.5736 \*

\* 14 \* -14.1333 \* 0.5163 \* -4.6390 \*

\* 14 \* -14.3289 \* -0.1356 \* -11.3680 \*

\* 14 \* -22.0192 \* -2.4427 \* -11.4593 \*

\* 14 \* -21.8236 \* -1.7908 \* -4.7303 \*

\* 15 \* -2.1878 \* 0.6003 \* -5.1861 \*

\* 15 \* -2.2427 \* 0.4174 \* -11.7737 \*

\* 15 \* -9.7714 \* -1.8413 \* -11.7994 \*

\* 15 \* -9.7165 \* -1.6584 \* -5.2117 \*

\* 16 \* 9.7311 \* 0.7604 \* -5.2411 \*

\* 16 \* 9.8502 \* 1.1573 \* -11.8318 \*

\* 16 \* 2.3180 \* -1.1024 \* -11.7762 \*

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\* 17 \* 21.8464 \* 0.8756 \* -4.7838 \*

\* 17 \* 22.1024 \* 1.7289 \* -11.5214 \*

\* 17 \* 14.4023 \* -0.5811 \* -11.4019 \*

\* 17 \* 14.1463 \* -1.4344 \* -4.6644 \*

\* 18 \* 34.3112 \* 0.8505 \* -3.6375 \*

\* 18 \* 34.5668 \* 1.7024 \* -10.6115 \*

\* 18 \* 26.5966 \* -0.6887 \* -10.4922 \*

\* 18 \* 26.3410 \* -1.5406 \* -3.5183 \*

\* 19 \* 46.8679 \* 0.6858 \* -1.4323 \*

\* 19 \* 46.7729 \* 0.3694 \* -8.4369 \*

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\* 20 \* 56.4015 \* 0.3098 \* 1.9538 \*

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\* 20 \* 50.7864 \* -1.3747 \* 1.3622 \*

\* 21 \* -43.0327 \* 0.2785 \* 1.1097 \*

\* 21 \* -42.7702 \* 1.1534 \* -4.5774 \*

\* 21 \* -49.2697 \* -0.7964 \* -4.4549 \*

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\* 22 \* -33.1646 \* 0.3837 \* -1.4564 \*

\* 22 \* -32.7018 \* 1.9263 \* -6.8564 \*

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\* 22 \* -39.3360 \* -1.4677 \* -1.2404 \*

\* 23 \* -22.9496 \* 0.5322 \* -3.4750 \*

\* 23 \* -22.6366 \* 1.5756 \* -9.1870 \*

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\* 24 \* -12.3016 \* 1.1032 \* -10.7027 \*

\* 24 \* -18.9805 \* -0.9005 \* -10.6271 \*

\* 24 \* -19.1424 \* -1.4401 \* -4.7831 \*

\* 25 \* -1.8970 \* 0.5293 \* -5.5394 \*

\* 25 \* -1.8441 \* 0.7056 \* -11.4185 \*

\* 25 \* -8.5630 \* -1.3101 \* -11.3938 \*

\* 25 \* -8.6159 \* -1.4864 \* -5.5148 \*

\* 26 \* 8.6736 \* 0.4748 \* -5.5137 \*

\* 26 \* 8.6340 \* 0.3429 \* -11.3904 \*

\* 26 \* 1.9177 \* -1.6720 \* -11.4089 \*

\* 26 \* 1.9573 \* -1.5401 \* -5.5321 \*

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\* 27 \* 19.0333 \* -0.0830 \* -10.6070 \*

\* 27 \* 12.3644 \* -2.0837 \* -10.6783 \*

\* 27 \* 12.5170 \* -1.5749 \* -4.8430 \*

\* 28 \* 29.4859 \* 0.4087 \* -3.3060 \*

\* 28 \* 29.1747 \* -0.6287 \* -8.9962 \*

\* 28 \* 22.6716 \* -2.5796 \* -9.1414 \*

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\* 29 \* 39.2715 \* 0.4486 \* -1.2132 \*

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\* 32 \* -27.5589 \* 1.2251 \* -6.6102 \*

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\* 36 \* 7.1786 \* 0.1333 \* -10.3661 \*

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\* 37 \* 10.2860 \* -1.8943 \* -9.7231 \*

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\* 38 \* 18.9378 \* -2.1357 \* -8.4131 \*

\* 38 \* 19.1850 \* -1.3116 \* -3.6217 \*

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\* 105 \* 0.3884 \* -0.3342 \* -5.1963 \*

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\* 106 \* -0.3884 \* -0.6658 \* -5.1963 \*

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\* 112 \* 4.9946 \* 0.1147 \* -2.1825 \*

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\* 243 \* 23.0468 \* 0.6141 \* -2.4125 \*

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\* 292 \* 23.7921 \* -0.6688 \* -1.2165 \*

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\* 294 \* 8.7854 \* -1.0345 \* 3.5828 \*

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\* 385 \* -1.5557 \* -3.2957 \* 5.8941 \*

\* 386 \* -2.7570 \* -3.4814 \* 5.4673 \*

\* 386 \* -2.0155 \* -1.0095 \* 5.8690 \*

\* 386 \* -1.5564 \* -0.8718 \* 6.2150 \*

\* 386 \* -2.2980 \* -3.3437 \* 5.8134 \*

\* 387 \* -3.4345 \* -3.1672 \* 4.9099 \*

\* 387 \* -2.8095 \* -1.0838 \* 5.3455 \*

\* 387 \* -2.3117 \* -0.9345 \* 5.6372 \*

\* 387 \* -2.9367 \* -3.0179 \* 5.2016 \*

\* 388 \* -4.0932 \* -2.6788 \* 3.9569 \*

\* 388 \* -3.5881 \* -0.9953 \* 4.4069 \*

\* 388 \* -3.0738 \* -0.8410 \* 4.6426 \*

\* 388 \* -3.5788 \* -2.5245 \* 4.1926 \*

\* 389 \* -4.6432 \* -2.1320 \* 2.6818 \*

\* 389 \* -4.2419 \* -0.7944 \* 3.0639 \*

\* 389 \* -3.8053 \* -0.6634 \* 3.2511 \*

\* 389 \* -4.2066 \* -2.0010 \* 2.8691 \*

\* 390 \* -4.8066 \* -1.6403 \* 1.1158 \*

\* 390 \* -4.4726 \* -0.5270 \* 1.2322 \*

\* 390 \* -4.3395 \* -0.4871 \* 1.3881 \*

\* 390 \* -4.6735 \* -1.6004 \* 1.2716 \*

\* 391 \* -1.4763 \* -35.2797 \* -0.1373 \*

\* 391 \* 8.1667 \* -3.1363 \* 5.0542 \*

\* 391 \* 14.0999 \* -1.3563 \* 9.5543 \*

\* 391 \* 4.4569 \* -33.4997 \* 4.3628 \*

\* 392 \* -3.6774 \* -28.6759 \* 3.5758 \*

\* 392 \* 3.3532 \* -5.2406 \* 5.1286 \*

\* 392 \* 5.1278 \* -4.7082 \* 8.4095 \*

\* 392 \* -1.9028 \* -28.1436 \* 6.8568 \*

\* 393 \* -3.3436 \* -22.3891 \* 4.2338 \*

\* 393 \* 1.4354 \* -6.4590 \* 4.9104 \*

\* 393 \* 2.2086 \* -6.2271 \* 7.1406 \*

\* 393 \* -2.5704 \* -22.1571 \* 6.4640 \*

\* 394 \* -2.6367 \* -16.9832 \* 4.0858 \*

\* 394 \* 0.4886 \* -6.5655 \* 4.5484 \*

\* 394 \* 1.0174 \* -6.4069 \* 6.0069 \*

\* 394 \* -2.1080 \* -16.8246 \* 5.5442 \*

\* 395 \* -2.0435 \* -12.4477 \* 3.7073 \*

\* 395 \* -0.0868 \* -5.9253 \* 4.1236 \*

\* 395 \* 0.3889 \* -5.7826 \* 5.0367 \*

\* 395 \* -1.5678 \* -12.3050 \* 4.6205 \*

\* 396 \* -1.6436 \* -8.6848 \* 3.2306 \*

\* 396 \* -0.5059 \* -4.8925 \* 3.6321 \*

\* 396 \* -0.0470 \* -4.7549 \* 4.1630 \*

\* 396 \* -1.1847 \* -8.5472 \* 3.7615 \*

\* 397 \* -1.4178 \* -5.6437 \* 2.6595 \*

\* 397 \* -0.8416 \* -3.7231 \* 3.0352 \*

\* 397 \* -0.4123 \* -3.5942 \* 3.3041 \*

\* 397 \* -0.9885 \* -5.5149 \* 2.9284 \*

\* 398 \* -1.3180 \* -3.3402 \* 1.9701 \*

\* 398 \* -1.0928 \* -2.5895 \* 2.2856 \*

\* 398 \* -0.7322 \* -2.4813 \* 2.3907 \*

\* 398 \* -0.9574 \* -3.2320 \* 2.0752 \*

\* 399 \* -1.2427 \* -1.8333 \* 1.1653 \*

\* 399 \* -1.1762 \* -1.6113 \* 1.3460 \*

\* 399 \* -0.9697 \* -1.5494 \* 1.3771 \*

\* 399 \* -1.0362 \* -1.7713 \* 1.1964 \*

\* 400 \* -0.8926 \* -1.1484 \* 0.3707 \*

\* 400 \* -0.8174 \* -0.8978 \* 0.2204 \*

\* 400 \* -0.9891 \* -0.9493 \* 0.2555 \*

\* 400 \* -1.0643 \* -1.1999 \* 0.4058 \*

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Plane Strain Case (Four Noded)

Plain Strain case

Elastic matrix D

1.35 0.58 0.00

0.58 1.35 0.00

0.00 0.00 0.38

Displacement Boundary Conditions

node 1 2 3 4 5 6 7 8 9 10 11

ux=0.0 ux=0.0 ux=0.0 ux=0.0 ux=0.0 ux=0.0 ux=0.0 ux=0.0 ux=0.0 ux=0.0 ux=0.0

uy=0.0 uy=0.0 uy=0.0 uy=0.0 uy=0.0 uy=0.0 uy=0.0 uy=0.0 uy=0.0 uy=0.0 uy=0.0

Traction BC

node 11 22 33 44 55 66 77 88 99 110

fx=0.0 fx=0.0 fx=0.0 fx=0.0 fx=0.0 fx=0.0 fx=0.0 fx=0.0 fx=0.0 fx=0.0

fy=-0.13 fy=-0.25 fy=-0.25 fy=-0.25 fy=-0.25 fy=-0.25 fy=-0.25 fy=-0.25 fy=-0.25 fy=-0.25

node 121 132 143 154 165 176 187 198 209 220

fx=0.0 fx=0.0 fx=0.0 fx=0.0 fx=0.0 fx=0.0 fx=0.0 fx=0.0 fx=0.0 fx=0.0

fy=-0.25 fy=-0.25 fy=-0.25 fy=-0.25 fy=-0.25 fy=-0.25 fy=-0.25 fy=-0.25 fy=-0.25 fy=-0.25

node 231 242 253 264 275 286 297 308 319 330

fx=0.0 fx=0.0 fx=0.0 fx=0.0 fx=0.0 fx=0.0 fx=0.0 fx=0.0 fx=0.0 fx=0.0

fy=-0.25 fy=-0.25 fy=-0.25 fy=-0.25 fy=-0.25 fy=-0.25 fy=-0.25 fy=-0.25 fy=-0.25 fy=-0.25

node 341 352 363 374 385 396 407 418 429 440

fx=0.0 fx=0.0 fx=0.0 fx=0.0 fx=0.0 fx=0.0 fx=0.0 fx=0.0 fx=0.0 fx=0.0

fy=-0.25 fy=-0.25 fy=-0.25 fy=-0.25 fy=-0.25 fy=-0.25 fy=-0.25 fy=-0.25 fy=-0.25 fy=-0.25

node 468

fx=0.0

fy= 0.25

d i s p l a c e m e n t s

..................................................

