

STAAD SPACE

START JOB INFORMATION

ENGINEER DATE 23-Aug-09

END JOB INFORMATION

INPUT WIDTH 79

UNIT METER KN

JOINT COORDINATES

1 0 0 0; 2 22 0 0; 3 22 0 2.7; 4 0 0 2.7; 5 0.5 0 0; 6 1 0 0; 7 1.5 0 0;

8 2 0 0; 9 2.5 0 0; 10 3 0 0; 11 3.5 0 0; 12 4 0 0; 13 4.5 0 0; 14 5 0 0;

15 5.5 0 0; 16 6 0 0; 17 6.5 0 0; 18 7 0 0; 19 7.5 0 0; 20 8 0 0; 21 8.5 0 0;

22 9 0 0; 23 9.5 0 0; 24 10 0 0; 25 10.5 0 0; 26 11 0 0; 27 11.5 0 0;

28 12 0 0; 29 12.5 0 0; 30 13 0 0; 31 13.5 0 0; 32 14 0 0; 33 14.5 0 0;

34 15 0 0; 35 15.5 0 0; 36 16 0 0; 37 16.5 0 0; 38 17 0 0; 39 17.5 0 0;

40 18 0 0; 41 18.5 0 0; 42 19 0 0; 43 19.5 0 0; 44 20 0 0; 45 20.5 0 0;

46 21 0 0; 47 21.5 0 0; 48 21.5 0 2.7; 49 21 0 2.7; 50 20.5 0 2.7; 51 20 0 2.7;

52 19.5 0 2.7; 53 19 0 2.7; 54 18.5 0 2.7; 55 18 0 2.7; 56 17.5 0 2.7;

57 17 0 2.7; 58 16.5 0 2.7; 59 16 0 2.7; 60 15.5 0 2.7; 61 15 0 2.7;

62 14.5 0 2.7; 63 14 0 2.7; 64 13.5 0 2.7; 65 13 0 2.7; 66 12.5 0 2.7;

67 12 0 2.7; 68 11.5 0 2.7; 69 11 0 2.7; 70 10.5 0 2.7; 71 10 0 2.7;

72 9.5 0 2.7; 73 9 0 2.7; 74 8.5 0 2.7; 75 8 0 2.7; 76 7.5 0 2.7; 77 7 0 2.7;

78 6.5 0 2.7; 79 6 0 2.7; 80 5.5 0 2.7; 81 5 0 2.7; 82 4.5 0 2.7; 83 4 0 2.7;

84 3.5 0 2.7; 85 3 0 2.7; 86 2.5 0 2.7; 87 2 0 2.7; 88 1.5 0 2.7; 89 1 0 2.7;

90 0.5 0 2.7; 91 6 -1.5 1.35; 92 16 -1.5 1.35; 93 0 0 2.45455; 94 0 0 2.20909;

95 0 0 1.96364; 96 0 0 1.71818; 97 0 0 1.47273; 98 0 0 1.22727;

99 0 0 0.981818; 100 0 0 0.736364; 101 0 0 0.490909; 102 0 0 0.245454;

103 0.5 0 2.45455; 104 0.5 0 2.20909; 105 0.5 0 1.96364; 106 0.5 0 1.71818;

107 0.5 0 1.47273; 108 0.5 0 1.22727; 109 0.5 0 0.981818; 110 0.5 0 0.736364;

111 0.5 0 0.490909; 112 0.5 0 0.245454; 113 1 0 2.45455; 114 1 0 2.20909;

115 1 0 1.96364; 116 1 0 1.71818; 117 1 0 1.47273; 118 1 0 1.22727;

119 1 0 0.981818; 120 1 0 0.736364; 121 1 0 0.490909; 122 1 0 0.245454;

123 1.5 0 2.45455; 124 1.5 0 2.20909; 125 1.5 0 1.96364; 126 1.5 0 1.71818;

127 1.5 0 1.47273; 128 1.5 0 1.22727; 129 1.5 0 0.981818; 130 1.5 0 0.736364;

131 1.5 0 0.490909; 132 1.5 0 0.245454; 133 2 0 2.45455; 134 2 0 2.20909;

