

THE FOLLOWING SUPPLEMENTAL MATERIAL DID NOT APPEAR IN THE ORIGINAL PUBLICATION

AM-85-268

Rahel Gramlich-Meier et al.

The crystal structure of the monoclinic variety of ferrierite

Table.

Am. Min., 70, 5-6

|   |         |     |    |          |     |     |    |         |     |     |          |          |     |     |     |
|---|---------|-----|----|----------|-----|-----|----|---------|-----|-----|----------|----------|-----|-----|-----|
|   | 0, 0, L |     |    | 0, 9, L  |     |     | 1  | 144     | 107 | 24  | -5       | 146      | 50  | 83  |     |
|   |         |     |    |          |     |     | -3 | 194     | 187 | 18  | 5        | 74       | 148 | 118 |     |
| 1 | 8       | 0   | 71 | 0        | 93  | 0   | 56 | 3       | 173 | 244 | 21       |          |     |     |     |
| 3 | 150     | 0   | 30 | 2        | 117 | 22  | 35 | -5      | 181 | 110 | 30       | 1, 10, L |     |     |     |
| 5 | 166     | 0   | 30 | 4        | 156 | 12  | 33 | 5       | 241 | 184 | 25       |          |     |     |     |
| 7 | 139     | 0   | 57 | 0, 10, L |     |     |    | -7      | 235 | 167 | 53       | 0        | 848 | 863 | 14  |
|   | 0, 1, L |     |    |          |     |     |    | 7       | 238 | 111 | 54       | -2       | 328 | 368 | 19  |
|   |         |     |    |          |     |     |    | 1, 4, L |     |     |          | 2        | 252 | 184 | 28  |
| 2 | 175     | 210 | 20 | 1        | 153 | 53  | 28 |         |     |     |          | -4       | 497 | 521 | 23  |
| 4 | 358     | 355 | 10 | 3        | 203 | 135 | 26 |         |     |     |          | 4        | 473 | 430 | 31  |
| 6 | 142     | 3   | 32 | 0, 11, L |     |     |    | 0       | 476 | 487 | 7        |          |     |     |     |
|   | 0, 2, L |     |    |          |     |     |    | -2      | 45  | 82  | 56       | 1, 11, L |     |     |     |
|   |         |     |    |          |     |     |    | 2       | 205 | 198 | 17       |          |     |     |     |
|   |         |     |    |          |     |     |    | -4      | 217 | 196 | 17       | -1       | 101 | 22  | 63  |
| 1 | 132     | 149 | 22 | 0        | 100 | 0   | 70 | 4       | 153 | 56  | 24       | 1        | 127 | 55  | 52  |
| 3 | 97      | 81  | 34 | 2        | 191 | 111 | 27 | 4       | 153 | 56  | 24       | -3       | 39  | 75  | 124 |
| 5 | 178     | 112 | 22 | 4        | 138 | 12  | 64 | -6      | 306 | 274 | 38       | 3        | 293 | 214 | 42  |
| 7 | 140     | 58  | 60 | 0, 12, L |     |     |    | 6       | 240 | 92  | 49       |          |     |     |     |
|   |         |     |    |          |     |     |    | 1, 5, L |     |     | 1, 12, L |          |     |     |     |
|   |         |     |    |          |     |     |    | -1      | 171 | 211 | 20       | 0        | 94  | 62  | 71  |
|   | 0, 3, L |     |    |          |     |     |    | 1       | 155 | 176 | 23       | -2       | 104 | 73  | 101 |
| 0 | 10      | 0   | 82 | 0, 13, L |     |     |    | -3      | 108 | 4   | 31       | 2        | 309 | 81  | 40  |
| 2 | 105     | 5   | 32 |          |     |     |    | 3       | 17  | 49  | 69       |          |     |     |     |
| 4 | 351     | 357 | 10 | 0        | 189 | 0   | 63 | -5      | 213 | 171 | 29       | 1, 13, L |     |     |     |
| 6 | 133     | 59  | 37 | 2        | 119 | 43  | 72 | 5       | 254 | 204 | 26       |          |     |     |     |
|   | 0, 4, L |     |    | 1, 0, L  |     |     |    | 1, 6, L |     |     | -1       | 23       | 22  | 133 |     |
|   |         |     |    |          |     |     |    | 1       | 212 | 126 | 60       | 2, 0, L  |     |     |     |
| 1 | 135     | 153 | 26 | -2       | 12  | 0   | 80 | 0       | 113 | 96  | 31       |          |     |     |     |
| 3 | 147     | 130 | 24 | 2        | 63  | 0   | 62 | -2      | 168 | 136 | 21       |          |     |     |     |
| 5 | 382     | 344 | 12 | -4       | 158 | 0   | 30 | 2       | 286 | 269 | 11       | -1       | 9   | 0   | 75  |
|   | 0, 5, L |     |    |          |     |     |    | 4       | 149 | 60  | 37       | 1        | 9   | 0   | 74  |
|   |         |     |    |          |     |     |    | -4      | 149 | 60  | 37       | -3       | 155 | 0   | 28  |
| 0 | 14      | 0   | 83 | -6       | 227 | 0   | 42 | 4       | 101 | 32  | 54       | 3        | 15  | 0   | 78  |
| 2 | 185     | 203 | 19 | 6        | 121 | 0   | 75 | -6      | 57  | 33  | 123      | -5       | 189 | 0   | 39  |
| 4 | 164     | 177 | 23 | 1, 1, L  |     |     |    | 6       | 208 | 119 | 60       | 5        | 61  | 0   | 91  |
| 6 | 221     | 112 | 37 |          |     |     |    | 1, 7, L |     |     | -7       | 24       | 0   | 127 |     |
|   |         |     |    |          |     |     |    | -1      | 9   | 41  | 61       | 7        | 191 | 0   | 67  |
|   |         |     |    |          |     |     |    | 1       | 9   | 11  | 62       | -1       | 291 | 296 | 11  |
|   | 0, 6, L |     |    |          |     |     |    | 1       | 289 | 277 | 9        | 2, 1, L  |     |     |     |
|   |         |     |    |          |     |     |    | -3      | 121 | 89  | 43       |          |     |     |     |
| 1 | 329     | 325 | 9  | -5       | 168 | 89  | 31 | 3       | 304 | 261 | 20       | 0        | 59  | 44  | 38  |
| 3 | 105     | 36  | 35 | 5        | 106 | 21  | 47 | -5      | 421 | 398 | 16       | -2       | 88  | 148 | 37  |
| 5 | 303     | 287 | 18 | -7       | 235 | 163 | 54 | 5       | 392 | 428 | 19       | 2        | 168 | 186 | 19  |
|   |         |     |    |          |     |     |    | 7       | 283 | 185 | 44       | -4       | 193 | 189 | 17  |
|   | 0, 7, L |     |    | 1, 2, L  |     |     |    | 1, 8, L |     |     | 4        | 123      | 75  | 27  |     |
|   |         |     |    |          |     |     |    | 0       | 167 | 128 | 20       | -6       | 211 | 110 | 32  |
| 0 | 124     | 0   | 42 | 0        | 9   | 87  | 62 | -2      | 222 | 99  | 25       | 6        | 222 | 200 | 32  |
| 2 | 227     | 189 | 17 | -2       | 22  | 44  | 66 | 2       | 87  | 119 | 59       | 2, 2, L  |     |     |     |
| 4 | 193     | 78  | 23 | 2        | 162 | 155 | 21 | -4      | 213 | 117 | 31       |          |     |     |     |
| 6 | 188     | 168 | 48 | -4       | 159 | 6   | 21 | 4       | 56  | 53  | 84       | -1       | 37  | 81  | 58  |
|   | 0, 8, L |     |    |          |     |     |    | 4       | 124 | 18  | 28       | 1        | 78  | 62  | 38  |
|   |         |     |    |          |     |     |    | -6      | 190 | 47  | 35       | -3       | 145 | 9   | 22  |
| 1 | 18      | 14  | 71 | 6        | 181 | 15  | 38 | 1, 9, L |     |     | 3        | 153      | 124 | 22  |     |
| 3 | 142     | 17  | 29 | 1, 3, L  |     |     |    | -1      | 172 | 166 | 34       | -5       | 159 | 73  | 33  |
| 5 | 172     | 131 | 49 |          |     |     |    | 1       | 280 | 222 | 22       | 5        | 100 | 39  | 51  |
|   |         |     |    |          |     |     |    | -3      | 235 | 295 | 30       | -7       | 186 | 114 | 65  |
|   |         |     |    |          |     |     |    | 3       | 181 | 133 | 35       | 7        | 262 | 82  | 51  |

