

CHANGING THE OIEXP TABLE
MANUAL TRANSLATION MODIFICATION PROCEDURE
NO. 2/2B ELECTRONIC SWITCHING SYSTEM

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 1. GENERAL		
1.01 This section provides procedures to add information to the office index to NXX conversion table (OIEXP) or to change existing OIEXP table information in a No. 2B Electronic Switching System (ESS). The procedures in this section apply only to those No. 2B ESS offices equipped with the 2BE3 generic program.		
1.02 Whenever this section is reissued, the reason for reissue will be listed in this paragraph.		1.07 The ability to add and subtract in octal and binary is essential in performing the procedures in this section. The addresses and data read

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from the program store in response to a TTY input message are in octal. All address calculation and indexing is done by octal addition and subtraction. Refer to Section 232-127-101, Manual Translation Modification Procedure—General Description for methods of addition and subtraction in octal, binary-to-octal conversions, and tables for decimal-to-octal conversion. Forms necessary to make changes in program store are found in Section 232-127-101.

GENERAL DESCRIPTION OF PROCEDURE

A. Procedures Required

1.08 Adding data to or changing existing data in an OIEXP table consist of completing the appropriate TG-2H forms and inputting the data from these forms into program store translations. Section 232-090-022 contains procedures for making changes in program store for No. 2B ESS. Section 232-327-303 contains procedures for transferring changes recorded on translator change forms to the change in program store (CHIPS) message guide for No. 2B ESS.

B. Translator Tables Involved

1.09 The only translator involved in this procedure is the OIEXP table. The translators with associated data, such as the directory number table (NOCD), the number group table, the hundreds group table, and hundreds group table expansions are not changeable by manual translation modification methods. However, these translators do contain data that is recent changeable.

1.10 The OIEXP table occupies a dedicated area of program store consisting of 192 words which are divided into 64 three-word entries. This table is used to supply the three binary coded decimal (BCD) digits (D1 through D3) that form the office code (NXX), thousands digit (D4), and the numbering plan area (NPA) corresponding to the office index (OI) for each possible packed telephone number in the office. It is used to determine the NPA, NXX, and D4 for billing purposes, to determine the normalized office code (NOC), and the OI for service order input (by searching the table for a match on D1 through D4), to provide special route indices so that different intercept treatments may be given to different NXX-thousands groups/NPAs serviced by the same office, and to unpack a telephone number for call processing.

1.11 The OI found in the OIEXP table is a unique ODA generated index. It is a function of the

office code (NXX) and thousands digit (D4). The OI is a six-bit quantity which ranges from 0 through 63, allowing for 64 thousands groups in the office (combined real and billing only). This may be any combination of three office codes (NXXs) with all thousands groups assigned (30,000 lines), to 64 office codes with only one thousands group assigned but not used to the full extent. Each NXX has a unique NOC and each NXX plus thousands digit (D4) has a unique OI. Up to ten OIs may be associated with each NOC, if all thousands groups exist for that NXX.

1.12 In the 2BE3 generic, the NOC is a six-bit quantity and ranges from 0 through 63. A NOC is an arbitrary function of an office code. It is not necessary to have a 1-to-1 mapping between an OI and NOC, and not possible if any NXX has more than 1000 digits. The ODA can form its own mapping. This means two or more office codes can map to the same NOC if they have unique D4s. Due to the present numbering plan (almost every office has a D4=9), this may not be possible. It is recommended to have each NXX map to a unique NOC except when the NXX is used for test purposes. This type of mapping allows the same NOC to be used as the post-cutover NOC as well as the test NOC. The distinction is made at the 3-digit translation level by using the test bit in the code point translator. The NOC used during precutover can continue to be used as a post-cutover NOC.

2. METHOD

COMPLETE APPROPRIATE FORMS

2.01 The TG-2H ESS 2522 form is used to add information contained in the OIEXP table. With the implementation of the Remote Switching System (RSS), individual No. 2B ESS offices may be required to service a higher number of office codes than available with earlier generics. This is due to the fact that each RSS may have its own office code. This form replaces the ESS 2303-6 form with 2BE3 and later generic programs.