135 2 0 1.96364; 136 2 0 1.71818; 137 2 0 1.47273; 138 2 0 1.22727;

139 2 0 0.981818; 140 2 0 0.736364; 141 2 0 0.490909; 142 2 0 0.245454;

143 2.5 0 2.45455; 144 2.5 0 2.20909; 145 2.5 0 1.96364; 146 2.5 0 1.71818;

147 2.5 0 1.47273; 148 2.5 0 1.22727; 149 2.5 0 0.981818; 150 2.5 0 0.736364;

151 2.5 0 0.490909; 152 2.5 0 0.245454; 153 3 0 2.45455; 154 3 0 2.20909;

155 3 0 1.96364; 156 3 0 1.71818; 157 3 0 1.47273; 158 3 0 1.22727;

159 3 0 0.981818; 160 3 0 0.736364; 161 3 0 0.490909; 162 3 0 0.245454;

163 3.5 0 2.45455; 164 3.5 0 2.20909; 165 3.5 0 1.96364; 166 3.5 0 1.71818;

167 3.5 0 1.47273; 168 3.5 0 1.22727; 169 3.5 0 0.981818; 170 3.5 0 0.736364;

171 3.5 0 0.490909; 172 3.5 0 0.245454; 173 4 0 2.45455; 174 4 0 2.20909;

175 4 0 1.96364; 176 4 0 1.71818; 177 4 0 1.47273; 178 4 0 1.22727;

179 4 0 0.981818; 180 4 0 0.736364; 181 4 0 0.490909; 182 4 0 0.245454;

183 4.5 0 2.45455; 184 4.5 0 2.20909; 185 4.5 0 1.96364; 186 4.5 0 1.71818;

187 4.5 0 1.47273; 188 4.5 0 1.22727; 189 4.5 0 0.981818; 190 4.5 0 0.736364;

191 4.5 0 0.490909; 192 4.5 0 0.245454; 193 5 0 2.45455; 194 5 0 2.20909;

195 5 0 1.96364; 196 5 0 1.71818; 197 5 0 1.47273; 198 5 0 1.22727;

199 5 0 0.981818; 200 5 0 0.736364; 201 5 0 0.490909; 202 5 0 0.245454;

203 5.5 0 2.45455; 204 5.5 0 2.20909; 205 5.5 0 1.96364; 206 5.5 0 1.71818;

207 5.5 0 1.47273; 208 5.5 0 1.22727; 209 5.5 0 0.981818; 210 5.5 0 0.736364;

211 5.5 0 0.490909; 212 5.5 0 0.245454; 213 6 0 2.45455; 214 6 0 2.20909;

215 6 0 1.96364; 216 6 0 1.71818; 217 6 0 1.47273; 218 6 0 1.22727;

219 6 0 0.981818; 220 6 0 0.736364; 221 6 0 0.490909; 222 6 0 0.245454;

223 6.5 0 2.45455; 224 6.5 0 2.20909; 225 6.5 0 1.96364; 226 6.5 0 1.71818;

227 6.5 0 1.47273; 228 6.5 0 1.22727; 229 6.5 0 0.981818; 230 6.5 0 0.736364;

231 6.5 0 0.490909; 232 6.5 0 0.245454; 233 7 0 2.45455; 234 7 0 2.20909;

235 7 0 1.96364; 236 7 0 1.71818; 237 7 0 1.47273; 238 7 0 1.22727;

239 7 0 0.981818; 240 7 0 0.736364; 241 7 0 0.490909; 242 7 0 0.245454;

243 7.5 0 2.45455; 244 7.5 0 2.20909; 245 7.5 0 1.96364; 246 7.5 0 1.71818;

247 7.5 0 1.47273; 248 7.5 0 1.22727; 249 7.5 0 0.981818; 250 7.5 0 0.736364;

251 7.5 0 0.490909; 252 7.5 0 0.245454; 253 8 0 2.45455; 254 8 0 2.20909;

255 8 0 1.96364; 256 8 0 1.71818; 257 8 0 1.47273; 258 8 0 1.22727;

259 8 0 0.981818; 260 8 0 0.736364; 261 8 0 0.490909; 262 8 0 0.245454;