|         |     |     |     |          |     |     |     |         |     |     |     |          |     |     |     |
|---------|-----|-----|-----|----------|-----|-----|-----|---------|-----|-----|-----|----------|-----|-----|-----|
| 2, 3, L |     |     |     | -2       | 373 | 382 | 18  | 4       | 126 | 115 | 27  | 3, 9, L  |     |     |     |
| 0       | 100 | 96  | 33  | 2        | 246 | 212 | 25  | -6      | 145 | 72  | 47  | -1       | 350 | 413 | 15  |
| -2      | 133 | 186 | 25  | -4       | 189 | 70  | 39  | 6       | 127 | 3   | 54  | 1        | 127 | 74  | 45  |
| 2       | 276 | 304 | 12  | 4        | 183 | 85  | 41  | 3, 3, L |     |     |     | -3       | 72  | 82  | 73  |
| -4      | 109 | 91  | 31  | 2, 10, L |     |     |     | -1      | 45  | 27  | 56  | 3        | 197 | 120 | 34  |
| 4       | 172 | 189 | 21  | -1       | 154 | 77  | 40  | 1       | 12  | 14  | 65  | -5       | 350 | 423 | 28  |
| -6      | 197 | 140 | 35  | 1        | 232 | 242 | 29  | -3      | 76  | 80  | 40  | 5        | 214 | 93  | 63  |
| 6       | 211 | 128 | 35  | -3       | 486 | 546 | 15  | 3       | 120 | 92  | 28  | 3, 10, L |     |     |     |
| 2, 4, L |     |     |     | 3        | 517 | 523 | 16  | -5      | 284 | 251 | 21  | 0        | 190 | 148 | 34  |
| -1      | 150 | 65  | 23  | 2, 11, L |     |     |     | 5       | 234 | 187 | 26  | -2       | 543 | 566 | 14  |
| 1       | 191 | 165 | 17  | 0        | 205 | 113 | 33  | 3, 4, L |     |     |     | 2        | 411 | 405 | 17  |
| -3      | 135 | 106 | 25  | -2       | 433 | 439 | 15  | 0       | 163 | 116 | 21  | -4       | 149 | 26  | 81  |
| 3       | 231 | 188 | 16  | 2        | 497 | 503 | 16  | -2      | 107 | 2   | 30  | 4        | 303 | 253 | 42  |
| -5      | 150 | 59  | 38  | -4       | 24  | 21  | 136 | 2       | 86  | 39  | 37  | 3, 11, L |     |     |     |
| 5       | 158 | 32  | 38  | 4        | 24  | 162 | 133 | -4      | 167 | 95  | 29  | -1       | 285 | 198 | 27  |
| 2, 5, L |     |     |     | 2, 12, L |     |     |     | 4       | 98  | 43  | 51  | 1        | 243 | 187 | 29  |
| 0       | 215 | 193 | 15  | -1       | 291 | 324 | 44  | -6      | 127 | 126 | 81  | -3       | 248 | 78  | 48  |
| -2      | 85  | 125 | 38  | 1        | 260 | 155 | 46  | 6       | 90  | 47  | 105 | 3        | 99  | 71  | 101 |
| 2       | 132 | 56  | 26  | -3       | 328 | 366 | 42  | 3, 5, L |     |     |     | 3, 12, L |     |     |     |
| -4      | 150 | 116 | 35  | 3        | 349 | 302 | 41  | -1      | 241 | 224 | 13  | 0        | 197 | 164 | 60  |
| 4       | 161 | 57  | 34  | 2, 13, L |     |     |     | 1       | 98  | 148 | 34  | -2       | 268 | 23  | 46  |
| -6      | 300 | 53  | 38  | 0        | 149 | 88  | 82  | -3      | 120 | 36  | 28  | 2        | 126 | 50  | 88  |
| 6       | 23  | 58  | 130 | -2       | 96  | 137 | 109 | 3       | 156 | 131 | 23  | 3, 13, L |     |     |     |
| 2, 6, L |     |     |     | 2        | 250 | 257 | 54  | -5      | 104 | 36  | 57  | -1       | 260 | 35  | 51  |
| -1      | 86  | 46  | 38  | 3, 0, L  |     |     |     | 5       | 318 | 289 | 23  | 1        | 163 | 3   | 77  |
| 1       | 157 | 82  | 23  | 0        | 9   | 0   | 74  | 3, 6, L |     |     |     | 4, 0, L  |     |     |     |
| -3      | 106 | 35  | 34  | -2       | 44  | 0   | 70  | 0       | 413 | 414 | 9   | -1       | 11  | 0   | 81  |
| 3       | 311 | 326 | 12  | 2        | 71  | 0   | 56  | -2      | 179 | 207 | 20  | 1        | 11  | 0   | 80  |
| -5      | 140 | 67  | 47  | -4       | 145 | 0   | 32  | 2       | 141 | 66  | 26  | -3       | 15  | 0   | 79  |
| 5       | 90  | 48  | 69  | 4        | 160 | 0   | 29  | -4      | 233 | 302 | 27  | 3        | 58  | 0   | 62  |
| 2, 7, L |     |     |     | -4       | 145 | 0   | 32  | 4       | 212 | 162 | 27  | -5       | 115 | 0   | 66  |
| 0       | 335 | 338 | 10  | 4        | 160 | 0   | 29  | -6      | 130 | 121 | 89  | 5        | 191 | 0   | 40  |
| -2      | 286 | 222 | 14  | -6       | 22  | 0   | 116 | 6       | 192 | 74  | 65  | -7       | 24  | 0   | 131 |
| 2       | 329 | 318 | 10  | 6        | 205 | 0   | 46  | 3, 7, L |     |     |     | 7        | 99  | 0   | 105 |
| -4      | 143 | 37  | 41  | 3, 1, L  |     |     |     | -1      | 206 | 122 | 18  | 4, 1, L  |     |     |     |
| 4       | 215 | 275 | 30  | -1       | 11  | 62  | 66  | 1       | 135 | 2   | 27  | 0        | 130 | 147 | 22  |
| -6      | 128 | 34  | 92  | 1        | 60  | 113 | 45  | -3      | 141 | 4   | 38  | -2       | 13  | 118 | 66  |
| 6       | 128 | 47  | 94  | -3       | 103 | 157 | 30  | 3       | 275 | 294 | 20  | 2        | 221 | 203 | 16  |
| 2, 8, L |     |     |     | 3        | 61  | 79  | 47  | -5      | 187 | 34  | 39  | -4       | 190 | 191 | 19  |
| -1      | 270 | 262 | 11  | -5       | 383 | 407 | 14  | 5       | 196 | 38  | 38  | 4        | 277 | 272 | 13  |
| 1       | 139 | 3   | 27  | 5        | 334 | 385 | 19  | 3, 8, L |     |     |     | -6       | 237 | 207 | 30  |
| -3      | 354 | 382 | 14  | -7       | 181 | 109 | 71  | 0       | 149 | 96  | 25  | 6        | 209 | 167 | 34  |
| 3       | 419 | 438 | 15  | 7        | 92  | 85  | 110 | -2      | 181 | 152 | 31  | 4, 2, L  |     |     |     |
| -5      | 283 | 214 | 44  | 3, 2, L  |     |     |     | 2       | 148 | 129 | 36  | -1       | 54  | 84  | 52  |
| 5       | 314 | 298 | 42  | 0        | 229 | 227 | 10  | -4      | 97  | 30  | 65  | 1        | 328 | 322 | 9   |
| 2, 9, L |     |     |     | -2       | 128 | 102 | 25  | 4       | 313 | 303 | 22  |          |     |     |     |
| 0       | 249 | 276 | 25  | 2        | 13  | 120 | 67  |         |     |     |     |          |     |     |     |
|         |     |     |     | -4       | 251 | 257 | 14  |         |     |     |     |          |     |     |     |

|         |     |     |    |          |     |     |     |         |     |     |     |          |     |     |     |
|---------|-----|-----|----|----------|-----|-----|-----|---------|-----|-----|-----|----------|-----|-----|-----|
| 4, 2, L |     |     |    | 5        | 455 | 455 | 27  | -6      | 185 | 40  | 58  | -1       | 264 | 266 | 21  |
| -3      | 215 | 256 | 16 | 4, 9, L  |     |     |     | 6       | 251 | 91  | 43  | 1        | 295 | 283 | 20  |
| 3       | 181 | 190 | 19 |          |     |     |     | 5, 3, L |     |     |     | -3       | 179 | 79  | 39  |
| -5      | 186 | 115 | 30 | 0        | 419 | 414 | 15  |         |     |     |     | 3        | 153 | 27  | 42  |
| 5       | 142 | 89  | 40 | -2       | 211 | 206 | 30  | -1      | 97  | 111 | 34  | -5       | 350 | 362 | 25  |
| 4, 3, L |     |     |    | 2        | 249 | 254 | 26  | 1       | 123 | 78  | 27  | 5        | 340 | 349 | 44  |
|         |     |     |    | -4       | 225 | 230 | 49  | -3      | 100 | 59  | 33  | 5, 10, L |     |     |     |
|         |     |     |    | 4        | 251 | 72  | 48  | 3       | 137 | 136 | 25  | 0        | 296 | 307 | 25  |
| 0       | 470 | 470 | 8  | 4, 10, L |     |     |     | -5      | 275 | 273 | 22  | -2       | 239 | 247 | 20  |
| -2      | 229 | 226 | 13 |          |     |     |     | 5       | 21  | 5   | 87  | 2        | 277 | 205 | 29  |
| 2       | 144 | 120 | 23 |          |     |     |     | 5, 4, L |     |     |     | -4       | 201 | 167 | 61  |
| -4      | 18  | 31  | 82 | -1       | 243 | 200 | 29  |         |     |     |     | 4        | 170 | 207 | 75  |
| 4       | 252 | 227 | 22 | 1        | 261 | 213 | 28  | 0       | 63  | 49  | 46  | 5, 11, L |     |     |     |
| -6      | 341 | 289 | 35 | -3       | 22  | 61  | 99  | -2      | 138 | 134 | 25  | -1       | 200 | 55  | 39  |
| 6       | 209 | 129 | 51 | 3        | 22  | 37  | 100 | 2       | 63  | 69  | 47  | 1        | 121 | 18  | 58  |
| 4, 4, L |     |     |    | 4, 11, L |     |     |     | -4      | 164 | 165 | 34  | -3       | 23  | 30  | 131 |
| -1      | 186 | 252 | 16 | 0        | 314 | 304 | 25  | 4       | 19  | 13  | 86  | 3        | 217 | 55  | 59  |
| 1       | 110 | 156 | 30 | -2       | 353 | 318 | 24  | -6      | 125 | 94  | 85  |          |     |     |     |
| -3      | 63  | 81  | 38 | 2        | 211 | 265 | 38  | 6       | 303 | 93  | 40  | 5, 12, L |     |     |     |
| 3       | 179 | 159 | 19 | 4, 12, L |     |     |     | 5, 5, L |     |     |     | 5, 12, L |     |     |     |
| -5      | 188 | 56  | 31 | -1       | 368 | 347 | 36  | -1      | 247 | 277 | 14  | 0        | 394 | 312 | 33  |
| 5       | 174 | 80  | 35 | 1        | 332 | 270 | 41  | 1       | 95  | 13  | 36  | -2       | 410 | 460 | 29  |
| 4, 5, L |     |     |    | -3       | 187 | 103 | 72  | -3      | 136 | 79  | 26  | 2        | 375 | 311 | 39  |
| 0       | 249 | 252 | 13 | 3        | 59  | 192 | 128 | 3       | 179 | 183 | 21  | 5, 13, L |     |     |     |
| -2      | 101 | 33  | 33 | 4, 13, L |     |     |     | -5      | 296 | 250 | 24  | -1       | 320 | 244 | 45  |
| 2       | 164 | 189 | 21 |          |     |     |     | 5       | 325 | 277 | 23  | 1        | 265 | 234 | 55  |
| -4      | 43  | 4   | 77 | 5, 0, L  |     |     |     | 5, 6, L |     |     |     | 6, 0, L  |     |     |     |
| 4       | 173 | 145 | 33 | 0        | 401 | 300 | 36  | 0       | 368 | 366 | 9   | -1       | 13  | 0   | 81  |
| -6      | 244 | 235 | 49 |          |     |     |     | -2      | 227 | 202 | 17  | 1        | 13  | 0   | 81  |
| 6       | 149 | 36  | 75 |          |     |     |     | 2       | 63  | 37  | 50  | -3       | 37  | 0   | 74  |
| 4, 6, L |     |     |    | 0        | 12  | 0   | 82  | -4      | 263 | 231 | 24  | 3        | 111 | 0   | 40  |
| -1      | 113 | 55  | 31 | -2       | 14  | 0   | 79  | 4       | 177 | 29  | 34  | -5       | 98  | 0   | 78  |
| 1       | 251 | 230 | 13 | 2        | 14  | 0   | 79  | -6      | 244 | 18  | 52  | 5        | 184 | 0   | 46  |
| -3      | 101 | 83  | 49 | -4       | 51  | 0   | 69  | 6       | 235 | 91  | 54  | 6, 1, L  |     |     |     |
| 3       | 155 | 183 | 34 | 4        | 48  | 0   | 72  | 5, 7, L |     |     |     |          |     |     |     |
| -5      | 37  | 55  | 91 | -6       | 31  | 0   | 112 | -1      | 162 | 136 | 23  | 0        | 287 | 280 | 9   |
| 5       | 198 | 98  | 35 | 6        | 199 | 0   | 52  | 1       | 108 | 3   | 33  | -2       | 191 | 159 | 18  |
| 4, 7, L |     |     |    | 5, 1, L  |     |     |     | -3      | 135 | 103 | 41  | 2        | 196 | 227 | 17  |
| 0       | 633 | 629 | 8  | -1       | 158 | 184 | 21  | 3       | 246 | 180 | 25  | -4       | 125 | 23  | 40  |
| -2      | 126 | 2   | 29 | 1        | 257 | 287 | 10  | -5      | 299 | 250 | 40  | 4        | 218 | 232 | 25  |
| 2       | 137 | 52  | 27 | -3       | 211 | 195 | 15  | 5       | 23  | 22  | 129 | -6       | 152 | 83  | 68  |
| -4      | 223 | 254 | 29 | 3        | 163 | 140 | 20  | 5, 8, L |     |     |     | 6        | 169 | 93  | 63  |
| 4       | 326 | 364 | 22 | -5       | 171 | 120 | 35  | 0       | 158 | 126 | 37  | 6, 2, L  |     |     |     |
| 4, 8, L |     |     |    | 5, 2, L  |     |     |     | -2      | 339 | 277 | 18  | -1       | 201 | 272 | 16  |
| -1      | 387 | 462 | 14 | 0        | 333 | 362 | 8   | 2       | 339 | 356 | 14  | 1        | 14  | 34  | 67  |
| 1       | 177 | 63  | 32 | -2       | 297 | 289 | 10  | -4      | 189 | 12  | 38  | -3       | 166 | 101 | 20  |
| -3      | 245 | 271 | 25 | 2        | 54  | 5   | 50  | 4       | 255 | 38  | 29  | 3        | 197 | 133 | 18  |
| 3       | 153 | 21  | 40 | -4       | 164 | 85  | 31  | 5, 9, L |     |     |     | -5       | 196 | 201 | 32  |
| -5      | 407 | 357 | 34 | 4        | 126 | 74  | 39  |         |     |     |     |          |     |     |     |

