```c
typedef struct{
    SHORT PHA;          /* 位　相(PhaseV.PhaseH)                */
    SHORT PHAIP;          /* 位　相　補　間量(PhaseV.PhaseIp)          */
    SHORT IDO;          /* 弱　め　界　磁　用　d 軸電流指令(WeakFV.IdOut)  */
    SHORT IQO;          /* q軸　電　流　指令(IntAdV.IqOut1L.s[0])         */
    SHORT VEL;          /* 弱　め　界　磁　用速度(WeakFV.Vel)      */
    SHORT KVV;          /* 電　圧　補　償　ゲイン(IntAdP.Kvv)       */
    SHORT IRIU;        /* U相　電　流　検出値(IuAD)        */
    SHORT IRIV;        /* U相　電　流　検出値(IvAD)        */
}TRQREFIN;

//TRQREFIN  TrqRefIn[1000] = {
TRQREFIN  TrqRefIn[5] = {
/*  PHA    PHAIP IDO    IDQ   VEL    KVV    IRIU   IRIV  */
    1728, 0,     0,     43,   -1,    7866, -44,   -20,
    1728, 0,     0,     39,   1,     7852, 12,    15,
    1728, 0,     0,     44,   1,     7852, 12,    23,
    1728, 0,     0,     46,   -1,    7860, -42,   -17,
    1728, 0,     0,     40,   0,     7860, 9,     21,
#if 0
    1728, 0,     0,     44,   1,     7866, 4,     18,
    1728, 0,     0,     37,   0,     7866, -41,   -17,
    1729, 0,     0,     46,   -1,    7870, 11,    19,
    1729, 0,     0,     42,   -1,    7870, 8,     16,
    1729, 0,     0,     44,   0,     7872, -39,   -16,
    1729, 0,     0,     39,   1,     7872, 4,     20,
    1729, 0,     0,     38,   -1,    7874, 0,     20,
    1728, 0,     0,     41,   0,     7874, -41,   -26,
    1728, 0,     0,     43,   1,     7858, 4,     17,
    1728, 0,     0,     38,   1,     7858, 3,     18,
    1728, 0,     0,     43,   -2,    7864, -38,   -20,
    1728, 0,     0,     42,   1,     7864, 8,     16,
    1728, 0,     0,     41,   1,     7868, 9,     16,
    1728, 0,     0,     46,   -1,    7868, -36,   -21,
    1728, 0,     0,     45,   0,     7854, 5,     16,
    1728, 0,     0,     45,   0,     7854, 6,     21,
```

```
1728,  0,      0,      37,    0,      7862,  -41,   -22,
1728,  0,      0,      40,    0,      7862,  -4,    17,
1728,  0,      0,      40,    0,      7867,  10,    17,
1728,  0,      0,      41,    0,      7867,  -41,   -21,
1728,  0,      0,      41,    -1,     7853,  -1,    17,
1729,  0,      0,      41,    0,      7853,  -1,    10,
1728,  0,      0,      41,    0,      7861,  -43,   -19,
1728,  0,      0,      41,    1,      7861,  1,     22,
1728,  0,      0,      43,    0,      7866,  11,    18,
1729,  0,      0,      43,    0,      7866,  -42,   -20,
1728,  0,      0,      43,    -1,     7852,  7,     18,
1729,  0,      0,      41,    1,      7852,  7,     14,
1729,  0,      0,      41,    0,      7860,  -39,   -20,
1728,  0,      0,      41,    0,      7860,  0,     16,
1728,  0,      0,      41,    0,      7866,  6,     14,
1728,  0,      0,      41,    0,      7866,  -46,   -21,
1729,  0,      0,      44,    1,      7852,  11,    21,
1728,  0,      0,      42,    -1,     7852,  5,     18,
1728,  0,      0,      42,    0,      7860,  -45,   -22,
1728,  0,      0,      36,    -1,     7860,  13,    18,
1728,  0,      0,      38,    1,      7866,  10,    15,
1728,  0,      0,      40,    0,      7866,  -42,   -25,
1728,  0,      0,      40,    0,      7852,  8,     18,
1728,  0,      0,      41,    1,      7852,  5,     23,
1728,  0,      0,      46,    -1,     7860,  -44,   -18,
1728,  0,      0,      43,    0,      7860,  -3,    20,
1728,  0,      0,      45,    1,      7866,  11,    18,
1728,  0,      0,      44,    -1,     7866,  -43,   -20,
