

Acta Crystallographica Section C

Crystal Structure

Communications

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**The Pseudo-Racemic Complex Bis[tris(2,2'-bipyridine)ruthenium(II)]
Hexacyanocobaltate(III) Chloride Octahydrate,
[Ru(bpy)₃]₂[Co(CN)₆]Cl·8H₂O**

H. Tamura, N. Ikeda, T. Iguro, T. Ohno and G.-E. Matsubayashi

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| 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 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|
| 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 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |

101F10 vs 101F10 for (RUBBY)312(CO)6(C)1.8H2O

page 6

101F10 vs 101F10 for (RUBBY)312(CO)6(C)1.8H2O

| K | J | FO | PC | sigF | K | J | FO | PC | sigF | K | J | FO | PC | sigF | K | J | FO | PC | sigF |
|---|---|------|------|------|---|----|------|-----|------|---|----|-----|----|------|---|----|-----|-----|------|
| 1 | 1 | 322 | 461 | 19 | 2 | 14 | 1139 | 113 | 35 | 3 | 8 | 473 | 17 | 29 | 4 | 5 | 164 | 179 | 13 |
| 1 | 1 | 552 | 660 | 27 | 2 | 13 | 735 | 220 | 23 | 5 | 9 | 452 | 45 | 20 | 6 | 6 | 473 | 179 | 13 |
| 1 | 1 | 240 | 384 | 15 | 2 | 12 | 1252 | 245 | 38 | 6 | 27 | 512 | 51 | 20 | 6 | 27 | 473 | 179 | 13 |
| 1 | 1 | 359 | 506 | 19 | 2 | 11 | 500 | 440 | 17 | 6 | 28 | 207 | 20 | 28 | 6 | 28 | 473 | 179 | 13 |
| 1 | 1 | 773 | 840 | 17 | 2 | 10 | 400 | 40 | 17 | 6 | 28 | 207 | 20 | 28 | 6 | 28 | 473 | 179 | 13 |
| 1 | 1 | 487 | 485 | 19 | 2 | 9 | 573 | 57 | 19 | 6 | 28 | 207 | 20 | 28 | 6 | 28 | 473 | 179 | 13 |
| 1 | 1 | 539 | 545 | 20 | 2 | 8 | 1366 | 142 | 47 | 6 | 28 | 207 | 20 | 28 | 6 | 28 | 473 | 179 | 13 |
| 1 | 1 | 857 | 888 | 15 | 2 | 7 | 223 | 130 | 10 | 6 | 28 | 207 | 20 | 28 | 6 | 28 | 473 | 179 | 13 |
| 1 | 1 | 574 | 554 | 15 | 2 | 6 | 194 | 159 | 15 | 6 | 28 | 207 | 20 | 28 | 6 | 28 | 473 | 179 | 13 |
| 1 | 1 | 810 | 812 | 17 | 2 | 5 | 105 | 105 | 33 | 6 | 28 | 207 | 20 | 28 | 6 | 28 | 473 | 179 | 13 |
| 1 | 1 | 1170 | 1172 | 13 | 2 | 4 | 421 | 430 | 21 | 6 | 28 | 207 | 20 | 28 | 6 | 28 | 473 | 179 | 13 |
| 1 | 1 | 593 | 577 | 13 | 2 | 3 | 101 | 106 | 31 | 6 | 28 | 207 | 20 | 28 | 6 | 28 | 473 | 179 | 13 |
| 1 | 1 | 1171 | 1171 | 13 | 2 | 2 | 158 | 165 | 47 | 6 | 28 | 207 | 20 | 28 | 6 | 28 | 473 | 179 | 13 |
| 1 | 1 | 1172 | 1172 | 13 | 2 | 1 | 102 | 105 | 31 | 6 | 28 | 207 | 20 | 28 | 6 | 28 | 473 | 179 | 13 |
| 1 | 1 | 1173 | 1173 | 13 | 2 | 0 | 158 | 165 | 47 | 6 | 28 | 207 | 20 | 28 | 6 | 28 | 473 | 179 | 13 |
| 1 | 1 | 1174 | 1174 | 13 | 2 | 0 | 102 | 105 | 31 | 6 | 28 | 207 | 20 | 28 | 6 | 28 | 473 | 179 | 13 |
| 1 | 1 | 1175 | 1175 | 13 | 2 | 0 | 158 | 165 | 47 | 6 | 28 | 207 | 20 | 28 | 6 | 28 | 473 | 179 | 13 |