2.02 This form is normally completed by the Network Administrator, but in the event of a manual translation modification, forms are completed by the craftsperson performing the change. Reproducible copies and detailed instructions for completing ESS forms are contained in the TG-2H. Normally only data in columns 20 through 40 will be provided. Upon completion of the manual translation

modification procedure, copies of this form should be sent to the Network Administrator so that ODA records may be updated.

the following procedure and the OIEXP form (Fig. 1). A reproducible copy of this form is provided in Fig. 2.

2.03 Before any manual change is performed, the TTY input messages should be formed using

STEP	PROCEDURE
1	Obtain a copy of the OIEXP form. Refer to the ESS 2522 form to obtain a vacant NOC. Enter in item 1.
2	If this is to be a test NOC, the "T" bit in the associated code point translator must be set via the A RC:DIG input message. The ESS 2300 form must also be updated to show that this NXX (NOC) is a test code. If this is not a test NOC continue with Step 3.
3	Convert the previously selected NOC to octal (refer to Table A) and enter in item 2.
4	Convert item 2 to binary and enter in bits 5 through 0 of item 3.
5	If this is to be a billing only NOC, enter 1 in bit 6 of item 3.
6	Obtain the address of the selected OI from Table B and enter under ADDRESS in item 4. (NOC=0 must use OI=0.)
7	Convert item 3 to octal and enter on NEW CONTENTS line in item 4.
8	Enter the thousands digit to be associated with the selected NOC in item 5.
9	Convert item 5 to the equivalent octal code and enter in item 6. Refer to Table C.
10	Enter the NXX code to be associated with this NOC in item 7.
11	Use Table C to convert item 7 to equivalent octal code and enter this value in item 8.
12	Enter the selected OI in item 9.
13	Use Table C to convert item 9 to equivalent octal code and enter this in item 10.
14	Convert item 6 to binary and enter in bits 3 through 0 of item 11.
15	Convert item 8 to binary and enter in bits 15 through 4 of item 11.
16	Convert item 10 to binary and enter in bits 21 through 16 of item 11.
17	Add 1 to the octal address listed in item 4 and enter the results under address in item 12.
18	Convert item 11 to octal and enter under NEW CONTENTS in item 12.
19	Enter the NPA code to be assigned to the NOC in item 13.

STEP	PROCEDURE
20	Use Table C to convert item 13 to equivalent octal code and enter this value in item 14.
21	Convert item 14 to binary and enter in item 17 bits 11 through 0.
22	Enter the route index to be used for intercept treatment in item 15.
23	Convert item 15 to octal and enter in item 16.
24	Convert item 16 to binary and enter in item 17 bits 20 through 12.
25	Add octal 2 to the octal address listed in item 4 and enter the results under ADDRESS in item 18.
26	Convert item 17 to octal and enter in item 18 under NEW CONTENTS.
27	Enter all zeros in items 4, 12, and 18 under OLD CONTENTS.
28	Perform changes in program store by following the procedures outlined in Section 232-327-303.

TABLE A

DECIMAL NOC CONVERSION TO OCTAL

NOC = OCTAL	NOC = OCTAL
0 = 0	32 = 40
1 = 1	33 = 41
2 = 2	34 = 42
3 = 3	35 = 43
4 = 4	36 = 44
5 = 5	37 = 45
6 = 6	38 = 46
7 = 7	39 = 47
8 = 10	40 = 50
9 = 11	41 = 51
10 = 12	42 = 52
11 = 13	43 = 53
12 = 14	44 = 54
13 = 15	45 = 55
14 = 16	46 = 56
15 = 17	47 = 57
16 = 20	48 = 60
17 = 21	49 = 61
18 = 22	50 = 62
19 = 23	51 = 63
20 = 24	52 = 64
21 = 25	53 = 65
22 = 26	54 = 66
23 = 27	55 = 67
24 = 30	56 = 70
25 = 31	57 = 71
26 = 32	58 = 72
27 = 33	59 = 73
28 = 34	60 = 74
29 = 35	61 = 75
30 = 36	62 = 76
31 = 37	63 = 77