263 8.5 0 2.45455; 264 8.5 0 2.20909; 265 8.5 0 1.96364; 266 8.5 0 1.71818;

267 8.5 0 1.47273; 268 8.5 0 1.22727; 269 8.5 0 0.981818; 270 8.5 0 0.736364;

271 8.5 0 0.490909; 272 8.5 0 0.245454; 273 9 0 2.45455; 274 9 0 2.20909;

275 9 0 1.96364; 276 9 0 1.71818; 277 9 0 1.47273; 278 9 0 1.22727;

279 9 0 0.981818; 280 9 0 0.736364; 281 9 0 0.490909; 282 9 0 0.245454;

283 9.5 0 2.45455; 284 9.5 0 2.20909; 285 9.5 0 1.96364; 286 9.5 0 1.71818;

287 9.5 0 1.47273; 288 9.5 0 1.22727; 289 9.5 0 0.981818; 290 9.5 0 0.736364;

291 9.5 0 0.490909; 292 9.5 0 0.245454; 293 10 0 2.45455; 294 10 0 2.20909;

295 10 0 1.96364; 296 10 0 1.71818; 297 10 0 1.47273; 298 10 0 1.22727;

299 10 0 0.981818; 300 10 0 0.736364; 301 10 0 0.490909; 302 10 0 0.245454;

303 10.5 0 2.45455; 304 10.5 0 2.20909; 305 10.5 0 1.96364; 306 10.5 0 1.71818;

307 10.5 0 1.47273; 308 10.5 0 1.22727; 309 10.5 0 0.981818;

310 10.5 0 0.736364; 311 10.5 0 0.490909; 312 10.5 0 0.245454;

313 11 0 2.45455; 314 11 0 2.20909; 315 11 0 1.96364; 316 11 0 1.71818;

317 11 0 1.47273; 318 11 0 1.22727; 319 11 0 0.981818; 320 11 0 0.736364;

321 11 0 0.490909; 322 11 0 0.245454; 323 11.5 0 2.45455; 324 11.5 0 2.20909;

325 11.5 0 1.96364; 326 11.5 0 1.71818; 327 11.5 0 1.47273; 328 11.5 0 1.22727;

329 11.5 0 0.981818; 330 11.5 0 0.736364; 331 11.5 0 0.490909;

332 11.5 0 0.245454; 333 12 0 2.45455; 334 12 0 2.20909; 335 12 0 1.96364;

336 12 0 1.71818; 337 12 0 1.47273; 338 12 0 1.22727; 339 12 0 0.981818;

340 12 0 0.736364; 341 12 0 0.490909; 342 12 0 0.245454; 343 12.5 0 2.45455;

344 12.5 0 2.20909; 345 12.5 0 1.96364; 346 12.5 0 1.71818; 347 12.5 0 1.47273;

348 12.5 0 1.22727; 349 12.5 0 0.981818; 350 12.5 0 0.736364;

351 12.5 0 0.490909; 352 12.5 0 0.245454; 353 13 0 2.45455; 354 13 0 2.20909;

355 13 0 1.96364; 356 13 0 1.71818; 357 13 0 1.47273; 358 13 0 1.22727;

359 13 0 0.981818; 360 13 0 0.736364; 361 13 0 0.490909; 362 13 0 0.245454;

363 13.5 0 2.45455; 364 13.5 0 2.20909; 365 13.5 0 1.96364; 366 13.5 0 1.71818;

367 13.5 0 1.47273; 368 13.5 0 1.22727; 369 13.5 0 0.981818;

370 13.5 0 0.736364; 371 13.5 0 0.490909; 372 13.5 0 0.245454;

373 14 0 2.45455; 374 14 0 2.20909; 375 14 0 1.96364; 376 14 0 1.71818;

377 14 0 1.47273; 378 14 0 1.22727; 379 14 0 0.981818; 380 14 0 0.736364;

381 14 0 0.490909; 382 14 0 0.245454; 383 14.5 0 2.45455; 384 14.5 0 2.20909;

385 14.5 0 1.96364; 386 14.5 0 1.71818; 387 14.5 0 1.47273; 388 14.5 0 1.22727;