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

\* \* \* \*\* \* \* \*

\* node \* ux \* uy \*\* node \* ux \* uy \*

\* \* \* \*\* \* \* \*

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

\* 1 \* 0.0000 \* 0.0000 \*\* 2 \* 0.0000 \* 0.0000 \*

\* 3 \* 0.0000 \* 0.0000 \*\* 4 \* 0.0000 \* 0.0000 \*

\* 5 \* 0.0000 \* 0.0000 \*\* 6 \* 0.0000 \* 0.0000 \*

\* 7 \* 0.0000 \* 0.0000 \*\* 8 \* 0.0000 \* 0.0000 \*

\* 9 \* 0.0000 \* 0.0000 \*\* 10 \* 0.0000 \* 0.0000 \*

\* 11 \* 0.0000 \* 0.0000 \*\* 12 \* -16.0080 \* -12.2395 \*

\* 13 \* -11.1853 \* -9.5594 \*\* 14 \* -7.8332 \* -7.8403 \*

\* 15 \* -5.0160 \* -6.7916 \*\* 16 \* -2.4515 \* -6.2338 \*

\* 17 \* 0.0068 \* -6.0765 \*\* 18 \* 2.4667 \* -6.2934 \*

\* 19 \* 5.0366 \* -6.9139 \*\* 20 \* 7.8656 \* -8.0322 \*

\* 21 \* 11.2440 \* -9.8334 \*\* 22 \* 16.1436 \* -12.6156 \*

\* 23 \* -29.1703 \* -26.6113 \*\* 24 \* -22.4511 \* -24.7569 \*

\* 25 \* -16.1581 \* -23.1645 \*\* 26 \* -10.4478 \* -22.0225 \*

\* 27 \* -5.1105 \* -21.3601 \*\* 28 \* 0.0508 \* -21.1707 \*

\* 29 \* 5.2151 \* -21.4496 \*\* 30 \* 10.5617 \* -22.2027 \*

\* 31 \* 16.2888 \* -23.4370 \*\* 32 \* 22.6072 \* -25.1216 \*

\* 33 \* 29.3432 \* -27.0587 \*\* 34 \* -40.7924 \* -47.2844 \*

\* 35 \* -31.7562 \* -45.6074 \*\* 36 \* -23.3008 \* -44.3254 \*

\* 37 \* -15.2451 \* -43.3968 \*\* 38 \* -7.4910 \* -42.8475 \*

\* 39 \* 0.1066 \* -42.6946 \*\* 40 \* 7.7062 \* -42.9429 \*

\* 41 \* 15.4665 \* -43.5869 \*\* 42 \* 23.5308 \* -44.6086 \*

\* 43 \* 31.9930 \* -45.9807 \*\* 44 \* 41.0330 \* -47.7472 \*

\* 45 \* -50.6502 \* -73.1815 \*\* 46 \* -39.6736 \* -71.8000 \*

\* 47 \* -29.2387 \* -70.7211 \*\* 48 \* -19.2162 \* -69.9624 \*

\* 49 \* -9.4606 \* -69.5230 \*\* 50 \* 0.1606 \* -69.4071 \*

\* 51 \* 9.7827 \* -69.6167 \*\* 52 \* 19.5403 \* -70.1491 \*

\* 53 \* 29.5649 \* -70.9999 \*\* 54 \* 40.0016 \* -72.1701 \*

\* 55 \* 50.9780 \* -73.6418 \*\* 56 \* -58.7544 \* -103.4771 \*

\* 57 \* -46.1844 \* -102.3555 \*\* 58 \* -34.1332 \* -101.4855 \*

\* 59 \* -22.4693 \* -100.8717 \*\* 60 \* -11.0647 \* -100.5205 \*

\* 61 \* 0.2114 \* -100.4339 \*\* 62 \* 11.4877 \* -100.6125 \*

\* 63 \* 22.8926 \* -101.0554 \*\* 64 \* 34.5568 \* -101.7607 \*

\* 65 \* 46.6079 \* -102.7218 \*\* 66 \* 59.1772 \* -103.9343 \*

\* 67 \* -65.1908 \* -137.2911 \*\* 68 \* -51.3624 \* -136.4212 \*

\* 69 \* -38.0260 \* -135.7453 \*\* 70 \* -25.0589 \* -135.2708 \*

\* 71 \* -12.3376 \* -135.0024 \*\* 72 \* 0.2606 \* -134.9429 \*

\* 73 \* 12.8588 \* -135.0936 \*\* 74 \* 25.5801 \* -135.4532 \*

\* 75 \* 38.5471 \* -136.0187 \*\* 76 \* 51.8832 \* -136.7857 \*

\* 77 \* 65.7112 \* -137.7467 \*\* 78 \* -70.0433 \* -173.8129 \*

\* 79 \* -55.2736 \* -173.1805 \*\* 80 \* -40.9700 \* -172.6896 \*

\* 81 \* -27.0159 \* -172.3469 \*\* 82 \* -13.2950 \* -172.1576 \*

\* 83 \* 0.3094 \* -172.1245 \*\* 84 \* 13.9138 \* -172.2486 \*

\* 85 \* 27.6346 \* -172.5289 \*\* 86 \* 41.5885 \* -172.9626 \*

\* 87 \* 55.8920 \* -173.5445 \*\* 88 \* 70.6616 \* -174.2679 \*

\* 89 \* -73.3965 \* -212.2710 \*\* 90 \* -57.9853 \* -211.8636 \*

\* 91 \* -43.0142 \* -211.5476 \*\* 92 \* -28.3734 \* -211.3299 \*

\* 93 \* -13.9526 \* -211.2155 \*\* 94 \* 0.3581 \* -211.2074 \*

\* 95 \* 14.6688 \* -211.3065 \*\* 96 \* 29.0895 \* -211.5119 \*

\* 97 \* 43.7303 \* -211.8205 \*\* 98 \* 58.7013 \* -212.2276 \*

\* 99 \* 74.1125 \* -212.7260 \*\* 100 \* -75.3337 \* -251.9373 \*

\* 101 \* -59.5641 \* -251.7419 \*\* 102 \* -44.2088 \* -251.5908 \*

\* 103 \* -29.1643 \* -251.4910 \*\* 104 \* -14.3270 \* -251.4473 \*

\* 105 \* 0.4068 \* -251.4627 \*\* 106 \* 15.1406 \* -251.5382 \*

\* 107 \* 29.9779 \* -251.6729 \*\* 108 \* 45.0224 \* -251.8638 \*

\* 109 \* 60.3777 \* -252.1059 \*\* 110 \* 76.1472 \* -252.3922 \*

\* 111 \* -75.9380 \* -292.1243 \*\* 112 \* -60.0766 \* -292.1281 \*

\* 113 \* -44.6037 \* -292.1320 \*\* 114 \* -29.4221 \* -292.1428 \*

\* 115 \* -14.4347 \* -292.1655 \*\* 116 \* 0.4555 \* -292.2031 \*

\* 117 \* 15.3458 \* -292.2565 \*\* 118 \* 30.3332 \* -292.3248 \*

\* 119 \* 45.5148 \* -292.4050 \*\* 120 \* 60.9877 \* -292.4921 \*

\* 121 \* 76.8491 \* -292.5792 \*\* 122 \* -75.2928 \* -332.1865 \*

\* 123 \* -59.5895 \* -332.3767 \*\* 124 \* -44.2489 \* -332.5255 \*

\* 125 \* -29.1801 \* -332.6399 \*\* 126 \* -14.2926 \* -332.7247 \*

\* 127 \* 0.5043 \* -332.7830 \*\* 128 \* 15.3012 \* -332.8157 \*

\* 129 \* 30.1887 \* -332.8219 \*\* 130 \* 45.2575 \* -332.7985 \*

\* 131 \* 60.5981 \* -332.7407 \*\* 132 \* 76.3013 \* -332.6415 \*

\* 133 \* -73.4813 \* -371.5200 \*\* 134 \* -58.1695 \* -371.8837 \*

\* 135 \* -43.1943 \* -372.1675 \*\* 136 \* -28.4716 \* -372.3782 \*

\* 137 \* -13.9172 \* -372.5209 \*\* 138 \* 0.5530 \* -372.5984 \*

\* 139 \* 15.0233 \* -372.6119 \*\* 140 \* 29.5777 \* -372.5602 \*

\* 141 \* 44.3004 \* -372.4405 \*\* 142 \* 59.2756 \* -372.2477 \*

\* 143 \* 74.5874 \* -371.9750 \*\* 144 \* -70.5869 \* -409.5625 \*

\* 145 \* -55.8831 \* -410.0868 \*\* 146 \* -41.4899 \* -410.4956 \*

\* 147 \* -27.3299 \* -410.7956 \*\* 148 \* -13.3252 \* -410.9918 \*

\* 149 \* 0.6018 \* -411.0872 \*\* 150 \* 14.5288 \* -411.0828 \*

\* 151 \* 28.5335 \* -410.9776 \*\* 152 \* 42.6935 \* -410.7686 \*

\* 153 \* 57.0866 \* -410.4508 \*\* 154 \* 71.7905 \* -410.0175 \*

\* 155 \* -66.6929 \* -445.7933 \*\* 156 \* -52.7969 \* -446.4655 \*

\* 157 \* -39.1858 \* -446.9891 \*\* 158 \* -25.7883 \* -447.3712 \*

\* 159 \* -12.5333 \* -447.6167 \*\* 160 \* 0.6505 \* -447.7286 \*

\* 161 \* 13.8344 \* -447.7077 \*\* 162 \* 27.0894 \* -447.5532 \*

\* 163 \* 40.4869 \* -447.2621 \*\* 164 \* 54.0980 \* -446.8295 \*

\* 165 \* 67.9940 \* -446.2483 \*\* 166 \* -61.8825 \* -479.7334 \*

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\* 169 \* -23.8803 \* -481.6263 \*\* 170 \* -11.5581 \* -481.9167 \*

\* 171 \* 0.6993 \* -482.0436 \*\* 172 \* 12.9567 \* -482.0077 \*

\* 173 \* 25.2788 \* -481.8083 \*\* 174 \* 37.7305 \* -481.4422 \*

\* 175 \* 50.3763 \* -480.9045 \*\* 176 \* 63.2811 \* -480.1884 \*

\* 177 \* -56.2391 \* -510.9456 \*\* 178 \* -44.4921 \* -511.8748 \*

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\* 181 \* -10.4163 \* -513.4545 \*\* 182 \* 0.7480 \* -513.5949 \*

\* 183 \* 11.9124 \* -513.5455 \*\* 184 \* 23.1351 \* -513.3053 \*

\* 185 \* 34.4742 \* -512.8714 \*\* 186 \* 45.9882 \* -512.2388 \*

\* 187 \* 57.7352 \* -511.4006 \*\* 188 \* -49.8460 \* -539.0340 \*

\* 189 \* -39.4067 \* -540.0725 \*\* 190 \* -29.1746 \* -540.8811 \*

\* 191 \* -19.0978 \* -541.4667 \*\* 192 \* -9.1246 \* -541.8343 \*

\* 193 \* 0.7968 \* -541.9868 \*\* 194 \* 10.7182 \* -541.9253 \*

\* 195 \* 20.6914 \* -541.6487 \*\* 196 \* 30.7681 \* -541.1541 \*

\* 197 \* 41.0003 \* -540.4365 \*\* 198 \* 51.4396 \* -539.4890 \*

\* 199 \* -42.7865 \* -563.6447 \*\* 200 \* -33.7882 \* -564.7796 \*

\* 201 \* -24.9711 \* -565.6632 \*\* 202 \* -16.2900 \* -566.3023 \*

\* 203 \* -7.6996 \* -566.7020 \*\* 204 \* 0.8455 \* -566.8653 \*

\* 205 \* 9.3907 \* -566.7930 \*\* 206 \* 17.9811 \* -566.4843 \*

\* 207 \* 26.6622 \* -565.9362 \*\* 208 \* 35.4792 \* -565.1436 \*

\* 209 \* 44.4776 \* -564.0997 \*\* 210 \* -35.1438 \* -584.4654 \*

\* 211 \* -27.7031 \* -585.6838 \*\* 212 \* -20.4178 \* -586.6323 \*

\* 213 \* -13.2491 \* -587.3179 \*\* 214 \* -6.1580 \* -587.7454 \*

\* 215 \* 0.8943 \* -587.9180 \*\* 216 \* 7.9465 \* -587.8364 \*

\* 217 \* 15.0376 \* -587.4999 \*\* 218 \* 22.2064 \* -586.9053 \*

\* 219 \* 29.4917 \* -586.0478 \*\* 220 \* 36.9324 \* -584.9204 \*

\* 221 \* -27.0013 \* -601.2251 \*\* 222 \* -21.2182 \* -602.5142 \*

\* 223 \* -15.5646 \* -603.5177 \*\* 224 \* -10.0081 \* -604.2426 \*

\* 225 \* -4.5164 \* -604.6937 \*\* 226 \* 0.9430 \* -604.8741 \*

\* 227 \* 6.4024 \* -604.7847 \*\* 228 \* 11.8942 \* -604.4246 \*

\* 229 \* 17.4507 \* -603.7907 \*\* 230 \* 23.1043 \* -602.8782 \*

\* 231 \* 28.8874 \* -601.6801 \*\* 232 \* -18.4423 \* -613.6950 \*

\* 233 \* -14.4001 \* -615.0419 \*\* 234 \* -10.4615 \* -616.0904 \*

\* 235 \* -6.6006 \* -616.8474 \*\* 236 \* -2.7915 \* -617.3178 \*

\* 237 \* 0.9918 \* -617.5046 \*\* 238 \* 4.7750 \* -617.4088 \*

\* 239 \* 8.5842 \* -617.0294 \*\* 240 \* 12.4451 \* -616.3634 \*

\* 241 \* 16.3837 \* -615.4059 \*\* 242 \* 20.4259 \* -614.1500 \*

\* 243 \* -9.5501 \* -621.6875 \*\* 244 \* -7.3155 \* -623.0794 \*

\* 245 \* -5.1585 \* -624.1629 \*\* 246 \* -3.0598 \* -624.9448 \*

\* 247 \* -0.9999 \* -625.4302 \*\* 248 \* 1.0405 \* -625.6220 \*

\* 249 \* 3.0810 \* -625.5212 \*\* 250 \* 5.1409 \* -625.1268 \*

\* 251 \* 7.2396 \* -624.4359 \*\* 252 \* 9.3966 \* -623.4434 \*

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\* 255 \* -0.0309 \* -626.4809 \*\* 256 \* 0.2945 \* -627.5893 \*

\* 257 \* 0.5810 \* -628.3891 \*\* 258 \* 0.8416 \* -628.8853 \*

\* 259 \* 1.0893 \* -629.0806 \*\* 260 \* 1.3370 \* -628.9763 \*

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\* 263 \* 2.2095 \* -626.8449 \*\* 264 \* 2.5866 \* -625.5118 \*

\* 265 \* 8.9007 \* -623.6989 \*\* 266 \* 7.3870 \* -625.1422 \*

\* 267 \* 5.8474 \* -626.2657 \*\* 268 \* 4.2884 \* -627.0762 \*

\* 269 \* 2.7165 \* -627.5787 \*\* 270 \* 1.1380 \* -627.7763 \*

\* 271 \* -0.4404 \* -627.6697 \*\* 272 \* -2.0123 \* -627.2582 \*

\* 273 \* -3.5713 \* -626.5387 \*\* 274 \* -5.1109 \* -625.5062 \*

\* 275 \* -6.6246 \* -624.1539 \*\* 276 \* 18.2927 \* -617.5512 \*

\* 277 \* 14.8715 \* -619.0010 \*\* 278 \* 11.4503 \* -620.1295 \*

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\* 281 \* 1.1868 \* -621.6464 \*\* 282 \* -2.2344 \* -621.5392 \*

\* 283 \* -5.6556 \* -621.1255 \*\* 284 \* -9.0767 \* -620.4024 \*

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\* 287 \* 27.6847 \* -606.5930 \*\* 288 \* 22.3560 \* -608.0363 \*

\* 289 \* 17.0532 \* -609.1598 \*\* 290 \* 11.7699 \* -609.9703 \*

\* 291 \* 6.4995 \* -610.4728 \*\* 292 \* 1.2355 \* -610.6704 \*

\* 293 \* -4.0284 \* -610.5638 \*\* 294 \* -9.2988 \* -610.1523 \*

\* 295 \* -14.5822 \* -609.4328 \*\* 296 \* -19.8849 \* -608.4003 \*

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\* 301 \* 15.4773 \* -594.1774 \*\* 302 \* 8.3743 \* -594.6735 \*

\* 303 \* 1.2843 \* -594.8688 \*\* 304 \* -5.8058 \* -594.7644 \*

\* 305 \* -12.9087 \* -594.3593 \*\* 306 \* -20.0376 \* -593.6505 \*

\* 307 \* -27.2053 \* -592.6331 \*\* 308 \* -34.4248 \* -591.3000 \*

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\* 311 \* 28.0592 \* -572.8452 \*\* 312 \* 19.1181 \* -573.6271 \*

\* 313 \* 10.2158 \* -574.1125 \*\* 314 \* 1.3330 \* -574.3043 \*

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\* 317 \* -25.3931 \* -573.1182 \*\* 318 \* -34.3924 \* -572.1257 \*

\* 319 \* -43.4694 \* -570.8248 \*\* 320 \* 55.0278 \* -545.2714 \*

\* 321 \* 44.1432 \* -546.6183 \*\* 322 \* 33.3622 \* -547.6668 \*

\* 323 \* 22.6589 \* -548.4238 \*\* 324 \* 12.0073 \* -548.8942 \*

\* 325 \* 1.3817 \* -549.0810 \*\* 326 \* -9.2439 \* -548.9852 \*

\* 327 \* -19.8953 \* -548.6058 \*\* 328 \* -30.5986 \* -547.9398 \*

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\* 331 \* 63.5869 \* -515.6955 \*\* 332 \* 50.9613 \* -516.9846 \*

\* 333 \* 38.4653 \* -517.9881 \*\* 334 \* 26.0664 \* -518.7130 \*

\* 335 \* 13.7323 \* -519.1641 \*\* 336 \* 1.4305 \* -519.3446 \*

\* 337 \* -10.8712 \* -519.2553 \*\* 338 \* -23.2054 \* -518.8952 \*

\* 339 \* -35.6042 \* -518.2614 \*\* 340 \* -48.1001 \* -517.3489 \*

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\* 345 \* 29.3075 \* -484.6820 \*\* 346 \* 15.3741 \* -485.1097 \*

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\* 349 \* -26.3486 \* -484.8650 \*\* 350 \* -40.3599 \* -484.2705 \*

\* 351 \* -54.4876 \* -483.4130 \*\* 352 \* -68.7705 \* -482.2856 \*

\* 353 \* 79.3711 \* -443.9021 \*\* 354 \* 63.5306 \* -445.0368 \*

\* 355 \* 47.8717 \* -445.9203 \*\* 356 \* 32.3490 \* -446.5598 \*

\* 357 \* 16.9168 \* -446.9600 \*\* 358 \* 1.5295 \* -447.1240 \*

\* 359 \* -13.8582 \* -447.0524 \*\* 360 \* -29.2916 \* -446.7443 \*

\* 361 \* -44.8158 \* -446.1964 \*\* 362 \* -60.4757 \* -445.4039 \*

\* 363 \* -76.3165 \* -444.3598 \*\* 364 \* 86.4276 \* -402.1855 \*

\* 365 \* 69.1473 \* -403.2233 \*\* 366 \* 52.0750 \* -404.0318 \*

\* 367 \* 35.1580 \* -404.6178 \*\* 368 \* 18.3441 \* -404.9861 \*

\* 369 \* 1.5809 \* -405.1396 \*\* 370 \* -15.1834 \* -405.0790 \*

\* 371 \* -32.0005 \* -404.8031 \*\* 372 \* -48.9219 \* -404.3089 \*

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\* 375 \* 92.8132 \* -356.9962 \*\* 376 \* 74.2291 \* -357.9244 \*

\* 377 \* 55.8781 \* -358.6473 \*\* 378 \* 37.7011 \* -359.1719 \*

\* 379 \* 19.6387 \* -359.5024 \*\* 380 \* 1.6329 \* -359.6418 \*

\* 381 \* -16.3747 \* -359.5915 \*\* 382 \* -34.4424 \* -359.3505 \*

\* 383 \* -52.6283 \* -358.9160 \*\* 384 \* -70.9901 \* -358.2828 \*

\* 385 \* -89.5850 \* -357.4433 \*\* 386 \* 98.4457 \* -308.7016 \*

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\* 389 \* 39.9408 \* -310.5868 \*\* 390 \* 20.7767 \* -310.8693 \*