TABLE B
OFFICE INDEX ADDRESSES

OI* = OCTAL ADDRESS	OI* = OCTAL ADDRESS	OI* = OCTAL ADDRESS
00 = 1250621	22 = 1250723	44 = 1251026
01 = 1250624	23 = 1250726	45 = 1251031
02 = 1250627	24 = 1250731	46 = 1251034
03 = 1250632	25 = 1250734	47 = 1251037
04 = 1250635	26 = 1250737	48 = 1251042
05 = 1250640	27 = 1250742	49 = 1251045
06 = 1250643	28 = 1250745	50 = 1251050
07 = 1250646	29 = 1250750	51 = 1251053
08 = 1250651	30 = 1250753	52 = 1251056
09 = 1250654	31 = 1250756	53 = 1251061
10 = 1250657	32 = 1250761	54 = 1251064
11 = 1250662	33 = 1250764	55 = 1251067
12 = 1250665	34 = 1250767	56 = 1251072
13 = 1250670	35 = 1250772	57 = 1251075
14 = 1250673	36 = 1250775	58 = 1251100
15 = 1250676	37 = 1251000	59 = 1251113
16 = 1250701	38 = 1251003	60 = 1251116
17 = 1250704	39 = 1251006	61 = 1251121
18 = 1250707	40 = 1251012	62 = 1251124
19 = 1250712	41 = 1251015	63 = 1251127
20 = 1250715	42 = 1251020	
21 = 1250720	43 = 1251023	

* — OI is a decimal number.