389 14.5 0 0.981818; 390 14.5 0 0.736364; 391 14.5 0 0.490909;

392 14.5 0 0.245454; 393 15 0 2.45455; 394 15 0 2.20909; 395 15 0 1.96364;

396 15 0 1.71818; 397 15 0 1.47273; 398 15 0 1.22727; 399 15 0 0.981818;

400 15 0 0.736364; 401 15 0 0.490909; 402 15 0 0.245454; 403 15.5 0 2.45455;

404 15.5 0 2.20909; 405 15.5 0 1.96364; 406 15.5 0 1.71818; 407 15.5 0 1.47273;

408 15.5 0 1.22727; 409 15.5 0 0.981818; 410 15.5 0 0.736364;

411 15.5 0 0.490909; 412 15.5 0 0.245454; 413 16 0 2.45455; 414 16 0 2.20909;

415 16 0 1.96364; 416 16 0 1.71818; 417 16 0 1.47273; 418 16 0 1.22727;

419 16 0 0.981818; 420 16 0 0.736364; 421 16 0 0.490909; 422 16 0 0.245454;

423 16.5 0 2.45455; 424 16.5 0 2.20909; 425 16.5 0 1.96364; 426 16.5 0 1.71818;

427 16.5 0 1.47273; 428 16.5 0 1.22727; 429 16.5 0 0.981818;

430 16.5 0 0.736364; 431 16.5 0 0.490909; 432 16.5 0 0.245454;

433 17 0 2.45455; 434 17 0 2.20909; 435 17 0 1.96364; 436 17 0 1.71818;

437 17 0 1.47273; 438 17 0 1.22727; 439 17 0 0.981818; 440 17 0 0.736364;

441 17 0 0.490909; 442 17 0 0.245454; 443 17.5 0 2.45455; 444 17.5 0 2.20909;

445 17.5 0 1.96364; 446 17.5 0 1.71818; 447 17.5 0 1.47273; 448 17.5 0 1.22727;

449 17.5 0 0.981818; 450 17.5 0 0.736364; 451 17.5 0 0.490909;

452 17.5 0 0.245454; 453 18 0 2.45455; 454 18 0 2.20909; 455 18 0 1.96364;

456 18 0 1.71818; 457 18 0 1.47273; 458 18 0 1.22727; 459 18 0 0.981818;

460 18 0 0.736364; 461 18 0 0.490909; 462 18 0 0.245454; 463 18.5 0 2.45455;

464 18.5 0 2.20909; 465 18.5 0 1.96364; 466 18.5 0 1.71818; 467 18.5 0 1.47273;

468 18.5 0 1.22727; 469 18.5 0 0.981818; 470 18.5 0 0.736364;

471 18.5 0 0.490909; 472 18.5 0 0.245454; 473 19 0 2.45455; 474 19 0 2.20909;

475 19 0 1.96364; 476 19 0 1.71818; 477 19 0 1.47273; 478 19 0 1.22727;

479 19 0 0.981818; 480 19 0 0.736364; 481 19 0 0.490909; 482 19 0 0.245454;

483 19.5 0 2.45455; 484 19.5 0 2.20909; 485 19.5 0 1.96364; 486 19.5 0 1.71818;

487 19.5 0 1.47273; 488 19.5 0 1.22727; 489 19.5 0 0.981818;

490 19.5 0 0.736364; 491 19.5 0 0.490909; 492 19.5 0 0.245454;

493 20 0 2.45455; 494 20 0 2.20909; 495 20 0 1.96364; 496 20 0 1.71818;

497 20 0 1.47273; 498 20 0 1.22727; 499 20 0 0.981818; 500 20 0 0.736364;

501 20 0 0.490909; 502 20 0 0.245454; 503 20.5 0 2.45455; 504 20.5 0 2.20909;

505 20.5 0 1.96364; 506 20.5 0 1.71818; 507 20.5 0 1.47273; 508 20.5 0 1.22727;

509 20.5 0 0.981818; 510 20.5 0 0.736364; 511 20.5 0 0.490909;