| 1 | 1 | 1176 | 1176 | 13 | 2 | 0 | 102 | 105 | 31 | 6 | 28 | 207 | 20 | 28 | 6 | 28 | 473 | 179 | 13 |
| 1 | 1 | 1177 | 1177 | 13 | 2 | 0 | 158 | 165 | 47 | 6 | 28 | 207 | 20 | 28 | 6 | 28 | 473 | 179 | 13 |
| 1 | 1 | 1178 | 1178 | 13 | 2 | 0 | 102 | 105 | 31 | 6 | 28 | 207 | 20 | 28 | 6 | 28 | 473 | 179 | 13 |
| 1 | 1 | 1179 | 1179 | 13 | 2 | 0 | 158 | 165 | 47 | 6 | 28 | 207 | 20 | 28 | 6 | 28 | 473 | 179 | 13 |
| 1 | 1 | 1180 | 1180 | 13 | 2 | 0 | 102 | 105 | 31 | 6 | 28 | 207 | 20 | 28 | 6 | 28 | 473 | 179 | 13 |
| 1 | 1 | 1181 | 1181 | 13 | 2 | 0 | 158 | 165 | 47 | 6 | 28 | 207 | 20 | 28 | 6 | 28 | 473 | 179 | 13 |
| 1 | 1 | 1182 | 1182 | 13 | 2 | 0 | 102 | 105 | 31 | 6 | 28 | 207 | 20 | 28 | 6 | 28 | 473 | 179 | 13 |
| 1 | 1 | 1183 | 1183 | 13 | 2 | 0 | 158 | 165 | 47 | 6 | 28 | 207 | 20 | 28 | 6 | 28 | 473 | 179 | 13 |
| 1 | 1 | 1184 | 1184 | 13 | 2 | 0 | 102 | 105 | 31 | 6 | 28 | 207 | 20 | 28 | 6 | 28 | 473 | 179 | 13 |
| 1 | 1 | 1185 | 1185 | 13 | 2 | 0 | 158 | 165 | 47 | 6 | 28 | 207 | 20 | 28 | 6 | 28 | 473 | 179 | 13 |
| 1 | 1 | 1186 | 1186 | 13 | 2 | 0 | 102 | 105 | 31 | 6 | 28 | 207 | 20 | 28 | 6 | 28 | 473 | 179 | 13 |
| 1 | 1 | 1187 | 1187 | 13 | 2 | 0 | 158 | 165 | 47 | 6 | 28 | 207 | 20 | 28 | 6 | 28 | 473 | 179 | 13 |
| 1 | 1 | 1188 | 1188 | 13 | 2 | 0 | 102 | 105 | 31 | 6 | 28 | 207 | 20 | 28 | 6 | 28 | 473 | 179 | 13 |
| 1 | 1 | 1189 | 1189 | 13 | 2 | 0 | 158 | 165 | 47 | 6 | 28 | 207 | 20 | 28 | 6 | 28 | 473 | 179 | 13 |
| 1 | 1 | 1190 | 1190 | 13 | 2 | 0 | 102 | 105 | 31 | 6 | 28 | 207 | 20 | 28 | 6 | 28 | 473 | 179 | 13 |
| 1 | 1 | 1191 | 1191 | 13 | 2 | 0 | 158 | 165 | 47 | 6 | 28 | 207 | 20 | 28 | 6 | 28 | 473 | 179 | 13 |
| 1 | 1 | 1192 | 1192 | 13 | 2 | 0 | 102 | 105 | 31 | 6 | 28 | 207 | 20 | 28 | 6 | 28 | 473 | 179 | 13 |
| 1 | 1 | 1193 | 1193 | 13 | 2 | 0 | 158 | 165 | 47 | 6 | 28 | 207 | 20 | 28 | 6 | 28 | 473 | 179 | 13 |
| 1 | 1 | 1194 | 1194 | 13 | 2 | 0 | 102 | 105 | 31 | 6 | 28 | 207 | 20 | 28 | 6 | 28 | 473 | 179 | 13 |
| 1 | 1 | 1195 | 1195 | 13 | 2 | 0 | 158 | 165 | 47 | 6 | 28 | 207 | 20 | 28 | 6 | 28 | 473 | 179 | 13 |
| 1 | 1 | 1196 | 1196 | 13 | 2 | 0 | 102 | 105 | 31 | 6 | 28 | 207 | 20 | 28 | 6 | 28 | 473 | 179 | 13 |
| 1 | 1 | 1197 | 1197 | 13 | 2 | 0 | 158 | 165 | 47 | 6 | 28 | 207 | 20 | 28 | 6 | 28 | 473 | 179 | 13 |
| 1 | 1 | 1198 | 1198 | 13 | 2 | 0 | 102 | 105 | 31 | 6 | 28 | 207 | 20 | 28 | 6 | 28 | 473 | 179 | 13 |
| 1 | 1 | 1199 | 1199 | 13 | 2 | 0 | 158 | 165 | 47 | 6 | 28 | 207 | 20 | 28 | 6 | 28 | 473 | 179 | 13 |
| 1 | 1 | 1200 | 1200 | 13 | 2 | 0 | 102 | 105 | 31 | 6 | 28 | 207 | 20 | 28 | 6 | 28 | 473 | 179 | 13 |