1728,  0,      0,      44,    1,      7852,  8,     16,
1728,  0,      0,      39,    0,      7852,  5,     22,
1728,  0,      0,      33,    0,      7860,  -40,   -19,
1728,  0,      0,      42,    -1,     7860,  4,     23,
1728,  0,      0,      41,    0,      7866,  5,     16,
1728,  0,      0,      44,    0,      7866,  -40,   -26,
1729,  0,      0,      45,    -1,     7852,  11,    19,
1729,  0,      0,      39,    0,      7852,  6,     18,
1728,  0,      0,      35,    1,      7860,  -46,   -28,
```

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1728,  0,      0,      44,      0,      7860,  8,        17,
1728,  0,      0,      41,      0,      7866,  12,       19,
1728,  0,      0,      41,      0,      7866,  -43,      -18,
1728,  0,      0,      41,      0,      7852,  -5,       20,
1728,  0,      0,      41,      0,      7852,  5,        13,
1728,  0,      0,      41,      1,      7860,  -35,      -20,
1728,  0,      0,      41,      -1,     7860,  12,       18,
1728,  0,      0,      41,      0,      7866,  9,        19,
1728,  0,      0,      41,      0,      7866,  -46,      -24,
1728,  0,      0,      41,      0,      7852,  0,        16,
1728,  0,      0,      46,      0,      7852,  4,        22,
1728,  0,      0,      42,      0,      7860,  -39,      -19,
1728,  0,      0,      42,      0,      7860,  4,        22,
1728,  0,      0,      42,      1,      7866,  12,       19,
1728,  0,      0,      38,      0,      7866,  -42,      -25,
1728,  0,      0,      40,      0,      7852,  4,        14,
1728,  0,      0,      40,      -1,     7852,  5,        11,
1728,  0,      0,      46,      0,      7860,  -39,      -19,
1729,  0,      0,      42,      0,      7860,  5,        22,
1728,  0,      0,      42,      0,      7866,  2,        18,
1728,  0,      0,      42,      1,      7866,  -46,      -25,
1728,  0,      0,      39,      -1,     7852,  4,        11,
1728,  0,      0,      40,      0,      7852,  9,        13,
1728,  0,      0,      40,      0,      7860,  -34,      -16,
1728,  0,      0,      44,      0,      7860,  10,       19,
1728,  0,      0,      45,      0,      7866,  12,       18,
1728,  0,      0,      37,      0,      7866,  -42,      -11,
1728,  0,      0,      38,      -1,     7852,  7,        19,
1728,  0,      0,      46,      1,      7852,  6,        11,
1728,  0,      0,      39,      0,      7860,  -46,      -19,
1729,  0,      0,      40,      0,      7860,  -2,       15,
1728,  0,      0,      41,      0,      7866,  6,        10,
1728,  0,      0,      46,      0,      7866,  -44,      -20,
1728,  0,      0,      41,      1,      7852,  -10,      1,
1728,  0,      0,      51,      -1,     7852,  -8,       -5,
1728,  0,      0,      49,      0,      7860,  -64,      -53,
1728,  0,      0,      60,      1,      7860,  -20,      -16,
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1729, 0,    0,    77,   0,    7866, -41,  -43,
1729, 0,    0,    87,   0,    7866, -93,  -79,
1729, 0,    0,    106,  1,    7852, -49,  -43,
1730, 0,    0,    124,  2,    7852, -68,  -83,
1733, 0,    0,    153,  3,    7860, -112, -109,
1735, 0,    0,    175,  5,    7860, -71,  -79,
1738, 0,    0,    195,  9,    7866, -95,  -115,
1743, 0,    0,    223,  10,   7866, -145, -148,
1748, 0,    0,    248,  16,   7852, -109, -114,
1756, 0,    0,    270,  19,   7852, -121, -142,
