```
]PR#0

]CALL-151

*4000L
4000-   4C 6B 00    JMP    $006B
4003-   CA          DEX
4004-   CA          DEX
4005-   84 67       STY    $67
4007-   A0 00       LDY    #$00
4009-   84 5F       STY    $5F
400B-   B1 60       LDA    ($60),Y
400D-   C9 1C       CMP    #$1C
400F-   D0 06       BNE    $4017
4011-   C8          INY
4012-   E6 5F       INC    $5F
4014-   B8          CLV
4015-   50 09       BVC    $4020
4017-   AD 34 08    LDA    $0834
401A-   CD 28 08    CMP    $0828
401D-   D0 01       BNE    $4020
401F-   C8          INY
4020-   88          DEY
4021-   8C 4A 08    STY    $084A
4024-   94 00       STY    $00,X
*L

4026-   94 01       STY    $01,X
4028-   A4 67       LDY    $67
402A-   4C 6B 00    JMP    $006B
402D-   CA          DEX
402E-   CA          DEX
402F-   84 67       STY    $67
4031-   A0 FF       LDY    #$FF
4033-   A5 60       LDA    $60
4035-   CD 0E 08    CMP    $080E
4038-   A5 61       LDA    $61
403A-   ED 0F 08    SBC    $080F
403D-   90 01       BCC    $4040
403F-   C8          INY
4040-   94 00       STY    $00,X
4042-   94 01       STY    $01,X
4044-   A4 67       LDY    $67
4046-   4C 6B 00    JMP    $006B
4049-   84 67       STY    $67
404B-   AC 32 08    LDY    $0832
404E-   A9 FF       LDA    #$FF
*L

4050-   C8          INY
4051-   F0 0F       BEQ    $4062
4053-   99 00 0A    STA    $0A00,Y
4056-   99 00 0B    STA    $0B00,Y
4059-   99 00 0C    STA    $0C00,Y
405C-   99 00 0D    STA    $0D00,Y
405F-   B8          CLV
4060-   50 EE       BVC    $4050
4062-   A4 67       LDY    $67
4064-   4C 6B 00    JMP    $006B
4067-   84 67       STY    $67
4069-   AC 3C 08    LDY    $083C
406C-   B9 98 09    LDA    $0998,Y
406F-   85 60       STA    $60
4071-   B9 B0 09    LDA    $09B0,Y
4074-   85 61       STA    $61
```

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4076-    B9 C8 09    LDA    $09C8,Y
4079-    8D 34 08    STA    $0834
407C-    B9 E0 09    LDA    $09E0,Y
407F-    8D 32 08    STA    $0832
*L

4082-    AD 14 08    LDA    $0814
4085-    6D 3C 08    ADC    $083C
4088-    8D 30 08    STA    $0830
408B-    AD 15 08    LDA    $0815
408E-    69 00       ADC    #$00
4090-    8D 31 08    STA    $0831
4093-    A4 67       LDY    $67
4095-    20 83 D2    JSR    $D283
4098-    54          ???
4099-    04          ???
409A-    18          CLC
409B-    4C 53 04    JMP    $0453
409E-    09 59       ORA    #$59
40A0-    5A          ???
40A1-    0E 7B 08    ASL    $087B
40A4-    9A          TXS
40A5-    2C 04 16    BIT    $1604
40A8-    77          ???
40A9-    56 04       LSR    $04,X
40AB-    16 07       ASL    $07,X
*L

40AD-    03          ???
40AE-    01 22       ORA    ($22,X)
40B0-    08          PHP
40B1-    9A          TXS
40B2-    38          SEC
40B3-    4C 08 30    JMP    $3008
40B6-    08          PHP
40B7-    36 38       ROL    $38,X
40B9-    08          PHP
40BA-    32          ???
40BB-    08          PHP
40BC-    38          SEC
40BD-    38          SEC
40BE-    50 07       BVC    $40C7
40C0-    20 83 D2    JSR    $D283
40C3-    00          BRK
40C4-    80          ???
40C5-    08          PHP
40C6-    2A          ROL
40C7-    26 08       ROL    $08
*L