IOIF10 vs IOIF10 for (RAU)P12(CO(CN)6)1212121212

| K | I | FO | FC | sigF | K | I | FO | FC | sigF | K | I | FO | FC | sigF |
|---|----|-----|------|------|---|----|------|------|------|---|----|-----|-----|------|
| 1 | 1 | 710 | 618 | 2717 | 1 | 1 | 927 | 922 | 29 | 1 | 1 | 276 | 299 | 15 |
| 1 | 2 | 565 | 2717 | 4211 | 1 | 2 | 630 | 614 | 20 | 1 | 2 | 666 | 687 | 23 |
| 1 | 3 | 459 | 386 | 3427 | 1 | 3 | 235 | 220 | 73 | 1 | 3 | 397 | 397 | 21 |
| 1 | 4 | 545 | 399 | 3427 | 1 | 4 | 750 | 774 | 24 | 1 | 4 | 154 | 153 | 13 |
| 1 | 5 | 335 | 355 | 317 | 1 | 5 | 612 | 680 | 699 | 1 | 5 | 339 | 352 | 17 |
| 1 | 6 | 335 | 355 | 317 | 1 | 6 | 1274 | 1242 | 39 | 1 | 6 | 671 | 597 | 23 |
| 1 | 7 | 200 | 1307 | 192 | 1 | 7 | 1401 | 1431 | 42 | 1 | 7 | 671 | 569 | 23 |
| 1 | 8 | 275 | 1078 | 184 | 1 | 8 | 1352 | 1362 | 77 | 1 | 8 | 319 | 356 | 16 |
| 1 | 9 | 624 | 1062 | 996 | 1 | 9 | 1352 | 1362 | 77 | 1 | 9 | 808 | 805 | 26 |
| 1 | 10 | 224 | 1216 | 1270 | 1 | 10 | 1361 | 898 | 29 | 1 | 10 | 903 | 896 | 29 |
| 1 | 11 | 210 | 529 | 474 | 1 | 11 | 1361 | 1394 | 40 | 1 | 11 | 889 | 873 | 28 |
| 1 | 12 | 499 | 2385 | 2378 | 1 | 12 | 731 | 562 | 19 | 1 | 12 | 469 | 475 | 16 |
| 1 | 13 | 240 | 236 | 710 | 1 | 13 | 523 | 581 | 562 | 1 | 13 | 593 | 571 | 20 |
| 1 | 14 | 204 | 2786 | 280 | 1 | 14 | 359 | 1022 | 970 | 1 | 14 | 751 | 697 | 23 |
| 1 | 15 | 175 | 448 | 280 | 1 | 15 | 359 | 1971 | 1364 | 1 | 15 | 751 | 725 | 26 |
| 1 | 16 | 311 | 350 | 301 | 1 | 16 | 359 | 1971 | 1364 | 1 | 16 | 751 | 725 | 26 |
| 1 | 17 | 181 | 861 | 301 | 1 | 17 | 359 | 1971 | 1364 | 1 | 17 | 751 | 725 | 26 |
| 1 | 18 | 557 | 658 | 658 | 1 | 18 | 359 | 1971 | 1364 | 1 | 18 | 751 | 725 | 26 |
| 1 | 19 | 201 | 658 | 658 | 1 | 19 | 359 | 1971 | 1364 | 1 | 19 | 751 | 725 | 26 |
| 1 | 20 | 236 | 658 | 658 | 1 | 20 | 359 | 1971 | 1364 | 1 | 20 | 751 | 725 | 26 |
| 1 | 21 | 190 | 436 | 569 | 1 | 21 | 359 | 1971 | 1364 | 1 | 21 | 751 | 725 | 26 |
| 1 | 22 | 506 | 1082 | 372 | 1 | 22 | 359 | 1971 | 1364 | 1 | 22 | 751 | 725 | 26 |
| 1 | 23 | 412 | 372 | 629 | 1 | 23 | 359 | 1971 | 1364 | 1 | 23 | 751 | 725 | 26 |
| 1 | 24 | 209 | 776 | 777 | 1 | 24 | 359 | 1971 | 1364 | 1 | 24 | 751 | 725 | 26 |
| 1 | 25 | 209 | 153 | 153 | 1 | 25 | 359 | 1971 | 1364 | 1 | 25 | 751 | 725 | 26 |
| 1 | 26 | 597 | 552 | 552 | 1 | 26 | 359 | 1971 | 1364 | 1 | 26 | 751 | 725 | 26 |
| 1 | 27 | 309 | 269 | 269 | 1 | 27 | 359 | 1971 | 1364 | 1 | 27 | 751 | 725 | 26 |
| 1 | 28 | 259 | 251 | 251 | 1 | 28 | 359 | 1971 | 1364 | 1 | 28 | 751 | 725 | 26 |
| 1 | 29 | 502 | 502 | 502 | 1 | 29 | 359 | 1971 | 1364 | 1 | 29 | 751 | 725 | 26 |
| 1 | 30 | 502 | 502 | 502 | 1 | 30 | 359 | 1971 | 1364 | 1 | 30 | 751 | 725 | 26 |
| 1 | 31 | 502 | 502 | 502 | 1 | 31 | 359 | 1971 | 1364 | 1 | 31 | 751 | 725 | 26 |
| 1 | 32 | 502 | 502 | 502 | 1 | 32 | 359 | 1971 | 1364 | 1 | 32 | 751 | 725 | 26 |
| 1 | 33 | 502 | 502 | 502 | 1 | 33 | 359 | 1971 | 1364 | 1 | 33 | 751 | 725 | 26 |
| 1 | 34 | 502 | 502 | 502 | 1 | 34 | 359 | 1971 | 1364 | 1 | 34 | 751 | 725 | 26 |
| 1 | 35 | 502 | 502 | 502 | 1 | 35 | 359 | 1971 | 1364 | 1 | 35 | 751 | 725 | 26 |
| 1 | 36 | 502 | 502 | 502 | 1 | 36 | 359 | 1971 | 1364 | 1 | 36 | 751 | 725 | 26 |
| 1 | 37 | 502 | 502 | 502 | 1 | 37 | 359 | 1971 | 1364 | 1 | 37 | 751 | 725 | 26 |
| 1 | 38 | 502 | 502 | 502 | 1 | 38 | 359 | 1971 | 1364 | 1 | 38 | 751 | 725 | 26 |
| 1 | 39 | 502 | 502 | 502 | 1 | 39 | 359 | 1971 | 1364 | 1 | 39 | 751 | 725 | 26 |
| 1 | 40 | 502 | 502 | 502 | 1 | 40 | 359 | 1971 | 1364 | 1 | 40 | 751 | 725 | 26 |
| 1 | 41 | 502 | 502 | 502 | 1 | 41 | 359 | 1971 | 1364 | 1 | 41 | 751 | 725 | 26 |
| 1 | 42 | 502 | 502 | 502 | 1 | 42 | 359 | 1971 | 1364 | 1 | 42 | 751 | 725 | 26 |
| 1 | 43 | 502 | 502 | 502 | 1 | 43 | 359 | 1971 | 1364 | 1 | 43 | 751 | 725 | 26 |
| 1 | 44 | 502 | 502 | 502 | 1 | 44 | 359 | 1971 | 1364 | 1 | 44 | 751 | 725 | 26 |
| 1 | 45 | 502 | 502 | 502 | 1 | 45 | 359 | 1971 | 1364 | 1 | 45 | 751 | 725 | 26 |
| 1 | 46 | 502 | 502 | 502 | 1 | 46 | 359 | 1971 | 1364 | 1 | 46 | 751 | 725 | 26 |
| 1 | 47 | 502 | 502 | 502 | 1 | 47 | 359 | 1971 | 1364 | 1 | 47 | 751 | 725 | 26 |
| 1 | 48 | 502 | 502 | 502 | 1 | 48 | 359 | 1971 | 1364 | 1 | 48 | 751 | 725 | 26 |
| 1 | 49 | 502 | 502 | 502 | 1 | 49 | 359 | 1971 | 1364 | 1 | 49 | 751 | 725 | 26 |
| 1 | 50 | 502 | 502 | 502 | 1 | 50 | 359 | 1971 | 1364 | 1 | 50 | 751 | 725 | 26 |