1764, 0,    0,    293,  25,   7860, -172, -178,
1774, 1,    0,    319,  30,   7860, -113, -128,
1785, 1,    0,    334,  37,   7866, -133, -156,
1798, 1,    0,    355,  44,   7866, -175, -184,
1811, 1,    0,    375,  52,   7852, -132, -140,
1826, 1,    0,    386,  61,   7852, -142, -175,
1843, 1,    0,    396,  68,   7860, -192, -205,
1862, 2,    0,    395,  76,   7860, -149, -161,
1882, 2,    0,    394,  86,   7866, -149, -179,
1904, 2,    0,    380,  97,   7866, -208, -217,
1928, 2,    0,    361,  105,  7870, -154, -170,
1954, 2,    0,    336,  115,  7870, -150, -183,
1979, 3,    0,    301,  124,  7872, -194, -221,
2007, 3,    0,    260,  133,  7872, -139, -157,
2037, 3,    0,    222,  141,  7874, -148, -183,
2067, 3,    0,    189,  147,  7874, -169, -188,
2097, 3,    0,    150,  153,  7875, -115, -133,
2127, 3,    0,    109,  157,  7875, -105, -141,
2156, 4,    0,    78,   160,  7876, -138, -150,
2186, 4,    0,    45,   163,  7876, -73,  -95,
2214, 4,    0,    15,   165,  7877, -72,  -104,
2241, 4,    0,    -14,  165,  7877, -99,  -104,
2268, 4,    0,    -34,  164,  7860, -40,  -56,
2293, 4,    0,    -51,  162,  7860, -42,  -48,
2318, 4,    0,    -66,  157,  7866, -75,  -71,
2340, 4,    0,    -80,  153,  7866, -25,  -23,
2362, 3,    0,    -86,  146,  7870, -20,  -27,
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2382,  3,      0,      -96,   138,   7870,  -62,   -45,
2400,  3,      0,      -85,   129,   7855,  -13,   1,
2419,  3,      0,      -79,   120,   7855,  -5,    -1,
2435,  3,      0,      -67,   111,   7862,  -54,   -35,
2451,  2,      0,      -50,   104,   7862,  -9,    3,
2466,  2,      0,      -36,   97,    7867,  -6,    -2,
2481,  2,      0,      -7,    90,    7867,  -59,   -42,
2495,  2,      0,      15,    85,    7853,  -11,   -4,
2509,  2,      0,      36,    79,    7853,  -12,   -14,
2523,  2,      0,      66,    79,    7861,  -63,   -51,
2538,  2,      0,      94,    77,    7861,  -9,    -11,
2553,  2,      0,      114,   76,    7866,  -19,   -27,
2569,  2,      0,      131,   75,    7866,  -65,   -61,
2585,  2,      0,      145,   78,    7870,  -24,   -19,
2601,  2,      0,      156,   80,    7870,  -29,   -39,
2620,  2,      0,      170,   82,    7872,  -80,   -76,
2638,  2,      0,      176,   86,    7872,  -36,   -39,
2658,  2,      0,      176,   90,    7874,  -40,   -68,
2677,  2,      0,      172,   94,    7874,  -87,   -106,
2697,  2,      0,      175,   98,    7858,  -49,   -59,
2719,  2,      0,      174,   103,   7858,  -57,   -93,
2741,  2,      0,      170,   107,   7864,  -98,   -118,
2763,  2,      0,      162,   111,   7864,  -56,   -84,
2786,  2,      0,      159,   114,   7868,  -65,   -112,
2809,  3,      0,      148,   119,   7868,  -100,  -134,
2833,  3,      0,      142,   121,   7854,  -56,   -95,
2857,  3,      0,      137,   125,   7854,  -67,   -109,
2881,  3,      0,      128,   128,   7862,  -103,  -140,
2905,  3,      0,      119,   129,   7862,  -55,   -96,
2929,  3,      0,      112,   133,   7867,  -58,   -120,
2953,  3,      0,      102,   133,   7867,  -99,   -137,
2977,  3,      0,      95,    136,   7853,  -55,   -90,
3001,  3,      0,      91,    137,   7853,  -64,   -108,
3024,  3,      0,      83,    136,   7861,  -103,  -132,
3047,  3,      0,      80,    136,   7861,  -50,   -86,
3070,  3,      0,      76,    136,   7866,  -51,   -94,