512 20.5 0 0.245454; 513 21 0 2.45455; 514 21 0 2.20909; 515 21 0 1.96364;

516 21 0 1.71818; 517 21 0 1.47273; 518 21 0 1.22727; 519 21 0 0.981818;

520 21 0 0.736364; 521 21 0 0.490909; 522 21 0 0.245454; 523 21.5 0 2.45455;

524 21.5 0 2.20909; 525 21.5 0 1.96364; 526 21.5 0 1.71818; 527 21.5 0 1.47273;

528 21.5 0 1.22727; 529 21.5 0 0.981818; 530 21.5 0 0.736364;

531 21.5 0 0.490909; 532 21.5 0 0.245454; 533 22 0 0.245455; 534 22 0 0.490909;

535 22 0 0.736364; 536 22 0 0.981818; 537 22 0 1.22727; 538 22 0 1.47273;

539 22 0 1.71818; 540 22 0 1.96364; 541 22 0 2.20909; 542 22 0 2.45455;

MEMBER INCIDENCES

1 1 5; 2 2 533; 3 3 48; 4 4 93; 5 5 6; 6 6 7; 7 7 8; 8 8 9; 9 9 10; 10 10 11;

11 11 12; 12 12 13; 13 13 14; 14 14 15; 15 15 16; 16 16 17; 17 17 18; 18 18 19;

19 19 20; 20 20 21; 21 21 22; 22 22 23; 23 23 24; 24 24 25; 25 25 26; 26 26 27;

27 27 28; 28 28 29; 29 29 30; 30 30 31; 31 31 32; 32 32 33; 33 33 34; 34 34 35;

35 35 36; 36 36 37; 37 37 38; 38 38 39; 39 39 40; 40 40 41; 41 41 42; 42 42 43;

43 43 44; 44 44 45; 45 45 46; 46 46 47; 47 47 2; 48 48 49; 49 49 50; 50 50 51;

51 51 52; 52 52 53; 53 53 54; 54 54 55; 55 55 56; 56 56 57; 57 57 58; 58 58 59;

59 59 60; 60 60 61; 61 61 62; 62 62 63; 63 63 64; 64 64 65; 65 65 66; 66 66 67;

67 67 68; 68 68 69; 69 69 70; 70 70 71; 71 71 72; 72 72 73; 73 73 74; 74 74 75;

75 75 76; 76 76 77; 77 77 78; 78 78 79; 79 79 80; 80 80 81; 81 81 82; 82 82 83;

83 83 84; 84 84 85; 85 85 86; 86 86 87; 87 87 88; 88 88 89; 89 89 90; 90 90 4;

91 79 91; 92 59 92; 93 91 16; 94 92 36; 95 1 91; 96 4 91; 97 91 92; 98 92 3;

99 92 2; 100 90 103; 101 89 113; 102 88 123; 103 87 133; 104 86 143;

105 85 153; 106 84 163; 107 83 173; 108 82 183; 109 81 193; 110 80 203;

111 79 213; 112 78 223; 113 77 233; 114 76 243; 115 75 253; 116 74 263;

117 73 273; 118 72 283; 119 71 293; 120 70 303; 121 69 313; 122 68 323;

123 67 333; 124 66 343; 125 65 353; 126 64 363; 127 63 373; 128 62 383;

129 61 393; 130 60 403; 131 59 413; 132 58 423; 133 57 433; 134 56 443;

135 55 453; 136 54 463; 137 53 473; 138 52 483; 139 51 493; 140 50 503;

141 49 513; 142 48 523; 143 93 94; 144 94 95; 145 95 96; 146 96 97; 147 97 98;

148 98 99; 149 99 100; 150 100 101; 151 101 102; 152 102 1; 153 103 104;

154 104 105; 155 105 106; 156 106 107; 157 107 108; 158 108 109; 159 109 110;

160 110 111; 161 111 112; 162 112 5; 163 113 114; 164 114 115; 165 115 116;

166 116 117; 167 117 118; 168 118 119; 169 119 120; 170 120 121; 171 121 122;

172 122 6; 173 123 124; 174 124 125; 175 125 126; 176 126 127; 177 127 128;