10FIS VS 10FIC for (RUBPY)13.110000(N)16101.SHC

10FIS VS 10FIC for (RUBPY)13.110000(N)16101.SHC

| K | I | FO | FC | SIGF | K | I | FO | FC | SIGF | K | I | FO | FC | SIGF | K | I | FO | FC | SIGF |
|---|---|------|----|------|---|----|------|------|------|---|----|------|------|------|----|---|----|----|------|
| 0 | 0 | 425 | 15 | 2 | 2 | 10 | 1267 | 1250 | 39 | 4 | 19 | 598 | 566 | 20 | | | | | |
| 0 | 0 | 421 | 15 | 2 | 2 | 19 | 602 | 604 | 19 | 4 | 19 | 599 | 574 | 19 | | | | | |
| 0 | 0 | 541 | 20 | 2 | 2 | 18 | 250 | 194 | 14 | 4 | 17 | 592 | 419 | 17 | | | | | |
| 0 | 0 | 240 | 13 | 2 | 2 | 7 | 167 | 139 | 10 | 4 | 16 | 573 | 588 | 20 | | | | | |
| 0 | 0 | 147 | 12 | 2 | 2 | 6 | 1991 | 1955 | 60 | 4 | 14 | 580 | 607 | 24 | | | | | |
| 0 | 0 | 255 | 12 | 2 | 2 | 4 | 2633 | 2549 | 79 | 4 | 14 | 586 | 766 | 24 | | | | | |
| 0 | 0 | 230 | 12 | 2 | 2 | 4 | 1204 | 1164 | 37 | 4 | 13 | 586 | 587 | 20 | | | | | |
| 0 | 0 | 225 | 12 | 2 | 2 | 2 | 1595 | 1497 | 46 | 4 | 12 | 598 | 711 | 22 | | | | | |
| 0 | 0 | 100 | 9 | 2 | 2 | 2 | 1674 | 1704 | 51 | 4 | 11 | 593 | 182 | 11 | | | | | |
| 0 | 0 | 1026 | 32 | 2 | 2 | 1 | 565 | 553 | 18 | 4 | 10 | 593 | 914 | 28 | | | | | |
| 0 | 0 | 185 | 17 | 2 | 2 | 0 | 516 | 481 | 17 | 4 | 9 | 598 | 502 | 17 | | | | | |
| 0 | 0 | 89 | 17 | 2 | 2 | 1 | 758 | 807 | 23 | 4 | 8 | 598 | 983 | 31 | | | | | |
| 0 | 0 | 800 | 25 | 2 | 2 | 2 | 1188 | 1207 | 36 | 4 | 7 | 617 | 690 | 21 | | | | | |
| 0 | 0 | 368 | 13 | 2 | 2 | 3 | 1533 | 1485 | 46 | 4 | 6 | 573 | 846 | 25 | | | | | |
| 0 | 0 | 1166 | 34 | 2 | 2 | 4 | 724 | 726 | 23 | 4 | 5 | 533 | 345 | 13 | | | | | |
| 0 | 0 | 199 | 11 | 2 | 2 | 5 | 2952 | 2913 | 89 | 4 | 4 | 551 | 657 | 21 | | | | | |
| 0 | 0 | 303 | 13 | 2 | 2 | 6 | 1755 | 1751 | 53 | 4 | 4 | 511 | 742 | 25 | | | | | |
| 0 | 0 | 306 | 14 | 2 | 2 | 7 | 1201 | 1144 | 37 | 4 | 4 | 2075 | 211 | 63 | | | | | |
| 0 | 0 | 1222 | 37 | 2 | 2 | 8 | 1412 | 1416 | 43 | 4 | 4 | 372 | 342 | 14 | | | | | |
| 0 | 0 | 1293 | 39 | 2 | 2 | 9 | 676 | 633 | 22 | 4 | 4 | 101 | 68 | 6 | | | | | |
| 0 | 0 | 316 | 16 | 2 | 2 | 10 | 2057 | 2034 | 62 | 4 | 4 | 1252 | 1250 | 38 | | | | | |
| 0 | 0 | 865 | 57 | 2 | 2 | 11 | 484 | 503 | 17 | 4 | 4 | 840 | 892 | 26 | | | | | |
| 0 | 0 | 538 | 20 | 2 | 2 | 12 | 795 | 782 | 25 | 4 | 4 | 3 | 1328 | 1326 | 40 | | | | |
| 0 | 0 | 101 | 12 | 2 | 2 | 13 | 1292 | 1250 | 40 | 4 | 4 | 418 | 435 | 15 | | | | | |