|         |     |     |          |          |     |          |          |         |          |         |         |          |     |     |    |
|---------|-----|-----|----------|----------|-----|----------|----------|---------|----------|---------|---------|----------|-----|-----|----|
| 6, 2, L |     |     | 6, 9, L  |          |     | 3        | 81       | 20      | 40       | -4      | 150     | 112      | 81  |     |    |
| 5       | 213 | 131 | 30       | 0        | 174 | 78       | 36       | -5      | 164      | 79      | 40      | 4        | 182 | 182 | 73 |
| 6, 3, L |     |     | 6, 10, L |          |     | 7, 4, L  |          |         | 7, 11, L |         |         |          |     |     |    |
| 0       | 154 | 135 | 22       | -2       | 97  | 103      | 62       | 0       | 195      | 144     | 18      | -1       | 231 | 144 | 53 |
| -2      | 224 | 255 | 15       | 2        | 159 | 48       | 42       | -2      | 126      | 107     | 28      | 1        | 242 | 229 | 50 |
| 2       | 193 | 217 | 18       | -4       | 76  | 70       | 110      | 2       | 192      | 173     | 19      | -3       | 276 | 173 | 50 |
| -4      | 205 | 226 | 28       | 4        | 107 | 139      | 101      | -4      | 132      | 5       | 42      | 3        | 289 | 6   | 46 |
| 4       | 169 | 200 | 32       | -1       | 156 | 67       | 41       | 4       | 147      | 146     | 38      | 7, 12, L |     |     |    |
| -6      | 23  | 68  | 126      | 1        | 133 | 180      | 53       | -6      | 159      | 135     | 72      | 0        | 455 | 500 | 30 |
| 6       | 321 | 97  | 38       | -3       | 258 | 284      | 46       | 6       | 272      | 88      | 47      | -2       | 399 | 460 | 28 |
| 6, 4, L |     |     | 6, 11, L |          |     | 7, 5, L  |          |         | 8, 0, L  |         |         |          |     |     |    |
| -1      | 89  | 58  | 37       | 0        | 388 | 413      | 17       | -1      | 181      | 118     | 19      | 8, 0, L  |     |     |    |
| 1       | 75  | 84  | 42       | -2       | 260 | 230      | 49       | 1       | 348      | 359     | 10      | -1       | 15  | 0   | 82 |
| -3      | 174 | 177 | 21       | 2        | 236 | 80       | 52       | -3      | 199      | 163     | 28      | 1        | 15  | 0   | 80 |
| 3       | 123 | 9   | 28       | -5       | 256 | 198      | 28       | 3       | 152      | 187     | 36      | -3       | 128 | 0   | 40 |
| -5      | 256 | 198 | 28       | 5        | 164 | 71       | 39       | -5      | 314      | 309     | 25      | 3        | 109 | 0   | 44 |
| 5       | 164 | 71  | 39       | 6, 12, L |     |          | 7, 6, L  |         |          | 8, 1, L |         |          |     |     |    |
| 6, 5, L |     |     | 7, 0, L  |          |     | 7, 7, L  |          |         | 8, 2, L  |         |         |          |     |     |    |
| 0       | 99  | 92  | 34       | -1       | 202 | 165      | 62       | 0       | 232      | 222     | 15      | 8, 2, L  |     |     |    |
| -2      | 139 | 59  | 25       | 1        | 77  | 78       | 114      | -2      | 224      | 188     | 24      | 0        | 75  | 34  | 42 |
| 2       | 203 | 126 | 18       | 0        | 14  | 0        | 83       | 2       | 18       | 47      | 84      | -2       | 224 | 218 | 16 |
| -4      | 166 | 32  | 36       | -2       | 122 | 0        | 38       | -4      | 75       | 123     | 74      | 2        | 143 | 46  | 24 |
| 4       | 163 | 97  | 36       | 2        | 155 | 0        | 30       | 4       | 122      | 191     | 52      | -4       | 321 | 264 | 19 |
| -6      | 41  | 81  | 126      | -4       | 141 | 0        | 52       | 7, 7, L |          |         | 8, 1, L |          |     |     |    |
| 6       | 70  | 25  | 117      | 4        | 159 | 0        | 46       | -1      | 328      | 278     | 18      | 4        | 163 | 103 | 34 |
| 6, 6, L |     |     | 7, 1, L  |          |     | 7, 8, L  |          |         | 8, 3, L  |         |         |          |     |     |    |
| -1      | 70  | 90  | 47       | -6       | 151 | 0        | 71       | 0       | 501      | 484     | 13      | 0        | 338 | 343 | 9  |
| 1       | 118 | 114 | 30       | 6        | 91  | 0        | 99       | -2      | 439      | 460     | 15      | -2       | 158 | 153 | 23 |
| -3      | 222 | 68  | 25       | 7, 2, L  |     |          | 7, 9, L  |         |          | 8, 3, L |         |          |     |     |    |
| 3       | 213 | 219 | 26       | 0        | 157 | 152      | 21       | 2       | 441      | 452     | 15      | 2        | 146 | 170 | 24 |
| -5      | 271 | 171 | 41       | -2       | 134 | 134      | 25       | -4      | 214      | 79      | 53      | -4       | 145 | 75  | 40 |
| 5       | 274 | 234 | 43       | 2        | 81  | 3        | 38       | 4       | 107      | 78      | 96      | 4        | 291 | 221 | 22 |
| 6, 7, L |     |     | 7, 3, L  |          |     | 7, 10, L |          |         | 8, 4, L  |         |         |          |     |     |    |
| 0       | 108 | 46  | 34       | -4       | 108 | 74       | 47       | -1      | 236      | 175     | 28      | -1       | 137 | 77  | 25 |
| -2      | 255 | 230 | 22       | 4        | 191 | 101      | 29       | 1       | 345      | 342     | 21      | 1        | 289 | 293 | 10 |
| 2       | 197 | 92  | 29       | -6       | 215 | 109      | 54       | -3      | 194      | 35      | 39      | -3       | 327 | 323 | 18 |
| -4      | 97  | 104 | 61       | 6        | 23  | 99       | 128      | 3       | 276      | 303     | 29      | 3        | 230 | 183 | 25 |
| 4       | 208 | 83  | 33       | 7, 3, L  |     |          | 7, 10, L |         |          | 8, 4, L |         |          |     |     |    |
| 6, 8, L |     |     | 7, 3, L  |          |     | 7, 10, L |          |         | 8, 4, L  |         |         |          |     |     |    |
| -1      | 185 | 28  | 30       | -1       | 271 | 277      | 10       | 0       | 446      | 501     | 16      | -1       | 137 | 77  | 25 |
| 1       | 117 | 33  | 48       | 1        | 319 | 317      | 10       | -2      | 538      | 548     | 16      | 1        | 289 | 293 | 10 |
| -3      | 212 | 137 | 31       | -3       | 115 | 28       | 30       | 2       | 577      | 634     | 17      | -3       | 327 | 323 | 18 |
| 3       | 203 | 181 | 33       | 7, 3, L  |     |          | 7, 10, L |         |          | 8, 4, L |         |          |     |     |    |
| -5      | 369 | 332 | 36       | -1       | 271 | 277      | 10       | 0       | 446      | 501     | 16      | -1       | 137 | 77  | 25 |
| 5       | 233 | 16  | 56       | 1        | 319 | 317      | 10       | -2      | 538      | 548     | 16      | 1        | 289 | 293 | 10 |
| 6, 8, L |     |     | 7, 3, L  |          |     | 7, 10, L |          |         | 8, 4, L  |         |         |          |     |     |    |
| -1      | 185 | 28  | 30       | -3       | 115 | 28       | 30       | 2       | 577      | 634     | 17      | -3       | 327 | 323 | 18 |