3093,  3,      0,      68,    136,   7866,  -88,   -127,
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3114,  3,      0,     65,    134,   7852,  −49,   −70,
3135,  3,      0,     62,    131,   7852,  −51,   −81,
3156,  3,      0,     62,    128,   7860,  −82,   −105,
3176,  3,      0,     61,    124,   7860,  −33,   −53,
3197,  3,      0,     67,    121,   7866,  −29,   −71,
3217,  3,      0,     62,    118,   7866,  −75,   −101,
3236,  3,      0,     59,    115,   7852,  −25,   −42,
3256,  3,      0,     67,    113,   7852,  −31,   −62,
3276,  3,      0,     65,    111,   7860,  −75,   −84,
3294,  2,      0,     68,    109,   7860,  −24,   −37,
3315,  2,      0,     66,    108,   7866,  −31,   −52,
3335,  2,      0,     64,    107,   7866,  −71,   −85,
3355,  2,      0,     69,    106,   7852,  −17,   −34,
3375,  2,      0,     69,    105,   7852,  −30,   −48,
3396,  2,      0,     71,    106,   7860,  −63,   −86,
3417,  2,      0,     72,    107,   7860,  −20,   −42,
3438,  2,      0,     65,    108,   7848,  −23,   −60,
3459,  2,      0,     68,    108,   7848,  −69,   −87,
3481,  2,      0,     72,    111,   7840,  −25,   −43,
3503,  3,      0,     70,    112,   7840,  −27,   −72,
3525,  3,      0,     73,    113,   7852,  −70,   −97,
3547,  3,      0,     75,    115,   7852,  −20,   −54,
3569,  3,      0,     72,    116,   7860,  −36,   −69,
3591,  3,      0,     72,    117,   7860,  −62,   −105,
3614,  3,      0,     79,    118,   7848,  −22,   −63,
3636,  3,      0,     75,    119,   7848,  −33,   −81,
3659,  3,      0,     78,    120,   7858,  −67,   −123,
3681,  3,      0,     81,    121,   7858,  −24,   −74,
3703,  3,      0,     87,    122,   7864,  −35,   −92,
3725,  3,      0,     82,    122,   7864,  −77,   −128,
3747,  3,      0,     83,    123,   7851,  −28,   −78,
3769,  3,      0,     81,    123,   7851,  −38,   −97,
3790,  3,      0,     84,    123,   7860,  −78,   −124,
3811,  3,      0,     83,    124,   7860,  −31,   −77,
3830,  3,      0,     78,    122,   7866,  −33,   −97,
3851,  3,      0,     83,    122,   7866,  −74,   −125,
3871,  3,      0,     83,    120,   7852,  −22,   −75,
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3891,  3,       0,       79,      119,     7852,  -39,    -91,
3910,  3,       0,       76,      117,     7860,  -66,    -115,
3928,  3,       0,       75,      116,     7860,  -16,    -72,
3948,  3,       0,       76,      114,     7866,  -32,    -79,
3967,  3,       0,       74,      113,     7866,  -68,    -107,
3985,  3,       0,       63,      110,     7852,  -12,    -60,
4004,  2,       0,       67,      109,     7852,  -25,    -73,
4023,  2,       0,       62,      109,     7860,  -68,    -109,
4042,  2,       0,       60,      106,     7860,  -15,    -63,
4061,  2,       0,       59,      105,     7866,  -27,    -75,
4080,  2,       0,       57,      105,     7866,  -66,    -103,
4099,  2,       0,       53,      105,     7852,  -12,    -49,
4118,  2,       0,       52,      105,     7852,  -19,    -63,
4138,  2,       0,       55,      105,     7860,  -61,    -95,
4157,  2,       0,       50,      104,     7860,  -6,     -46,
4178,  2,       0,       52,      104,     7866,  -20,    -57,
4199,  2,       0,       51,      106,     7866,  -57,    -94,
4219,  2,       0,       56,      106,     7852,  -12,    -48,
