```
1 0→DimZ:
                                                              Then Cls:
                                                              "OVERFLOW":
2 27→DimZ:
                                                    50
  0→A:
                                                              Stop:
                                                    51
   "ENTER -1 AFTER LAST INPUT":
                                                           IfEnd:
                                                    52
  While 1:
                                                    53 Next:
      "NUMBER"?→B:
                                                       Int(D÷3)→E:
                                                    55 D-3×E>0⇒E+1→E:
      B=-1⇒Break:
                                                    <sub>56</sub> 1→C:
      If B≠Int(B):
                                                    57 Lbl 1:
         Then Cls:
         "NUMBER MUST BE AN INTEGER":
                                                    58 Cls:
10
                                                    59 Locate 1.1.B:
         Stop:
11
      IfEnd:
                                                    60 Locate 12,1,C:
12
      If B<1 Or B≥1x1010:
                                                    61 Locate 13,1,":":
13
                                                    62 Locate 14,1,E:
         Then Cls:
14
         "NUMBER MUST BE >0 And <1x1010":
                                                    _{63} 3×(C-1)+1→A:
15
                                                    64 Locate 1,2,Z[A]:
         Stop:
16
      IfEnd:
                                                    65 A+1≤D⇒Locate 1,3,Z[A+1]:
17
                                                       A+2≤D⇒Locate 1,4,Z[A+2]:
      A+1→A:
18
      If A≤27:
                                                       While 1:
                                                    67
19
         Then B→Z[A]:
                                                           Getkey→F:
                                                    68
20
      Else Cls:
                                                           If F=34 Or F=73:
21
                                                    69
         "SUPPORTS AT MOST27 NUMBERS":
                                                              Then Cls:
22
                                                              "DONE":
         Stop:
                                                    71
      IfEnd:
                                                              Stop:
  WhileEnd:
                                                           IfEnd:
                                                    73
                                                           If F=84 Or F=86 Or F=77 Or F=47:
   If A<2:
26
                                                    74
                                                              Then C+1→C:
      Then Cls:
                                                     75
27
      "REQUIRES 2 OR MORE NUMBERS":
                                                              C>E⇒1→C:
28
                                                     76
      Stop:
                                                              Goto 1:
                                                    77
29
  IfEnd:
                                                           IfEnd:
                                                     78
                                                           If F=83 Or F=85 Or F=67:
  A→D:
  Z[D]→B:
                                                              Then C-1→C:
                                                    80
   For D-1→A To 1 Step -1:
                                                              C<1⇒E→C:
33
                                                    81
      B→E:
                                                              Goto 1:
                                                    82
34
      Z[A]→C:
                                                           IfEnd:
35
                                                    83
      While B≠C:
                                                    84 WhileEnd
         If B≥C:
37
                                                        Program Outline
             Then B-C\times Int(B\div C)\rightarrow B:
                                                        Lines 1-2: Set up memory for extra
             B=0⇒C→B:
39
                                                        variables Z[\alpha] where \alpha \in [1,27].
         Else C-B×Int(C÷B)→C:
40
             C=0⇒B→C:
41
                                                        Lines 3-31: User input of arguments for
         IfEnd:
42
                                                        LCM(Z[1], ..., Z[D]). D \in [2,27].
      WhileEnd:
43
      If E≥Z[A]:
44
                                                        Lines 32-53: Evaluate B = LCM(Z[1],
         Then (E÷B)×Z[A]→B:
                                                        ..., Z[D]). Uses LCM(\beta, \gamma) =
      Else (Z[A]÷B)×E→B:
46
                                                        (\beta \times \gamma) \div GCD(\beta, \gamma) = (\beta \div GCD(\beta, \gamma)) \times \gamma =
      IfEnd:
47
                                                        (\gamma \div GCD(\beta, \gamma)) \times \beta and LCM(\beta, \gamma, \delta, \epsilon) =
      If B≥1x1010:
48
                                                        LCM(LCM(LCM(\beta, \gamma),\delta),\epsilon).
```

Lines 54-84: Display result and inputs.

Variable Descriptions

A: Index into extra variable memory.

B: User input and LCM evaluation.

C: LCM evaluation and number of displayed input argument page.

D: Number of input arguments.

E: LCM evaluation and number of input argument display pages (3 inputs per page).

F: Identifier of most recently pressed key.

Notes

Lines 4, 10, 15, 22, and 28: The weird spacing prevents text wrapping from occurring in the middle of a word.

Lines 13 and 48: The fx-5800P can only represent numbers on the range $[-1x_{10}10,1x_{10}10]$ as exact integers.

Line 69: Pressing DEL (34) or EXIT (73) ends the program.

Line 74: Pressing \blacktriangle (84), \blacktriangleright (86), + (77), or EXE (47) cycles to the next input argument display page.

Line 79: Pressing ◀ (83), ▼ (85), or – (67) cycles to the previous input argument display page.

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