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ClrHome
ClrList L1
"0123456789ABCDEFGHIJKLMNOPQRSTUVWXYZ"→Str0
Menu("BASE CONVERSION"," DEC TO BASE",1," BASE TO DEC",2," QUIT",3)
Lbl 3
ClrHome
Stop
Lbl 1
Disp "+-----+"
Disp "! DEC TO BASE !"
Disp "+-----+"
Input "NUMBER:",N
Input "BASE:",B
iPart(ln(1E10)/ln(B)+1)→L
1→P
While (L≥0)
iPart(N/B^L)→L1(P)
N-B^L*L1(P)→N
P+1→P:L-1→L
End
1→I
While (L1(I)=0)(I<P-1)
I+1→I:End
If I<P:Then
sub(Str0,L1(I)+1,1)→Str1
For(J,I+1,P-1)
Str1+sub(Str0,L1(J)+1,1)→Str1
End:End
Disp Str1
Stop
Lbl 2
Disp "+-----+"
Disp "! BASE TO DEC !"
Disp "+-----+"
Input "NUMBER:",Str1
Input "BASE:",B
1→P
For(I,1,length(Str1))
inString(Str0,sub(Str1,I,1),1)→L1(P)
P+1→P:End
P-2→L:0→N
For(I,1,P-1)
N+L1(I)*B^L→N
L-1→L:End
Disp N

```