TABLE C

BCD TO OCTAL CONVERSIONS

| BCD TO OCTAL |
|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 00 = 12 | 45 = 105 | 224 = 1044 | 269 = 1151 | 314 = 1424 | 359 = 1531 | 404 = 2244 |
| 01 = 01 | 46 = 106 | 225 = 1045 | 270 = 1172 | 315 = 1425 | 360 = 1552 | 405 = 2245 |
| 02 = 02 | 47 = 107 | 226 = 1046 | 271 = 1161 | 316 = 1426 | 361 = 1541 | 406 = 2246 |
| 03 = 03 | 48 = 110 | 227 = 1047 | 272 = 1162 | 317 = 1427 | 362 = 1542 | 407 = 2247 |
| 04 = 04 | 49 = 111 | 228 = 1050 | 273 = 1163 | 318 = 1430 | 363 = 1543 | 408 = 2250 |
| 05 = 05 | 50 = 132 | 229 = 1051 | 274 = 1164 | 319 = 1431 | 364 = 1544 | 409 = 2251 |
| 06 = 06 | 51 = 121 | 230 = 1072 | 275 = 1165 | 320 = 1452 | 365 = 1545 | 410 = 2032 |
| 07 = 07 | 52 = 122 | 231 = 1061 | 276 = 1166 | 321 = 1441 | 366 = 1546 | 411 = 2021 |
| 08 = 10 | 53 = 123 | 232 = 1062 | 277 = 1167 | 322 = 1442 | 367 = 1547 | 412 = 2022 |
| 09 = 11 | 54 = 124 | 233 = 1063 | 278 = 1170 | 323 = 1443 | 368 = 1550 | 413 = 2023 |
| 10 = 32 | 55 = 125 | 234 = 1064 | 279 = 1171 | 324 = 1444 | 369 = 1551 | 414 = 2024 |
| 11 = 21 | 56 = 126 | 235 = 1065 | 280 = 1212 | 325 = 1445 | 370 = 1572 | 415 = 2025 |
| 12 = 22 | 57 = 127 | 236 = 1066 | 281 = 1201 | 326 = 1446 | 371 = 1561 | 416 = 2026 |
| 13 = 23 | 58 = 130 | 237 = 1067 | 282 = 1202 | 327 = 1447 | 372 = 1562 | 417 = 2027 |
| 14 = 24 | 59 = 131 | 238 = 1070 | 283 = 1203 | 328 = 1450 | 373 = 1563 | 418 = 2030 |
| 15 = 25 | 60 = 152 | 239 = 1071 | 284 = 1204 | 329 = 1451 | 374 = 1564 | 419 = 2031 |
| 16 = 26 | 61 = 141 | 240 = 1112 | 285 = 1205 | 330 = 1472 | 375 = 1565 | 420 = 2052 |
| 17 = 27 | 62 = 142 | 241 = 1101 | 286 = 1206 | 331 = 1461 | 376 = 1566 | 421 = 2041 |
| 18 = 30 | 63 = 143 | 242 = 1102 | 287 = 1207 | 332 = 1462 | 377 = 1567 | 422 = 2042 |
| 19 = 31 | 64 = 144 | 243 = 1103 | 288 = 1210 | 333 = 1463 | 378 = 1570 | 423 = 2043 |
| 20 = 52 | | 244 = 1104 | 289 = 1211 | 334 = 1464 | 379 = 1571 | 424 = 2044 |
| 21 = 41 | 200 = 1252 | 245 = 1105 | 290 = 1232 | 335 = 1465 | 380 = 1612 | 425 = 2045 |
| 22 = 42 | 201 = 1241 | 246 = 1106 | 291 = 1221 | 336 = 1466 | 381 = 1601 | 426 = 2046 |
| 23 = 43 | 202 = 1242 | 247 = 1107 | 292 = 1222 | 337 = 1467 | 382 = 1602 | 427 = 2047 |
| 24 = 44 | 203 = 1243 | 248 = 1110 | 293 = 1223 | 338 = 1470 | 383 = 1603 | 428 = 2050 |
| 25 = 45 | 204 = 1244 | 249 = 1111 | 294 = 1224 | 339 = 1471 | 384 = 1604 | 429 = 2051 |
| 26 = 46 | 205 = 1245 | 250 = 1132 | 295 = 1225 | 340 = 1512 | 385 = 1605 | 430 = 2072 |
| 27 = 47 | 206 = 1246 | 251 = 1121 | 296 = 1226 | 341 = 1501 | 386 = 1606 | 431 = 2061 |
| 28 = 50 | 207 = 1247 | 252 = 1122 | 297 = 1227 | 342 = 1502 | 387 = 1607 | 432 = 2062 |
| 29 = 51 | 208 = 1250 | 253 = 1123 | 298 = 1230 | 343 = 1503 | 388 = 1610 | 433 = 2063 |
| 30 = 72 | 209 = 1251 | 254 = 1124 | 299 = 1231 | 344 = 1504 | 389 = 1611 | 434 = 2064 |
| 31 = 61 | 210 = 1032 | 255 = 1125 | 300 = 1652 | 345 = 1505 | 390 = 1632 | 435 = 2065 |
| 32 = 62 | 211 = 1021 | 256 = 1126 | 301 = 1641 | 346 = 1506 | 391 = 1621 | 436 = 2066 |
| 33 = 63 | 212 = 1022 | 257 = 1127 | 302 = 1642 | 347 = 1507 | 392 = 1622 | 437 = 2067 |
| 34 = 64 | 213 = 1023 | 258 = 1130 | 303 = 1643 | 348 = 1510 | 393 = 1623 | 438 = 2070 |
| 35 = 65 | 214 = 1024 | 259 = 1131 | 304 = 1644 | 349 = 1511 | 394 = 1624 | 439 = 2071 |
| 36 = 66 | 215 = 1025 | 260 = 1152 | 305 = 1645 | 350 = 1532 | 395 = 1625 | 440 = 2112 |
| 37 = 67 | 216 = 1026 | 261 = 1141 | 306 = 1646 | 351 = 1521 | 396 = 1626 | 441 = 2101 |
| 38 = 70 | 217 = 1027 | 262 = 1142 | 307 = 1647 | 352 = 1522 | 397 = 1627 | 442 = 2102 |
| 39 = 71 | 218 = 1030 | 263 = 1143 | 308 = 1650 | 353 = 1523 | 398 = 1630 | 443 = 2103 |
| 40 = 112 | 219 = 1031 | 264 = 1144 | 309 = 1651 | 354 = 1524 | 399 = 1631 | 444 = 2104 |
| 41 = 101 | 220 = 1052 | 265 = 1145 | 310 = 1432 | 355 = 1525 | 400 = 2252 | 445 = 2105 |
| 42 = 102 | 221 = 1041 | 266 = 1146 | 311 = 1421 | 356 = 1526 | 401 = 2241 | 446 = 2106 |
| 43 = 103 | 222 = 1042 | 267 = 1147 | 312 = 1422 | 357 = 1527 | 402 = 2242 | 447 = 2107 |
| 44 = 104 | 223 = 1043 | 268 = 1150 | 313 = 1423 | 358 = 1530 | 403 = 2243 | 448 = 2110 |

TABLE C (Contd)