4239,  2,       0,       53,      107,     7852,  -21,    -57,
4260,  2,       0,       56,      106,     7860,  -56,    -96,
4281,  2,       0,       65,      108,     7860,  -10,    -56,
4302,  2,       0,       66,      110,     7866,  -22,    -66,
4322,  2,       0,       63,      109,     7866,  -55,    -101,
4343,  2,       0,       71,      110,     7852,  -6,     -54,
4364,  2,       0,       70,      108,     7852,  -19,    -66,
4385,  2,       0,       68,      110,     7860,  -59,    -100,
4405,  2,       0,       67,      110,     7860,  -6,     -58,
4425,  2,       0,       66,      110,     7866,  -21,    -73,
4445,  2,       0,       64,      110,     7866,  -55,    -114,
4465,  2,       0,       64,      110,     7852,  -5,     -73,
4484,  2,       0,       68,      109,     7852,  -22,    -87,
4502,  2,       0,       62,      109,     7860,  -59,    -126,
4521,  2,       0,       63,      108,     7860,  -2,     -89,
4540,  2,       0,       61,      108,     7866,  -28,    -101,
4558,  2,       0,       60,      106,     7866,  -54,    -119,
4576,  2,       0,       63,      107,     7852,  -13,    -85,
4594,  2,       0,       63,      107,     7852,  -23,    -92,
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4610,  2,      0,      62,     106,    7860,   -55,    -123,
4627,  2,      0,      60,     105,    7860,   -9,     -81,
4645,  2,      0,      62,     102,    7866,   -24,    -99,
4662,  2,      0,      62,     102,    7866,   -49,    -125,
4679,  2,      0,      59,     102,    7852,   -10,    -80,
4695,  2,      0,      61,     100,    7852,   -21,    -88,
4713,  2,      0,      55,     99,     7860,   -54,    -117,
4729,  2,      0,      59,     99,     7860,   -3,     -69,
4746,  2,      0,      55,     98,     7866,   -13,    -77,
4763,  2,      0,      55,     97,     7866,   -54,    -100,
4780,  2,      0,      51,     96,     7852,   -9,     -62,
4797,  2,      0,      52,     97,     7852,   -7,     -71,
4813,  2,      0,      52,     95,     7860,   -49,    -101,
4830,  2,      0,      44,     95,     7860,   -5,     -50,
4847,  2,      0,      54,     94,     7866,   -12,    -53,
4864,  2,      0,      48,     95,     7866,   -51,    -88,
4881,  2,      0,      51,     92,     7852,   -1,     -42,
4899,  2,      0,      49,     93,     7852,   -14,    -51,
4916,  2,      0,      53,     93,     7860,   -46,    -90,
4934,  2,      0,      53,     93,     7860,   4,      -49,
4952,  2,      0,      52,     92,     7866,   -8,     -63,
4969,  2,      0,      56,     93,     7866,   -43,    -103,
4987,  2,      0,      50,     93,     7852,   0,      -56,
5004,  2,      0,      51,     93,     7852,   -8,     -68,
5022,  2,      0,      52,     93,     7860,   -42,    -102,
5040,  2,      0,      57,     93,     7860,   1,      -61,
5057,  2,      0,      55,     94,     7866,   -8,     -74,
5074,  2,      0,      58,     94,     7866,   -43,    -112,
5092,  2,      0,      59,     94,     7852,   1,      -70,
5109,  2,      0,      60,     93,     7852,   -11,    -84,
5125,  2,      0,      62,     93,     7860,   -45,    -116,
5142,  2,      0,      56,     92,     7860,   -2,     -66,
5159,  2,      0,      54,     93,     7866,   -11,    -85,
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7367,  0,    0,    79,   13,   7860,  28,    -57,
7370,  0,    0,    84,   13,   7866,  20,    -65,