40C9-    2C 38 08    BIT    $0838
40CC-    2A          ROL
40CD-    2A          ROL
40CE-    08          PHP
40CF-    70 38       BVS    $4109
40D1-    08          PHP
40D2-    0A          ASL
40D3-    08          PHP
40D4-    0C          ???
40D5-    26 08       ROL    $08
40D7-    3E 38 08    ROL    $0838,X
40DA-    0A          ASL
40DB-    08          PHP
40DC-    0C          ???
40DD-    00          BRK
40DE-    51 33       EOR    ($33),Y
```

```
40E0-    22              ???
40E1-    08              PHP
40E2-    34              ???
40E3-    38              SEC
*L

40E4-    22              ???
40E5-    08              PHP
40E6-    30 38           BMI     $4120
40E8-    22              ???
40E9-    08              PHP
40EA-    32              ???
40EB-    38              SEC
40EC-    21 08           AND     ($08,X)
40EE-    9A              TXS
40EF-    38              SEC
40F0-    08              PHP
40F1-    08              PHP
40F2-    3C              ???
40F3-    07              ???
40F4-    20 83 D2        JSR     $D283
40F7-    4D 08 08        EOR     $0808
40FA-    11 26           ORA     ($26),Y
40FC-    21 4F           AND     ($4F,X)
40FE-    52              ???
40FF-    07              ???
*L

4100-    AD 4C 08        LDA     $084C
4103-    F0 0A           BEQ     $410F
4105-    A5 60           LDA     $60
4107-    8D 4E 08        STA     $084E
410A-    A5 61           LDA     $61
410C-    8D 4F 08        STA     $084F
410F-    4C 6B 00        JMP     $006B
4112-    E8              INX
4113-    E8              INX
4114-    84 67           STY     $67
4116-    B4 00           LDY     $00,X
4118-    B9 98 09        LDA     $0998,Y
411B-    85 60           STA     $60
411D-    B9 B0 09        LDA     $09B0,Y
4120-    85 61           STA     $61
4122-    B9 C8 09        LDA     $09C8,Y
4125-    8D 34 08        STA     $0834
4128-    B9 E0 09        LDA     $09E0,Y
412B-    8D 32 08        STA     $0832
412E-    C0 17           CPY     #$17
*L

4130-    D0 06           BNE     $4138
4132-    AD 4E 08        LDA     $084E
4135-    B8              CLV
4136-    50 03           BVC     $413B
4138-    B9 99 09        LDA     $0999,Y
413B-    38              SEC
413C-    E5 60           SBC     $60
413E-    85 5F           STA     $5F
4140-    A4 67           LDY     $67
4142-    4C 6B 00        JMP     $006B
4145-    20 83 D2        JSR     $D283
4148-    7B              ???
4149-    53              ???
414A-    04              ???
414B-    0A              ASL
414C-    59 60 61        EOR     $6160,Y
```

```
414F-   03              ???
4150-   0B              ???
4151-   65 75           ADC     $75
4153-   7B              ???
*L

4154-   5A              ???
4155-   07              ???
4156-   20 83 D2        JSR     $D283
4159-   5E 08 3A        LSR     $3A08,X
415C-   5F              ???
415D-   0E 4C 08        ASL     $084C
4160-   3A              ???
4161-   5C              ???
4162-   04              ???
4163-   0F              ???
4164-   63              ???
4165-   03              ???
4166-   02              ???
4167-   23              ???
4168-   08              PHP
4169-   4C 38 64        JMP     $6438
416C-   5B              ???
416D-   04              ???
416E-   2C 00 18        BIT     $1800
4171-   08              PHP
*L