|          |     |     |     |          |     |     |     |          |     |     |     |          |     |     |    |
|----------|-----|-----|-----|----------|-----|-----|-----|----------|-----|-----|-----|----------|-----|-----|----|
| 13, 8, L |     |     |     | 14, 7, L |     |     |     | 15, 7, L |     |     |     | 17, 2, L |     |     |    |
| -2       | 23  | 9   | 133 | 0        | 99  | 16  | 97  | -1       | 192 | 34  | 64  | 0        | 278 | 246 | 48 |
| 2        | 199 | 153 | 65  | -2       | 283 | 81  | 43  | 1        | 195 | 52  | 66  | -2       | 225 | 132 | 57 |
|          |     |     |     | 2        | 41  | 7   | 129 |          |     |     |     | 2        | 271 | 91  | 49 |
| 13, 9, L |     |     |     | 14, 8, L |     |     |     | 16, 0, L |     |     |     | 17, 3, L |     |     |    |
| -1       | 195 | 68  | 64  | -1       | 24  | 70  | 134 | -1       | 94  | 0   | 99  | -1       | 215 | 68  | 58 |
| 1        | 277 | 289 | 48  | 1        | 24  | 13  | 133 | 1        | 31  | 0   | 125 | 1        | 165 | 63  | 74 |
| 14, 0, L |     |     |     | 15, 0, L |     |     |     | 16, 1, L |     |     |     | 17, 4, L |     |     |    |
| -1       | 21  | 0   | 112 | 0        | 122 | 0   | 75  | 0        | 83  | 82  | 107 | 0        | 246 | 302 | 56 |
| 1        | 82  | 0   | 90  | -2       | 201 | 0   | 53  | -2       | 219 | 335 | 56  |          |     |     |    |
| -3       | 213 | 0   | 49  | 2        | 154 | 0   | 69  | 2        | 234 | 117 | 51  |          |     |     |    |
| 3        | 98  | 0   | 91  | -4       | 242 | 0   | 51  |          |     |     |     |          |     |     |    |
| 14, 1, L |     |     |     | 15, 1, L |     |     |     | 16, 2, L |     |     |     | 18, 0, L |     |     |    |
| 0        | 258 | 293 | 26  | -1       | 417 | 493 | 16  | -1       | 201 | 191 | 58  | -1       | 212 | 0   | 61 |
| -2       | 630 | 691 | 14  | 1        | 437 | 464 | 16  | 1        | 229 | 263 | 53  | 1        | 199 | 0   | 69 |
| 2        | 314 | 212 | 24  | -3       | 372 | 242 | 34  | -3       | 41  | 108 | 131 | 0        | 262 | 116 | 54 |
| -4       | 161 | 258 | 75  | 3        | 243 | 83  | 49  | 3        | 146 | 207 | 82  |          |     |     |    |
| 4        | 194 | 7   | 62  |          |     |     |     |          |     |     |     |          |     |     |    |
| 14, 2, L |     |     |     | 15, 2, L |     |     |     | 16, 3, L |     |     |     | 18, 1, L |     |     |    |
| -1       | 123 | 159 | 52  | 0        | 156 | 65  | 45  | 0        | 214 | 49  | 56  |          |     |     |    |
| 1        | 21  | 63  | 95  | -2       | 177 | 78  | 63  | -2       | 46  | 144 | 123 |          |     |     |    |
| -3       | 194 | 230 | 60  | 2        | 238 | 89  | 47  | 2        | 146 | 86  | 82  |          |     |     |    |
| 3        | 231 | 112 | 51  |          |     |     |     |          |     |     |     |          |     |     |    |
| 14, 3, L |     |     |     | 15, 3, L |     |     |     | 16, 4, L |     |     |     |          |     |     |    |
| 0        | 248 | 255 | 26  | -1       | 239 | 219 | 31  | -1       | 256 | 182 | 48  |          |     |     |    |
| -2       | 394 | 388 | 20  | 1        | 297 | 308 | 27  | 1        | 225 | 81  | 54  |          |     |     |    |
| 2        | 142 | 106 | 50  | -3       | 256 | 152 | 49  |          |     |     |     |          |     |     |    |
| -4       | 252 | 242 | 51  | 3        | 159 | 20  | 75  |          |     |     |     |          |     |     |    |
| 4        | 47  | 87  | 128 |          |     |     |     |          |     |     |     |          |     |     |    |
| 14, 4, L |     |     |     | 15, 4, L |     |     |     | 16, 5, L |     |     |     |          |     |     |    |
| -1       | 139 | 1   | 50  | 0        | 236 | 197 | 33  | 0        | 257 | 207 | 50  |          |     |     |    |
| 1        | 128 | 44  | 53  | -2       | 191 | 48  | 59  | -2       | 24  | 63  | 135 |          |     |     |    |
| -3       | 216 | 266 | 58  | 2        | 199 | 218 | 58  | 2        | 207 | 71  | 61  |          |     |     |    |
| 3        | 251 | 93  | 49  |          |     |     |     |          |     |     |     |          |     |     |    |
| 14, 5, L |     |     |     | 15, 5, L |     |     |     | 16, 6, L |     |     |     |          |     |     |    |
| 0        | 22  | 73  | 99  | -1       | 160 | 117 | 72  | -1       | 303 | 367 | 47  |          |     |     |    |
| -2       | 22  | 85  | 126 | 1        | 304 | 307 | 43  | 1        | 253 | 78  | 51  |          |     |     |    |
| 2        | 206 | 151 | 56  | -3       | 260 | 258 | 50  |          |     |     |     |          |     |     |    |
|          |     |     |     | 3        | 215 | 156 | 62  |          |     |     |     |          |     |     |    |
| 14, 6, L |     |     |     | 15, 6, L |     |     |     | 17, 0, L |     |     |     |          |     |     |    |
| -1       | 176 | 26  | 66  | 0        | 192 | 42  | 60  | 0        | 272 | 0   | 45  |          |     |     |    |
| 1        | 169 | 214 | 67  | -2       | 210 | 4   | 59  | -2       | 151 | 0   | 78  |          |     |     |    |
| -3       | 327 | 226 | 40  | 2        | 192 | 198 | 64  | 2        | 186 | 0   | 65  |          |     |     |    |
| 3        | 24  | 60  | 134 |          |     |     |     |          |     |     |     |          |     |     |    |