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\* 397 \* 103.2648 \* -257.7141 \*\* 398 \* 82.5482 \* -258.3956 \*

\* 399 \* 62.0872 \* -258.9129 \*\* 400 \* 41.8328 \* -259.2802 \*

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\* 409 \* 85.7090 \* -205.0331 \*\* 410 \* 64.4188 \* -205.4554 \*

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\* 429 \* -105.9040 \* -149.4907 \*\* 430 \* 114.2083 \* -92.6331 \*

\* 431 \* 89.8260 \* -92.3783 \*\* 432 \* 66.6245 \* -92.3046 \*

\* 433 \* 44.2960 \* -92.4529 \*\* 434 \* 22.5217 \* -92.7268 \*

\* 435 \* 1.0588 \* -93.0365 \*\* 436 \* -20.2778 \* -93.3213 \*

\* 437 \* -41.6345 \* -93.5463 \*\* 438 \* -63.1297 \* -93.6956 \*

\* 439 \* -84.8575 \* -93.7691 \*\* 440 \* -106.8882 \* -93.7895 \*

\* 441 \* 118.3903 \* -24.0532 \*\* 442 \* 91.9588 \* -28.0862 \*

\* 443 \* 68.0723 \* -31.2270 \*\* 444 \* 45.3880 \* -33.6188 \*

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s t r e s s e s

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\* \* \* \* \*

\* element \* sx \* sy \* sxy \*

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\* 174 \* 6.9797 \* -1.3265 \* -4.0836 \*

\* 174 \* 7.0867 \* -1.0768 \* -1.0131 \*

\* 174 \* 11.3854 \* 0.7655 \* -0.9846 \*

\* 174 \* 11.2784 \* 0.5158 \* -4.0551 \*

\* 175 \* 0.8998 \* -1.3833 \* -4.2866 \*

\* 175 \* 0.9355 \* -1.3001 \* -1.2305 \*

\* 175 \* 5.2140 \* 0.5336 \* -1.2210 \*

\* 175 \* 5.1784 \* 0.4503 \* -4.2771 \*

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\* 176 \* -5.2140 \* -1.5336 \* -1.2210 \*

\* 176 \* -0.9355 \* 0.3001 \* -1.2305 \*

\* 176 \* -0.8998 \* 0.3833 \* -4.2866 \*

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\* 177 \* -7.0867 \* 0.0768 \* -1.0131 \*

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\* 178 \* -17.6019 \* -1.9841 \* -0.5213 \*

\* 178 \* -13.2630 \* -0.1246 \* -0.5689 \*

\* 178 \* -13.0847 \* 0.2916 \* -3.6681 \*

\* 179 \* -23.6374 \* -1.5951 \* -2.9735 \*

\* 179 \* -23.8871 \* -2.1778 \* 0.1689 \*

\* 179 \* -19.4879 \* -0.2924 \* 0.1023 \*

\* 179 \* -19.2381 \* 0.2903 \* -3.0401 \*

\* 180 \* -29.9434 \* -1.5856 \* -2.1139 \*

\* 180 \* -30.2644 \* -2.3348 \* 1.0859 \*

\* 180 \* -25.7846 \* -0.4149 \* 1.0003 \*

\* 180 \* -25.4636 \* 0.3343 \* -2.1995 \*

\* 181 \* 27.6105 \* -1.3621 \* -2.2491 \*

\* 181 \* 27.8888 \* -0.7128 \* 1.2098 \*

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\* 181 \* 32.4529 \* 0.7132 \* -2.1749 \*

\* 182 \* 20.8677 \* -1.3291 \* -2.9737 \*

\* 182 \* 21.0841 \* -0.8242 \* 0.4276 \*

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\* 182 \* 25.6296 \* 0.7116 \* -2.9160 \*

\* 183 \* 14.1968 \* -1.3416 \* -3.5151 \*

\* 183 \* 14.3514 \* -0.9808 \* -0.1569 \*

\* 183 \* 19.0529 \* 1.0341 \* -0.1157 \*

\* 183 \* 18.8983 \* 0.6734 \* -3.4739 \*

\* 184 \* 7.5745 \* -1.3876 \* -3.8733 \*

\* 184 \* 7.6673 \* -1.1711 \* -0.5439 \*

\* 184 \* 12.3285 \* 0.8265 \* -0.5191 \*

\* 184 \* 12.2357 \* 0.6101 \* -3.8486 \*

\* 185 \* 0.9773 \* -1.4555 \* -4.0483 \*

\* 185 \* 1.0082 \* -1.3833 \* -0.7332 \*

\* 185 \* 5.6493 \* 0.6057 \* -0.7250 \*

\* 185 \* 5.6183 \* 0.5336 \* -4.0400 \*

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\* 187 \* -7.5745 \* 0.3876 \* -3.8733 \*

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\* 188 \* -19.0529 \* -2.0341 \* -0.1157 \*

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\* 190 \* -32.7312 \* -2.3625 \* 1.2840 \*

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\* 191 \* 29.6893 \* -0.8293 \* 1.4007 \*

\* 191 \* 34.8424 \* 1.3792 \* 1.4635 \*

\* 191 \* 34.6070 \* 0.8298 \* -2.2173 \*

\* 192 \* 22.2669 \* -1.3569 \* -2.8888 \*

\* 192 \* 22.4500 \* -0.9296 \* 0.7345 \*

\* 192 \* 27.5226 \* 1.2444 \* 0.7833 \*

\* 192 \* 27.3395 \* 0.8171 \* -2.8400 \*

\* 193 \* 15.1519 \* -1.3804 \* -3.3436 \*

\* 193 \* 15.2827 \* -1.0752 \* 0.2365 \*

\* 193 \* 20.2949 \* 1.0729 \* 0.2714 \*

\* 193 \* 20.1641 \* 0.7677 \* -3.3088 \*

\* 194 \* 8.0854 \* -1.4375 \* -3.6445 \*

\* 194 \* 8.1638 \* -1.2544 \* -0.0931 \*

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\* 195 \* 1.0439 \* -1.5165 \* -3.7915 \*

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\* 195 \* 6.0220 \* 0.6667 \* -0.2474 \*

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\* 201 \* 31.1862 \* -0.9348 \* 1.5731 \*

\* 201 \* 36.5983 \* 1.3847 \* 1.6245 \*

\* 201 \* 36.4056 \* 0.9352 \* -2.2413 \*

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\* 202 \* 23.5855 \* -1.0239 \* 1.0228 \*

\* 202 \* 28.9170 \* 1.2610 \* 1.0628 \*

\* 202 \* 28.7672 \* 0.9114 \* -2.7455 \*

\* 203 \* 15.9497 \* -1.4082 \* -3.1537 \*

\* 203 \* 16.0567 \* -1.1584 \* 0.6115 \*

\* 203 \* 21.3279 \* 1.1007 \* 0.6400 \*

\* 203 \* 21.2209 \* 0.8509 \* -3.1251 \*

\* 204 \* 8.5123 \* -1.4764 \* -3.3972 \*

\* 204 \* 8.5765 \* -1.3265 \* 0.3392 \*

\* 204 \* 13.8074 \* 0.9153 \* 0.3563 \*

\* 204 \* 13.7432 \* 0.7655 \* -3.3801 \*

\* 205 \* 1.0999 \* -1.5665 \* -3.5161 \*

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\* 205 \* 6.3322 \* 0.7167 \* 0.2116 \*

\* 205 \* 6.3108 \* 0.6667 \* -3.5104 \*

\* 206 \* -6.3108 \* -1.6667 \* -3.5104 \*

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\* 207 \* -13.8074 \* -1.9153 \* 0.3563 \*

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\* 211 \* 32.3794 \* -1.0291 \* 1.7271 \*

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\* 211 \* 37.8488 \* 1.0296 \* -2.2467 \*

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\* 214 \* 8.8552 \* -1.5041 \* -3.1314 \*

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\* 215 \* 1.1452 \* -1.6053 \* -3.2223 \*

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\* 224 \* 9.1499 \* -1.4375 \* 1.1482 \*

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\* 268 \* -23.1374 \* -2.0341 \* 2.4633 \*

\* 268 \* -17.4000 \* 0.4248 \* 2.4728 \*

\* 268 \* -17.4357 \* 0.3416 \* -1.6253 \*

\* 269 \* -31.4070 \* -2.2444 \* -1.7901 \*

\* 269 \* -31.3571 \* -2.1278 \* 2.3511 \*

\* 269 \* -25.5593 \* 0.3569 \* 2.3644 \*

\* 269 \* -25.6093 \* 0.2404 \* -1.7768 \*

\* 270 \* -39.7330 \* -2.3348 \* -1.9966 \*

\* 270 \* -39.6688 \* -2.1849 \* 2.2022 \*

\* 270 \* -33.7906 \* 0.3343 \* 2.2193 \*

\* 270 \* -33.8548 \* 0.1845 \* -1.9794 \*

\* 271 \* 33.2690 \* -1.1124 \* -1.8625 \*

\* 271 \* 33.1620 \* -1.3621 \* 2.2622 \*

\* 271 \* 38.9367 \* 1.1128 \* 2.2337 \*

\* 271 \* 39.0437 \* 1.3625 \* -1.8911 \*

\* 272 \* 25.1651 \* -1.1793 \* -1.5441 \*

\* 272 \* 25.0819 \* -1.3735 \* 2.5232 \*

\* 272 \* 30.7761 \* 1.0668 \* 2.5010 \*

\* 272 \* 30.8593 \* 1.2611 \* -1.5662 \*

\* 273 \* 17.1332 \* -1.2916 \* -1.3060 \*

\* 273 \* 17.0737 \* -1.4303 \* 2.7182 \*

\* 273 \* 22.7075 \* 0.9842 \* 2.7023 \*

\* 273 \* 22.7670 \* 1.1229 \* -1.3218 \*

\* 274 \* 9.1498 \* -1.4375 \* -1.1483 \*

\* 274 \* 9.1141 \* -1.5207 \* 2.8471 \*

\* 274 \* 14.7077 \* 0.8765 \* 2.8376 \*

\* 274 \* 14.7434 \* 0.9598 \* -1.1578 \*

\* 275 \* 1.1915 \* -1.6053 \* -1.0710 \*

\* 275 \* 1.1796 \* -1.6330 \* 2.9100 \*

\* 275 \* 6.7530 \* 0.7556 \* 2.9068 \*

\* 275 \* 6.7649 \* 0.7833 \* -1.0742 \*

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\* 276 \* -1.1917 \* 0.6054 \* -1.0710 \*

\* 277 \* -14.7434 \* -1.9597 \* -1.1577 \*

\* 277 \* -14.7078 \* -1.8764 \* 2.8377 \*

\* 277 \* -9.1142 \* 0.5208 \* 2.8472 \*

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\* 278 \* -22.7670 \* -2.1228 \* -1.3217 \*

\* 278 \* -22.7075 \* -1.9841 \* 2.7024 \*

\* 278 \* -17.0738 \* 0.4304 \* 2.7183 \*

\* 278 \* -17.1332 \* 0.2916 \* -1.3058 \*

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\* 280 \* -38.9365 \* -2.1128 \* 2.2337 \*

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\* 280 \* -33.2689 \* 0.1123 \* -1.8625 \*

\* 281 \* 32.3795 \* -1.0291 \* -1.7271 \*

\* 281 \* 32.2297 \* -1.3787 \* 2.2867 \*

\* 281 \* 37.8490 \* 1.0296 \* 2.2467 \*

\* 281 \* 37.9989 \* 1.3792 \* -1.7671 \*

\* 282 \* 24.4905 \* -1.1072 \* -1.2927 \*

\* 282 \* 24.3740 \* -1.3791 \* 2.6636 \*

\* 282 \* 29.9128 \* 0.9947 \* 2.6325 \*

\* 282 \* 30.0293 \* 1.2666 \* -1.3238 \*

\* 283 \* 16.6735 \* -1.2306 \* -0.9680 \*

\* 283 \* 16.5903 \* -1.4248 \* 2.9452 \*

\* 283 \* 22.0687 \* 0.9231 \* 2.9230 \*

\* 283 \* 22.1519 \* 1.1173 \* -0.9902 \*

\* 284 \* 8.9050 \* -1.3876 \* -0.7530 \*

\* 284 \* 8.8551 \* -1.5041 \* 3.1314 \*

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\* 284 \* 14.3432 \* 0.9430 \* -0.7663 \*

\* 285 \* 1.1617 \* -1.5666 \* -0.6477 \*

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\* 292 \* 23.4356 \* -1.3736 \* 2.7856 \*

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\* 293 \* 16.0566 \* -1.1588 \* -0.6114 \*

\* 293 \* 15.9497 \* -1.4083 \* 3.1537 \*

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\* 295 \* 1.1211 \* -1.5173 \* -0.2059 \*

\* 295 \* 1.1000 \* -1.5667 \* 3.5161 \*

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\* 301 \* 29.4534 \* -1.3789 \* 2.2804 \*

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\* 363 \* 6.8926 \* -0.8169 \* 3.7745 \*

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\* 363 \* 9.9692 \* 1.2271 \* 1.7474 \*