4172-   3A              ???
4173-   05 16           ORA     $16
4175-   5F              ???
4176-   04              ???
4177-   25 16           AND     $16
4179-   5C              ???
417A-   0E 03 2B        ASL     $2B03
417D-   22              ???
417E-   08              PHP
417F-   4C 38 0A        JMP     $0A38
4182-   2C 06 76        BIT     $7606
4185-   62              ???
4186-   07              ???
4187-   20 83 D2        JSR     $D283
418A-   7A              ???
418B-   68              PLA
418C-   9E              ???
418D-   51 07           EOR     ($07),Y
418F-   20 83 D2        JSR     $D283
4192-   0B              ???
*L

4193-   5D 05 16        EOR     $1605,X
4196-   5F              ???
4197-   0E 16 5C        ASL     $5C16
419A-   0E 06 76        ASL     $7606
419D-   07              ???
419E-   20 83 D2        JSR     $D283
41A1-   00              BRK
41A2-   18              CLC
41A3-   22              ???
41A4-   6E 3D 08        ROR     $083D
41A7-   4E 38 07        LSR     $0738
41AA-   20 83 D2        JSR     $D283
41AD-   08              PHP
41AE-   3C              ???
41AF-   11 26           ORA     ($26),Y
41B1-   28              PLP
```

```
41B2-    32              ???
41B3-    08              PHP
41B4-    3C              ???
41B5-    38              SEC
*L

41B6-    08              PHP
41B7-    12              ???
41B8-    08              PHP
41B9-    AC 38 51        LDY      $5138
41BC-    21 08           AND      ($08,X)
41BE-    AC 38 68        LDY      $6838
41C1-    07              ???
41C2-    AD 46 08        LDA      $0846
41C5-    8D C8 09        STA      $09C8
41C8-    AD 42 08        LDA      $0842
41CB-    8D E0 09        STA      $09E0
41CE-    A9 00           LDA      #$00
41D0-    8D C9 09        STA      $09C9
41D3-    A9 00           LDA      #$00
41D5-    8D E1 09        STA      $09E1
41D8-    4C 6B 00        JMP      $006B
41DB-    20 83 D2        JSR      $D283
41DE-    08              PHP
41DF-    60              RTS
41E0-    08              PHP
*L

41E1-    14              ???
41E2-    2D 08 14        AND      $1408
41E5-    00              BRK
41E6-    17              ???
41E7-    25 08           AND      $08
41E9-    60              RTS
41EA-    2D 1F 08        AND      $081F
41ED-    12              ???
41EE-    42              ???
41EF-    2B              ???
41F0-    1F              ???
41F1-    0B              ???
41F2-    08              PHP
41F3-    6A              ROR
41F4-    38              SEC
41F5-    04              ???
41F6-    4F              ???
41F7-    08              PHP
41F8-    62              ???
41F9-    00              BRK
*L

41FA-    17              ???
41FB-    25 08           AND      $08
41FD-    60              RTS
41FE-    2D 04 2B        AND      $2B04
4201-    08              PHP
4202-    60              RTS
4203-    00              BRK
4204-    0B              ???
4205-    26 03           ROL      $03
4207-    3E 08 60        ROL      $6008,X
420A-    08              PHP
420B-    62              ???
420C-    00              BRK
420D-    0B              ???
420E-    25 2D           AND      $2D
4210-    04              ???
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4211-    3C              ???
4212-    08              PHP
4213-    60              RTS
4214-    00              BRK
*L

4215-    0B              ???
4216-    26 03           ROL     $03
4218-    3E 08 62        ROL     $6208,X
421B-    32              ???
421C-    08              PHP
421D-    36 00           ROL     $00,X
421F-    18              CLC
4220-    26 32           ROL     $32
4222-    30 0B           BMI     $422F
4224-    43              ???
4225-    08              PHP
4226-    14              ???
4227-    38              SEC
4228-    08              PHP
4229-    48              PHA
422A-    67              ???
422B-    41 07           EOR     ($07,X)
422D-    20 83 D2        JSR     $D283
4230-    08              PHP
4231-    60              RTS
*L