| 0 | 0 | 538 | 20 | 2 | 2 | 14 | 440 | 413 | 17 | 4 | 4 | 672 | 676 | 21 | | | | | |
| 0 | 0 | 101 | 12 | 2 | 2 | 15 | 762 | 750 | 25 | 4 | 4 | 1349 | 1373 | 41 | | | | | |
| 0 | 0 | 128 | 14 | 2 | 2 | 16 | 333 | 289 | 17 | 4 | 4 | 398 | 387 | 15 | | | | | |
| 0 | 0 | 126 | 14 | 2 | 2 | 17 | 437 | 430 | 18 | 4 | 4 | 1046 | 1035 | 32 | | | | | |
| 0 | 0 | 179 | 15 | 2 | 2 | 18 | 684 | 660 | 23 | 4 | 4 | 602 | 600 | 20 | | | | | |
| 0 | 0 | 598 | 56 | 2 | 2 | 19 | 138 | 175 | 11 | 4 | 4 | 1761 | 1726 | 53 | | | | | |
| 0 | 0 | 527 | 22 | 2 | 2 | 20 | 356 | 349 | 19 | 4 | 4 | 799 | 793 | 25 | | | | | |
| 0 | 0 | 527 | 22 | 2 | 2 | 21 | 370 | 355 | 19 | 4 | 4 | 618 | 585 | 20 | | | | | |
| 0 | 0 | 527 | 22 | 2 | 2 | 22 | 892 | 858 | 29 | 4 | 4 | 410 | 398 | 17 | | | | | |
| 0 | 0 | 527 | 22 | 2 | 2 | 23 | 142 | 200 | 14 | 4 | 4 | 191 | 191 | 10 | | | | | |
| 0 | 0 | 330 | 18 | 2 | 2 | 24 | 223 | 198 | 13 | 4 | 4 | 568 | 599 | 27 | | | | | |
| 0 | 0 | 330 | 18 | 2 | 2 | 25 | 164 | 203 | 14 | 4 | 4 | 689 | 689 | 27 | | | | | |
| 0 | 0 | 577 | 22 | 2 | 2 | 26 | 647 | 671 | 24 | 4 | 4 | 743 | 689 | 27 | | | | | |
| 0 | 0 | 577 | 22 | 2 | 2 | 27 | 150 | 221 | 16 | 4 | 4 | 715 | 715 | 25 | | | | | |
| 0 | 0 | 338 | 18 | 2 | 2 | 28 | 331 | 322 | 18 | 4 | 4 | 633 | 635 | 22 | | | | | |
| 0 | 0 | 338 | 18 | 2 | 2 | 29 | 209 | 229 | 13 | 4 | 4 | 163 | 166 | 11 | | | | | |
| 0 | 0 | 321 | 17 | 2 | 2 | 29 | 169 | 169 | 14 | 4 | 4 | 401 | 401 | 19 | | | | | |
| 0 | 0 | 188 | 10 | 2 | 2 | 28 | 241 | 199 | 18 | 4 | 4 | 629 | 629 | 22 | | | | | |
| 0 | 0 | 188 | 10 | 2 | 2 | 28 | 273 | 267 | 16 | 4 | 4 | 249 | 249 | 14 | | | | | |
| 0 | 0 | 988 | 31 | 2 | 2 | 26 | 197 | 173 | 12 | 4 | 4 | 247 | 247 | 14 | | | | | |
| 0 | 0 | 988 | 31 | 2 | 2 | 25 | 363 | 341 | 21 | 4 | 4 | 422 | 422 | 24 | | | | | |
| 0 | 0 | 902 | 31 | 2 | 2 | 24 | 435 | 434 | 20 | 4 | 4 | 656 | 644 | 24 | | | | | |
| 0 | 0 | 902 | 31 | 2 | 2 | 24 | 435 | 434 | 20 | 4 | 4 | 656 | 644 | 24 | | | | | |
| 0 | 0 | 270 | 13 | 2 | 2 | 23 | 236 | 266 | 13 | 4 | 4 | 209 | 211 | 14 | | | | | |
| 0 | 0 | 542 | 20 | 2 | 2 | 21 | 531 | 562 | 20 | 4 | 4 | 268 | 268 | 15 | | | | | |
| 0 | 0 | 523 | 19 | 2 | 2 | 21 | 466 | 460 | 19 | 4 | 4 | 268 | 268 | 15 | | | | | |
| 0 | 0 | 523 | 19 | 2 | 2 | 20 | 309 | 318 | 15 | 4 | 4 | 171 | 171 | 12 | | | | | |
| 0 | 0 | 523 | 19 | 2 | 2 | 20 | 309 | 318 | 15 | 4 | 4 | 171 | 171 | 12 | | | | | |