\* 364 \* 3.6419 \* 0.1537 \* 2.6735 \*

\* 364 \* 3.2719 \* -0.7096 \* 4.5062 \*

\* 364 \* 5.8377 \* 0.3900 \* 4.4075 \*

\* 364 \* 6.2077 \* 1.2533 \* 2.5748 \*

\* 365 \* 0.1578 \* -0.0187 \* 3.3032 \*

\* 365 \* -0.1091 \* -0.6416 \* 4.9965 \*

\* 365 \* 2.2616 \* 0.3744 \* 4.9253 \*

\* 365 \* 2.5285 \* 0.9973 \* 3.2320 \*

\* 366 \* -3.1668 \* -0.3702 \* 3.5899 \*

\* 366 \* -3.2815 \* -0.6377 \* 5.1693 \*

\* 366 \* -1.0704 \* 0.3099 \* 5.1387 \*

\* 366 \* -0.9557 \* 0.5774 \* 3.5593 \*

\* 367 \* -6.3825 \* -0.8138 \* 3.4497 \*

\* 367 \* -6.3283 \* -0.6871 \* 4.9646 \*

\* 367 \* -4.2074 \* 0.2218 \* 4.9791 \*

\* 367 \* -4.2617 \* 0.0951 \* 3.4642 \*

\* 368 \* -9.5733 \* -1.2902 \* 2.8370 \*

\* 368 \* -9.3464 \* -0.7606 \* 4.3442 \*

\* 368 \* -7.2364 \* 0.1437 \* 4.4047 \*

\* 368 \* -7.4634 \* -0.3860 \* 2.8976 \*

\* 369 \* -12.8536 \* -1.7639 \* 1.7193 \*

\* 369 \* -12.4508 \* -0.8241 \* 3.2866 \*

\* 369 \* -10.2566 \* 0.1162 \* 3.3940 \*

\* 369 \* -10.6594 \* -0.8235 \* 1.8267 \*

\* 370 \* -16.3520 \* -2.1749 \* 0.0836 \*

\* 370 \* -15.7799 \* -0.8399 \* 1.7918 \*

\* 370 \* -13.3885 \* 0.1849 \* 1.9444 \*

\* 370 \* -13.9607 \* -1.1500 \* 0.2362 \*

\* 371 \* 11.8169 \* -1.2284 \* -0.2468 \*

\* 371 \* 11.9987 \* -0.8042 \* 1.3207 \*

\* 371 \* 14.1932 \* 0.1363 \* 1.3691 \*

\* 371 \* 14.0114 \* -0.2879 \* -0.1983 \*

\* 372 \* 8.4816 \* 0.7841 \* 0.0518 \*

\* 372 \* 7.7935 \* -0.8214 \* 2.3207 \*

\* 372 \* 10.9700 \* 0.5399 \* 2.1372 \*

\* 372 \* 11.6580 \* 2.1454 \* -0.1317 \*

\* 373 \* 4.8571 \* 1.1790 \* 1.6404 \*

\* 373 \* 4.1356 \* -0.5045 \* 3.4625 \*

\* 373 \* 6.6866 \* 0.5888 \* 3.2701 \*

\* 373 \* 7.4081 \* 2.2723 \* 1.4480 \*

\* 374 \* 1.7536 \* 0.7470 \* 3.1600 \*

\* 374 \* 1.3138 \* -0.2794 \* 4.5411 \*

\* 374 \* 3.2473 \* 0.5492 \* 4.4238 \*

\* 374 \* 3.6872 \* 1.5756 \* 3.0427 \*

\* 375 \* -0.8355 \* 0.0729 \* 4.1761 \*

\* 375 \* -0.9629 \* -0.2242 \* 5.2795 \*

\* 375 \* 0.5819 \* 0.4379 \* 5.2455 \*

\* 375 \* 0.7092 \* 0.7349 \* 4.1421 \*

\* 376 \* -3.0717 \* -0.5666 \* 4.5990 \*

\* 376 \* -2.9498 \* -0.2822 \* 5.5602 \*

\* 376 \* -1.6042 \* 0.2944 \* 5.5927 \*

\* 376 \* -1.7261 \* 0.0101 \* 4.6315 \*

\* 377 \* -5.1025 \* -1.0747 \* 4.4494 \*

\* 377 \* -4.8059 \* -0.3827 \* 5.3532 \*

\* 377 \* -3.5406 \* 0.1596 \* 5.4323 \*

\* 377 \* -3.8371 \* -0.5324 \* 4.5285 \*

\* 378 \* -7.0319 \* -1.4483 \* 3.7634 \*

\* 378 \* -6.6134 \* -0.4717 \* 4.6546 \*

\* 378 \* -5.3657 \* 0.0630 \* 4.7662 \*

\* 378 \* -5.7843 \* -0.9136 \* 3.8750 \*

\* 379 \* -8.9426 \* -1.7453 \* 2.5420 \*

\* 379 \* -8.4134 \* -0.5106 \* 3.4455 \*

\* 379 \* -7.1484 \* 0.0315 \* 3.5866 \*

\* 379 \* -7.6776 \* -1.2032 \* 2.6831 \*

\* 380 \* -11.0113 \* -2.1008 \* 0.6848 \*

\* 380 \* -10.3134 \* -0.4724 \* 1.6702 \*

\* 380 \* -8.9338 \* 0.1189 \* 1.8563 \*

\* 380 \* -9.6317 \* -1.5096 \* 0.8709 \*

\* 381 \* 10.7104 \* 5.4412 \* -3.7983 \*

\* 381 \* 7.9162 \* -1.0788 \* 0.9096 \*

\* 381 \* 14.5072 \* 1.7459 \* 0.1645 \*

\* 381 \* 17.3015 \* 8.2659 \* -4.5434 \*

\* 382 \* 4.1458 \* 1.9147 \* 0.3673 \*

\* 382 \* 3.1815 \* -0.3354 \* 2.3427 \*

\* 382 \* 5.9470 \* 0.8499 \* 2.0855 \*

\* 382 \* 6.9113 \* 3.0999 \* 0.1102 \*

\* 383 \* 0.7010 \* -1.0691 \* 3.2740 \*

\* 383 \* 1.0737 \* -0.1993 \* 4.1322 \*

\* 383 \* 2.2752 \* 0.3156 \* 4.2316 \*

\* 383 \* 1.9024 \* -0.5542 \* 3.3734 \*

\* 384 \* -1.1211 \* -2.7904 \* 4.8599 \*

\* 384 \* -0.1172 \* -0.4480 \* 5.3245 \*

\* 384 \* 0.5333 \* -0.1692 \* 5.5922 \*

\* 384 \* -0.4706 \* -2.5117 \* 5.1276 \*

\* 385 \* -2.2000 \* -3.5173 \* 5.4904 \*

\* 385 \* -1.0108 \* -0.7425 \* 5.8574 \*

\* 385 \* -0.4969 \* -0.5223 \* 6.1745 \*

\* 385 \* -1.6861 \* -3.2971 \* 5.8075 \*

\* 386 \* -2.9840 \* -3.6069 \* 5.4457 \*

\* 386 \* -1.8337 \* -0.9230 \* 5.8249 \*

\* 386 \* -1.3028 \* -0.6954 \* 6.1316 \*

\* 386 \* -2.4531 \* -3.3793 \* 5.7524 \*

\* 387 \* -3.6801 \* -3.3359 \* 4.8978 \*

\* 387 \* -2.6563 \* -0.9469 \* 5.3165 \*

\* 387 \* -2.0701 \* -0.6957 \* 5.5895 \*

\* 387 \* -3.0940 \* -3.0846 \* 5.1709 \*

\* 388 \* -4.3466 \* -2.8877 \* 3.9502 \*

\* 388 \* -3.4632 \* -0.8265 \* 4.3879 \*

\* 388 \* -2.8504 \* -0.5639 \* 4.6234 \*

\* 388 \* -3.7338 \* -2.6251 \* 4.1857 \*

\* 389 \* -4.9060 \* -2.3763 \* 2.6696 \*

\* 389 \* -4.1404 \* -0.5899 \* 3.0510 \*

\* 389 \* -3.6064 \* -0.3611 \* 3.2552 \*

\* 389 \* -4.3720 \* -2.1475 \* 2.8737 \*

\* 390 \* -5.0834 \* -1.9049 \* 1.0820 \*

\* 390 \* -4.3693 \* -0.2387 \* 1.2229 \*

\* 390 \* -4.1721 \* -0.1542 \* 1.4133 \*

\* 390 \* -4.8862 \* -1.8204 \* 1.2725 \*

\* 391 \* -4.2234 \* -36.1715 \* 0.3109 \*

\* 391 \* 10.0584 \* -2.8473 \* 4.8612 \*

\* 391 \* 16.4289 \* -0.1171 \* 8.6697 \*

\* 391 \* 2.1471 \* -33.4412 \* 4.1193 \*

\* 392 \* -5.6256 \* -29.4603 \* 3.6961 \*

\* 392 \* 5.0816 \* -4.4769 \* 5.2174 \*

\* 392 \* 7.2113 \* -3.5642 \* 8.0726 \*

\* 392 \* -3.4959 \* -28.5476 \* 6.5514 \*

\* 393 \* -4.7784 \* -23.1213 \* 4.2852 \*

\* 393 \* 2.6945 \* -5.6846 \* 5.0751 \*

\* 393 \* 3.8003 \* -5.2107 \* 7.0679 \*

\* 393 \* -3.6726 \* -22.6474 \* 6.2780 \*

\* 394 \* -3.6883 \* -17.6179 \* 4.1221 \*

\* 394 \* 1.3184 \* -5.9355 \* 4.7230 \*

\* 394 \* 2.1597 \* -5.5749 \* 6.0582 \*

\* 394 \* -2.8470 \* -17.2573 \* 5.4572 \*

\* 395 \* -2.7971 \* -12.9614 \* 3.7350 \*

\* 395 \* 0.4155 \* -5.4653 \* 4.2814 \*

\* 395 \* 1.1805 \* -5.1375 \* 5.1381 \*

\* 395 \* -2.0322 \* -12.6336 \* 4.5917 \*

\* 396 \* -2.1645 \* -9.0790 \* 3.2484 \*

\* 396 \* -0.2346 \* -4.5760 \* 3.7625 \*

\* 396 \* 0.4852 \* -4.2675 \* 4.2772 \*

\* 396 \* -1.4447 \* -8.7705 \* 3.7630 \*

\* 397 \* -1.7606 \* -5.9322 \* 2.6681 \*

\* 397 \* -0.7209 \* -3.5063 \* 3.1355 \*

\* 397 \* -0.0666 \* -3.2258 \* 3.4128 \*

\* 397 \* -1.1062 \* -5.6517 \* 2.9454 \*

\* 398 \* -1.5320 \* -3.5401 \* 1.9722 \*

\* 398 \* -1.0544 \* -2.4257 \* 2.3573 \*

\* 398 \* -0.5154 \* -2.1947 \* 2.4846 \*

\* 398 \* -0.9930 \* -3.3091 \* 2.0996 \*

\* 399 \* -1.3755 \* -1.9586 \* 1.1629 \*

\* 399 \* -1.1597 \* -1.4550 \* 1.3936 \*

\* 399 \* -0.8367 \* -1.3166 \* 1.4512 \*

\* 399 \* -1.0525 \* -1.8201 \* 1.2205 \*

\* 400 \* -0.9845 \* -1.2006 \* 0.3571 \*

\* 400 \* -0.7714 \* -0.7034 \* 0.2529 \*

\* 400 \* -0.9173 \* -0.7659 \* 0.3097 \*

\* 400 \* -1.1304 \* -1.2632 \* 0.4139 \*

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Plain Stress Case (3-noded)

Plain Stress case

Elastic matrix D

1.07 0.27 0.00

0.27 1.07 0.00

0.00 0.00 0.40

Connectivity Matrix

1 1 12 2

2 2 12 13

3 2 13 3

4 3 13 14

5 3 14 4

6 4 14 15

7 4 15 5

8 5 15 16

9 5 16 6

10 6 16 17

11 6 17 7

12 7 17 18

13 7 18 8

14 8 18 19

15 8 19 9

16 9 19 20

17 9 20 10

18 10 20 21

19 10 21 11

20 11 21 22

21 12 23 13

22 13 23 24

23 13 24 14

24 14 24 25

25 14 25 15

26 15 25 26

27 15 26 16

28 16 26 27

29 16 27 17

30 17 27 28

31 17 28 18

32 18 28 29

33 18 29 19

34 19 29 30

35 19 30 20

36 20 30 31

37 20 31 21

38 21 31 32

39 21 32 22

40 22 32 33

41 23 34 24

42 24 34 35

43 24 35 25

44 25 35 36

45 25 36 26

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104 58 68 69

105 58 69 59

106 59 69 70

107 59 70 60

108 60 70 71

109 60 71 61

110 61 71 72

111 61 72 62

112 62 72 73

113 62 73 63

114 63 73 74

115 63 74 64

116 64 74 75

117 64 75 65

118 65 75 76

119 65 76 66

120 66 76 77

121 67 78 68

122 68 78 79

123 68 79 69

124 69 79 80

125 69 80 70

126 70 80 81

127 70 81 71

128 71 81 82

129 71 82 72

130 72 82 83

131 72 83 73

132 73 83 84

133 73 84 74

134 74 84 85

135 74 85 75

136 75 85 86

137 75 86 76

138 76 86 87

139 76 87 77

140 77 87 88

141 78 89 79

142 79 89 90

143 79 90 80

144 80 90 91

145 80 91 81

146 81 91 92

147 81 92 82

148 82 92 93

149 82 93 83

150 83 93 94

151 83 94 84

152 84 94 95

153 84 95 85

154 85 95 96

155 85 96 86

156 86 96 97

157 86 97 87

158 87 97 98

159 87 98 88

160 88 98 99

161 89 100 90

162 90 100 101

163 90 101 91

164 91 101 102

165 91 102 92

166 92 102 103

167 92 103 93

168 93 103 104

169 93 104 94

170 94 104 105

171 94 105 95

172 95 105 106

173 95 106 96

174 96 106 107

175 96 107 97

176 97 107 108

177 97 108 98

178 98 108 109

179 98 109 99

180 99 109 110

181 100 111 101

182 101 111 112

183 101 112 102

184 102 112 113

185 102 113 103

186 103 113 114

187 103 114 104

188 104 114 115

189 104 115 105

190 105 115 116

191 105 116 106

192 106 116 117

193 106 117 107

194 107 117 118

195 107 118 108

196 108 118 119

197 108 119 109

198 109 119 120

199 109 120 110

200 110 120 121

201 111 122 112

202 112 122 123

203 112 123 113

204 113 123 124

205 113 124 114

206 114 124 125

207 114 125 115

208 115 125 126

209 115 126 116

210 116 126 127

211 116 127 117

212 117 127 128

213 117 128 118

214 118 128 129

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216 119 129 130

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222 123 133 134

223 123 134 124

224 124 134 135

225 124 135 125

226 125 135 136

227 125 136 126

228 126 136 137

229 126 137 127

230 127 137 138

231 127 138 128

232 128 138 139

233 128 139 129

234 129 139 140

235 129 140 130

236 130 140 141

237 130 141 131

238 131 141 142

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247 136 147 137

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249 137 148 138

250 138 148 149

251 138 149 139

252 139 149 150

253 139 150 140

254 140 150 151

255 140 151 141

256 141 151 152

257 141 152 142

258 142 152 153

259 142 153 143

260 143 153 154

261 144 155 145

262 145 155 156

263 145 156 146

264 146 156 157

265 146 157 147

266 147 157 158

267 147 158 148

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269 148 159 149

270 149 159 160

271 149 160 150

272 150 160 161

273 150 161 151

274 151 161 162

275 151 162 152

276 152 162 163

277 152 163 153

278 153 163 164

279 153 164 154

280 154 164 165

281 155 166 156

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283 156 167 157

284 157 167 168

285 157 168 158

286 158 168 169

287 158 169 159

288 159 169 170

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291 160 171 161

292 161 171 172

293 161 172 162

294 162 172 173

295 162 173 163

296 163 173 174

297 163 174 164

298 164 174 175

299 164 175 165

300 165 175 176

301 166 177 167

302 167 177 178

303 167 178 168

304 168 178 179

305 168 179 169

306 169 179 180

307 169 180 170

308 170 180 181

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310 171 181 182

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314 173 183 184

315 173 184 174

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326 180 190 191

327 180 191 181

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329 181 192 182

330 182 192 193

331 182 193 183

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340 187 197 198

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343 189 200 190

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414 228 238 239

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711 391 402 392

712 392 402 403

713 392 403 393

714 393 403 404

715 393 404 394

716 394 404 405

717 394 405 395

718 395 405 406

719 395 406 396

720 396 406 407

721 397 408 398

722 398 408 409

723 398 409 399

724 399 409 410

725 399 410 400

726 400 410 411

727 400 411 401

728 401 411 412

729 401 412 402

730 402 412 413

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735 404 415 405

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742 409 419 420

743 409 420 410

744 410 420 421

745 410 421 411

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766 422 432 433

767 422 433 423

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769 423 434 424

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772 425 435 436

773 425 436 426

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775 426 437 427

776 427 437 438

777 427 438 428

778 428 438 439

779 428 439 429

780 429 439 440

781 430 441 431

782 431 441 442

783 431 442 432

784 432 442 443

785 432 443 433

786 433 443 444

787 433 444 434

788 434 444 445

789 434 445 435

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792 436 446 447

793 436 447 437

794 437 447 448

795 437 448 438

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800 440 450 451

Displacement Boundary Conditions

node 1 2 3 4 5 6 7 8 9 10 11

ux=0.0 ux=0.0 ux=0.0 ux=0.0 ux=0.0 ux=0.0 ux=0.0 ux=0.0 ux=0.0 ux=0.0 ux=0.0

uy=0.0 uy=0.0 uy=0.0 uy=0.0 uy=0.0 uy=0.0 uy=0.0 uy=0.0 uy=0.0 uy=0.0 uy=0.0

Traction BC

node 11 22 33 44 55 66 77 88 99 110

fx=0.0 fx=0.0 fx=0.0 fx=0.0 fx=0.0 fx=0.0 fx=0.0 fx=0.0 fx=0.0 fx=0.0

fy=-0.13 fy=-0.25 fy=-0.25 fy=-0.25 fy=-0.25 fy=-0.25 fy=-0.25 fy=-0.25 fy=-0.25 fy=-0.25

node 121 132 143 154 165 176 187 198 209 220

fx=0.0 fx=0.0 fx=0.0 fx=0.0 fx=0.0 fx=0.0 fx=0.0 fx=0.0 fx=0.0 fx=0.0

fy=-0.25 fy=-0.25 fy=-0.25 fy=-0.25 fy=-0.25 fy=-0.25 fy=-0.25 fy=-0.25 fy=-0.25 fy=-0.25

node 231 242 253 264 275 286 297 308 319 330

fx=0.0 fx=0.0 fx=0.0 fx=0.0 fx=0.0 fx=0.0 fx=0.0 fx=0.0 fx=0.0 fx=0.0

fy=-0.25 fy=-0.25 fy=-0.25 fy=-0.25 fy=-0.25 fy=-0.25 fy=-0.25 fy=-0.25 fy=-0.25 fy=-0.25

node 341 352 363 374 385 396 407 418 429 440

fx=0.0 fx=0.0 fx=0.0 fx=0.0 fx=0.0 fx=0.0 fx=0.0 fx=0.0 fx=0.0 fx=0.0

fy=-0.25 fy=-0.25 fy=-0.25 fy=-0.25 fy=-0.25 fy=-0.25 fy=-0.25 fy=-0.25 fy=-0.25 fy=-0.25

node 242

fx=0.0

fy=-0.25

d i s p l a c e m e n t s

................................................................................