7372,  0,    0,    80,   13,   7866,  -18,   -105,
7373,  0,    0,    89,   13,   7852,  25,    -62,
7377,  0,    0,    78,   13,   7852,  17,    -66,
7379,  0,    0,    79,   13,   7860,  -22,   -102,
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7391, 0,    0,    83,   13,   7860,   -16,   -111,
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7398, 0,    0,    83,   13,   7866,   -15,   -105,
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7404, 0,    0,    91,   12,   7860,   -16,   -102,
7407, 0,    0,    82,   11,   7860,   29,    -59,
7409, 0,    0,    80,   11,   7866,   14,    -68,
7411, 0,    0,    94,   12,   7866,   -22,   -112,
7413, 0,    0,    75,   11,   7870,   24,    -62,
7415, 0,    0,    82,   11,   7870,   19,    -77,
7417, 0,    0,    76,   11,   7872,   -20,   -105,
7419, 0,    0,    80,   12,   7872,   34,    -65,
7421, 0,    0,    84,   10,   7874,   20,    -70,
7423, 0,    0,    83,   11,   7874,   -22,   -107,
7425, 0,    0,    85,   11,   7858,   26,    -65,
7427, 0,    0,    92,   11,   7858,   19,    -73,
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7430, 0,    0,    82,   10,   7864,   25,    -59,
7432, 0,    0,    79,   11,   7868,   20,    -73,
7434, 0,    0,    78,   10,   7868,   -22,   -106,
7436, 0,    0,    83,   12,   7854,   31,    -63,
7438, 0,    0,    80,   10,   7854,   24,    -68,
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7446, 0,    0,    81,   11,   7867,   -23,   -115,
7448, 0,    0,    85,   10,   7853,   30,    -68,
7449, 0,    0,    86,   11,   7853,   21,    -62,
7451, 0,    0,    84,   9,    7861,   -19,   -105,
7453, 0,    0,    86,   10,   7861,   26,    -67,
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7484,  0,      0,      85,     9,      7862,   24,     -61,
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7488,  0,      0,      84,     8,      7853,   27,     -62,
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7559,  0,      0,      89,     6,      7866,  -14,     -107,
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7568,  0,     0,     88,   7,     7852,  21,    -79,
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7570,  0,     0,     91,   5,     7860,  25,    -61,
7571,  0,     0,     85,   7,     7866,  23,    -62,
7572,  0,     0,     87,   5,     7866,  -22,   -107,
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7699, 0,     0,     88,   3,     7870,  17,    -58,
7699, 0,     0,     87,   3,     7870,  27,    -64,
7700, 0,     0,     87,   2,     7872,  -14,   -107,
7700, 0,     0,     87,   4,     7872,  33,    -64,
7701, 0,     0,     87,   2,     7874,  24,    -75,
7701, 0,     0,     87,   3,     7874,  -14,   -112,
7702, 0,     0,     87,   3,     7858,  34,    -69,
7702, 0,     0,     90,   4,     7858,  24,    -68,
7703, 0,     0,     89,   2,     7864,  -17,   -108,
7704, 0,     0,     96,   3,     7864,  33,    -71,
7704, 0,     0,     92,   3,     7851,  25,    -72,
7705, 0,     0,     94,   3,     7851,  -24,   -106,
7705, 0,     0,     93,   3,     7842,  21,    -61,
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7706,  0,      0,      91,     2,      7842,  23,      −66,
7706,  0,      0,      86,     3,      7854,  −11,     −106,
7707,  0,      0,      87,     3,      7854,  32,      −70,
7707,  0,      0,      87,     3,      7862,  26,      −77,