10110 vs 10110 for (RUHPY)11010(CN16)CI.SMO

10110 vs 10110 for (RUHPY)11010(CN16)CI.SMO

| X | I | FO | FC | SIZE | K | I | FO | FC | SIZE | K | I | FO | FC | SIZE | K |
|---|----|-----|-----|------|----|----|-----|-----|------|---|-----|-----|----|------|----|
| 5 | 12 | 269 | 472 | 21 | 11 | -7 | 345 | 361 | 20 | 2 | -11 | 175 | 13 | 175 | 13 |
| 5 | 11 | 660 | 355 | 21 | 11 | -9 | 189 | 213 | 11 | 2 | -12 | 121 | 17 | 121 | 17 |
| 5 | 11 | 671 | 365 | 22 | 11 | -8 | 240 | 235 | 14 | 2 | -10 | 222 | 13 | 222 | 13 |
| 5 | 11 | 677 | 322 | 22 | 11 | -6 | 174 | 374 | 20 | 4 | -4 | 258 | 14 | 258 | 14 |
| 5 | 11 | 678 | 322 | 22 | 11 | -5 | 182 | 208 | 11 | 4 | -3 | 150 | 4 | 150 | 4 |
| 5 | 11 | 679 | 352 | 22 | 11 | -5 | 186 | 187 | 11 | 4 | -3 | 154 | 4 | 154 | 4 |
| 5 | 11 | 680 | 245 | 22 | 11 | -2 | 115 | 95 | 14 | 4 | -3 | 157 | 4 | 157 | 4 |
| 5 | 11 | 681 | 245 | 22 | 11 | -2 | 115 | 95 | 14 | 4 | -3 | 157 | 4 | 157 | 4 |
| 5 | 11 | 682 | 327 | 22 | 11 | -1 | 250 | 297 | 16 | 4 | -3 | 160 | 4 | 160 | 4 |
| 5 | 11 | 683 | 327 | 22 | 11 | -1 | 250 | 297 | 16 | 4 | -3 | 160 | 4 | 160 | 4 |
| 5 | 11 | 684 | 327 | 22 | 11 | -1 | 250 | 297 | 16 | 4 | -3 | 160 | 4 | 160 | 4 |
| 5 | 11 | 685 | 327 | 22 | 11 | -1 | 250 | 297 | 16 | 4 | -3 | 160 | 4 | 160 | 4 |
| 5 | 11 | 686 | 327 | 22 | 11 | -1 | 250 | 297 | 16 | 4 | -3 | 160 | 4 | 160 | 4 |
| 5 | 11 | 687 | 327 | 22 | 11 | -1 | 250 | 297 | 16 | 4 | -3 | 160 | 4 | 160 | 4 |
| 5 | 11 | 688 | 327 | 22 | 11 | -1 | 250 | 297 | 16 | 4 | -3 | 160 | 4 | 160 | 4 |
| 5 | 11 | 689 | 327 | 22 | 11 | -1 | 250 | 297 | 16 | 4 | -3 | 160 | 4 | 160 | 4 |
| 5 | 11 | 690 | 327 | 22 | 11 | -1 | 250 | 297 | 16 | 4 | -3 | 160 | 4 | 160 | 4 |
| 5 | 11 | 691 | 327 | 22 | 11 | -1 | 250 | 297 | 16 | 4 | -3 | 160 | 4 | 160 | 4 |
| 5 | 11 | 692 | 327 | 22 | 11 | -1 | 250 | 297 | 16 | 4 | -3 | 160 | 4 | 160 | 4 |
| 5 | 11 | 693 | 327 | 22 | 11 | -1 | 250 | 297 | 16 | 4 | -3 | 160 | 4 | 160 | 4 |
| 5 | 11 | 694 | 327 | 22 | 11 | -1 | 250 | 297 | 16 | 4 | -3 | 160 | 4 | 160 | 4 |
| 5 | 11 | 695 | 327 | 22 | 11 | -1 | 250 | 297 | 16 | 4 | -3 | 160 | 4 | 160 | 4 |
| 5 | 11 | 696 | 327 | 22 | 11 | -1 | 250 | 297 | 16 | 4 | -3 | 160 | 4 | 160 | 4 |
| 5 | 11 | 697 | 327 | 22 | 11 | -1 | 250 | 297 | 16 | 4 | -3 | 160 | 4 | 160 | 4 |
| 5 | 11 | 698 | 327 | 22 | 11 | -1 | 250 | 297 | 16 | 4 | -3 | 160 | 4 | 160 | 4 |
| 5 | 11 | 699 | 327 | 22 | 11 | -1 | 250 | 297 | 16 | 4 | -3 | 160 | 4 | 160 | 4 |
| 5 | 11 | 700 | 327 | 22 | 11 | -1 | 250 | 297 | 16 | 4 | -3 | 160 | 4 | 160 | 4 |
| 5 | 11 | 701 | 327 | 22 | 11 | -1 | 250 | 297 | 16 | 4 | -3 | 160 | 4 | 160 | 4 |
| 5 | 11 | 702 | 327 | 22 | 11 | -1 | 250 | 297 | 16 | 4 | -3 | 160 | 4 | 160 | 4 |
| 5 | 11 | 703 | 327 | 22 | 11 | -1 | 250 | 297 | 16 | 4 | -3 | 160 | 4 | 160 | 4 |
| 5 | 11 | 704 | 327 | 22 | 11 | -1 | 250 | 297 | 16 | 4 | -3 | 160 | 4 | 160 | 4 |
| 5 | 11 | 705 | 327 | 22 | 11 | -1 | 250 | 297 | 16 | 4 | -3 | 160 | 4 | 160 | 4 |
| 5 | 11 | 706 | 327 | 22 | 11 | -1 | 250 | 297 | 16 | 4 | -3 | 160 | 4 | 160 | 4 |
| 5 | 11 | 707 | 327 | 22 | 11 | -1 | 250 | 297 | 16 | 4 | -3 | 160 | 4 | 160 | 4 |
| 5 | 11 | 708 | 327 | 22 | 11 | -1 | 250 | 297 | 16 | 4 | -3 | 160 | 4 | 160 | 4 |
| 5 | 11 | 709 | 327 | 22 | 11 | -1 | 250 | 297 | 16 | 4 | -3 | 160 | 4 | 160 | 4 |
| 5 | 11 | 710 | 327 | 22 | 11 | -1 | 250 | 297 | 16 | 4 | -3 | 160 | 4 | 160 | 4 |
| 5 | 11 | 711 | 327 | 22 | 11 | -1 | 250 | 297 | 16 | 4 | -3 | 160 | 4 | 160 | 4 |
| 5 | 11 | 712 | 327 | 22 | 11 | -1 | 250 | 297 | 16 | 4 | -3 | 160 | 4 | 160 | 4 |
| 5 | 11 | 713 | 327 | 22 | 11 | -1 | 250 | 297 | 16 | 4 | -3 | 160 | 4 | 160 | 4 |
| 5 | 11 | 714 | 327 | 22 | 11 | -1 | 250 | 297 | 16 | 4 | -3 | 160 | 4 | 160 | 4 |
| 5 | 11 | 715 | 327 | 22 | 11 | -1 | 250 | 297 | 16 | 4 | -3 | 160 | 4 | 160 | 4 |
| 5 | 11 | 716 | 327 | 22 | 11 | -1 | 250 | 297 | 16 | 4 | -3 | 160 | 4 | 160 | 4 |
| 5 | 11 | 717 | 327 | 22 | 11 | -1 | 250 | 297 | 16 | 4 | -3 | 160 | 4 | 160 | 4 |
| 5 | 11 | 718 | 327 | 22 | 11 | -1 | 250 | 297 | 16 | 4 | -3 | 160 | 4 | 160 | 4 |
| 5 | 11 | 719 | 327 | 22 | 11 | -1 | 250 | 297 | 16 | 4 | -3 | 160 | 4 | 160 | 4 |
| 5 | 11 | 720 | 327 | 22 | 11 | -1 | 250 | 297 | 16 | 4 | -3 | 160 | 4 | 160 | 4 |