|         |      |      |          |          |      |      |      |         |      |          |     |          |          |      |      |      |    |
|---------|------|------|----------|----------|------|------|------|---------|------|----------|-----|----------|----------|------|------|------|----|
| 0, 0, L |      |      | 0, 9, L  |          |      | -2   | 1070 | 1009    | 8    | 4        | 214 | 66       | 35       |      |      |      |    |
| 2       | 1318 | 1303 | 13       | 1        | 751  | 771  | 9    | 2       | 1046 | 982      | 8   |          |          |      |      |      |    |
| 4       | 3748 | 3574 | 34       | 3        | 425  | 460  | 11   | -4      | 143  | 59       | 26  | 1, 10, L |          |      |      |      |    |
| 6       | 1413 | 1363 | 17       | 5        | 409  | 447  | 18   | 4       | 164  | 122      | 23  |          |          |      |      |      |    |
| 0, 1, L |      |      | 0, 10, L |          |      | -6   | 224  | 127     | 33   | -1       | 589 | 580      | 14       |      |      |      |    |
| 1       | 983  | 1114 | 7        | 0        | 2577 | 2507 | 22   | 6       | 237  | 186      | 33  | 1        | 530      | 533  | 14   |      |    |
| 3       | 416  | 414  | 8        | 2        | 256  | 259  | 19   | 1, 4, L |      |          | -3  | 910      | 963      | 15   |      |      |    |
| 5       | 351  | 357  | 11       | 4        | 1501 | 1519 | 12   | -1      | 337  | 271      | 9   | 3        | 993      | 1075 | 15   |      |    |
| 7       | 467  | 435  | 15       | 0, 11, L |      |      |      | 1       | 305  | 261      | 9   |          | 1, 11, L |      |      |      |    |
| 0, 2, L |      |      | 0, 12, L |          |      | -3   | 529  | 484     | 8    | 0        | 166 | 158      | 43       |      |      |      |    |
| 0       | 1489 | 1654 | 12       | 0        | 299  | 316  | 28   | 3       | 580  | 537      | 8   | -2       | 558      | 588  | 15   |      |    |
| 2       | 163  | 166  | 22       | 2        | 309  | 335  | 20   | -5      | 310  | 270      | 21  | 2        | 555      | 621  | 15   |      |    |
| 4       | 378  | 377  | 10       | 1        | 366  | 349  | 13   | 5       | 173  | 241      | 38  | -4       | 154      | 99   | 56   |      |    |
| 6       | 420  | 442  | 13       | 3        | 467  | 425  | 12   | 1, 5, L |      |          | 4   | 186      | 113      | 49   |      |      |    |
| 0, 3, L |      |      | 0, 13, L |          |      | 0    | 415  | 433     | 8    | 1, 12, L |     |          |          |      |      |      |    |
| 1       | 1484 | 1453 | 9        | 0        | 299  | 316  | 28   | -2      | 700  | 719      | 8   | -1       | 145      | 61   | 53   |      |    |
| 3       | 214  | 232  | 14       | 2        | 309  | 335  | 20   | 2       | 706  | 715      | 8   | 1        | 182      | 99   | 44   |      |    |
| 5       | 1551 | 1564 | 12       | 0, 14, L |      |      |      | -4      | 433  | 431      | 15  | -3       | 429      | 400  | 20   |      |    |
| 7       | 701  | 647  | 12       | 1        | 311  | 247  | 22   | 4       | 454  | 444      | 14  | 3        | 526      | 502  | 18   |      |    |
| 0, 4, L |      |      | 1, 0, L  |          |      | -6   | 366  | 332     | 26   | 1, 6, L  |     |          | 0        | 24   | 7    | 110  |    |
| 0       | 4480 | 4172 | 35       | -1       | 848  | 938  | 9    | 6       | 324  | 260      | 24  | -2       | 269      | 225  | 36   |      |    |
| 2       | 634  | 593  | 7        | 1        | 767  | 926  | 9    | -1      | 133  | 157      | 28  | 2        | 277      | 196  | 34   |      |    |
| 4       | 1040 | 1002 | 9        | 3        | 236  | 266  | 19   | 1       | 213  | 193      | 16  | 2, 0, L  |          |      |      |      |    |
| 6       | 1010 | 1018 | 11       | -3       | 271  | 281  | 19   | -3      | 598  | 614      | 8   | 0        | 2132     | 2430 | 20   |      |    |
| 0, 5, L |      |      | 1, 1, L  |          |      | 3    | 271  | 281     | 19   | 3        | 605 | 627      | 8        | -2   | 3444 | 3334 | 31 |
| 1       | 1311 | 1260 | 9        | -5       | 219  | 321  | 39   | -5      | 185  | 93       | 37  | 2        | 3202     | 3304 | 29   |      |    |
| 3       | 238  | 193  | 17       | 5        | 344  | 370  | 22   | 5       | 213  | 168      | 35  | -4       | 799      | 789  | 12   |      |    |
| 5       | 1203 | 1206 | 11       | 7        | 584  | 602  | 28   | 1, 7, L |      |          | 4   | 684      | 665      | 12   |      |      |    |
| 0, 6, L |      |      | 1, 2, L  |          |      | -7   | 650  | 616     | 25   | 0        | 197 | 164      | 19       | -6   | 186  | 168  | 51 |
| 0       | 633  | 559  | 10       | -2       | 1539 | 1483 | 10   | -2      | 1099 | 1099     | 9   | 6        | 260      | 278  | 44   |      |    |
| 2       | 426  | 398  | 8        | 2        | 1592 | 1531 | 11   | 2       | 1076 | 1081     | 9   | 2, 1, L  |          |      |      |      |    |
| 4       | 241  | 130  | 18       | -4       | 315  | 322  | 11   | -4      | 196  | 107      | 32  | -1       | 117      | 256  | 26   |      |    |
| 6       | 380  | 341  | 17       | 4        | 298  | 305  | 12   | 4       | 221  | 119      | 29  | 1        | 70       | 250  | 41   |      |    |
| 0, 7, L |      |      | 1, 3, L  |          |      | -6   | 499  | 481     | 16   | -6       | 263 | 198      | 35       | -3   | 251  | 207  | 13 |
| 1       | 1151 | 1117 | 9        | 6        | 465  | 456  | 16   | 6       | 254  | 207      | 36  | 3        | 296      | 267  | 11   |      |    |
| 3       | 382  | 346  | 11       | 0, 8, L  |      |      |      | 1, 8, L |      |          | -5  | 246      | 233      | 24   |      |      |    |
| 5       | 1457 | 1469 | 12       | 0        | 463  | 425  | 11   | -1      | 124  | 3        | 31  | 5        | 292      | 246  | 21   |      |    |
| 0, 8, L |      |      | 1, 4, L  |          |      | -1   | 196  | 171     | 15   | 1        | 140 | 19       | 27       | -7   | 235  | 202  | 37 |
| 0       | 463  | 425  | 11       | 1        | 166  | 158  | 19   | -3      | 833  | 802      | 13  | 7        | 209      | 153  | 44   |      |    |
| 2       | 486  | 525  | 9        | -3       | 108  | 21   | 30   | 3       | 933  | 880      | 14  | 2, 2, L  |          |      |      |      |    |
| 4       | 239  | 230  | 22       | 3        | 157  | 39   | 22   | -5      | 304  | 306      | 29  | 0        | 919      | 1033 | 7    |      |    |
| 0, 8, L |      |      | 1, 5, L  |          |      | -5   | 251  | 179     | 24   | 5        | 319 | 308      | 29       | -2   | 925  | 895  | 7  |
| 0       | 463  | 425  | 11       | 5        | 263  | 198  | 23   | 5       | 190  | 39       | 31  | 2        | 896      | 875  | 8    |      |    |
| 2       | 486  | 525  | 9        | -7       | 355  | 334  | 24   | -2      | 563  | 526      | 13  | -4       | 359      | 333  | 10   |      |    |
| 4       | 239  | 230  | 22       | 7        | 417  | 381  | 22   | 2       | 631  | 583      | 13  | 4        | 429      | 390  | 9    |      |    |
| 0, 8, L |      |      | 1, 6, L  |          |      | -4   | 185  | 157     | 43   | -6       | 433 | 484      | 17       | 6    | 553  | 587  | 18 |
| 0       | 463  | 425  | 11       | 0        | 71   | 262  | 44   | -4      | 185  | 157      | 43  |          |          |      |      |      |    |

|       |      |      |    |        |      |      |    |       |      |      |    |        |      |      |    |
|-------|------|------|----|--------|------|------|----|-------|------|------|----|--------|------|------|----|
| 2,3,L |      |      |    | 3      | 136  | 2    | 49 | 7     | 473  | 451  | 18 | 3,9,L  |      |      |    |
| -1    | 138  | 23   | 25 | -5     | 128  | 30   | 64 | 3,3,L |      |      |    | 0      | 780  | 811  | 13 |
| 1     | 97   | 113  | 35 | 5      | 178  | 130  | 51 | 0     | 2513 | 2335 | 15 | -2     | 587  | 616  | 13 |
| -3    | 777  | 801  | 8  | 2,10,L |      |      |    | -2    | 126  | 213  | 27 | 2      | 654  | 693  | 14 |
| 3     | 758  | 795  | 8  | 0      | 1024 | 1063 | 14 | 2     | 94   | 117  | 34 | -4     | 351  | 337  | 22 |
| -5    | 703  | 691  | 14 | -2     | 1047 | 1061 | 14 | -4    | 789  | 810  | 9  | 4      | 386  | 368  | 23 |
| 5     | 599  | 579  | 15 | 2      | 1168 | 1147 | 15 | 4     | 784  | 805  | 9  | 3,10,L |      |      |    |
| 2,4,L |      |      |    | -4     | 323  | 302  | 27 | -6    | 417  | 383  | 20 | -1     | 136  | 38   | 45 |
| 0     | 1534 | 1521 | 10 | 4      | 309  | 322  | 30 | 5     | 491  | 456  | 18 | 1      | 144  | 33   | 46 |
| -2    | 872  | 897  | 8  | 2,11,L |      |      |    | 3,4,L |      |      |    | -3     | 731  | 705  | 15 |
| 2     | 809  | 843  | 8  | -1     | 281  | 210  | 25 | -1    | 235  | 277  | 14 | 3      | 673  | 681  | 15 |
| -4    | 426  | 408  | 13 | 1      | 331  | 227  | 24 | 1     | 306  | 336  | 9  | 3,11,L |      |      |    |
| 4     | 396  | 390  | 14 | -3     | 152  | 147  | 52 | -3    | 389  | 348  | 10 | 0      | 273  | 185  | 29 |
| -6    | 275  | 243  | 30 | 3      | 173  | 53   | 48 | 3     | 340  | 288  | 11 | -2     | 943  | 941  | 15 |
| 6     | 173  | 210  | 46 | 2,12,L |      |      |    | 5     | 323  | 280  | 22 | 2      | 908  | 901  | 15 |
| 2,5,L |      |      |    | 0      | 528  | 566  | 16 | 3,5,L |      |      |    | -4     | 218  | 62   | 43 |
| -1    | 69   | 39   | 45 | -2     | 152  | 18   | 55 | 0     | 1185 | 1201 | 8  | 4      | 205  | 116  | 44 |
| 1     | 93   | 88   | 37 | 2      | 263  | 92   | 34 | -2    | 213  | 259  | 14 | 3,12,L |      |      |    |
| -3    | 549  | 566  | 8  | 2,13,L |      |      |    | 2     | 208  | 268  | 18 | -1     | 588  | 628  | 17 |
| 3     | 569  | 574  | 8  | -1     | 165  | 28   | 54 | -4    | 386  | 367  | 15 | 1      | 611  | 662  | 15 |
| -5    | 163  | 41   | 39 | 1      | 243  | 107  | 37 | 4     | 405  | 385  | 16 | -3     | 375  | 383  | 22 |
| 5     | 187  | 10   | 35 | 3,0,L  |      |      |    | -6    | 106  | 58   | 69 | 3      | 393  | 372  | 22 |
| 2,6,L |      |      |    | 1      | 243  | 107  | 37 | 6     | 216  | 155  | 39 | 3,13,L |      |      |    |
| 0     | 783  | 772  | 8  | -1     | 511  | 506  | 8  | 3,6,L |      |      |    | 0      | 387  | 402  | 23 |
| -2    | 251  | 201  | 16 | 1      | 414  | 416  | 11 | -1    | 251  | 250  | 12 | 4,0,L  |      |      |    |
| 2     | 128  | 55   | 28 | -3     | 221  | 290  | 17 | 1     | 214  | 222  | 17 | 0      | 650  | 749  | 9  |
| -4    | 95   | 29   | 57 | 3      | 217  | 295  | 19 | -3    | 354  | 330  | 10 | -2     | 856  | 829  | 11 |
| 4     | 130  | 84   | 45 | -5     | 264  | 219  | 34 | 3     | 338  | 314  | 11 | 2      | 776  | 788  | 11 |
| -6    | 347  | 400  | 27 | 5      | 412  | 336  | 22 | -5    | 315  | 225  | 24 | -4     | 339  | 304  | 16 |
| 6     | 343  | 382  | 24 | -7     | 759  | 689  | 24 | 5     | 344  | 254  | 23 | 4      | 333  | 315  | 16 |
| 2,7,L |      |      |    | 7      | 602  | 592  | 25 | 3,7,L |      |      |    | -6     | 645  | 689  | 20 |
| -1    | 137  | 72   | 28 | 3,1,L  |      |      |    | 0     | 1978 | 1940 | 12 | 6      | 637  | 637  | 22 |
| 1     | 131  | 15   | 29 | 0      | 806  | 858  | 6  | -2    | 387  | 382  | 9  | 4,1,L  |      |      |    |
| -3    | 909  | 883  | 13 | -2     | 1706 | 1688 | 12 | 2     | 352  | 331  | 10 | -1     | 1153 | 1122 | 8  |
| 3     | 840  | 787  | 13 | 2      | 1623 | 1681 | 11 | -4    | 855  | 872  | 14 | 1      | 1136 | 1130 | 8  |
| -5    | 703  | 706  | 15 | -4     | 497  | 492  | 8  | 4     | 808  | 844  | 14 | -3     | 384  | 363  | 8  |
| 5     | 584  | 559  | 17 | 4      | 524  | 529  | 9  | -6    | 357  | 305  | 27 | 3      | 366  | 370  | 10 |
| 2,8,L |      |      |    | -6     | 530  | 552  | 16 | 3,8,L |      |      |    | -5     | 962  | 968  | 14 |
| 0     | 1015 | 1034 | 9  | 6      | 449  | 471  | 17 | -1    | 756  | 726  | 8  | 5      | 878  | 898  | 14 |
| -2    | 223  | 133  | 27 | 3,2,L  |      |      |    | -1    | 910  | 891  | 9  | -7     | 137  | 50   | 60 |
| 2     | 259  | 227  | 24 | -1     | 1235 | 1303 | 9  | 1     | 910  | 891  | 9  | 7      | 215  | 71   | 41 |
| -4    | 514  | 534  | 16 | 1      | 1242 | 1297 | 9  | -3    | 597  | 657  | 13 | 4,2,L  |      |      |    |
| 4     | 448  | 492  | 17 | -3     | 275  | 261  | 10 | 3     | 626  | 653  | 14 | 0      | 1902 | 1788 | 12 |
| 2,9,L |      |      |    | 3      | 248  | 256  | 13 | -5    | 1033 | 1030 | 16 | -2     | 1177 | 1137 | 9  |
| -1    | 123  | 13   | 45 | -5     | 1344 | 1332 | 16 | 5     | 1062 | 1107 | 16 | 2      | 1180 | 1174 | 9  |
| 1     | 122  | 89   | 47 | 5      | 1390 | 1395 | 16 |       |      |      |    |        |      |      |    |
| -3    | 131  | 104  | 49 | -7     | 479  | 451  | 20 |       |      |      |    |        |      |      |    |