178 128 129; 179 129 130; 180 130 131; 181 131 132; 182 132 7; 183 133 134;

184 134 135; 185 135 136; 186 136 137; 187 137 138; 188 138 139; 189 139 140;

190 140 141; 191 141 142; 192 142 8; 193 143 144; 194 144 145; 195 145 146;

196 146 147; 197 147 148; 198 148 149; 199 149 150; 200 150 151; 201 151 152;

202 152 9; 203 153 154; 204 154 155; 205 155 156; 206 156 157; 207 157 158;

208 158 159; 209 159 160; 210 160 161; 211 161 162; 212 162 10; 213 163 164;

214 164 165; 215 165 166; 216 166 167; 217 167 168; 218 168 169; 219 169 170;

220 170 171; 221 171 172; 222 172 11; 223 173 174; 224 174 175; 225 175 176;

226 176 177; 227 177 178; 228 178 179; 229 179 180; 230 180 181; 231 181 182;

232 182 12; 233 183 184; 234 184 185; 235 185 186; 236 186 187; 237 187 188;

238 188 189; 239 189 190; 240 190 191; 241 191 192; 242 192 13; 243 193 194;

244 194 195; 245 195 196; 246 196 197; 247 197 198; 248 198 199; 249 199 200;

250 200 201; 251 201 202; 252 202 14; 253 203 204; 254 204 205; 255 205 206;

256 206 207; 257 207 208; 258 208 209; 259 209 210; 260 210 211; 261 211 212;

262 212 15; 263 213 214; 264 214 215; 265 215 216; 266 216 217; 267 217 218;

268 218 219; 269 219 220; 270 220 221; 271 221 222; 272 222 16; 273 223 224;

274 224 225; 275 225 226; 276 226 227; 277 227 228; 278 228 229; 279 229 230;

280 230 231; 281 231 232; 282 232 17; 283 233 234; 284 234 235; 285 235 236;

286 236 237; 287 237 238; 288 238 239; 289 239 240; 290 240 241; 291 241 242;

292 242 18; 293 243 244; 294 244 245; 295 245 246; 296 246 247; 297 247 248;

298 248 249; 299 249 250; 300 250 251; 301 251 252; 302 252 19; 303 253 254;

304 254 255; 305 255 256; 306 256 257; 307 257 258; 308 258 259; 309 259 260;

310 260 261; 311 261 262; 312 262 20; 313 263 264; 314 264 265; 315 265 266;

316 266 267; 317 267 268; 318 268 269; 319 269 270; 320 270 271; 321 271 272;

322 272 21; 323 273 274; 324 274 275; 325 275 276; 326 276 277; 327 277 278;

328 278 279; 329 279 280; 330 280 281; 331 281 282; 332 282 22; 333 283 284;

334 284 285; 335 285 286; 336 286 287; 337 287 288; 338 288 289; 339 289 290;

340 290 291; 341 291 292; 342 292 23; 343 293 294; 344 294 295; 345 295 296;

346 296 297; 347 297 298; 348 298 299; 349 299 300; 350 300 301; 351 301 302;

352 302 24; 353 303 304; 354 304 305; 355 305 306; 356 306 307; 357 307 308;

358 308 309; 359 309 310; 360 310 311; 361 311 312; 362 312 25; 363 313 314;

364 314 315; 365 315 316; 366 316 317; 367 317 318; 368 318 319; 369 319 320;

370 320 321; 371 321 322; 372 322 26; 373 323 324; 374 324 325; 375 325 326;

376 326 327; 377 327 328; 378 328 329; 379 329 330; 380 330 331; 381 331 332;

382 332 27; 383 333 334; 384 334 335; 385 335 336; 386 336 337; 387 337 338;

388 338 339; 389 339 340; 390 340 341; 391 341 342; 392 342 28; 393 343 344;

394 344 345; 395 345 346; 396 346 347; 397 347 348; 398 348 349; 399 349 350;

400 350 351; 401 351 352; 402 352 29; 403 353 354; 404 354 355; 405 355 356;

406 356 357; 407 357 358; 408 358 359; 409 359 360; 410 360 361; 411 361 362;