7708,  0,      0,      87,     2,      7862,  −12,     −111,
7708,  0,      0,      87,     4,      7850,  27,      −59,
7709,  0,      0,      87,     2,      7850,  25,      −76,
7710,  0,      0,      87,     3,      7859,  −16,     −104,
7710,  0,      0,      87,     3,      7859,  26,      −64,
7711,  0,      0,      89,     3,      7865,  23,      −69,
7711,  0,      0,      86,     2,      7865,  −15,     −104,
7712,  0,      0,      86,     4,      7852,  29,      −68,
7712,  0,      0,      88,     3,      7852,  20,      −72,
7713,  0,      0,      88,     2,      7860,  −18,     −110,
7714,  0,      0,      91,     3,      7860,  24,      −61,
7714,  0,      0,      93,     2,      7866,  25,      −71,
7715,  0,      0,      87,     3,      7866,  −16,     −112,
7715,  0,      0,      91,     3,      7852,  30,      −70,
7716,  0,      0,      87,     3,      7852,  25,      −72,
7716,  0,      0,      87,     3,      7860,  −15,     −105,
7717,  0,      0,      89,     3,      7860,  39,      −71,
7717,  0,      0,      87,     3,      7866,  23,      −77,
7717,  0,      0,      89,     3,      7866,  −16,     −105,
7718,  0,      0,      85,     2,      7852,  28,      −55,
7719,  0,      0,      90,     3,      7852,  20,      −74,
7719,  0,      0,      88,     3,      7860,  −15,     −112,
7720,  0,      0,      89,     2,      7860,  39,      −69,
7720,  0,      0,      94,     3,      7866,  21,      −73,
7721,  0,      0,      87,     2,      7866,  −7,      −107,
7721,  0,      0,      91,     2,      7870,  33,      −64,
7722,  0,      0,      90,     3,      7870,  21,      −78,
7722,  0,      0,      87,     3,      7872,  −16,     −102,
7723,  0,      0,      87,     3,      7872,  28,      −65,
7723,  0,      0,      91,     2,      7874,  24,      −73,
7724,  0,      0,      95,     2,      7874,  −8,      −112,
7724,  0,      0,      83,     3,      7858,  26,      −64,
7725,  0,      0,      89,     3,      7858,  30,      −78,
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7725, 0,    0,    90,  3,    7864, -12,  -115,
7726, 0,    0,    93,  2,    7864, 27,   -69,
7726, 0,    0,    85,  3,    7868, 28,   -73,
7727, 0,    0,    91,  3,    7868, -10,  -114,
7727, 0,    0,    89,  2,    7854, 28,   -67,
7728, 0,    0,    89,  3,    7854, 23,   -76,
7728, 0,    0,    91,  3,    7862, -15,  -108,
7729, 0,    0,    90,  2,    7862, 25,   -61,
7729, 0,    0,    94,  3,    7867, 25,   -73,
7729, 0,    0,    90,  1,    7867, -13,  -108,
7730, 0,    0,    84,  4,    7853, 28,   -71,
7730, 0,    0,    88,  1,    7853, 20,   -76,
7731, 0,    0,    88,  2,    7861, -11,  -111,
7731, 0,    0,    83,  4,    7861, 31,   -63,
7732, 0,    0,    90,  1,    7866, 20,   -70,
7732, 0,    0,    91,  3,    7866, -17,  -112,
7733, 0,    0,    86,  2,    7852, 35,   -66,
7733, 0,    0,    91,  3,    7852, 25,   -75,
7734, 0,    0,    88,  3,    7860, -18,  -104,
7734, 0,    0,    90,  2,    7860, 36,   -67,
7735, 0,    0,    88,  4,    7866, 26,   -71,
7735, 0,    0,    90,  2,    7866, -10,  -103,
7736, 0,    0,    86,  2,    7852, 27,   -62,
7736, 0,    0,    90,  3,    7852, 25,   -73,
7737, 0,    0,    91,  2,    7860, -20,  -111,
7737, 0,    0,    87,  3,    7860, 30,   -68,
7738, 0,    0,    91,  1,    7866, 16,   -73,
7738, 0,    0,    86,  3,    7866, -21,  -102,