BCD TO OCTAL CONVERSIONS

| BCD TO OCTAL |
|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 449 = 2111 | 494 = 2224 | 539 = 2471 | 584 = 2604 | 629 = 3051 | 675 = 3165 | 720 = 3452 |
| 450 = 2132 | 495 = 2225 | 540 = 2512 | 585 = 2605 | 630 = 3072 | 676 = 3166 | 721 = 3441 |
| 451 = 2121 | 496 = 2226 | 541 = 2501 | 586 = 2606 | 631 = 3061 | 677 = 3167 | 722 = 3442 |
| 452 = 2122 | 497 = 2227 | 542 = 2502 | 587 = 2607 | 632 = 3062 | 678 = 3170 | 723 = 3443 |
| 453 = 2123 | 498 = 2230 | 543 = 2503 | 588 = 2610 | 633 = 3063 | 679 = 3171 | 724 = 3444 |
| 454 = 2124 | 499 = 2231 | 544 = 2504 | 589 = 2611 | 634 = 3064 | 680 = 3212 | 725 = 3445 |
| 455 = 2125 | 500 = 2652 | 545 = 2505 | 590 = 2632 | 635 = 3065 | 681 = 3201 | 726 = 3446 |
| 456 = 2126 | 501 = 2641 | 546 = 2506 | 591 = 2621 | 636 = 3066 | 682 = 3202 | 727 = 3447 |
| 457 = 2127 | 502 = 2642 | 547 = 2507 | 592 = 2622 | 637 = 3067 | 683 = 3203 | 728 = 3450 |
| 458 = 2130 | 503 = 2643 | 548 = 2510 | 593 = 2623 | 638 = 3070 | 684 = 3204 | 729 = 3451 |
| 459 = 2131 | 504 = 2644 | 549 = 2511 | 594 = 2624 | 639 = 3071 | 685 = 3205 | 730 = 3472 |
| 460 = 2152 | 505 = 2645 | 550 = 2532 | 595 = 2625 | 640 = 3112 | 686 = 3206 | 731 = 3461 |
| 461 = 2141 | 506 = 2646 | 551 = 2521 | 596 = 2626 | 641 = 3101 | 687 = 3207 | 732 = 3462 |
| 462 = 2142 | 507 = 2647 | 552 = 2522 | 597 = 2627 | 642 = 3102 | 688 = 3210 | 733 = 3463 |
| 463 = 2143 | 508 = 2650 | 553 = 2523 | 598 = 2630 | 643 = 3103 | 689 = 3211 | 734 = 3464 |
| 464 = 2144 | 509 = 2651 | 554 = 2524 | 599 = 2631 | 644 = 3104 | 690 = 3232 | 735 = 3465 |
| 465 = 2145 | 510 = 2432 | 555 = 2525 | 600 = 3252 | 645 = 3105 | 691 = 3221 | 736 = 3466 |
| 466 = 2146 | 511 = 2421 | 556 = 2526 | 601 = 3241 | 646 = 3106 | 692 = 3222 | 737 = 3467 |
| 467 = 2147 | 512 = 2422 | 557 = 2527 | 602 = 3242 | 647 = 3107 | 693 = 3223 | 738 = 3470 |
| 468 = 2150 | 513 = 2423 | 558 = 2530 | 603 = 3243 | 648 = 3110 | 694 = 3224 | 739 = 3471 |
| 469 = 2151 | 514 = 2424 | 559 = 2531 | 604 = 3244 | 649 = 3111 | 695 = 3225 | 740 = 3512 |
| 470 = 2172 | 515 = 2425 | 560 = 2552 | 605 = 3245 | 650 = 3132 | 696 = 3226 | 741 = 3501 |