412 362 30; 413 363 364; 414 364 365; 415 365 366; 416 366 367; 417 367 368;

418 368 369; 419 369 370; 420 370 371; 421 371 372; 422 372 31; 423 373 374;

424 374 375; 425 375 376; 426 376 377; 427 377 378; 428 378 379; 429 379 380;

430 380 381; 431 381 382; 432 382 32; 433 383 384; 434 384 385; 435 385 386;

436 386 387; 437 387 388; 438 388 389; 439 389 390; 440 390 391; 441 391 392;

442 392 33; 443 393 394; 444 394 395; 445 395 396; 446 396 397; 447 397 398;

448 398 399; 449 399 400; 450 400 401; 451 401 402; 452 402 34; 453 403 404;

454 404 405; 455 405 406; 456 406 407; 457 407 408; 458 408 409; 459 409 410;

460 410 411; 461 411 412; 462 412 35; 463 413 414; 464 414 415; 465 415 416;

466 416 417; 467 417 418; 468 418 419; 469 419 420; 470 420 421; 471 421 422;

472 422 36; 473 423 424; 474 424 425; 475 425 426; 476 426 427; 477 427 428;

478 428 429; 479 429 430; 480 430 431; 481 431 432; 482 432 37; 483 433 434;

484 434 435; 485 435 436; 486 436 437; 487 437 438; 488 438 439; 489 439 440;

490 440 441; 491 441 442; 492 442 38; 493 443 444; 494 444 445; 495 445 446;

496 446 447; 497 447 448; 498 448 449; 499 449 450; 500 450 451; 501 451 452;

502 452 39; 503 453 454; 504 454 455; 505 455 456; 506 456 457; 507 457 458;

508 458 459; 509 459 460; 510 460 461; 511 461 462; 512 462 40; 513 463 464;

514 464 465; 515 465 466; 516 466 467; 517 467 468; 518 468 469; 519 469 470;

520 470 471; 521 471 472; 522 472 41; 523 473 474; 524 474 475; 525 475 476;

526 476 477; 527 477 478; 528 478 479; 529 479 480; 530 480 481; 531 481 482;

532 482 42; 533 483 484; 534 484 485; 535 485 486; 536 486 487; 537 487 488;

538 488 489; 539 489 490; 540 490 491; 541 491 492; 542 492 43; 543 493 494;

544 494 495; 545 495 496; 546 496 497; 547 497 498; 548 498 499; 549 499 500;

550 500 501; 551 501 502; 552 502 44; 553 503 504; 554 504 505; 555 505 506;

556 506 507; 557 507 508; 558 508 509; 559 509 510; 560 510 511; 561 511 512;

562 512 45; 563 513 514; 564 514 515; 565 515 516; 566 516 517; 567 517 518;

568 518 519; 569 519 520; 570 520 521; 571 521 522; 572 522 46; 573 523 524;

574 524 525; 575 525 526; 576 526 527; 577 527 528; 578 528 529; 579 529 530;

580 530 531; 581 531 532; 582 532 47; 583 533 534; 584 534 535; 585 535 536;

586 536 537; 587 537 538; 588 538 539; 589 539 540; 590 540 541; 591 541 542;

592 542 3;