4232-    08              PHP
4233-    66 38           ROR     $38
4235-    08              PHP
4236-    62              ???
4237-    08              PHP
4238-    68              PLA
4239-    38              SEC
423A-    0B              ???
423B-    08              PHP
423C-    12              ???
423D-    2B              ???
423E-    04              ???
423F-    14              ???
4240-    0E 03 1E        ASL     $1E03
4243-    0B              ???
4244-    44              ???
4245-    08              PHP
4246-    40              RTI
4247-    08              PHP
4248-    60              RTS
*L

4249-    38              SEC
424A-    08              PHP
424B-    12              ???
424C-    38              SEC
424D-    0B              ???
424E-    08              PHP
424F-    10 2B           BPL     $427C
4251-    04              ???
4252-    27              ???
4253-    0E 03 3D        ASL     $3D03
4256-    0B              ???
4257-    08              PHP
4258-    12              ???
4259-    28              PLP
425A-    2B              ???
425B-    04              ???
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```
425C-    33              ???
425D-    08              PHP
425E-    60              RTS
425F-    28              PLP
*L

4260-    03              ???
4261-    37              ???
4262-    0B              ???
4263-    44              ???
4264-    08              PHP
4265-    40              RTI
4266-    08              PHP
4267-    62              ???
4268-    38              SEC
4269-    08              PHP
426A-    10 38           BPL     $42A4
426C-    07              ???
426D-    20 83 D2        JSR     $D283
4270-    08              PHP
4271-    60              RTS
4272-    08              PHP
4273-    66 31           ROR     $31
4275-    08              PHP
4276-    14              ???
4277-    26 24           ROL     $24
*L

4279-    25 00           AND     $00
427B-    18              CLC
427C-    30 08           BMI     $4286
427E-    62              ???
427F-    08              PHP
4280-    68              PLA
4281-    30 08           BMI     $428B
4283-    14              ???
4284-    26 24           ROL     $24
4286-    26 32           ROL     $32
4288-    10 28           BPL     $42B2
428A-    30 6E           BMI     $42FA
428C-    07              ???
428D-    20 83 D2        JSR     $D283
4290-    6D 66 08        ADC     $0866
4293-    6A              ROR
4294-    04              ???
4295-    0A              ASL
4296-    6B              ???
4297-    03              ???
*L