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

\* \* \* \*\* \* \* \*

\* node \* ux \* uy \*\* node \* ux \* uy \*

\* \* \* \*\* \* \* \*

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

\* 1 \* 0.0000 \* 0.0000 \*\* 2 \* 0.0000 \* 0.0000 \*

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\* 17 \* -0.0495 \* -7.0371 \*\* 18 \* 2.7275 \* -7.1605 \*

\* 19 \* 5.6129 \* -7.4929 \*\* 20 \* 8.7490 \* -8.0842 \*

\* 21 \* 12.3766 \* -9.0309 \*\* 22 \* 16.9781 \* -10.5053 \*

\* 23 \* -30.3906 \* -25.2829 \*\* 24 \* -23.4122 \* -24.1533 \*

\* 25 \* -17.0571 \* -23.3075 \*\* 26 \* -11.1452 \* -22.7368 \*

\* 27 \* -5.5107 \* -22.4280 \*\* 28 \* -0.0037 \* -22.3723 \*

\* 29 \* 5.5183 \* -22.5701 \*\* 30 \* 11.2014 \* -23.0317 \*

\* 31 \* 17.2032 \* -23.7733 \*\* 32 \* 23.6875 \* -24.8030 \*

\* 33 \* 30.7655 \* -26.0778 \*\* 34 \* -42.3829 \* -46.8065 \*

\* 35 \* -33.0540 \* -45.8351 \*\* 36 \* -24.2854 \* -45.0921 \*

\* 37 \* -15.9364 \* -44.5837 \*\* 38 \* -7.8620 \* -44.3122 \*

\* 39 \* 0.0818 \* -44.2780 \*\* 40 \* 8.0372 \* -44.4816 \*

\* 41 \* 16.1442 \* -44.9225 \*\* 42 \* 24.5387 \* -45.5969 \*

\* 43 \* 33.3478 \* -46.4948 \*\* 44 \* 42.6934 \* -47.6059 \*

\* 45 \* -52.4866 \* -73.6780 \*\* 46 \* -41.1735 \* -72.8716 \*

\* 47 \* -30.3837 \* -72.2540 \*\* 48 \* -19.9872 \* -71.8321 \*

\* 49 \* -9.8516 \* -71.6104 \*\* 50 \* 0.1561 \* -71.5910 \*

\* 51 \* 10.1682 \* -71.7737 \*\* 52 \* 20.3150 \* -72.1560 \*

\* 53 \* 30.7238 \* -72.7333 \*\* 54 \* 41.5203 \* -73.4999 \*

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\* 59 \* -23.3208 \* -103.5378 \*\* 60 \* -11.4918 \* -103.3651 \*

\* 61 \* 0.2138 \* -103.3585 \*\* 62 \* 11.9199 \* -103.5179 \*

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\* 67 \* -67.3780 \* -139.9573 \*\* 68 \* -53.1460 \* -139.4577 \*

\* 69 \* -39.3830 \* -139.0775 \*\* 70 \* -25.9719 \* -138.8227 \*

\* 71 \* -12.7959 \* -138.6975 \*\* 72 \* 0.2624 \* -138.7041 \*

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\* 75 \* 39.9011 \* -139.5131 \*\* 76 \* 53.6579 \* -140.0369 \*

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\* 85 \* 28.5861 \* -177.1389 \*\* 86 \* 43.0012 \* -177.4575 \*

\* 87 \* 57.7476 \* -177.8694 \*\* 88 \* 72.9363 \* -178.3689 \*

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\* 93 \* -14.4534 \* -216.8121 \*\* 94 \* 0.3509 \* -216.8461 \*

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\* 97 \* 45.1776 \* -217.3683 \*\* 98 \* 60.6064 \* -217.6743 \*

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\* 103 \* -30.1713 \* -258.0531 \*\* 104 \* -14.8391 \* -258.0581 \*

\* 105 \* 0.3937 \* -258.1049 \*\* 106 \* 15.6258 \* -258.1945 \*

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\* 109 \* 62.3020 \* -258.7028 \*\* 110 \* 78.5156 \* -258.9385 \*

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\* 201 \* -25.9287 \* -580.8448 \*\* 202 \* -16.9638 \* -581.2425 \*

\* 203 \* -8.0857 \* -581.5026 \*\* 204 \* 0.7485 \* -581.6277 \*

\* 205 \* 9.5820 \* -581.6186 \*\* 206 \* 18.4579 \* -581.4744 \*

\* 207 \* 27.4191 \* -581.1927 \*\* 208 \* 36.5088 \* -580.7694 \*

\* 209 \* 45.7701 \* -580.1988 \*\* 210 \* -36.4472 \* -601.1120 \*

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\* 215 \* 0.7844 \* -603.2538 \*\* 216 \* 8.0808 \* -603.2380 \*

\* 217 \* 15.4134 \* -603.0760 \*\* 218 \* 22.8191 \* -602.7654 \*

\* 219 \* 30.3349 \* -602.3021 \*\* 220 \* 37.9975 \* -601.6803 \*

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\* 267 \* 5.6802 \* -643.4393 \*\* 268 \* 4.1155 \* -643.9327 \*

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\* 275 \* -6.8582 \* -642.4104 \*\* 276 \* 18.3806 \* -635.6740 \*

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\* 279 \* 7.9453 \* -637.7132 \*\* 280 \* 4.4654 \* -638.0282 \*

\* 281 \* 0.9847 \* -638.1662 \*\* 282 \* -2.4967 \* -638.1282 \*

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\* 291 \* 6.3923 \* -626.8446 \*\* 292 \* 1.0156 \* -626.9811 \*

\* 293 \* -4.3618 \* -626.9424 \*\* 294 \* -9.7461 \* -626.7275 \*

\* 295 \* -15.1434 \* -626.3342 \*\* 296 \* -20.5600 \* -625.7582 \*

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\* 409 \* 87.5716 \* -212.4676 \*\* 410 \* 65.6372 \* -212.6902 \*

\* 411 \* 43.9417 \* -212.8170 \*\* 412 \* 22.4471 \* -212.8722 \*

\* 413 \* 1.0907 \* -212.8741 \*\* 414 \* -20.2079 \* -212.8332 \*

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\* 433 \* 45.2829 \* -96.9520 \*\* 434 \* 22.8535 \* -97.3623 \*

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\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

s t r e s s e s

................................

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

\* \* \* \* \*

\* element \* sx \* sy \* sxy \*

\* \* \* \* \*

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

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\* 23 \* -45.6083 \* -3.4780 \* -10.9314 \*

\* 24 \* -33.1254 \* 0.1767 \* 0.7233 \*

\* 25 \* -34.0473 \* -3.5108 \* -12.3899 \*

\* 26 \* -21.7628 \* 0.2659 \* -0.9367 \*

\* 27 \* -22.5723 \* -2.9722 \* -13.1207 \*

\* 28 \* -10.6480 \* 0.4264 \* -1.9793 \*

\* 29 \* -11.2914 \* -2.1472 \* -13.4273 \*

\* 30 \* 0.3440 \* 0.6430 \* -2.5084 \*

\* 31 \* -0.1338 \* -1.2682 \* -13.4285 \*

\* 32 \* 11.3802 \* 0.8670 \* -2.5672 \*

\* 33 \* 11.0214 \* -0.5682 \* -13.1134 \*

\* 34 \* 22.6133 \* 1.0377 \* -2.1297 \*

\* 35 \* 22.2673 \* -0.3463 \* -12.3177 \*

\* 36 \* 34.0933 \* 1.1070 \* -1.0955 \*

\* 37 \* 33.5466 \* -1.0801 \* -10.5923 \*

\* 38 \* 45.5137 \* 1.0809 \* 0.7017 \*

\* 39 \* 44.3278 \* -3.6627 \* -6.8296 \*

\* 40 \* 55.4269 \* 1.1093 \* 3.3961 \*

\* 41 \* -48.1547 \* -0.7429 \* -6.5239 \*

\* 42 \* -38.5481 \* 0.0773 \* 2.6246 \*

\* 43 \* -38.8831 \* -1.2627 \* -9.2704 \*

\* 44 \* -28.8596 \* 0.2152 \* 0.2191 \*

\* 45 \* -29.3192 \* -1.6232 \* -11.2078 \*

\* 46 \* -19.0869 \* 0.3119 \* -1.5589 \*

\* 47 \* -19.6189 \* -1.8163 \* -12.4169 \*

\* 48 \* -9.3084 \* 0.3883 \* -2.7172 \*

\* 49 \* -9.8839 \* -1.9140 \* -12.9867 \*

\* 50 \* 0.4557 \* 0.4552 \* -3.2739 \*

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\* 52 \* 10.2043 \* 0.5150 \* -3.2368 \*

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\* 56 \* 29.5001 \* 0.6315 \* -1.3397 \*

\* 57 \* 28.5524 \* -3.1594 \* -8.9806 \*

\* 58 \* 38.8230 \* 0.7259 \* 0.5295 \*

\* 59 \* 37.8183 \* -3.2928 \* -6.3949 \*

\* 60 \* 47.9299 \* 0.8719 \* 2.9374 \*

\* 61 \* -40.5188 \* -0.4153 \* -5.6789 \*

\* 62 \* -32.4930 \* -0.0599 \* 1.9938 \*

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\* 64 \* -24.3724 \* 0.0833 \* -0.2999 \*

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\* 66 \* -16.1584 \* 0.1794 \* -2.0115 \*

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\* 69 \* -8.3979 \* -1.7583 \* -11.9019 \*

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\* 76 \* 24.8503 \* 0.4396 \* -1.7827 \*

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\* 78 \* 32.8247 \* 0.5394 \* -0.0223 \*

\* 79 \* 31.9063 \* -3.1340 \* -5.8257 \*

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\* 82 \* -26.7373 \* -0.1967 \* 1.3750 \*

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\* 84 \* -20.0696 \* -0.0601 \* -0.7995 \*

\* 85 \* -20.2665 \* -0.8477 \* -9.0063 \*

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\* 87 \* -13.6320 \* -1.1913 \* -10.1867 \*

\* 88 \* -6.5377 \* 0.0919 \* -3.4917 \*

\* 89 \* -6.9464 \* -1.5427 \* -10.7765 \*

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\* 92 \* 7.0486 \* 0.1674 \* -3.9662 \*

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\* 94 \* 13.7917 \* 0.2085 \* -3.3777 \*

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\* 96 \* 20.4755 \* 0.2669 \* -2.2455 \*

\* 97 \* 19.7249 \* -2.7356 \* -7.3643 \*

\* 98 \* 27.0877 \* 0.3519 \* -0.5739 \*

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\* 104 \* -15.9914 \* -0.1960 \* -1.2732 \*

\* 105 \* -16.1083 \* -0.6635 \* -8.0191 \*

\* 106 \* -10.6322 \* -0.1099 \* -2.8119 \*

\* 107 \* -10.8513 \* -0.9865 \* -9.1401 \*

\* 108 \* -5.2300 \* -0.0548 \* -3.8275 \*

\* 109 \* -5.5463 \* -1.3198 \* -9.7094 \*

\* 110 \* 0.1897 \* -0.0191 \* -4.3199 \*

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\* 116 \* 16.3223 \* 0.0879 \* -2.6693 \*

\* 117 \* 15.6750 \* -2.5013 \* -6.5208 \*

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\* 131 \* -0.1792 \* -1.4363 \* -8.7173 \*

\* 132 \* 4.2495 \* -0.1498 \* -4.5816 \*

\* 133 \* 3.8513 \* -1.7427 \* -8.2233 \*

\* 134 \* 8.3366 \* -0.1273 \* -4.0628 \*

\* 135 \* 7.8616 \* -2.0273 \* -7.2119 \*

\* 136 \* 12.3775 \* -0.0912 \* -3.0509 \*

\* 137 \* 11.8301 \* -2.2808 \* -5.6839 \*

\* 138 \* 16.3512 \* -0.0309 \* -1.5461 \*

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\* 143 \* -11.1000 \* -0.0676 \* -4.6943 \*

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\* 145 \* -8.4400 \* -0.3374 \* -6.1927 \*

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\* 147 \* -5.7116 \* -0.6314 \* -7.2001 \*

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\* 151 \* -0.1374 \* -1.2465 \* -7.7415 \*

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\* 155 \* 5.4467 \* -1.8239 \* -6.3188 \*

\* 156 \* 8.6393 \* -0.2651 \* -3.3942 \*

\* 157 \* 8.1876 \* -2.0718 \* -4.8714 \*

\* 158 \* 11.3812 \* -0.2146 \* -1.9726 \*

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\* 177 \* 4.7476 \* -1.8730 \* -4.0903 \*

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\* 180 \* 8.1728 \* -0.3138 \* -0.5864 \*

\* 181 \* -2.3369 \* 0.4079 \* -1.4188 \*

\* 182 \* -2.2530 \* -0.7519 \* -1.2339 \*

\* 183 \* -2.0169 \* 0.1925 \* -3.1858 \*

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\* 188 \* -0.5978 \* -0.5855 \* -4.8779 \*

\* 189 \* -0.6064 \* -0.6201 \* -5.8703 \*

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\* 393 \* -6.4137 \* 0.0164 \* 1.4514 \*

