3.3 UNITS

Press <U> to see the next menu:

Convert   Edit_unit

3.3A <C>onvert

Press <C> to get the following prompt:

Input value (OUT) - 5

Type the value 5 and press ENTER. The next screen appears:

_____

```
 Down   Up  Right  Left   Next   Previous  Assign_unit  Convert
 Move one cell down                        [ESC] - Previous menu
              A            B            C            D            E
 1 ================================================================
 2        Units       |      Output/Input    |      Memory      |
 3 ================================================================
 4   None             |            5.00 |            0.00|
 5 ================================================================
          AA            AB            AC            AD            AE
 1  Length units   Area units   Volume units     Mass     Plane angles
 2  ------------- ------------- ------------- ------------- -------------
 3  Angstrom      meter^2       Bushel (US)   Cental (UK)   Cent.minute
 4  Centimeter    milimeter^2   Bushel (UK)   Dram,av.      Cent.second
 5  Decameter     centimeter^2  centimeter^3  Grain         Degree
 6  Decimeter     decimeter^2   decimeter^3   Gram          Minute
 7  Dis. of siriu decameter^2   Dry pint      Hund.weight.s Rad
 8  Foot          hectometer^2  Dry quart     Hund.weight   Right angle
 9  Inch          kilometer^2   Fluid dr (US) Hund.weight.l revolution
10  Hectometer    Circular inch Fluid dr (UK) Kilogram      Second
11  Light year    inch^2        Fluid oz (US) Metric ton    -------------
12  Kilometer     yard^2        Fluid oz (UK) Microgram     Spher. angles
13  Knot(UK)      Foot^2        Foot^3 (US)   Miligram      -------------
14  Knot(INTL.)   Acre          Foot^3 (UK)   Ounce,av.     Square degree
```
_____

Use the menu items to scroll through the units table. Before you can
convert units you first need to assign a physical unit to the number
in the Output/Input display.

To assign a unit, scroll to the desired unit and press <A> or
highlight the <Assign_unit> title and press ENTER. The highlighted
unit will appear in the unit display and will be assigned to the
number in the Output/Input display. Now, scroll to any desired
unit and press <C> to convert the assigned unit to the new unit.

3.3B <E>dit_unit

To edit units or define new units press <E> or highlight <Edit_unit>

and press the ENTER key. The next screen appears:

_____

```
            A            B            C            D            E
1 ===============================================================
2         Units          |      Output/Input    |       Memory      |
3 ===============================================================
4    None                |              5.00 |               0.00|
5 ===============================================================
       AA           AB            AC            AD            AE
1  Length units  Area units    Volume units      Mass      Plane angles
2  ------------  ------------  ------------  ------------  ------------
3  Angstrom      meter^2       Bushel (US)   Cental (UK)   Cent.minute
4  Centimeter    milimeter^2   Bushel (UK)   Dram,av.      Cent.second
5  Decameter     centimeter^2  centimeter^3  Grain         Degree
6  Decimeter     decimeter^2   decimeter^3   Gram          Minute
7  Dis. of siriu decameter^2   Dry pint      Hund.weight.s Rad
8  Foot          hectometer^2  Dry quart     Hund.weight   Right angle
9  Inch          kilometer^2   Fluid dr (US) Hund.weight.l revolution
10 Hectometer    Circular inch Fluid dr (UK) Kilogram      Second
11 Light year    inch^2        Fluid oz (US) Metric ton    -------------
12 Kilometer     yard^2        Fluid oz (UK) Microgram     Spher. angles
13 Knot(UK)      Foot^2        Foot^3 (US)   Miligram      -------------
14 Knot(INTL.)   Acre          Foot^3 (UK)   Ounce,av.     Square degree
```

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Use the menu to move to the unit you want to edit and press <E>
or highlight the <Edit> and press the ENTER key. The next prompt
appears:

Input the new unit name -

Type the new name and press ENTER or just press ENTER or ESC for no
changes. The next screen will show up:

_____

```
            A            B            C            D            E
1 ===============================================================
2         Units          |      Output/Input    |       Memory      |
3 ===============================================================
4    None                |              5.00 |               0.00|
5 ===============================================================
                                 AF
1  Length units factor
2  ------------------
3                                                    0.00000001
4                                                             1
5                                                          1000
6                                                            10
7                                             1.5418730000E+19
8                                                         30.48
9                                                          2.54
10                                                        10000
11                                            9.4605300000E+17
12                                                       100000
13                                                      185318.1
```

The program is now in the Lotus EDIT mode, edit or add a unit factor
and press the ENTER key or just press the ENTER key for no changes.
You have to choose one unit as the unity unit and factor all the
other units relative to the unity unit. When you are finished editing
press ENTER to return to the previous menu.

                        **** WARNING ****

Since the program is in the EDIT mode the Lotus keys are operative,
however the user is strongly advised to use ONLY the UP, PGUP, DOWN
and PGDN keys to scroll through the lines, the program doesn't allow
scrolling to the sides by hiding all the columns except the current
column. Trying to unhide the columns MAY destroy the program code.
For example: if by mistake you have pressed the "/" key, press ESC
to exit back to the READY mode and then press F2 to enter EDIT mode,
or just continue typing, or press ENTER to exit the EDIT mode.