7739, 0,    0,    90,  2,    7852, 35,   -65,
7739, 0,    0,    91,  3,    7852, 20,   -68,
7739, 0,    0,    87,  2,    7860, -9,   -103,
7740, 0,    0,    91,  2,    7860, 31,   -51,
7740, 0,    0,    94,  3,    7866, 21,   -73,
7741, 0,    0,    89,  3,    7866, -7,   -118,
7741, 0,    0,    90,  2,    7852, 33,   -75,
7742, 0,    0,    90,  2,    7852, 26,   -76,
7742, 0,    0,    94,  3,    7860, -15,  -112,
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7743, 0,    0,    91,  2,    7860, 31,   -57,
7743, 0,    0,    91,  3,    7866, 23,   -71,
7744, 0,    0,    92,  2,    7866, -16,  -107,
7744, 0,    0,    87,  2,    7852, 39,   -73,
7744, 0,    0,    85,  3,    7852, 25,   -67,
7745, 0,    0,    87,  2,    7860, -13,  -104,
7745, 0,    0,    90,  3,    7860, 30,   -66,
7746, 0,    0,    91,  2,    7866, 24,   -66,
7746, 0,    0,    92,  2,    7866, -12,  -103,
7747, 0,    0,    92,  2,    7852, 30,   -61,
7747, 0,    0,    87,  3,    7852, 26,   -66,
7747, 0,    0,    91,  2,    7860, -15,  -112,
7748, 0,    0,    91,  2,    7860, 28,   -70,
7748, 0,    0,    89,  3,    7866, 23,   -71,
7749, 0,    0,    90,  1,    7866, -15,  -104,
7749, 0,    0,    88,  2,    7852, 35,   -72,
7750, 0,    0,    90,  3,    7852, 24,   -66,
7750, 0,    0,    93,  1,    7860, -10,  -107,
7750, 0,    0,    88,  3,    7860, 31,   -60,
7751, 0,    0,    85,  3,    7866, 29,   -72,
7751, 0,    0,    87,  2,    7866, -12,  -112,
7752, 0,    0,    88,  2,    7852, 32,   -61,
7752, 0,    0,    90,  2,    7852, 28,   -74,
7753, 0,    0,    90,  2,    7860, -18,  -109,
7753, 0,    0,    91,  2,    7860, 27,   -61,
7753, 0,    0,    93,  3,    7866, 23,   -66,
7754, 0,    0,    91,  2,    7866, -21,  -102,
7754, 0,    0,    88,  2,    7852, 32,   -69,
7755, 0,    0,    95,  2,    7852, 26,   -73,
7755, 0,    0,    94,  2,    7860, -17,  -104,
7756, 0,    0,    92,  2,    7860, 35,   -64,
7756, 0,    0,    94,  2,    7866, 27,   -72,
7756, 0,    0,    87,  3,    7866, -14,  -100,
7757, 0,    0,    91,  2,    7852, 31,   -68,
7757, 0,    0,    85,  3,    7852, 28,   -67,
7757, 0,    0,    87,  2,    7860, -19,  -101,
7758, 0,    0,    90,  2,    7860, 29,   -60,
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    7758,  0,       0,       87,    2,       7866,  26,     -80,
    7759,  0,       0,       87,    2,       7866,  -12,    -111,
    7759,  0,       0,       90,    2,       7852,  31,     -74,
    7759,  0,       0,       87,    2,       7852,  24,     -78,
    7760,  0,       0,       89,    2,       7860,  -13,    -107,
    7760,  0,       0,       92,    1,       7860,  29,     -65,
    7761,  0,       0,       90,    3,       7866,  30,     -66,
    7761,  0,       0,       87,    2,       7866,  -14,    -97,
    7762,  0,       0,       92,    1,       7852,  31,     -68,
    7762,  0,       0,       91,    3,       7852,  23,     -69,
    7762,  0,       0,       90,    2,       7860,  -10,    -110,
    7763,  0,       0,       85,    1,       7860,  31,     -63,
    7763,  0,       0,       86,    3,       7866,  28,     -73,
    7763,  0,       0,       86,    2,       7866,  -16,    -105,
    7764,  0,       0,       89,    2,       7852,  32,     -68,
    7764,  0,       0,       87,    2,       7852,  20,     -70,
    7765,  0,       0,       94,    2,       7860,  -16,    -103,
#endif  //#if 0
};
```