\* 394 \* -13.3951 \* -1.5765 \* -5.1073 \*

\* 395 \* -13.0394 \* -0.1539 \* 1.7682 \*

\* 396 \* -20.0482 \* -1.6597 \* -4.8247 \*

\* 397 \* -19.7067 \* -0.2936 \* 2.2477 \*

\* 398 \* -26.7692 \* -1.7188 \* -4.4040 \*

\* 399 \* -26.4374 \* -0.3916 \* 2.8899 \*

\* 400 \* -33.5798 \* -1.7428 \* -3.8452 \*

\* 401 \* 35.4030 \* 1.0847 \* 3.2185 \*

\* 402 \* 27.6908 \* -1.1781 \* -3.9815 \*

\* 403 \* 28.2277 \* 0.9694 \* 2.6698 \*

\* 404 \* 20.6411 \* -1.1850 \* -4.4195 \*

\* 405 \* 21.1421 \* 0.8192 \* 2.2564 \*

\* 406 \* 13.6548 \* -1.2335 \* -4.7468 \*

\* 407 \* 14.1244 \* 0.6449 \* 1.9783 \*

\* 408 \* 6.7100 \* -1.3126 \* -4.9633 \*

\* 409 \* 7.1525 \* 0.4575 \* 1.8357 \*

\* 410 \* -0.2150 \* -1.4115 \* -5.0690 \*

\* 411 \* 0.2048 \* 0.2679 \* 1.8284 \*

\* 412 \* -7.1423 \* -1.5190 \* -5.0640 \*

\* 413 \* -6.7408 \* 0.0870 \* 1.9564 \*

\* 414 \* -14.0936 \* -1.6244 \* -4.9482 \*

\* 415 \* -13.7060 \* -0.0741 \* 2.2199 \*

\* 416 \* -21.0909 \* -1.7167 \* -4.7217 \*

\* 417 \* -20.7129 \* -0.2047 \* 2.6187 \*

\* 418 \* -28.1559 \* -1.7848 \* -4.3844 \*

\* 419 \* -27.7831 \* -0.2936 \* 3.1529 \*

\* 420 \* -35.3107 \* -1.8180 \* -3.9364 \*

\* 421 \* 36.7692 \* 1.0915 \* 3.4350 \*

\* 422 \* 28.7859 \* -1.1621 \* -4.0262 \*

\* 423 \* 29.3227 \* 0.9854 \* 2.9970 \*

\* 424 \* 21.4603 \* -1.1782 \* -4.3562 \*

\* 425 \* 21.9660 \* 0.8443 \* 2.6670 \*

\* 426 \* 14.1983 \* -1.2358 \* -4.6028 \*

\* 427 \* 14.6770 \* 0.6791 \* 2.4450 \*

\* 428 \* 6.9778 \* -1.3240 \* -4.7659 \*

\* 429 \* 7.4340 \* 0.5008 \* 2.3311 \*

\* 430 \* -0.2230 \* -1.4320 \* -4.8457 \*

\* 431 \* 0.2150 \* 0.3203 \* 2.3252 \*

\* 432 \* -7.4260 \* -1.5487 \* -4.8420 \*

\* 433 \* -7.0017 \* 0.1486 \* 2.4273 \*

\* 434 \* -14.6531 \* -1.6631 \* -4.7550 \*

\* 435 \* -14.2382 \* -0.0035 \* 2.6374 \*

\* 436 \* -21.9261 \* -1.7645 \* -4.5845 \*

\* 437 \* -21.5162 \* -0.1249 \* 2.9555 \*

\* 438 \* -29.2669 \* -1.8418 \* -4.3306 \*

\* 439 \* -28.8576 \* -0.2048 \* 3.3817 \*

\* 440 \* -36.6974 \* -1.8841 \* -3.9934 \*

\* 441 \* 37.7913 \* 1.0892 \* 3.6173 \*

\* 442 \* 29.6097 \* -1.1371 \* -4.0367 \*

\* 443 \* 30.1420 \* 0.9922 \* 3.2901 \*

\* 444 \* 22.0768 \* -1.1622 \* -4.2586 \*

\* 445 \* 22.5824 \* 0.8602 \* 3.0435 \*

\* 446 \* 14.6074 \* -1.2290 \* -4.4245 \*

\* 447 \* 15.0906 \* 0.7042 \* 2.8776 \*

\* 448 \* 7.1795 \* -1.3263 \* -4.5344 \*

\* 449 \* 7.6448 \* 0.5350 \* 2.7924 \*

\* 450 \* -0.2287 \* -1.4434 \* -4.5882 \*

\* 451 \* 0.2230 \* 0.3636 \* 2.7878 \*

\* 452 \* -7.6391 \* -1.5692 \* -4.5859 \*

\* 453 \* -7.1966 \* 0.2010 \* 2.8639 \*

\* 454 \* -15.0735 \* -1.6928 \* -4.5275 \*

\* 455 \* -14.6358 \* 0.0580 \* 3.0207 \*

\* 456 \* -22.5539 \* -1.8033 \* -4.4131 \*

\* 457 \* -22.1167 \* -0.0543 \* 3.2582 \*

\* 458 \* -30.1021 \* -1.8897 \* -4.2427 \*

\* 459 \* -29.6610 \* -0.1250 \* 3.5763 \*

\* 460 \* -37.7401 \* -1.9411 \* -4.0162 \*

\* 461 \* 38.4693 \* 1.0778 \* 3.7655 \*

\* 462 \* 30.1623 \* -1.1029 \* -4.0130 \*

\* 463 \* 30.6856 \* 0.9900 \* 3.5490 \*

\* 464 \* 22.4904 \* -1.1372 \* -4.1269 \*

\* 465 \* 22.9915 \* 0.8671 \* 3.3858 \*

\* 466 \* 14.8820 \* -1.2130 \* -4.2121 \*

\* 467 \* 15.3652 \* 0.7201 \* 3.2759 \*

\* 468 \* 7.3151 \* -1.3195 \* -4.2687 \*

\* 469 \* 7.7850 \* 0.5601 \* 3.2194 \*

\* 470 \* -0.2321 \* -1.4456 \* -4.2965 \*

\* 471 \* 0.2287 \* 0.3978 \* 3.2162 \*

\* 472 \* -7.7815 \* -1.5806 \* -4.2955 \*

\* 473 \* -7.3253 \* 0.2443 \* 3.2664 \*

\* 474 \* -15.3550 \* -1.7133 \* -4.2659 \*

\* 475 \* -14.8991 \* 0.1105 \* 3.3698 \*

\* 476 \* -22.9744 \* -1.8329 \* -4.2076 \*

\* 477 \* -22.5144 \* 0.0073 \* 3.5266 \*

\* 478 \* -30.6616 \* -1.9284 \* -4.1205 \*

\* 479 \* -30.1931 \* -0.0544 \* 3.7368 \*

\* 480 \* -38.4385 \* -1.9889 \* -4.0048 \*

\* 481 \* 38.8032 \* 1.0573 \* 3.8794 \*

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\* 486 \* 15.0221 \* -1.1879 \* -3.9656 \*

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\* 491 \* 0.2321 \* 0.4229 \* 3.6105 \*

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\* 495 \* -15.0278 \* 0.1538 \* 3.6848 \*

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\* 506 \* 15.0278 \* -1.1538 \* -3.6848 \*

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\* 525 \* 22.9744 \* 0.8329 \* 4.2076 \*

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\* 531 \* 0.2321 \* 0.4456 \* 4.2965 \*

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\* 535 \* -14.8820 \* 0.2130 \* 4.2121 \*

\* 536 \* -22.9915 \* -1.8671 \* -3.3858 \*

\* 537 \* -22.4904 \* 0.1372 \* 4.1269 \*

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\* 552 \* -7.6448 \* -1.5353 \* -2.7924 \*

\* 553 \* -7.1794 \* 0.3263 \* 4.5344 \*

\* 554 \* -15.0907 \* -1.7044 \* -2.8777 \*

\* 555 \* -14.6073 \* 0.2289 \* 4.4245 \*

\* 556 \* -22.5825 \* -1.8604 \* -3.0436 \*

\* 557 \* -22.0768 \* 0.1622 \* 4.2586 \*

\* 558 \* -30.1421 \* -1.9923 \* -3.2901 \*

\* 559 \* -29.6097 \* 0.1371 \* 4.0366 \*

\* 560 \* -37.7913 \* -2.0892 \* -3.6173 \*

\* 561 \* 36.6972 \* 0.8841 \* 3.9934 \*

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\* 568 \* 7.0018 \* -1.1490 \* -2.4271 \*

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\* 573 \* -6.9776 \* 0.3239 \* 4.7658 \*

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\* 575 \* -14.1982 \* 0.2357 \* 4.6026 \*

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\* 577 \* -21.4604 \* 0.1781 \* 4.3560 \*

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\* 767 \* 1.6118 \* -0.2212 \* 5.7527 \*

\* 768 \* -0.6805 \* -4.2734 \* 3.9168 \*

\* 769 \* 0.2855 \* -0.4090 \* 6.0840 \*

\* 770 \* -1.6835 \* -4.1481 \* 4.5301 \*

\* 771 \* -0.7714 \* -0.4996 \* 5.9902 \*

\* 772 \* -2.5230 \* -3.7410 \* 4.6004 \*

\* 773 \* -1.7112 \* -0.4939 \* 5.5060 \*

\* 774 \* -3.2966 \* -3.1896 \* 4.2267 \*

\* 775 \* -2.6011 \* -0.4078 \* 4.6522 \*

\* 776 \* -4.0347 \* -2.6007 \* 3.4734 \*

\* 777 \* -3.4500 \* -0.2620 \* 3.4272 \*

\* 778 \* -4.7005 \* -2.0588 \* 2.3884 \*

\* 779 \* -4.2045 \* -0.0750 \* 1.7931 \*

\* 780 \* -5.1632 \* -1.6367 \* 1.0134 \*

\* 781 \* 5.2809 \* -1.0276 \* 6.6900 \*

\* 782 \* -1.9528 \* -27.3240 \* 2.1123 \*

\* 783 \* 4.2459 \* -2.5294 \* 7.0781 \*

\* 784 \* -1.9512 \* -23.6478 \* 3.0296 \*

\* 785 \* 3.1292 \* -3.3262 \* 6.8007 \*

\* 786 \* -1.8448 \* -19.7157 \* 3.5008 \*

\* 787 \* 2.1955 \* -3.5544 \* 6.2561 \*

\* 788 \* -1.6777 \* -15.8130 \* 3.6410 \*

\* 789 \* 1.4333 \* -3.3688 \* 5.5825 \*

\* 790 \* -1.5116 \* -12.1236 \* 3.5433 \*

\* 791 \* 0.7912 \* -2.9124 \* 4.8184 \*

\* 792 \* -1.3871 \* -8.7789 \* 3.2551 \*

\* 793 \* 0.2307 \* -2.3077 \* 3.9610 \*

\* 794 \* -1.3225 \* -5.8924 \* 2.7926 \*

\* 795 \* -0.2639 \* -1.6580 \* 2.9898 \*

\* 796 \* -1.3105 \* -3.5795 \* 2.1580 \*

\* 797 \* -0.6790 \* -1.0535 \* 1.8767 \*

\* 798 \* -1.3006 \* -1.9656 \* 1.3621 \*

\* 799 \* -0.9554 \* -0.5847 \* 0.5921 \*

\* 800 \* -1.1494 \* -1.1839 \* 0.4598 \*

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Plain Strain case

Elastic matrix D

1.20 0.40 0.00

0.40 1.20 0.00

0.00 0.00 0.40

Displacement Boundary Conditions

node 1 2 3 4 5 6 7 8 9 10 11

ux=0.0 ux=0.0 ux=0.0 ux=0.0 ux=0.0 ux=0.0 ux=0.0 ux=0.0 ux=0.0 ux=0.0 ux=0.0

uy=0.0 uy=0.0 uy=0.0 uy=0.0 uy=0.0 uy=0.0 uy=0.0 uy=0.0 uy=0.0 uy=0.0 uy=0.0

Traction BC

node 11 22 33 44 55 66 77 88 99 110

fx=0.0 fx=0.0 fx=0.0 fx=0.0 fx=0.0 fx=0.0 fx=0.0 fx=0.0 fx=0.0 fx=0.0

fy=-0.13 fy=-0.25 fy=-0.25 fy=-0.25 fy=-0.25 fy=-0.25 fy=-0.25 fy=-0.25 fy=-0.25 fy=-0.25

node 121 132 143 154 165 176 187 198 209 220

fx=0.0 fx=0.0 fx=0.0 fx=0.0 fx=0.0 fx=0.0 fx=0.0 fx=0.0 fx=0.0 fx=0.0

fy=-0.25 fy=-0.25 fy=-0.25 fy=-0.25 fy=-0.25 fy=-0.25 fy=-0.25 fy=-0.25 fy=-0.25 fy=-0.25

node 231 242 253 264 275 286 297 308 319 330

fx=0.0 fx=0.0 fx=0.0 fx=0.0 fx=0.0 fx=0.0 fx=0.0 fx=0.0 fx=0.0 fx=0.0

fy=-0.25 fy=-0.25 fy=-0.25 fy=-0.25 fy=-0.25 fy=-0.25 fy=-0.25 fy=-0.25 fy=-0.25 fy=-0.25

node 341 352 363 374 385 396 407 418 429 440

fx=0.0 fx=0.0 fx=0.0 fx=0.0 fx=0.0 fx=0.0 fx=0.0 fx=0.0 fx=0.0 fx=0.0

fy=-0.25 fy=-0.25 fy=-0.25 fy=-0.25 fy=-0.25 fy=-0.25 fy=-0.25 fy=-0.25 fy=-0.25 fy=-0.25

node 242

fx=0.0

fy=-0.25

d i s p l a c e m e n t s

..................................................