| 471 = 2161 | 516 = 2426 | 561 = 2541 | 606 = 3246 | 651 = 3121 | 697 = 3227 | 742 = 3502 |
| 472 = 2162 | 517 = 2427 | 562 = 2542 | 607 = 3247 | 652 = 3122 | 698 = 3230 | 743 = 3503 |
| 473 = 2163 | 518 = 2430 | 563 = 2543 | 608 = 3250 | 653 = 3123 | 699 = 3231 | 744 = 3504 |
| 474 = 2164 | 519 = 2431 | 564 = 2544 | 609 = 3251 | 654 = 3124 | 700 = 3652 | 745 = 3505 |
| 475 = 2165 | 520 = 2452 | 565 = 2545 | 610 = 3032 | 655 = 3125 | 701 = 3641 | 746 = 3506 |
| 476 = 2166 | 521 = 2441 | 566 = 2546 | 611 = 3021 | 656 = 3126 | 702 = 3642 | 747 = 3507 |
| 477 = 2167 | 522 = 2442 | 567 = 2547 | 612 = 3022 | 657 = 3127 | 703 = 3643 | 748 = 3510 |
| 478 = 2170 | 523 = 2443 | 568 = 2550 | 613 = 3023 | 658 = 3130 | 704 = 3644 | 749 = 3511 |
| 479 = 2171 | 524 = 2444 | 569 = 2551 | 614 = 3024 | 659 = 3131 | 705 = 3645 | 750 = 3532 |
| 480 = 2212 | 525 = 2445 | 570 = 2572 | 615 = 3025 | 660 = 3152 | 706 = 3646 | 751 = 3521 |
| 481 = 2201 | 526 = 2446 | 571 = 2561 | 616 = 3026 | 661 = 3141 | 707 = 3647 | 752 = 3522 |
| 482 = 2202 | 527 = 2447 | 572 = 2562 | 617 = 3027 | 662 = 3142 | 708 = 3650 | 753 = 3523 |
| 483 = 2203 | 528 = 2450 | 573 = 2563 | 618 = 3030 | 663 = 3143 | 709 = 3651 | 754 = 3524 |
| 484 = 2204 | 529 = 2451 | 574 = 2564 | 619 = 3031 | 664 = 3144 | 710 = 3432 | 755 = 3525 |
| 485 = 2205 | 530 = 2472 | 575 = 2565 | 620 = 3052 | 665 = 3145 | 711 = 3421 | 756 = 3526 |
| 486 = 2206 | 531 = 2461 | 576 = 2566 | 621 = 3041 | 666 = 3146 | 712 = 3422 | 757 = 3527 |
| 487 = 2207 | 532 = 2462 | 577 = 2567 | 622 = 3042 | 667 = 3147 | 713 = 3423 | 758 = 3530 |
| 488 = 2210 | 533 = 2463 | 578 = 2570 | 623 = 3043 | 668 = 3150 | 714 = 3424 | 759 = 3531 |
| 489 = 2211 | 534 = 2464 | 579 = 2571 | 624 = 3044 | 669 = 3151 | 715 = 3425 | 760 = 3552 |
| 490 = 2232 | 535 = 2465 | 580 = 2612 | 625 = 3045 | 670 = 3172 | 716 = 3426 | 761 = 3541 |
| 491 = 2221 | 536 = 2466 | 581 = 2601 | 626 = 3046 | 671 = 3161 | 717 = 3427 | 762 = 3542 |
| 492 = 2222 | 537 = 2467 | 582 = 2602 | 627 = 3047 | 672 = 3162 | 718 = 3430 | 763 = 3543 |
| 493 = 2223 | 538 = 2470 | 583 = 2603 | 628 = 3050 | 673 = 3163 | 719 = 3431 | 764 = 3544 |