DEFINE MATERIAL START

ISOTROPIC STEEL

E 2.05e+008

POISSON 0.3

DENSITY 76.8195

ALPHA 1.2e-005

DAMP 0.03

END DEFINE MATERIAL

CONSTANTS

MATERIAL STEEL MEMB 1 TO 592

MEMBER PROPERTY EUROPEAN

1 3 5 TO 90 TABLE ST HE260B

2 4 100 TO 592 TABLE ST HE120B

MEMBER PROPERTY EUROPEAN

95 96 98 99 PRIS YD 0.056

97 PRIS YD 0.081

91 TO 94 PRIS ROUND STA 0.2189 END 0.2189 THI 0.00768178

MEMBER CABLE

95 TO 99 TENSION 0

SUPPORTS

1 4 PINNED

2 3 FIXED BUT FX MZ

MEMBER RELEASE

91 START MX MY MZ

91 END MX MY MZ

93 START MX MY MZ

93 END MX MY MZ

94 START MX MY MZ

94 END MX MY MZ

92 START MX MY MZ

92 END MX MY MZ

DEFINE TIME HISTORY DT 0.0016

TYPE 1 FORCE

0.5 0 1 1 1.5 0

TYPE 2 FORCE

0.5 0 1 1 1.5 0

ARRIVAL TIME

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29

30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45

DAMPING 0.05

CUT OFF MODE SHAPE 10

LOAD 1 SELF WEIGHT

SELFWEIGHT Y -1

MODAL CALCULATION REQUESTED

LOAD 2 TIME HISTORY

TIME LOAD

95 FY 1 1 -0.750000

107 FY 1 2 -0.750000

115 FY 1 3 -0.750000

127 FY 1 4 -0.750000

135 FY 1 5 -0.750000

147 FY 1 6 -0.750000

155 FY 1 7 -0.750000

167 FY 1 8 -0.750000

175 FY 1 9 -0.750000

187 FY 1 10 -0.750000

195 FY 1 11 -0.750000

207 FY 1 12 -0.750000

215 FY 1 13 -0.750000

227 FY 1 14 -0.750000

235 FY 1 15 -0.750000

247 FY 1 16 -0.750000

255 FY 1 17 -0.750000

267 FY 1 18 -0.750000

275 FY 1 19 -0.750000

287 FY 1 20 -0.750000

295 FY 1 21 -0.750000

307 FY 1 22 -0.750000

315 FY 1 23 -0.750000

327 FY 1 24 -0.750000

335 FY 1 25 -0.750000

347 FY 1 26 -0.750000

355 FY 1 27 -0.750000

367 FY 1 28 -0.750000

375 FY 1 29 -0.750000

387 FY 1 30 -0.750000

395 FY 1 31 -0.750000

407 FY 1 32 -0.750000

415 FY 1 33 -0.750000

427 FY 1 34 -0.750000

435 FY 1 35 -0.750000

447 FY 1 36 -0.750000

455 FY 1 37 -0.750000

467 FY 1 38 -0.750000

475 FY 1 39 -0.750000

487 FY 1 40 -0.750000

495 FY 1 41 -0.750000

507 FY 1 42 -0.750000

515 FY 1 43 -0.750000

527 FY 1 44 -0.750000

540 FY 1 45 -0.750000

95 FZ 2 1 0.375000

107 FZ 2 2 -0.375000

115 FZ 2 3 0.375000

127 FZ 2 4 -0.375000

135 FZ 2 5 0.375000

147 FZ 2 6 -0.375000

155 FZ 2 7 0.375000

167 FZ 2 8 -0.375000

175 FZ 2 9 0.375000

187 FZ 2 10 -0.375000

195 FZ 2 11 0.375000

207 FZ 2 12 -0.375000

215 FZ 2 13 0.375000

227 FZ 2 14 -0.375000

235 FZ 2 15 0.375000

247 FZ 2 16 -0.375000

255 FZ 2 17 0.375000

267 FZ 2 18 -0.375000

275 FZ 2 19 0.375000

287 FZ 2 20 -0.375000

295 FZ 2 21 0.375000

307 FZ 2 22 -0.375000

315 FZ 2 23 0.375000

327 FZ 2 24 -0.375000

335 FZ 2 25 0.375000

347 FZ 2 26 -0.375000

355 FZ 2 27 0.375000

367 FZ 2 28 -0.375000

375 FZ 2 29 0.375000

387 FZ 2 30 -0.375000

395 FZ 2 31 0.375000

407 FZ 2 32 -0.375000

415 FZ 2 33 0.375000

427 FZ 2 34 -0.375000

435 FZ 2 35 0.375000

447 FZ 2 36 -0.375000

455 FZ 2 37 0.375000

467 FZ 2 38 -0.375000

475 FZ 2 39 0.375000

487 FZ 2 40 -0.375000

495 FZ 2 41 0.375000

507 FZ 2 42 -0.375000

515 FZ 2 43 0.375000

527 FZ 2 44 -0.375000

540 FZ 2 45 0.375000

PERFORM ANALYSIS

FINISH