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

\* \* \* \*\* \* \* \*

\* node \* ux \* uy \*\* node \* ux \* uy \*

\* \* \* \*\* \* \* \*

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

\* 1 \* 0.0000 \* 0.0000 \*\* 2 \* 0.0000 \* 0.0000 \*

\* 3 \* 0.0000 \* 0.0000 \*\* 4 \* 0.0000 \* 0.0000 \*

\* 5 \* 0.0000 \* 0.0000 \*\* 6 \* 0.0000 \* 0.0000 \*

\* 7 \* 0.0000 \* 0.0000 \*\* 8 \* 0.0000 \* 0.0000 \*

\* 9 \* 0.0000 \* 0.0000 \*\* 10 \* 0.0000 \* 0.0000 \*

\* 11 \* 0.0000 \* 0.0000 \*\* 12 \* -15.0175 \* -10.0776 \*

\* 13 \* -11.1368 \* -8.5996 \*\* 14 \* -7.9584 \* -7.5770 \*

\* 15 \* -5.1601 \* -6.9181 \*\* 16 \* -2.5671 \* -6.5563 \*

\* 17 \* -0.0643 \* -6.4535 \*\* 18 \* 2.4439 \* -6.5997 \*

\* 19 \* 5.0611 \* -7.0145 \*\* 20 \* 7.9347 \* -7.7542 \*

\* 21 \* 11.3281 \* -8.9282 \*\* 22 \* 15.8035 \* -10.7355 \*

\* 23 \* -28.1395 \* -24.6340 \*\* 24 \* -21.6175 \* -23.2105 \*

\* 25 \* -15.7164 \* -22.1367 \*\* 26 \* -10.2556 \* -21.4039 \*

\* 27 \* -5.0686 \* -20.9982 \*\* 28 \* -0.0055 \* -20.9104 \*

\* 29 \* 5.0769 \* -21.1416 \*\* 30 \* 10.3270 \* -21.7033 \*

\* 31 \* 15.9067 \* -22.6132 \*\* 32 \* 21.9824 \* -23.8763 \*

\* 33 \* 28.6385 \* -25.4278 \*\* 34 \* -39.4064 \* -44.8044 \*

\* 35 \* -30.6812 \* -43.5803 \*\* 36 \* -22.5075 \* -42.6401 \*

\* 37 \* -14.7474 \* -41.9910 \*\* 38 \* -7.2571 \* -41.6360 \*

\* 39 \* 0.1070 \* -41.5761 \*\* 40 \* 7.4867 \* -41.8115 \*

\* 41 \* 15.0211 \* -42.3410 \*\* 42 \* 22.8427 \* -43.1584 \*

\* 43 \* 31.0709 \* -44.2494 \*\* 44 \* 39.8201 \* -45.6019 \*

\* 45 \* -48.9010 \* -69.9879 \*\* 46 \* -38.3118 \* -68.9716 \*

\* 47 \* -28.2348 \* -68.1899 \*\* 48 \* -18.5431 \* -67.6509 \*

\* 49 \* -9.1066 \* -67.3594 \*\* 50 \* 0.2059 \* -67.3178 \*

\* 51 \* 9.5243 \* -67.5254 \*\* 52 \* 18.9760 \* -67.9786 \*

\* 53 \* 28.6846 \* -68.6718 \*\* 54 \* 38.7711 \* -69.5983 \*

\* 55 \* 49.3551 \* -70.7521 \*\* 56 \* -56.6996 \* -99.3699 \*

\* 57 \* -44.5781 \* -98.5517 \*\* 58 \* -32.9397 \* -97.9235 \*

\* 59 \* -21.6645 \* -97.4921 \*\* 60 \* -10.6310 \* -97.2623 \*

\* 61 \* 0.2821 \* -97.2363 \*\* 62 \* 11.1960 \* -97.4141 \*

\* 63 \* 22.2308 \* -97.7935 \*\* 64 \* 33.5058 \* -98.3710 \*

\* 65 \* 45.1393 \* -99.1418 \*\* 66 \* 57.2495 \* -100.1003 \*

\* 67 \* -62.8872 \* -132.1327 \*\* 68 \* -49.5537 \* -131.5018 \*

\* 69 \* -36.6777 \* -131.0187 \*\* 70 \* -24.1453 \* -130.6898 \*

\* 71 \* -11.8423 \* -130.5194 \*\* 72 \* 0.3456 \* -130.5101 \*

\* 73 \* 12.5328 \* -130.6623 \*\* 74 \* 24.8331 \* -130.9747 \*

\* 75 \* 37.3606 \* -131.4447 \*\* 76 \* 50.2287 \* -132.0677 \*

\* 77 \* 63.5511 \* -132.8381 \*\* 78 \* -67.5481 \* -167.4946 \*

\* 79 \* -53.3076 \* -167.0409 \*\* 80 \* -39.5000 \* -166.6952 \*

\* 81 \* -26.0175 \* -166.4637 \*\* 82 \* -12.7521 \* -166.3507 \*

\* 83 \* 0.4041 \* -166.3587 \*\* 84 \* 13.5592 \* -166.4886 \*

\* 85 \* 26.8213 \* -166.7393 \*\* 86 \* 40.2983 \* -167.1083 \*

\* 87 \* 54.0982 \* -167.5912 \*\* 88 \* 68.3290 \* -168.1823 \*

\* 89 \* -70.7643 \* -204.7144 \*\* 90 \* -55.9056 \* -204.4281 \*

\* 91 \* -41.4557 \* -204.2123 \*\* 92 \* -27.3126 \* -204.0732 \*

\* 93 \* -13.3745 \* -204.0149 \*\* 94 \* 0.4605 \* -204.0401 \*

\* 95 \* 14.2945 \* -204.1496 \*\* 96 \* 28.2294 \* -204.3426 \*

\* 97 \* 42.3673 \* -204.6165 \*\* 98 \* 56.8102 \* -204.9670 \*

\* 99 \* 71.6601 \* -205.3881 \*\* 100 \* -72.6163 \* -243.0902 \*

\* 101 \* -57.4122 \* -242.9617 \*\* 102 \* -42.5929 \* -242.8685 \*

\* 103 \* -28.0624 \* -242.8165 \*\* 104 \* -13.7248 \* -242.8100 \*

\* 105 \* 0.5159 \* -242.8516 \*\* 106 \* 14.7555 \* -242.9422 \*

\* 107 \* 29.0902 \* -243.0809 \*\* 108 \* 43.6159 \* -243.2652 \*

\* 109 \* 58.4286 \* -243.4907 \*\* 110 \* 73.6243 \* -243.7515 \*

\* 111 \* -73.1843 \* -281.9600 \*\* 112 \* -57.8917 \* -281.9797 \*

\* 113 \* -42.9599 \* -282.0015 \*\* 114 \* -28.2990 \* -282.0313 \*

\* 115 \* -13.8189 \* -282.0735 \*\* 116 \* 0.5703 \* -282.1305 \*

\* 117 \* 14.9586 \* -282.2033 \*\* 118 \* 29.4359 \* -282.2910 \*

\* 119 \* 44.0922 \* -282.3910 \*\* 120 \* 59.0176 \* -282.4991 \*

\* 121 \* 74.3019 \* -282.6093 \*\* 122 \* -72.5484 \* -320.7013 \*

\* 123 \* -57.4083 \* -320.8596 \*\* 124 \* -42.6050 \* -320.9889 \*

\* 125 \* -28.0545 \* -321.0952 \*\* 126 \* -13.6729 \* -321.1828 \*

\* 127 \* 0.6239 \* -321.2541 \*\* 128 \* 14.9197 \* -321.3102 \*

\* 129 \* 29.2986 \* -321.3501 \*\* 130 \* 43.8445 \* -321.3713 \*

\* 131 \* 58.6414 \* -321.3695 \*\* 132 \* 73.7734 \* -321.3387 \*

\* 133 \* -70.7889 \* -358.7318 \*\* 134 \* -56.0262 \* -359.0191 \*

\* 135 \* -41.5762 \* -359.2484 \*\* 136 \* -27.3611 \* -359.4258 \*

\* 137 \* -13.3029 \* -359.5555 \*\* 138 \* 0.6765 \* -359.6402 \*

\* 139 \* 14.6549 \* -359.6806 \*\* 140 \* 28.7104 \* -359.6759 \*

\* 141 \* 42.9210 \* -359.6236 \*\* 142 \* 57.3646 \* -359.5194 \*

\* 143 \* 72.1191 \* -359.3572 \*\* 144 \* -67.9861 \* -395.5093 \*

\* 145 \* -53.8095 \* -395.9158 \*\* 146 \* -39.9218 \* -396.2377 \*

\* 147 \* -26.2510 \* -396.4808 \*\* 148 \* -12.7250 \* -396.6495 \*

\* 149 \* 0.7281 \* -396.7463 \*\* 150 \* 14.1803 \* -396.7721 \*

\* 151 \* 27.7035 \* -396.7261 \*\* 152 \* 41.3698 \* -396.6057 \*

\* 153 \* 55.2512 \* -396.4065 \*\* 154 \* 69.4195 \* -396.1226 \*

\* 155 \* -64.2202 \* -430.5315 \*\* 156 \* -50.8227 \* -431.0477 \*

\* 157 \* -37.6901 \* -431.4546 \*\* 158 \* -24.7563 \* -431.7581 \*

\* 159 \* -11.9553 \* -431.9625 \*\* 160 \* 0.7787 \* -432.0705 \*

\* 161 \* 13.5118 \* -432.0828 \*\* 162 \* 26.3100 \* -431.9986 \*

\* 163 \* 39.2393 \* -431.8154 \*\* 164 \* 52.3656 \* -431.5287 \*

\* 165 \* 65.7549 \* -431.1328 \*\* 166 \* -59.5717 \* -463.3366 \*

\* 167 \* -47.1300 \* -463.9528 \*\* 168 \* -34.9291 \* -464.4372 \*

\* 169 \* -22.9091 \* -464.7958 \*\* 170 \* -11.0099 \* -465.0328 \*

\* 171 \* 0.8283 \* -465.1507 \*\* 172 \* 12.6657 \* -465.1506 \*

\* 173 \* 24.5621 \* -465.0315 \*\* 174 \* 36.5775 \* -464.7908 \*

\* 175 \* 48.7720 \* -464.4242 \*\* 176 \* 61.2056 \* -463.9259 \*

\* 177 \* -54.1208 \* -493.5029 \*\* 178 \* -42.7956 \* -494.2095 \*

\* 179 \* -31.6871 \* -494.7639 \*\* 180 \* -20.7416 \* -495.1721 \*

\* 181 \* -9.9049 \* -495.4384 \*\* 182 \* 0.8769 \* -495.5654 \*

\* 183 \* 11.6578 \* -495.5538 \*\* 184 \* 22.4917 \* -495.4030 \*

\* 185 \* 33.4328 \* -495.1102 \*\* 186 \* 44.5348 \* -494.6712 \*

\* 187 \* 55.8519 \* -494.0801 \*\* 188 \* -47.9480 \* -520.6487 \*

\* 189 \* -37.8837 \* -521.4360 \*\* 190 \* -28.0124 \* -522.0529 \*

\* 191 \* -18.2858 \* -522.5055 \*\* 192 \* -8.6562 \* -522.7979 \*

\* 193 \* 0.9245 \* -522.9327 \*\* 194 \* 10.5043 \* -522.9109 \*

\* 195 \* 20.1312 \* -522.7315 \*\* 196 \* 29.8532 \* -522.3920 \*

\* 197 \* 39.7182 \* -521.8881 \*\* 198 \* 49.7742 \* -521.2138 \*

\* 199 \* -41.1334 \* -544.4326 \*\* 200 \* -32.4588 \* -545.2910 \*

\* 201 \* -23.9530 \* -545.9630 \*\* 202 \* -15.5741 \* -546.4545 \*

\* 203 \* -7.2800 \* -546.7698 \*\* 204 \* 0.9711 \* -546.9115 \*

\* 205 \* 9.2213 \* -546.8804 \*\* 206 \* 17.5126 \* -546.6757 \*

\* 207 \* 25.8870 \* -546.2948 \*\* 208 \* 34.3864 \* -545.7335 \*

\* 209 \* 43.0529 \* -544.9857 \*\* 210 \* -33.7576 \* -564.5534 \*

\* 211 \* -26.5849 \* -565.4732 \*\* 212 \* -19.5572 \* -566.1927 \*

\* 213 \* -12.6383 \* -566.7178 \*\* 214 \* -5.7924 \* -567.0528 \*

\* 215 \* 1.0167 \* -567.2003 \*\* 216 \* 7.8249 \* -567.1610 \*

\* 217 \* 14.6681 \* -566.9343 \*\* 218 \* 21.5824 \* -566.5174 \*

\* 219 \* 28.6038 \* -565.9061 \*\* 220 \* 35.7682 \* -565.0944 \*

\* 221 \* -25.9007 \* -580.7499 \*\* 222 \* -20.3265 \* -581.7216 \*

\* 223 \* -14.8732 \* -582.4811 \*\* 224 \* -9.5108 \* -583.0345 \*

\* 225 \* -4.2093 \* -583.3860 \*\* 226 \* 1.0613 \* -583.5381 \*

\* 227 \* 6.3310 \* -583.4918 \*\* 228 \* 11.6298 \* -583.2461 \*

\* 229 \* 16.9876 \* -582.7985 \*\* 230 \* 22.4345 \* -582.1448 \*

\* 231 \* 28.0005 \* -581.2789 \*\* 232 \* -17.6431 \* -592.8013 \*

\* 233 \* -13.7478 \* -593.8152 \*\* 234 \* -9.9493 \* -594.6073 \*

\* 235 \* -6.2237 \* -595.1835 \*\* 236 \* -2.5469 \* -595.5482 \*

\* 237 \* 1.1049 \* -595.7040 \*\* 238 \* 4.7558 \* -595.6516 \*

\* 239 \* 8.4297 \* -595.3903 \*\* 240 \* 12.1508 \* -594.9174 \*

\* 241 \* 15.9429 \* -594.2288 \*\* 242 \* 19.8301 \* -593.3183 \*

\* 243 \* -9.0653 \* -600.5269 \*\* 244 \* -6.9129 \* -601.5733 \*

\* 245 \* -4.8335 \* -602.3904 \*\* 246 \* -2.8089 \* -602.9842 \*

\* 247 \* -0.8213 \* -603.3589 \*\* 248 \* 1.1474 \* -603.5172 \*

\* 249 \* 3.1153 \* -603.4599 \*\* 250 \* 5.1002 \* -603.1861 \*

\* 251 \* 7.1202 \* -602.6933 \*\* 252 \* 9.1932 \* -601.9772 \*

\* 253 \* 11.3374 \* -601.0318 \*\* 254 \* -0.2474 \* -603.7859 \*

\* 255 \* 0.1137 \* -604.8552 \*\* 256 \* 0.4259 \* -605.6899 \*

\* 257 \* 0.7012 \* -606.2958 \*\* 258 \* 0.9515 \* -606.6774 \*

\* 259 \* 1.1890 \* -606.8372 \*\* 260 \* 1.4256 \* -606.7760 \*

\* 261 \* 1.6732 \* -606.4930 \*\* 262 \* 1.9440 \* -605.9856 \*

\* 263 \* 2.2498 \* -605.2495 \*\* 264 \* 2.6027 \* -604.2788 \*

\* 265 \* 8.7301 \* -602.4781 \*\* 266 \* 7.2678 \* -603.5606 \*

\* 267 \* 5.7806 \* -604.4053 \*\* 268 \* 4.2745 \* -605.0181 \*

\* 269 \* 2.7555 \* -605.4033 \*\* 270 \* 1.2296 \* -605.5635 \*

\* 271 \* -0.2973 \* -605.4995 \*\* 272 \* -1.8190 \* -605.2104 \*

\* 273 \* -3.3297 \* -604.6938 \*\* 274 \* -4.8232 \* -603.9453 \*

\* 275 \* -6.2937 \* -602.9589 \*\* 276 \* 17.7870 \* -596.5431 \*

\* 277 \* 14.4853 \* -597.6293 \*\* 278 \* 11.1826 \* -598.4765 \*

\* 279 \* 7.8790 \* -599.0908 \*\* 280 \* 4.5745 \* -599.4764 \*

\* 281 \* 1.2691 \* -599.6359 \*\* 282 \* -2.0372 \* -599.5701 \*

\* 283 \* -5.3444 \* -599.2783 \*\* 284 \* -8.6525 \* -598.7578 \*

\* 285 \* -11.9615 \* -598.0043 \*\* 286 \* -15.2715 \* -597.0118 \*

\* 287 \* 26.8429 \* -585.9609 \*\* 288 \* 21.7017 \* -587.0410 \*

\* 289 \* 16.5836 \* -587.8833 \*\* 290 \* 11.4825 \* -588.4937 \*

\* 291 \* 6.3926 \* -588.8765 \*\* 292 \* 1.3077 \* -589.0342 \*

\* 293 \* -3.7781 \* -588.9678 \*\* 294 \* -8.8707 \* -588.6764 \*

\* 295 \* -13.9763 \* -588.1573 \*\* 296 \* -19.1008 \* -587.4064 \*

\* 297 \* -24.2502 \* -586.4176 \*\* 298 \* 35.8174 \* -570.7515 \*

\* 299 \* 28.8528 \* -571.8160 \*\* 300 \* 21.9353 \* -572.6458 \*

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\* 323 \* 21.9657 \* -529.0857 \*\* 324 \* 11.6800 \* -529.4408 \*

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\* 331 \* 61.4493 \* -498.1637 \*\* 332 \* 49.2717 \* -499.1233 \*

\* 333 \* 37.2133 \* -499.8708 \*\* 334 \* 25.2439 \* -500.4121 \*

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\* 343 \* 55.5187 \* -466.3553 \*\* 344 \* 41.8861 \* -467.0603 \*

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\* 357 \* 16.3813 \* -431.0820 \*\* 358 \* 1.5197 \* -431.2067 \*

\* 359 \* -13.3431 \* -431.1587 \*\* 360 \* -28.2494 \* -430.9371 \*

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\* 365 \* 66.7876 \* -389.2827 \*\* 366 \* 50.3127 \* -389.8801 \*

\* 367 \* 33.9803 \* -390.3126 \*\* 368 \* 17.7427 \* -390.5846 \*

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\* 383 \* -50.8194 \* -346.2664 \*\* 384 \* -68.5426 \* -345.8042 \*

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\* 389 \* 38.5570 \* -299.5815 \*\* 390 \* 20.0411 \* -299.7803 \*

\* 391 \* 1.5894 \* -299.8565 \*\* 392 \* -16.8571 \* -299.8144 \*

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\* 395 \* -72.7935 \* -298.9878 \*\* 396 \* -91.8553 \* -298.4662 \*

\* 397 \* 99.7339 \* -248.9143 \*\* 398 \* 79.7136 \* -249.4187 \*

\* 399 \* 59.9356 \* -249.7968 \*\* 400 \* 40.3523 \* -250.0532 \*

\* 401 \* 20.9123 \* -250.1970 \*\* 402 \* 1.5584 \* -250.2386 \*

\* 403 \* -17.7738 \* -250.1869 \*\* 404 \* -37.1560 \* -250.0468 \*

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\* 407 \* -96.3845 \* -249.0841 \*\* 408 \* 103.6734 \* -197.3887 \*

\* 409 \* 82.7785 \* -197.8097 \*\* 410 \* 62.1385 \* -198.0976 \*

\* 411 \* 41.7314 \* -198.2680 \*\* 412 \* 21.5211 \* -198.3470 \*

\* 413 \* 1.4459 \* -198.3542 \*\* 414 \* -18.5730 \* -198.3009 \*

\* 415 \* -38.6238 \* -198.1915 \*\* 416 \* -58.8001 \* -198.0256 \*

\* 417 \* -79.2001 \* -197.7991 \*\* 418 \* -99.9272 \* -197.5046 \*

\* 419 \* 107.0045 \* -143.8761 \*\* 420 \* 85.1873 \* -144.2369 \*

\* 421 \* 63.6991 \* -144.4229 \*\* 422 \* 42.5981 \* -144.5347 \*

\* 423 \* 21.8156 \* -144.6086 \*\* 424 \* 1.2466 \* -144.6543 \*

\* 425 \* -19.2222 \* -144.6707 \*\* 426 \* -39.7028 \* -144.6523 \*

\* 427 \* -60.3042 \* -144.5934 \*\* 428 \* -81.1341 \* -144.4899 \*

\* 429 \* -102.3047 \* -144.3402 \*\* 430 \* 109.9856 \* -88.0036 \*

\* 431 \* 86.7491 \* -88.2723 \*\* 432 \* 64.5548 \* -88.6391 \*

\* 433 \* 43.0363 \* -89.0383 \*\* 434 \* 21.9586 \* -89.4253 \*

\* 435 \* 1.1444 \* -89.7687 \*\* 436 \* -19.5518 \* -90.0481 \*

\* 437 \* -40.2550 \* -90.2527 \*\* 438 \* -61.0741 \* -90.3805 \*

\* 439 \* -82.1026 \* -90.4387 \*\* 440 \* -103.4175 \* -90.4446 \*

\* 441 \* 111.4401 \* -26.0459 \*\* 442 \* 88.1315 \* -28.5240 \*

\* 443 \* 65.7227 \* -30.6674 \*\* 444 \* 43.9728 \* -32.4533 \*

\* 445 \* 22.6700 \* -33.8839 \*\* 446 \* 1.6405 \* -34.9768 \*

\* 447 \* -19.2597 \* -35.7616 \*\* 448 \* -40.1505 \* -36.2779 \*

\* 449 \* -61.1303 \* -36.5767 \*\* 450 \* -82.2719 \* -36.7226 \*

\* 451 \* -103.6094 \* -36.7966 \*\*

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

s t r e s s e s

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\* \* \* \* \*

\* element \* sx \* sy \* sxy \*

\* \* \* \* \*

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\* 1 \* -72.0840 \* -24.0280 \* -16.1241 \*