TABLE C (Contd)

BCD TO OCTAL CONVERSIONS

| BCD TO OCTAL |
|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 765 = 3545 | 799 = 3631 | 833 = 4063 | 867 = 4147 | 901 = 4641 | 934 = 4464 | 967 = 4547 |
| 766 = 3546 | 800 = 4252 | 834 = 4064 | 868 = 4150 | 902 = 4642 | 935 = 4465 | 968 = 4550 |
| 767 = 3547 | 801 = 4241 | 835 = 4065 | 869 = 4151 | 903 = 4643 | 936 = 4466 | 969 = 4551 |
| 768 = 3550 | 802 = 4242 | 836 = 4066 | 870 = 4172 | 904 = 4644 | 937 = 4467 | 970 = 4572 |
| 769 = 3551 | 803 = 4243 | 837 = 4067 | 871 = 4161 | 905 = 4645 | 938 = 4470 | 971 = 4561 |
| 770 = 3572 | 804 = 4244 | 838 = 4070 | 872 = 4162 | 906 = 4646 | 939 = 4471 | 972 = 4562 |
| 771 = 3561 | 805 = 4245 | 839 = 4071 | 873 = 4163 | 907 = 4647 | 940 = 4512 | 973 = 4563 |
| 772 = 3562 | 806 = 4246 | 840 = 4112 | 874 = 4164 | 908 = 4650 | 941 = 4501 | 974 = 4564 |
| 773 = 3563 | 807 = 4247 | 841 = 4101 | 875 = 4165 | 909 = 4651 | 942 = 4502 | 975 = 4565 |
| 774 = 3564 | 808 = 4250 | 842 = 4102 | 876 = 4166 | 910 = 4432 | 943 = 4503 | 976 = 4566 |
| 775 = 3565 | 809 = 4251 | 843 = 4103 | 877 = 4167 | 911 = 4421 | 944 = 4504 | 977 = 4567 |
| 776 = 3566 | 810 = 4032 | 844 = 4104 | 878 = 4170 | 912 = 4422 | 945 = 4505 | 978 = 4570 |
| 777 = 3567 | 811 = 4021 | 845 = 4105 | 879 = 4171 | 913 = 4423 | 946 = 4506 | 979 = 4571 |
| 778 = 3570 | 812 = 4022 | 846 = 4106 | 880 = 4212 | 914 = 4424 | 947 = 4507 | 980 = 4612 |
| 779 = 3571 | 813 = 4023 | 847 = 4107 | 881 = 4201 | 915 = 4425 | 948 = 4510 | 981 = 4601 |
| 780 = 3612 | 814 = 4024 | 848 = 4110 | 882 = 4202 | 916 = 4426 | 949 = 4511 | 982 = 4602 |
| 781 = 3601 | 815 = 4025 | 849 = 4111 | 883 = 4203 | 917 = 4427 | 950 = 4532 | 983 = 4603 |
| 782 = 3602 | 816 = 4026 | 850 = 4132 | 884 = 4204 | 918 = 4430 | 951 = 4521 | 984 = 4604 |
| 783 = 3603 | 817 = 4027 | 851 = 4121 | 885 = 4205 | 919 = 4431 | 952 = 4522 | 985 = 4605 |
| 784 = 3604 | 818 = 4030 | 852 = 4122 | 886 = 4206 | 920 = 4452 | 953 = 4523 | 986 = 4606 |
| 785 = 3605 | 819 = 4031 | 853 = 4123 | 887 = 4207 | 921 = 4441 | 954 = 4524 | 987 = 4607 |
| 786 = 3606 | 820 = 4052 | 854 = 4124 | 888 = 4210 | 922 = 4442 | 955 = 4525 | 988 = 4610 |
| 787 = 3607 | 821 = 4041 | 855 = 4125 | 889 = 4211 | 923 = 4443 | 956 = 4526 | 989 = 4611 |
| 788 = 3610 | 822 = 4042 | 856 = 4126 | 890 = 4232 | 924 = 4444 | 957 = 4527 | 990 = 4632 |
| 789 = 3611 | 823 = 4043 | 857 = 4127 | 891 = 4221 | 925 = 4445 | 958 = 4530 | 991 = 4621 |
| 790 = 3632 | 824 = 4044 | 858 = 4130 | 892 = 4222 | 926 = 4446 | 959 = 4531 | 992 = 4622 |
| 791 = 3621 | 825 = 4045 | 859 = 4131 | 893 = 4223 | 927 = 4447 | 960 = 4552 | 993 = 4623 |
| 792 = 3622 | 826 = 4046 | 860 = 4152 | 894 = 4224 | 928 = 4450 | 961 = 4541 | 994 = 4624 |
| 793 = 3623 | 827 = 4047 | 861 = 4141 | 895 = 4225 | 929 = 4451 | 962 = 4542 | 995 = 4625 |
| 794 = 3624 | 828 = 4050 | 862 = 4142 | 896 = 4226 | 930 = 4472 | 963 = 4543 | 996 = 4626 |
| 795 = 3625 | 829 = 4051 | 863 = 4143 | 897 = 4227 | 931 = 4461 | 964 = 4544 | 997 = 4627 |
| 796 = 3626 | 830 = 4072 | 864 = 4144 | 898 = 4230 | 932 = 4462 | 965 = 4545 | 998 = 4630 |
| 797 = 3627 | 831 = 4061 | 865 = 4145 | 899 = 4231 | 933 = 4463 | 966 = 4546 | 999 = 4631 |
| 798 = 3630 | 832 = 4062 | 866 = 4146 | 900 = 4652 | | | |