|         |      |      |    |          |      |      |    |          |      |      |    |          |     |     |    |
|---------|------|------|----|----------|------|------|----|----------|------|------|----|----------|-----|-----|----|
| 6, 3, L |      |      |    | 6, 10, L |      |      |    | 7, 4, L  |      |      |    | 7, 11, L |     |     |    |
| 1       | 720  | 711  | 8  | 0        | 733  | 788  | 14 | -1       | 399  | 384  | 8  | 0        | 269 | 202 | 33 |
| -3      | 1153 | 1149 | 9  | -2       | 1126 | 1180 | 15 | 1        | 336  | 324  | 10 | -2       | 202 | 43  | 44 |
| 3       | 1175 | 1192 | 10 | 2        | 1191 | 1208 | 15 | -3       | 329  | 338  | 15 | 2        | 192 | 85  | 46 |
| -5      | 329  | 371  | 22 | -4       | 249  | 202  | 37 | 3        | 404  | 406  | 14 |          |     |     |    |
| 5       | 291  | 276  | 24 | 4        | 206  | 197  | 45 | -5       | 478  | 481  | 16 |          |     |     |    |
|         |      |      |    |          |      |      |    | 5        | 644  | 626  | 16 |          |     |     |    |
| 6, 4, L |      |      |    | 6, 11, L |      |      |    | 7, 5, L  |      |      |    | 7, 12, L |     |     |    |
| 0       | 434  | 361  | 8  | -1       | 81   | 69   | 81 | 0        | 227  | 194  | 17 | -1       | 363 | 242 | 27 |
| -2      | 1182 | 1162 | 9  | 1        | 144  | 108  | 56 | -2       | 408  | 386  | 9  | 1        | 415 | 414 | 19 |
| 2       | 1250 | 1238 | 10 | -3       | 246  | 238  | 39 | 2        | 442  | 439  | 9  |          |     |     |    |
| -4      | 132  | 15   | 44 | 3        | 376  | 310  | 25 | -4       | 169  | 8    | 39 |          |     |     |    |
| 4       | 104  | 8    | 53 |          |      |      |    | 4        | 129  | 68   | 48 |          |     |     |    |
| -6      | 308  | 265  | 28 |          |      |      |    | -6       | 311  | 214  | 31 |          |     |     |    |
| 6       | 316  | 248  | 29 |          |      |      |    | 6        | 304  | 301  | 31 |          |     |     |    |
| 6, 5, L |      |      |    | 6, 12, L |      |      |    | 7, 6, L  |      |      |    | 8, 0, L  |     |     |    |
| -1      | 662  | 616  | 8  | 0        | 479  | 533  | 18 | -1       | 78   | 12   | 42 |          |     |     |    |
| 1       | 638  | 582  | 8  | -2       | 838  | 834  | 16 | 1        | 101  | 94   | 35 |          |     |     |    |
| -3      | 1035 | 994  | 14 | 2        | 914  | 904  | 17 | -3       | 840  | 860  | 13 |          |     |     |    |
| 3       | 971  | 925  | 13 |          |      |      |    | 3        | 795  | 779  | 13 |          |     |     |    |
| -5      | 1029 | 1010 | 15 |          |      |      |    | -5       | 423  | 447  | 18 |          |     |     |    |
| 5       | 997  | 1003 | 15 |          |      |      |    | 5        | 327  | 319  | 25 |          |     |     |    |
| 6, 6, L |      |      |    | 7, 0, L  |      |      |    | 7, 7, L  |      |      |    | 8, 1, L  |     |     |    |
| 0       | 151  | 75   | 25 | -1       | 1077 | 1070 | 12 | 0        | 1229 | 1197 | 14 |          |     |     |    |
| -2      | 166  | 156  | 23 | 1        | 1099 | 1104 | 12 | -2       | 347  | 333  | 17 |          |     |     |    |
| 2       | 161  | 190  | 22 | -3       | 95   | 14   | 50 | 2        | 296  | 213  | 21 |          |     |     |    |
| -4      | 154  | 147  | 44 | 3        | 125  | 81   | 40 | -4       | 931  | 884  | 15 |          |     |     |    |
| 4       | 235  | 191  | 29 | -5       | 916  | 936  | 20 | 4        | 994  | 958  | 15 |          |     |     |    |
| -6      | 239  | 99   | 38 | 5        | 1126 | 1154 | 22 |          |      |      |    |          |     |     |    |
| 6       | 239  | 185  | 40 |          |      |      |    |          |      |      |    |          |     |     |    |
| 6, 7, L |      |      |    | 7, 1, L  |      |      |    | 7, 8, L  |      |      |    | 8, 2, L  |     |     |    |
| -1      | 463  | 479  | 9  | 0        | 224  | 247  | 13 | -1       | 349  | 322  | 16 |          |     |     |    |
| 1       | 500  | 516  | 9  | -2       | 230  | 192  | 14 | 1        | 485  | 483  | 13 |          |     |     |    |
| -3      | 913  | 953  | 14 | 2        | 208  | 174  | 13 | -3       | 724  | 755  | 14 |          |     |     |    |
| 3       | 1011 | 1021 | 14 | -4       | 363  | 332  | 16 | 3        | 727  | 695  | 15 |          |     |     |    |
| -5      | 200  | 205  | 42 | 4        | 372  | 335  | 17 | -5       | 204  | 200  | 45 |          |     |     |    |
| 5       | 192  | 82   | 43 | -6       | 103  | 28   | 72 | 5        | 177  | 129  | 53 |          |     |     |    |
|         |      |      |    | 6        | 158  | 64   | 51 |          |      |      |    |          |     |     |    |
| 6, 8, L |      |      |    | 7, 2, L  |      |      |    | 7, 9, L  |      |      |    | 8, 3, L  |     |     |    |
| 0       | 758  | 765  | 13 | -1       | 873  | 861  | 8  | 0        | 559  | 499  | 15 |          |     |     |    |
| -2      | 1798 | 1772 | 18 | 1        | 865  | 874  | 8  | -2       | 330  | 332  | 21 |          |     |     |    |
| 2       | 1820 | 1811 | 18 | -3       | 1671 | 1642 | 12 | 2        | 249  | 265  | 31 |          |     |     |    |
| -       | 186  | 46   | 41 | 3        | 1553 | 1557 | 11 | -4       | 303  | 292  | 33 |          |     |     |    |
| 4       | 234  | 30   | 34 | -5       | 228  | 230  | 32 | 4        | 338  | 229  | 28 |          |     |     |    |
|         |      |      |    | 5        | 399  | 375  | 20 |          |      |      |    |          |     |     |    |
| 6, 9, L |      |      |    | 7, 3, L  |      |      |    | 7, 10, L |      |      |    | 8, 4, L  |     |     |    |
| -1      | 517  | 539  | 15 | 0        | 1332 | 1292 | 10 | -1       | 317  | 302  | 26 |          |     |     |    |
| 1       | 338  | 378  | 20 | -2       | 270  | 246  | 11 | 1        | 473  | 497  | 17 |          |     |     |    |
| -3      | 406  | 385  | 16 | 2        | 253  | 260  | 12 | -3       | 232  | 203  | 37 |          |     |     |    |
| 3       | 322  | 280  | 27 | -4       | 1004 | 989  | 14 | 3        | 338  | 275  | 27 |          |     |     |    |
|         |      |      |    | 4        | 1068 | 1018 | 14 |          |      |      |    |          |     |     |    |
|         |      |      |    | -6       | 422  | 343  | 23 |          |      |      |    |          |     |     |    |
|         |      |      |    | 6        | 442  | 385  | 20 |          |      |      |    |          |     |     |    |