4298-    0B              ???
4299-    6F              ???
429A-    07              ???
429B-    20 83 D2        JSR     $D283
429E-    08              PHP
429F-    08              PHP
42A0-    15 08           ORA     $08,X
42A2-    10 15           BPL     $42B9
42A4-    08              PHP
42A5-    10 44           BPL     $42EB
42A7-    08              PHP
42A8-    40              RTI
42A9-    08              PHP
42AA-    62              ???
42AB-    38              SEC
42AC-    08              PHP
```

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42AD-    16 08         ASL     $08,X
42AF-    08            PHP
42B0-    08            PHP
42B1-    16 26         ASL     $26,X
*L

42B3-    08            PHP
42B4-    10 08         BPL     $42BE
42B6-    08            PHP
42B7-    26 45         ROL     $45
42B9-    9B            ???
42BA-    45 08         EOR     $08
42BC-    16 25         ASL     $25,X
42BE-    08            PHP
42BF-    08            PHP
42C0-    26 0B         ROL     $0B
42C2-    08            PHP
42C3-    10 39         BPL     $42FE
42C5-    0B            ???
42C6-    08            PHP
42C7-    18            CLC
42C8-    39 0B 08      AND     $080B,Y
42CB-    08            PHP
42CC-    39 42 25      AND     $2542,Y
42CF-    67            ???
42D0-    08            PHP
*L

42D1-    08            PHP
42D2-    08            PHP
42D3-    10 2D         BPL     $4302
42D5-    08            PHP
42D6-    10 39         BPL     $4311
42D8-    00            BRK
42D9-    1C            ???
42DA-    08            PHP
42DB-    08            PHP
42DC-    1A            ???
42DD-    08            PHP
42DE-    10 27         BPL     $4307
42E0-    0B            ???
42E1-    08            PHP
42E2-    12            ???
42E3-    38            SEC
42E4-    08            PHP
42E5-    0C            ???
42E6-    38            SEC
42E7-    55 13         EOR     $13,X
*L

42E9-    13            ???
42EA-    4E 08 62      LSR     $6208
42ED-    08            PHP
42EE-    60            RTS
42EF-    38            SEC
42F0-    66 22         ROR     $22
42F2-    08            PHP
42F3-    3C            ???
42F4-    38            SEC
42F5-    7A            ???
42F6-    68            PLA
42F7-    9E            ???
42F8-    7A            ???
42F9-    83            ???
42FA-    07            ???
42FB-    20 83 D2      JSR     $D283
```

```
42FE-    08              PHP
42FF-    0C              ???
4300-    08              PHP
4301-    08              PHP
*L

4302-    26 08           ROL     $08
4304-    0E 08 0A        ASL     $0A08
4307-    26 25           ROL     $25
4309-    24 2B           BIT     $2B
430B-    04              ???
430C-    11 07           ORA     ($07),Y
430E-    08              PHP
430F-    18              CLC
4310-    08              PHP
4311-    12              ???
4312-    27              ???
4313-    2D 08 10        AND     $1008
4316-    08              PHP
4317-    18              CLC
4318-    2D 1E 04        AND     $041E
431B-    24 08           BIT     $08
431D-    10 08           BPL     $4327
431F-    18              CLC
4320-    38              SEC
4321-    08              PHP
*L

4322-    10 27           BPL     $434B
4324-    08              PHP
4325-    12              ???
4326-    26 04           ROL     $04
4328-    2F              ???
4329-    F2              ???
432A-    03              ???
432B-    9F              ???
432C-    08              PHP
432D-    08              PHP
432E-    08              PHP
432F-    10 2B           BPL     $435C
4331-    04              ???
4332-    52              ???
4333-    08              PHP
4334-    0A              ASL
4335-    18              CLC
4336-    08              PHP
4337-    0C              ???
4338-    1A              ???
*L

4339-    23              ???
433A-    08              PHP
433B-    12              ???
433C-    39 23 08        AND     $0823,Y
433F-    10 39           BPL     $437A
4341-    23              ???
4342-    08              PHP
4343-    0A              ASL
4344-    39 23 08        AND     $0823,Y
4347-    0C              ???
4348-    39 7A 68        AND     $687A,Y
434B-    9F              ???
434C-    51 03           EOR     ($03),Y
434E-    9F              ???
434F-    08              PHP
4350-    24 08           BIT     $08
```

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4352-    0E 08 0A    ASL    $0A08
4355-    2B          ???
4356-    2C 1E 04    BIT    $041E
4359-    7C          ???
*L

435A-    08          PHP
435B-    0E 08 0A    ASL    $0A08
435E-    2B          ???
435F-    2C 04 6B    BIT    $6B04
4362-    08          PHP
4363-    0A          ASL
4364-    18          CLC
4365-    08          PHP
4366-    10 1A       BPL    $4382
4368-    08          PHP
4369-    0A          ASL
436A-    08          PHP
436B-    0E 26 04    ASL    $0426
436E-    76 23       ROR    $23,X
4370-    08          PHP
4371-    0A          ASL
4372-    39 7A 68    AND    $687A,Y
4375-    9F          ???
4376-    51 03       EOR    ($03),Y
4378-    9F          ???
*L