\* 2 \* -47.5449 \* -0.0832 \* 1.7633 \*

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\* 6 \* -22.1328 \* -0.3493 \* 0.1242 \*

\* 7 \* -24.7684 \* -8.2561 \* -11.0689 \*

\* 8 \* -10.8750 \* 0.2340 \* -0.1181 \*

\* 9 \* -12.3221 \* -4.1074 \* -10.4901 \*

\* 10 \* 0.1024 \* 1.1304 \* -0.3145 \*

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\* 12 \* 11.1458 \* 2.1561 \* -0.5268 \*

\* 13 \* 11.7305 \* 3.9102 \* -10.5595 \*

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\* 15 \* 24.2934 \* 8.0978 \* -11.2232 \*

\* 16 \* 35.1280 \* 3.8194 \* -0.9122 \*

\* 17 \* 38.0867 \* 12.6956 \* -12.4067 \*

\* 18 \* 49.6789 \* 4.0367 \* -0.7115 \*

\* 19 \* 54.3750 \* 18.1250 \* -14.2851 \*

\* 20 \* 68.6277 \* 3.5978 \* 0.7248 \*

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\* 43 \* -39.2106 \* -1.6161 \* -8.9872 \*

\* 44 \* -28.8360 \* 0.4176 \* -0.1103 \*

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\* 66 \* -16.0633 \* 0.3954 \* -2.2891 \*

\* 67 \* -16.7995 \* -1.8133 \* -11.0947 \*

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\* 116 \* 16.6232 \* 0.5284 \* -2.8081 \*

\* 117 \* 15.4198 \* -3.0818 \* -6.3837 \*

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\* 134 \* 8.5402 \* 0.1722 \* -4.1750 \*

\* 135 \* 7.6634 \* -2.4582 \* -7.1135 \*

\* 136 \* 12.6251 \* 0.2725 \* -3.1537 \*

\* 137 \* 11.6090 \* -2.7760 \* -5.5892 \*

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\* 352 \* -6.0341 \* -1.6800 \* -5.3503 \*

\* 353 \* -5.4409 \* 0.0998 \* 0.1564 \*

\* 354 \* -11.7505 \* -1.7335 \* -5.1455 \*

\* 355 \* -11.2113 \* -0.1157 \* 0.5771 \*

\* 356 \* -17.5142 \* -1.7754 \* -4.7470 \*

\* 357 \* -17.0221 \* -0.2990 \* 1.2155 \*

\* 358 \* -23.3471 \* -1.7947 \* -4.1549 \*

\* 359 \* -22.8953 \* -0.4391 \* 2.0716 \*

\* 360 \* -29.2712 \* -1.7804 \* -3.3691 \*

\* 361 \* 31.9705 \* 1.5002 \* 2.5054 \*

\* 362 \* 24.5148 \* -1.6406 \* -3.6011 \*

\* 363 \* 25.5065 \* 1.3346 \* 1.7316 \*

\* 364 \* 18.2217 \* -1.6007 \* -4.2567 \*

\* 365 \* 19.1337 \* 1.1353 \* 1.1481 \*

\* 366 \* 11.9910 \* -1.6040 \* -4.7460 \*

\* 367 \* 12.8302 \* 0.9135 \* 0.7547 \*

\* 368 \* 5.8008 \* -1.6396 \* -5.0690 \*

\* 369 \* 6.5740 \* 0.6800 \* 0.5517 \*

\* 370 \* -0.3710 \* -1.6964 \* -5.2258 \*

\* 371 \* 0.3431 \* 0.4458 \* 0.5388 \*

\* 372 \* -6.5461 \* -1.7635 \* -5.2164 \*

\* 373 \* -5.8843 \* 0.2219 \* 0.7162 \*

\* 374 \* -12.7467 \* -1.8299 \* -5.0407 \*

\* 375 \* -12.1303 \* 0.0192 \* 1.0838 \*

\* 376 \* -18.9945 \* -1.8847 \* -4.6988 \*

\* 377 \* -18.4167 \* -0.1512 \* 1.6416 \*

\* 378 \* -25.3116 \* -1.9168 \* -4.1907 \*

\* 379 \* -24.7655 \* -0.2785 \* 2.3897 \*

\* 380 \* -31.7198 \* -1.9154 \* -3.5163 \*

\* 381 \* 34.0334 \* 1.5323 \* 2.7759 \*

\* 382 \* 26.1536 \* -1.6470 \* -3.7008 \*

\* 383 \* 27.1625 \* 1.3795 \* 2.1136 \*

\* 384 \* 19.4450 \* -1.6200 \* -4.2483 \*

\* 385 \* 20.3827 \* 1.1932 \* 1.6140 \*

\* 386 \* 12.7987 \* -1.6362 \* -4.6570 \*

\* 387 \* 13.6721 \* 0.9842 \* 1.2772 \*

\* 388 \* 6.1928 \* -1.6846 \* -4.9270 \*

\* 389 \* 7.0089 \* 0.7635 \* 1.1033 \*

\* 390 \* -0.3945 \* -1.7543 \* -5.0581 \*

\* 391 \* 0.3710 \* 0.5422 \* 1.0921 \*

\* 392 \* -6.9853 \* -1.8342 \* -5.0504 \*

\* 393 \* -6.2635 \* 0.3311 \* 1.2438 \*

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\* 395 \* -12.9165 \* 0.1413 \* 1.5583 \*

\* 396 \* -20.2648 \* -1.9811 \* -4.6185 \*

\* 397 \* -19.6099 \* -0.0163 \* 2.0356 \*

\* 398 \* -26.9975 \* -2.0261 \* -4.1943 \*

\* 399 \* -26.3657 \* -0.1307 \* 2.6757 \*

\* 400 \* -33.8214 \* -2.0375 \* -3.6313 \*

\* 401 \* 35.7494 \* 1.5516 \* 3.0144 \*

\* 402 \* 27.5225 \* -1.6406 \* -3.7682 \*

\* 403 \* 28.5399 \* 1.4117 \* 2.4634 \*

\* 404 \* 20.4668 \* -1.6264 \* -4.2078 \*

\* 405 \* 21.4217 \* 1.2382 \* 2.0478 \*

\* 406 \* 13.4735 \* -1.6555 \* -4.5360 \*

\* 407 \* 14.3726 \* 1.0420 \* 1.7676 \*

\* 408 \* 6.5206 \* -1.7167 \* -4.7528 \*

\* 409 \* 7.3709 \* 0.8342 \* 1.6228 \*

\* 410 \* -0.4138 \* -1.7992 \* -4.8582 \*

\* 411 \* 0.3945 \* 0.6257 \* 1.6133 \*

\* 412 \* -7.3516 \* -1.8921 \* -4.8522 \*

\* 413 \* -6.5784 \* 0.4275 \* 1.7393 \*

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\* 415 \* -13.5699 \* 0.2506 \* 2.0007 \*

\* 416 \* -21.3253 \* -2.0646 \* -4.5060 \*

\* 417 \* -20.6018 \* 0.1058 \* 2.3974 \*

\* 418 \* -28.4050 \* -2.1225 \* -4.1658 \*

\* 419 \* -27.6960 \* 0.0043 \* 2.9295 \*

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\* 421 \* 37.1183 \* 1.5580 \* 3.2207 \*

\* 422 \* 28.6215 \* -1.6213 \* -3.8036 \*

\* 423 \* 29.6389 \* 1.4310 \* 2.7811 \*

\* 424 \* 21.2873 \* -1.6200 \* -4.1352 \*

\* 425 \* 22.2507 \* 1.2703 \* 2.4495 \*

\* 426 \* 14.0155 \* -1.6619 \* -4.3828 \*

\* 427 \* 14.9318 \* 1.0870 \* 2.2258 \*

\* 428 \* 6.7841 \* -1.7360 \* -4.5465 \*

\* 429 \* 7.6601 \* 0.8921 \* 2.1101 \*

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\* 431 \* 0.4138 \* 0.6964 \* 2.1024 \*

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\* 433 \* -6.8291 \* 0.5111 \* 2.2027 \*

\* 434 \* -14.8868 \* -2.0420 \* -4.5337 \*

\* 435 \* -14.0904 \* 0.3470 \* 2.4109 \*

\* 436 \* -22.1757 \* -2.1353 \* -4.3614 \*

\* 437 \* -21.3923 \* 0.2151 \* 2.7271 \*

\* 438 \* -29.5339 \* -2.2060 \* -4.1052 \*

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\* 440 \* -36.9833 \* -2.2431 \* -3.7650 \*

\* 441 \* 38.1401 \* 1.5516 \* 3.3948 \*

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\* 455 \* -14.4782 \* 0.4305 \* 2.7890 \*

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\* 457 \* -21.9814 \* 0.3115 \* 3.0247 \*

\* 458 \* -30.3844 \* -2.2767 \* -4.0124 \*

\* 459 \* -29.5469 \* 0.2357 \* 3.3409 \*

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\* 461 \* 38.8149 \* 1.5323 \* 3.5369 \*

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\* 463 \* 31.0014 \* 1.4310 \* 3.3201 \*

\* 464 \* 22.3241 \* -1.5686 \* -3.8936 \*

\* 465 \* 23.2790 \* 1.2960 \* 3.1564 \*

\* 466 \* 14.7010 \* -1.6362 \* -3.9801 \*

\* 467 \* 15.6258 \* 1.1384 \* 3.0459 \*

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\* 469 \* 8.0200 \* 0.9692 \* 2.9885 \*

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\* 475 \* -14.7331 \* 0.5012 \* 3.1350 \*

\* 476 \* -23.2469 \* -2.2381 \* -3.9758 \*

\* 477 \* -22.3691 \* 0.3951 \* 3.2901 \*

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\* 481 \* 39.1427 \* 1.5002 \* 3.6468 \*

\* 482 \* 30.2989 \* -1.4863 \* -3.7168 \*

\* 483 \* 31.2649 \* 1.4117 \* 3.5414 \*

\* 484 \* 22.5405 \* -1.5236 \* -3.7245 \*

\* 485 \* 23.4782 \* 1.2896 \* 3.4617 \*

\* 486 \* 14.8445 \* -1.6040 \* -3.7305 \*

\* 487 \* 15.7608 \* 1.1448 \* 3.4077 \*

\* 488 \* 7.1890 \* -1.7167 \* -3.7348 \*

\* 489 \* 8.0907 \* 0.9885 \* 3.3794 \*

\* 490 \* -0.4481 \* -1.8507 \* -3.7374 \*

\* 491 \* 0.4459 \* 0.8314 \* 3.3768 \*

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\* 726 \* 5.9385 \* 0.1624 \* 1.2283 \*

\* 727 \* 6.0449 \* 0.4814 \* 5.0963 \*

\* 728 \* 2.6064 \* 0.0260 \* 2.1187 \*

\* 729 \* 2.7558 \* 0.4742 \* 5.5447 \*

\* 730 \* -0.5694 \* -0.2672 \* 2.7140 \*

\* 731 \* -0.3334 \* 0.4408 \* 5.6859 \*

\* 732 \* -3.6229 \* -0.6390 \* 2.9421 \*

\* 733 \* -3.2758 \* 0.4020 \* 5.4889 \*

\* 734 \* -6.6077 \* -1.0355 \* 2.7655 \*

\* 735 \* -6.1356 \* 0.3808 \* 4.9340 \*

\* 736 \* -9.5868 \* -1.4256 \* 2.1647 \*

\* 737 \* -8.9777 \* 0.4018 \* 4.0088 \*

\* 738 \* -12.6307 \* -1.7940 \* 1.1236 \*

\* 739 \* -11.8685 \* 0.4924 \* 2.7050 \*

\* 740 \* -15.8269 \* -2.1347 \* -0.3811 \*

\* 741 \* 14.3045 \* 0.2767 \* 2.0405 \*

\* 742 \* 10.1189 \* -0.4753 \* -1.5521 \*

\* 743 \* 10.4104 \* 0.3992 \* 3.1562 \*

\* 744 \* 6.7469 \* 0.2649 \* -0.0733 \*

\* 745 \* 6.8096 \* 0.4527 \* 4.2515 \*

\* 746 \* 3.7126 \* 0.0448 \* 1.5693 \*

\* 747 \* 3.8438 \* 0.4385 \* 5.1320 \*

\* 748 \* 1.1181 \* -0.4156 \* 2.8516 \*

\* 749 \* 1.3847 \* 0.3842 \* 5.6804 \*

\* 750 \* -1.1396 \* -0.8679 \* 3.6436 \*

\* 751 \* -0.7434 \* 0.3208 \* 5.8444 \*

\* 752 \* -3.1814 \* -1.2346 \* 3.9333 \*

\* 753 \* -2.6785 \* 0.2742 \* 5.6054 \*

\* 754 \* -5.1057 \* -1.5058 \* 3.7405 \*

\* 755 \* -4.5155 \* 0.2649 \* 4.9574 \*

\* 756 \* -6.9840 \* -1.7002 \* 3.0859 \*

\* 757 \* -6.3134 \* 0.3117 \* 3.8916 \*

\* 758 \* -8.8689 \* -1.8516 \* 1.9751 \*

\* 759 \* -8.1053 \* 0.4392 \* 2.3864 \*

\* 760 \* -10.8139 \* -2.0086 \* 0.3802 \*

\* 761 \* 12.8663 \* 0.4405 \* 2.1274 \*

\* 762 \* 6.4218 \* -0.7260 \* -3.4026 \*

\* 763 \* 6.7528 \* 0.2668 \* 3.5904 \*

\* 764 \* 2.6405 \* -3.0321 \* 0.4769 \*

\* 765 \* 3.6604 \* 0.0274 \* 4.8501 \*

\* 766 \* 0.5068 \* -4.0891 \* 2.7202 \*

\* 767 \* 1.8079 \* -0.1856 \* 5.6645 \*

\* 768 \* -0.8619 \* -4.4154 \* 3.9824 \*

\* 769 \* 0.5031 \* -0.3203 \* 6.0171 \*

\* 770 \* -1.8639 \* -4.2845 \* 4.5605 \*

\* 771 \* -0.5555 \* -0.3593 \* 5.9420 \*

\* 772 \* -2.6994 \* -3.8799 \* 4.6114 \*

\* 773 \* -1.5083 \* -0.3067 \* 5.4739 \*

\* 774 \* -3.4690 \* -3.3384 \* 4.2264 \*

\* 775 \* -2.4153 \* -0.1773 \* 4.6338 \*

\* 776 \* -4.2071 \* -2.7664 \* 3.4643 \*

\* 777 \* -3.2814 \* 0.0109 \* 3.4210 \*

\* 778 \* -4.8817 \* -2.2474 \* 2.3677 \*

\* 779 \* -4.0507 \* 0.2458 \* 1.7992 \*

\* 780 \* -5.3654 \* -1.8522 \* 0.9733 \*

\* 781 \* 5.9069 \* -0.8976 \* 6.1863 \*

\* 782 \* -3.2769 \* -27.5255 \* 2.3628 \*

\* 783 \* 5.1685 \* -2.1895 \* 6.8201 \*

\* 784 \* -2.9677 \* -23.8523 \* 3.1194 \*

\* 785 \* 4.0092 \* -2.9216 \* 6.6805 \*

\* 786 \* -2.6486 \* -19.9324 \* 3.5360 \*

\* 787 \* 2.9469 \* -3.1458 \* 6.2249 \*

\* 788 \* -2.3072 \* -16.0280 \* 3.6553 \*

\* 789 \* 2.0411 \* -2.9829 \* 5.6097 \*

\* 790 \* -1.9910 \* -12.3220 \* 3.5488 \*

\* 791 \* 1.2634 \* -2.5590 \* 4.8822 \*

\* 792 \* -1.7371 \* -8.9496 \* 3.2578 \*

\* 793 \* 0.5836 \* -1.9876 \* 4.0454 \*

\* 794 \* -1.5637 \* -6.0283 \* 2.7963 \*

\* 795 \* -0.0101 \* -1.3674 \* 3.0833 \*

\* 796 \* -1.4655 \* -3.6764 \* 2.1668 \*

\* 797 \* -0.5026 \* -0.7877 \* 1.9718 \*

\* 798 \* -1.3958 \* -2.0210 \* 1.3796 \*

\* 799 \* -0.8363 \* -0.3425 \* 0.6861 \*

\* 800 \* -1.2169 \* -1.1947 \* 0.4868 \*

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*