|                 |                 |  |  |                 |                 |               |  |               |               |
|-----------------|-----------------|--|--|-----------------|-----------------|---------------|--|---------------|---------------|
| 8, 5, L         |                 |  |  | 3 1633 1667 24  | 9, 7, L         |               |  | -4 291 291 24 |               |
|                 |                 |  |  | -5 1302 1267 23 |                 |               |  | 4 277 303 22  |               |
| 1 792 803 8     | 5 1332 1384 24  |  |  |                 | 0 2008 2015 19  |               |  |               |               |
| -3 462 427 13   |                 |  |  |                 | -2 573 568 14   | 10, 3, L      |  |               |               |
| 3 337 370 16    | 9, 1, L         |  |  |                 | 2 606 562 14    |               |  |               |               |
| -5 1071 1102 16 | 0 612 564 8     |  |  |                 | -4 1010 1031 15 | -1 348 367 9  |  |               |               |
| 5 1023 1061 16  | -2 143 93 25    |  |  |                 | 4 1030 1053 16  | 1 295 306 13  |  |               |               |
| 8, 6, L         |                 |  |  | 2 162 68 22     | 9, 8, L         |               |  | -3 560 586 13 |               |
|                 |                 |  |  | -4 214 168 30   |                 |               |  | 3 569 599 14  |               |
| 0 429 367 9     | 4 131 90 46     |  |  |                 | -1 204 49 34    | -5 284 162 30 |  |               |               |
| -2 110 4 49     | -6 223 139 39   |  |  |                 | 1 335 237 22    | 5 178 130 45  |  |               |               |
| 2 69 28 68      | 6 167 125 52    |  |  |                 | -3 484 478 16   | 10, 4, L      |  |               |               |
| -4 255 217 28   | 9, 2, L         |  |  |                 | 3 370 254 23    |               |  |               |               |
| 4 156 159 46    | -1 622 619 8    |  |  |                 | 9, 9, L         |               |  | 0 165 116 20  |               |
| 8, 7, L         |                 |  |  | 1 569 548 9     | 0 118 52 59     |               |  | -2 473 494 12 |               |
|                 |                 |  |  | -3 187 172 31   | -2 181 43 42    |               |  | 2 511 517 13  |               |
| -1 245 169 24   | 3 288 227 21    |  |  |                 | 2 122 26 61     |               |  | -4 434 454 16 |               |
| 1 208 63 29     | -5 571 549 16   |  |  |                 | -4 178 85 50    |               |  | 4 397 435 17  |               |
| -3 222 192 32   | 5 603 594 15    |  |  |                 | 4 188 1 48      |               |  | 10, 5, L      |               |
| 3 250 160 29    | 9, 3, L         |  |  |                 | 9, 10, L        |               |  | -1 130 107 44 |               |
| -5 399 360 25   | 0 1987 1855 13  |  |  |                 | -1 233 185 35   |               |  | 1 168 142 34  |               |
| 5 505 401 21    | -2 640 675 8    |  |  |                 | 1 285 276 30    |               |  | -3 293 277 24 |               |
| 8, 8, L         |                 |  |  | 2 657 648 9     | -3 549 507 17   |               |  | 3 193 198 36  |               |
|                 |                 |  |  | -4 1001 1013 14 | 3 675 591 17    |               |  | -5 116 62 69  |               |
| 0 1256 1243 15  | 4 920 937 14    |  |  |                 |                 |               |  | 5 24 106 108  |               |
| -2 532 581 14   | -6 262 202 35   |  |  |                 | 9, 11, L        |               |  | 10, 6, L      |               |
| 2 544 547 15    | 6 189 182 47    |  |  |                 | 0 267 131 35    |               |  | 0 524 495 14  |               |
| -4 486 483 17   | 9, 4, L         |  |  |                 | -2 221 157 43   |               |  | -2 404 448 14 |               |
| 4 560 520 17    | -1 300 284 11   |  |  |                 | 2 200 111 46    |               |  | 2 457 442 16  |               |
| 8, 9, L         |                 |  |  | 1 176 170 20    | 10, 0, L        |               |  | -4 324 283 25 |               |
|                 |                 |  |  | -3 1337 1333 16 |                 |               |  | 4 295 243 29  |               |
| -1 342 327 16   | 3 1298 1299 15  |  |  |                 | 0 1088 1048 13  |               |  | 10, 7, L      |               |
| 1 160 76 44     | -5 630 602 16   |  |  |                 | -2 195 144 26   |               |  | -1 280 275 23 |               |
| -3 350 410 26   | 5 697 714 16    |  |  |                 | 2 89 70 56      |               |  | 1 198 168 35  |               |
| 3 206 260 41    | 9, 5, L         |  |  |                 | -4 144 22 65    |               |  | -3 340 343 17 |               |
|                 |                 |  |  | 0 123 89 30     | 4 225 43 40     |               |  | 3 451 436 17  |               |
| 8, 10, L        |                 |  |  | -2 257 230 25   | -6 300 250 45   |               |  | 10, 8, L      |               |
|                 |                 |  |  | 2 254 182 24    | 6 310 211 44    |               |  |               |               |
| 0 1005 1095 15  | -4 163 125 42   |  |  |                 | 10, 1, L        |               |  | 0 340 387 17  |               |
| -2 829 882 15   | 4 270 246 28    |  |  |                 | -1 181 103 21   |               |  | -2 704 718 15 |               |
| 2 778 829 15    | 9, 6, L         |  |  |                 | 1 182 84 21     |               |  | 2 683 637 16  |               |
| 8, 11, L        |                 |  |  | -1 339 340 16   | -3 277 300 20   |               |  | -4 472 483 21 |               |
|                 |                 |  |  | 1 294 268 21    | 3 270 260 23    |               |  | 4 519 510 19  |               |
| -1 242 32 35    | -3 504 495 14   |  |  |                 | -5 137 120 55   |               |  | 10, 9, L      |               |
| 1 258 192 36    | 3 570 554 14    |  |  |                 | 5 176 29 44     |               |  |               |               |
| 8, 12, L        |                 |  |  | -5 284 231 32   | 10, 2, L        |               |  | 0 340 387 17  |               |
|                 |                 |  |  | 5 238 116 37    | 0 352 346 9     |               |  | -2 704 718 15 |               |
| 0 766 796 17    | 9, 0, L         |  |  |                 | -2 849 835 9    |               |  | 2 683 637 16  |               |
|                 |                 |  |  | -1 885 857 12   | 2 760 756 9     |               |  | -4 472 483 21 |               |
| -2 829 882 15   | -3 1543 1551 23 |  |  |                 |                 |               |  | 4 519 510 19  |               |
| 2 778 829 15    |                 |  |  |                 |                 |               |  | 10, 9, L      |               |
| 8, 11, L        |                 |  |  |                 |                 |               |  | -1 152 39 51  |               |
|                 |                 |  |  |                 |                 |               |  | 1 200 18 39   |               |
| -1 242 32 35    |                 |  |  |                 |                 |               |  |               | -3 380 292 26 |
| 1 258 192 36    |                 |  |  |                 |                 |               |  |               | 3 229 174 40  |
| 8, 12, L        |                 |  |  |                 |                 |               |  |               |               |
|                 |                 |  |  |                 |                 |               |  |               |               |
| 0 766 796 17    |                 |  |  |                 |                 |               |  |               |               |
| 9, 0, L         |                 |  |  |                 |                 |               |  |               |               |
|                 |                 |  |  |                 |                 |               |  |               |               |
| -1 885 857 12   |                 |  |  |                 |                 |               |  |               |               |
| 1 939 882 12    |                 |  |  |                 |                 |               |  |               |               |
| -3 1543 1551 23 |                 |  |  |                 |                 |               |  |               |               |

