



## Instruction List Scripts



### Convert

```
(  
  Description: Example 13.1 - Simple scaling  
  
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*)  
    LD_INT TT273_MEAS  
    ST_INT TmpInt  
  (* Ensure value not below zero *)  
    LT 0  
    JMPCN TstUpr  
    LD_INT 0  
    ST_INT TmpInt  
  (* Ensure value not above 32000 *)  
TstUpr:  LD_INT TmpInt  
        GT 32000  
        JMPCN DoCvrt  
        LD_INT 32000  
        ST_INT TmpInt  
  (* Convert to degrees C *)  
DoCvrt:  INT_TO_REAL(TmpInt)  
        ST_REAL TmpReal  
        DIV_REAL( TmpReal, 32000.0)  
        ST_REAL TmpReal  
        SUB_REAL( 700.0, 90.0)  
        ST_REAL TmpReal2  
        MUL_REAL(TmpReal, TmpReal2)  
        ST_REAL TmpReal  
        ADD_REAL( TmpReal, 90.0)  
        ST_REAL TT273_DEGC
```