| K | I | FO | FC | SIGF | K | I | FO | FC | SIGF | K | I | FO | FC | SIGF | K | I | FO | FC | SIGF |
|---|---|-----|-----|------|---|----|-----|-----|------|----|----|-----|-----|------|---|----|-----|------|------|
| 1 | 1 | 490 | 493 | 20 | 9 | 4 | 172 | 180 | 11 | 13 | -6 | 138 | 127 | 15 | 0 | 8 | 83 | 814 | 26 |
| 1 | 1 | 511 | 502 | 20 | 9 | 3 | 540 | 551 | 21 | 13 | -5 | 321 | 341 | 17 | 0 | 10 | 166 | 1633 | 51 |
| 1 | 1 | 117 | 192 | 19 | 9 | 3 | 369 | 352 | 20 | 13 | -4 | 272 | 292 | 15 | 0 | 11 | 202 | 152 | 12 |
| 1 | 1 | 422 | 391 | 19 | 9 | 5 | 438 | 455 | 19 | 13 | -3 | 354 | 330 | 20 | 0 | 12 | 495 | 265 | 14 |
| 1 | 1 | 215 | 631 | 22 | 9 | 7 | 249 | 252 | 14 | 13 | -1 | 294 | 526 | 21 | 0 | 14 | 807 | 501 | 20 |
| 1 | 1 | 622 | 622 | 19 | 9 | 8 | 266 | 217 | 14 | 13 | 0 | 297 | 181 | 12 | 0 | 15 | 194 | 181 | 12 |
| 1 | 1 | 702 | 622 | 19 | 9 | 8 | 355 | 272 | 14 | 13 | 0 | 313 | 168 | 11 | 0 | 16 | 177 | 177 | 11 |
| 1 | 1 | 99 | 747 | 22 | 9 | 10 | 355 | 265 | 19 | 13 | 0 | 313 | 520 | 22 | 0 | 18 | 552 | 520 | 22 |
| 1 | 1 | 505 | 747 | 22 | 9 | 10 | 261 | 252 | 16 | 13 | 0 | 313 | 91 | 19 | 0 | 19 | 91 | 91 | 19 |
| 1 | 1 | 584 | 542 | 20 | 9 | 11 | 326 | 335 | 16 | 13 | 0 | 313 | 305 | 19 | 0 | 20 | 305 | 305 | 19 |
| 1 | 1 | 333 | 644 | 22 | 9 | 14 | 343 | 315 | 16 | 13 | -2 | 299 | 175 | 12 | 0 | 21 | 175 | 175 | 12 |
| 1 | 1 | 373 | 644 | 22 | 9 | 14 | 245 | 243 | 14 | 13 | -2 | 299 | 221 | 12 | 0 | 22 | 221 | 221 | 12 |
| 1 | 1 | 302 | 644 | 22 | 9 | 14 | 446 | 440 | 21 | 13 | -7 | 299 | 171 | 11 | 0 | 23 | 171 | 171 | 11 |
| 1 | 1 | 668 | 300 | 19 | 9 | 15 | 446 | 265 | 15 | 13 | -2 | 299 | 355 | 19 | 0 | 24 | 355 | 355 | 19 |
| 1 | 1 | 668 | 300 | 19 | 9 | 15 | 299 | 265 | 15 | 13 | -2 | 299 | 173 | 11 | 0 | 25 | 173 | 173 | 11 |
| 1 | 1 | 239 | 850 | 19 | 9 | 15 | 406 | 495 | 21 | 13 | -2 | 299 | 255 | 14 | 0 | 26 | 255 | 255 | 14 |
| 1 | 1 | 239 | 850 | 19 | 9 | 15 | 274 | 196 | 12 | 13 | -1 | 302 | 225 | 14 | 0 | 27 | 225 | 225 | 14 |
| 1 | 1 | 239 | 850 | 19 | 9 | 15 | 399 | 437 | 21 | 13 | -1 | 302 | 435 | 18 | 0 | 28 | 435 | 435 | 18 |
| 1 | 1 | 239 | 850 | 19 | 9 | 15 | 153 | 145 | 13 | 13 | -1 | 311 | 224 | 12 | 0 | 29 | 224 | 224 | 12 |
| 1 | 1 | 239 | 850 | 19 | 9 | 15 | 180 | 192 | 11 | 13 | -2 | 311 | 566 | 20 | 0 | 30 | 566 | 566 | 20 |
| 1 | 1 | 239 | 850 | 19 | 9 | 15 | 468 | 475 | 19 | 13 | -9 | 299 | 245 | 13 | 0 | 31 | 245 | 245 | 13 |