|           |      |      |    |           |      |      |    |           |      |      |    |           |      |      |    |
|-----------|------|------|----|-----------|------|------|----|-----------|------|------|----|-----------|------|------|----|
| 10, 10, L |      |      |    | 11, 6, L  |      |      |    | 12, 3, L  |      |      |    | -5        | 696  | 727  | 23 |
| -2        | 103  | 35   | 75 | -1        | 216  | 78   | 30 | -1        | 570  | 604  | 14 | 5         | 619  | 643  | 23 |
| 2         | 218  | 35   | 41 | 1         | 20   | 101  | 94 | 1         | 739  | 741  | 13 | 13, 1, L  |      |      |    |
| 10, 11, L |      |      |    | -3        | 384  | 374  | 18 | -3        | 21   | 34   | 97 | 0         | 162  | 84   | 38 |
| -1        | 291  | 214  | 33 | 3         | 374  | 383  | 19 | 3         | 172  | 136  | 42 | -2        | 666  | 665  | 13 |
| 1         | 214  | 162  | 43 | 11, 7, L  |      |      |    | -5        | 589  | 650  | 18 | 2         | 674  | 622  | 14 |
| 11, 0, L  |      |      |    | 0         | 742  | 731  | 14 | 5         | 646  | 673  | 17 | -4        | 119  | 195  | 66 |
| -1        | 126  | 18   | 35 | -2        | 1811 | 1848 | 19 | 12, 4, L  |      |      |    | 4         | 202  | 196  | 41 |
| 1         | 112  | 5    | 37 | 2         | 1933 | 1925 | 20 | 0         | 510  | 518  | 14 | 13, 2, L  |      |      |    |
| -3        | 1394 | 1456 | 23 | -4        | 228  | 25   | 39 | -2        | 775  | 762  | 14 | -1        | 168  | 162  | 38 |
| 3         | 1392 | 1451 | 23 | 4         | 198  | 113  | 44 | 2         | 703  | 666  | 14 | 1         | 290  | 246  | 23 |
| -5        | 753  | 818  | 22 | 11, 8, L  |      |      |    | -4        | 574  | 544  | 16 | -3        | 208  | 176  | 36 |
| 5         | 713  | 736  | 22 | -1        | 542  | 581  | 15 | 4         | 603  | 624  | 17 | 3         | 324  | 296  | 25 |
| 11, 1, L  |      |      |    | 1         | 406  | 418  | 16 | 12, 5, L  |      |      |    | 13, 3, L  |      |      |    |
| 0         | 381  | 376  | 8  | -3        | 455  | 415  | 17 | -1        | 832  | 778  | 14 | 0         | 796  | 761  | 14 |
| -2        | 406  | 417  | 14 | 3         | 536  | 519  | 18 | 1         | 853  | 869  | 14 | -2        | 327  | 353  | 16 |
| 2         | 415  | 420  | 14 | 11, 9, L  |      |      |    | -3        | 311  | 273  | 26 | 2         | 421  | 401  | 16 |
| -4        | 270  | 205  | 27 | 0         | 162  | 22   | 48 | 3         | 222  | 167  | 35 | -4        | 253  | 196  | 33 |
| 4         | 218  | 204  | 32 | -2        | 204  | 168  | 43 | 12, 6, L  |      |      |    | 4         | 330  | 344  | 26 |
| 11, 2, L  |      |      |    | 2         | 347  | 280  | 27 | 0         | 92   | 11   | 68 | 13, 4, L  |      |      |    |
| -1        | 448  | 437  | 12 | 11, 10, L |      |      |    | -2        | 388  | 386  | 17 | -1        | 353  | 413  | 19 |
| 1         | 455  | 430  | 13 | -1        | 153  | 137  | 57 | 2         | 574  | 548  | 15 | 1         | 275  | 278  | 27 |
| -3        | 662  | 664  | 14 | 1         | 309  | 230  | 31 | -4        | 221  | 145  | 39 | -3        | 224  | 138  | 34 |
| 3         | 634  | 614  | 15 | 12, 0, L  |      |      |    | 4         | 135  | 63   | 62 | 3         | 252  | 235  | 33 |
| -5        | 220  | 168  | 38 | 0         | 2330 | 2293 | 32 | 12, 7, L  |      |      |    | 13, 5, L  |      |      |    |
| 5         | 208  | 223  | 41 | -2        | 480  | 481  | 21 | -1        | 422  | 452  | 17 | 0         | 413  | 341  | 18 |
| 11, 3, L  |      |      |    | 2         | 431  | 440  | 19 | 1         | 542  | 583  | 17 | -2        | 1155 | 1162 | 16 |
| 0         | 849  | 821  | 13 | -4        | 1545 | 1560 | 26 | -3        | 139  | 47   | 58 | 2         | 1024 | 1028 | 15 |
| -2        | 1806 | 1785 | 19 | 4         | 1576 | 1593 | 26 | 3         | 185  | 97   | 46 | -4        | 356  | 328  | 28 |
| 2         | 1816 | 1787 | 19 | 12, 1, L  |      |      |    | 12, 8, L  |      |      |    | 4         | 489  | 490  | 20 |
| -4        | 22   | 43   | 99 | -1        | 250  | 147  | 25 | 0         | 886  | 896  | 15 | 13, 6, L  |      |      |    |
| 4         | 196  | 82   | 38 | 1         | 272  | 229  | 21 | -2        | 422  | 435  | 18 | -1        | 592  | 642  | 16 |
| 11, 4, L  |      |      |    | -3        | 260  | 185  | 27 | 2         | 322  | 313  | 30 | 1         | 571  | 590  | 16 |
| -1        | 391  | 332  | 14 | 3         | 248  | 130  | 28 | 12, 9, L  |      |      |    | -3        | 192  | 179  | 45 |
| 1         | 304  | 248  | 19 | -5        | 359  | 304  | 23 | -1        | 398  | 371  | 24 | 3         | 216  | 178  | 40 |
| -3        | 529  | 590  | 14 | 5         | 410  | 383  | 20 | 1         | 269  | 224  | 34 | 13, 7, L  |      |      |    |
| 3         | 434  | 515  | 16 | 12, 2, L  |      |      |    | 12, 10, L |      |      |    | 0         | 747  | 746  | 15 |
| -5        | 620  | 664  | 17 | 0         | 1407 | 1296 | 16 | 0         | 1028 | 1066 | 17 | -2        | 374  | 368  | 24 |
| 5         | 532  | 554  | 18 | -2        | 257  | 170  | 25 | 2         | 425  | 430  | 18 | 2         | 425  | 430  | 18 |
| 11, 5, L  |      |      |    | 2         | 276  | 221  | 25 | 13, 0, L  |      |      |    | 13, 8, L  |      |      |    |
| 0         | 533  | 535  | 14 | -4        | 626  | 628  | 15 | -1        | 561  | 543  | 20 | -1        | 96   | 155  | 80 |
| -2        | 429  | 420  | 15 | 4         | 671  | 675  | 15 | 1         | 309  | 328  | 30 | 1         | 190  | 156  | 45 |
| 2         | 470  | 467  | 14 | 12, 3, L  |      |      |    | 12, 11, L |      |      |    | 13, 9, L  |      |      |    |
| -4        | 545  | 570  | 15 | -1        | 216  | 78   | 30 | -1        | 570  | 604  | 14 | 13, 10, L |      |      |    |
| 4         | 504  | 513  | 17 | 1         | 20   | 101  | 94 | 1         | 739  | 741  | 13 | 13, 11, L |      |      |    |

|                 |               |               |              |              |  |  |  |               |          |  |  |  |
|-----------------|---------------|---------------|--------------|--------------|--|--|--|---------------|----------|--|--|--|
| 14, 0, L        |               |               |              | 15, 0, L     |  |  |  | -3 606 640 17 | 18, 0, L |  |  |  |
| 0 619 636 21    | -1 409 330 30 | 3 540 552 18  |              | 0 588 632 27 |  |  |  |               |          |  |  |  |
| -2 1247 1254 23 | 1 43 4 118    |               | 16, 2, L     |              |  |  |  |               |          |  |  |  |
| 2 1368 1396 24  | -3 213 245 58 |               | 18, 2, L     |              |  |  |  |               |          |  |  |  |
| -4 218 116 57   | 3 418 455 25  | 0 745 742 15  | 0 272 213 36 |              |  |  |  |               |          |  |  |  |
| 4 206 104 62    |               | -2 398 365 22 |              |              |  |  |  |               |          |  |  |  |
| 14, 1, L        |               |               |              | 15, 1, L     |  |  |  |               |          |  |  |  |
|                 | 0 597 602 15  |               |              |              |  |  |  |               |          |  |  |  |
| -1 293 146 24   | -2 829 855 15 |               | 16, 3, L     |              |  |  |  |               |          |  |  |  |
| 1 187 98 36     | 2 763 831 15  | -1 142 73 57  |              |              |  |  |  |               |          |  |  |  |
| -3 446 427 18   | -4 233 126 39 | 1 132 10 61   |              |              |  |  |  |               |          |  |  |  |
| 3 463 479 18    | 4 233 111 40  | -3 281 41 33  |              |              |  |  |  |               |          |  |  |  |
| 14, 2, L        |               |               |              | 15, 2, L     |  |  |  |               |          |  |  |  |
|                 |               | 3 239 101 38  |              |              |  |  |  |               |          |  |  |  |
| 0 765 794 14    | -1 165 186 46 |               | 16, 4, L     |              |  |  |  |               |          |  |  |  |
| -2 1331 1384 17 | 1 323 345 26  | 0 170 176 49  |              |              |  |  |  |               |          |  |  |  |
| 2 1494 1497 18  | -3 211 215 41 | -2 161 88 53  |              |              |  |  |  |               |          |  |  |  |
| -4 202 47 42    | 3 253 237 35  | 2 222 50 40   |              |              |  |  |  |               |          |  |  |  |
| 4 24 60 108     |               |               |              |              |  |  |  |               |          |  |  |  |
| 14, 3, L        |               |               |              | 15, 3, L     |  |  |  |               |          |  |  |  |
|                 | 0 243 198 33  |               |              |              |  |  |  |               |          |  |  |  |
| -1 206 69 34    | -2 232 118 35 | -1 236 289 38 |              |              |  |  |  |               |          |  |  |  |
| 1 247 155 28    | 2 162 164 54  | 1 432 428 23  |              |              |  |  |  |               |          |  |  |  |
| -3 319 269 28   |               |               | 16, 6, L     |              |  |  |  |               |          |  |  |  |
| 3 341 351 24    |               |               | 0 540 653 17 |              |  |  |  |               |          |  |  |  |
| 14, 4, L        |               |               |              | 15, 4, L     |  |  |  |               |          |  |  |  |
|                 | -1 180 134 44 |               |              |              |  |  |  |               |          |  |  |  |
| 0 359 333 19    | 1 75 4 83     |               | 17, 0, L     |              |  |  |  |               |          |  |  |  |
| -2 401 337 20   | -3 213 62 41  | -1 536 563 24 |              |              |  |  |  |               |          |  |  |  |
| 2 481 463 17    | 3 24 15 109   | 1 600 664 23  |              |              |  |  |  |               |          |  |  |  |
| -4 417 377 26   |               |               | 16, 5, L     |              |  |  |  |               |          |  |  |  |
| 4 316 269 30    |               |               | 0 540 653 17 |              |  |  |  |               |          |  |  |  |
| 14, 5, L        |               |               |              | 15, 5, L     |  |  |  |               |          |  |  |  |
|                 | 0 975 1027 16 |               |              |              |  |  |  |               |          |  |  |  |
| -1 432 422 20   | -2 585 566 16 | 0 831 875 16  |              |              |  |  |  |               |          |  |  |  |
| 1 342 386 16    | 2 532 501 19  | -2 313 271 31 |              |              |  |  |  |               |          |  |  |  |
| -3 985 1017 16  |               | 2 251 251 36  |              |              |  |  |  |               |          |  |  |  |
| 3 1031 1057 16  |               |               | 17, 1, L     |              |  |  |  |               |          |  |  |  |
| 14, 6, L        |               |               |              | 15, 6, L     |  |  |  |               |          |  |  |  |
|                 |               |               |              |              |  |  |  |               |          |  |  |  |
| -1 432 422 20   | -1 263 74 33  | -1 345 290 27 |              |              |  |  |  |               |          |  |  |  |
| 1 342 386 16    | 1 62 24 94    | 1 231 235 39  |              |              |  |  |  |               |          |  |  |  |
| -3 985 1017 16  |               |               | 17, 2, L     |              |  |  |  |               |          |  |  |  |
| 3 1031 1057 16  |               |               |              |              |  |  |  |               |          |  |  |  |
| 14, 7, L        |               |               |              | 15, 7, L     |  |  |  |               |          |  |  |  |
|                 |               |               |              |              |  |  |  |               |          |  |  |  |
| 0 847 876 15    | 0 308 226 32  |               | 17, 3, L     |              |  |  |  |               |          |  |  |  |
| -2 293 271 31   |               | 0 345 271 28  |              |              |  |  |  |               |          |  |  |  |
| 2 366 375 20    |               | -2 228 214 40 |              |              |  |  |  |               |          |  |  |  |
| 14, 8, L        |               |               |              | 16, 0, L     |  |  |  |               |          |  |  |  |
|                 | 0 171 108 67  |               |              |              |  |  |  |               |          |  |  |  |
| -1 195 40 44    | -2 541 613 25 | 2 229 234 42  |              |              |  |  |  |               |          |  |  |  |
| 1 52 155 99     | 2 509 536 26  |               | 17, 4, L     |              |  |  |  |               |          |  |  |  |
| 14, 8, L        |               |               |              | 16, 1, L     |  |  |  |               |          |  |  |  |
|                 |               |               |              |              |  |  |  |               |          |  |  |  |
| 0 447 390 20    | -1 344 285 26 | -1 293 297 35 |              |              |  |  |  |               |          |  |  |  |
|                 | 1 366 325 22  | 1 334 274 30  |              |              |  |  |  |               |          |  |  |  |



END OF SUPPLEMENTAL MATERIAL