4379-    21 08       AND    ($08,X)
437B-    12          ???
437C-    39 21 08    AND    $0821,Y
437F-    0C          ???
4380-    39 21 08    AND    $0821,Y
4383-    10 39       BPL    $43BE
4385-    08          PHP
4386-    12          ???
4387-    42          ???
4388-    2B          ???
4389-    04          ???
438A-    9D 08 14    STA    $1408,X
438D-    00          BRK
438E-    0C          ???
438F-    26 32       ROL    $32
4391-    0B          ???
4392-    08          PHP
4393-    14          ???
4394-    38          SEC
4395-    43          ???
*L

4396-    08          PHP
4397-    48          PHA
4398-    67          ???
4399-    41 55       EOR    ($55,X)
439B-    69 21       ADC    #$21
439D-    08          PHP
439E-    1C          ???
439F-    38          SEC
43A0-    07          ???
43A1-    20 83 D2    JSR    $D283
43A4-    23          ???
43A5-    45 2D       EOR    $2D
43A7-    08          PHP
43A8-    94 1F       STY    $1F,X
43AA-    04          ???
43AB-    16 22       ASL    $22,X
```

```
43AD–    08              PHP
43AE–    3C              ???
43AF–    38              SEC
43B0–    08              PHP
*L

43B1–    12              ???
43B2–    08              PHP
43B3–    18              CLC
43B4–    38              SEC
43B5–    22              ???
43B6–    08              PHP
43B7–    94 38           STY     $38,X
43B9–    07              ???
43BA–    20 83 D2        JSR     $D283
43BD–    08              PHP
43BE–    12              ???
43BF–    02              ???
43C0–    00              BRK
43C1–    01 25           ORA     ($25,X)
43C3–    08              PHP
43C4–    0A              ASL
43C5–    2D 10 00        AND     $0010
43C8–    1C              ???
43C9–    2B              ???
43CA–    2C 08 38        BIT     $3808
*L

43CD–    00              BRK
43CE–    CA              DEX
43CF–    2D 1F 1E        AND     $1E1F
43D2–    04              ???
43D3–    4E 9D 46        LSR     $469D
43D6–    08              PHP
43D7–    28              PLP
43D8–    00              BRK
43D9–    04              ???
43DA–    2D 00 80        AND     $8000
43DD–    08              PHP
43DE–    38              SEC
43DF–    2D 1E 10        AND     $101E
43E2–    00              BRK
43E3–    1D 2B 1E        ORA     $1E2B,X
43E6–    10 00           BPL     $43E8
43E8–    1C              ???
43E9–    2B              ???
43EA–    1F              ???
43EB–    04              ???
*L

43EC–    35 21           AND     $21,X
43EE–    08              PHP
43EF–    9A              TXS
43F0–    38              SEC
43F1–    08              PHP
43F2–    12              ???
43F3–    1A              ???
43F4–    23              ???
43F5–    08              PHP
43F6–    12              ???
43F7–    39 23 08        AND     $0823,Y
43FA–    0C              ???
43FB–    39 08 12        AND     $1208,Y
43FE–    28              PLP
43FF–    08              PHP
4400–    10 38           BPL     $443A
```

```
4402-    55 68        EOR     $68,X
4404-    21 08        AND     ($08,X)
4406-    1C           ???
4407-    38           SEC
*L

4408-    03           ???
4409-    50 0E        BVC     $4419
440B-    37           ???
440C-    07           ???
440D-    20 83 D2     JSR     $D283
4410-    7A           ???
4411-    F3           ???
4412-    9E           ???
4413-    7A           ???
4414-    51 08        EOR     ($08),Y
4416-    38           SEC
4417-    00           BRK
4418-    CA           DEX
4419-    2D 2C 04     AND     $042C
441C-    10 F1        BPL     $440F
441E-    37           ???
441F-    07           ???
4420-    20 83 D2     JSR     $D283
4423-    08           PHP
4424-    12           ???
*
```