| 1 | 1 | 239 | 850 | 19 | 9 | 15 | 408 | 398 | 20 | 13 | -6 | 298 | 288 | 17 | 0 | 32 | 288 | 288 | 17 |
| 1 | 1 | 239 | 850 | 19 | 9 | 15 | 139 | 125 | 13 | 13 | -7 | 298 | 439 | 18 | 0 | 33 | 439 | 439 | 18 |
| 1 | 1 | 239 | 850 | 19 | 9 | 15 | 532 | 534 | 20 | 13 | -7 | 298 | 218 | 13 | 0 | 34 | 218 | 218 | 13 |
| 1 | 1 | 239 | 850 | 19 | 9 | 15 | 507 | 502 | 20 | 13 | -5 | 298 | 189 | 10 | 0 | 35 | 189 | 189 | 10 |
| 1 | 1 | 239 | 850 | 19 | 9 | 15 | 230 | 229 | 13 | 13 | -2 | 298 | 687 | 23 | 0 | 36 | 687 | 687 | 23 |
| 1 | 1 | 239 | 850 | 19 | 9 | 15 | 580 | 565 | 22 | 13 | -5 | 298 | 521 | 19 | 0 | 37 | 521 | 521 | 19 |
| 1 | 1 | 239 | 850 | 19 | 9 | 15 | 260 | 270 | 15 | 13 | -1 | 298 | 248 | 14 | 0 | 38 | 248 | 248 | 14 |
| 1 | 1 | 239 | 850 | 19 | 9 | 15 | 657 | 632 | 23 | 13 | -1 | 298 | 430 | 17 | 0 | 39 | 430 | 430 | 17 |
| 1 | 1 | 239 | 850 | 19 | 9 | 15 | 210 | 177 | 12 | 13 | 0 | 297 | 227 | 17 | 0 | 40 | 227 | 227 | 17 |
| 1 | 1 | 239 | 850 | 19 | 9 | 15 | 364 | 377 | 20 | 13 | 0 | 297 | 304 | 17 | 0 | 41 | 304 | 304 | 17 |
| 1 | 1 | 239 | 850 | 19 | 9 | 15 | 446 | 488 | 20 | 13 | 0 | 297 | 227 | 17 | 0 | 42 | 227 | 227 | 17 |
| 1 | 1 | 239 | 850 | 19 | 9 | 15 | 117 | 189 | 11 | 13 | 0 | 297 | 520 | 23 | 0 | 43 | 520 | 520 | 23 |
| 1 | 1 | 239 | 850 | 19 | 9 | 15 | 146 | 151 | 12 | 13 | 0 | 297 | 500 | 19 | 0 | 44 | 500 | 500 | 19 |
| 1 | 1 | 239 | 850 | 19 | 9 | 15 | 193 | 194 | 12 | 13 | 0 | 297 | 316 | 15 | 0 | 45 | 316 | 316 | 15 |
| 1 | 1 | 239 | 850 | 19 | 9 | 15 | 193 | 320 | 16 | 13 | 0 | 297 | 72 | 12 | 0 | 46 | 72 | 72 | 12 |
| 1 | 1 | 239 | 850 | 19 | 9 | 15 | 224 | 253 | 13 | 13 | 0 | 297 | 638 | 22 | 0 | 47 | 638 | 638 | 22 |
| 1 | 1 | 239 | 850 | 19 | 9 | 15 | 193 | 198 | 12 | 13 | 0 | 297 | 524 | 20 | 0 | 48 | 524 | 524 | 20 |
| 1 | 1 | 239 | 850 | 19 | 9 | 15 | 295 | 311 | 13 | 13 | 0 | 297 | 182 | 11 | 0 | 49 | 182 | 182 | 11 |
| 1 | 1 | 239 | 850 | 19 | 9 | 15 | 451 | 451 | 22 | 13 | 0 | 297 | 692 | 28 | 0 | 50 | 692 | 692 | 28 |
| 1 | 1 | 239 | 850 | 19 | 9 | 15 | 451 | 174 | 14 | 13 | 0 | 297 | 198 | 12 | 0 | 51 | 198 | 198 | 12 |
| 1 | 1 | 239 | 850 | 19 | 9 | 15 | 271 | 257 | 14 | 13 | 0 | 297 | 322 | 16 | 0 | 52 | 322 | 322 | 16 |
| 1 | 1 | 239 | 850 | 19 | 9 | 15 | 264 | 264 | 15 | 13 | 0 | 297 | 347 | 21 | 0 | 53 | 347 | 347 | 21 |
| 1 | 1 | 239 | 850 | 19 | 9 | 15 | 274 | 264 | 15 | 13 | 0 | 297 | 373 | 27 | 0 | 54 | 373 | 373 | 27 |

