```
(x,op,calclist,autoexec)
Prgm
©x,op,listname,autoexec
 - x: starting value
 - op: any function of x (may contain :)
 - calclist: list to store data to
 - autoexec: # of iterations to automatically compute
© v3.4
Local x,op,calclist,autoexec,k,iter,recur:0→iter
misc\statline("msg:Starting Clicker 3.4")

ClrIO

op&"→x"→op

If calclist=0 or calclist="" Then
 Goto fastloop
EndIf

Try
 {}→#calclist
 x→k
 expr(op)
 x→#calclist[dim(#calclist)+1]
 k→x
Else
 ClrErr
 misc\statline("msg:Saving to variable sequence due to type")
 DelVar #calclist
 k→x
 Goto seqloop
EndTry


DelVar #calclist
{}→#calclist

If autoexec≠0 Then
 Disp "Computing "&string(autoexec)&" iterations…"
 For recur,1,autoexec
  misc\statline("msg:Iteration "&string(recur)&" of "&string(autoexec))

  expr(op)
  x→#calclist[dim(#calclist)+1]
  Disp x
 EndFor
 Disp "Done."
 Goto quit
EndIf

misc\statline("pause")
Disp "Ready. (Saving to list)"

While true
 getKey()→k

 ©↓ [ENTER]
 If k=13 Then
  misc\statline("busy")
  expr(op)
  x→#calclist[dim(#calclist)+1]
  Disp x
  misc\statline("pause")

  iter+1→iter
  misc\statline("msg:Iteration = "&string(iter))

 ©↓ [CLEAR]/[HOME]
 ElseIf k=263 or k=277 Then
  Exit
 EndIf
EndWhile
Goto quit


Lbl fastloop

If autoexec≠0 Then
 Disp "Computing "&string(autoexec)&" iterations…"
 For recur,1,autoexec
  misc\statline("msg:Iteration "&string(recur)&" of "&string(autoexec))

  expr(op)
  x→lastclic
  Disp x
 EndFor

 Disp "Done."
 Goto quit
EndIf

Disp "Ready. (Only saving last)"

While true
 getKey()→k

 ©↓ [ENTER]
 If k=13 Then
  expr(op)
  Disp x

 ©↓ [CLEAR]/[HOME]
 ElseIf k=263 or k=277 Then
  x→lastclic
  Exit
 EndIf
EndWhile
Goto quit


Lbl seqloop
Local oldfold,suffix

Try
 getFold()→oldfold
 NewFold clkrvars
Else
 ClrErr
 setFold(clkrvars)→oldfold
EndTry

""→suffix
```

```

If autoexec≠0 Then
 Disp "Computing "&string(autoexec)&" iterations…"
 For recur,1,autoexec
  setFold(#oldfold)

  expr(op)
  setFold(clkrvars)

  x→#(mid(calclist,1,4)&misc\padstr(string(recur),"0",4,¯1))

  Disp x
  misc\statline("msg:Iteration "&string(recur)&" of "&string(autoexec))
 EndFor
 setFold(#oldfold)

 Disp "Done."
 Goto quit
EndIf

misc\statline("pause")
Disp "Ready. (Saving to vars)"

While true
 getKey()→k

 ©↓ [ENTER]
 If k=13 Then
  misc\statline("busy")
  setFold(#oldfold)
  iter+1→iter

  expr(op)
  setFold(clkrvars)

  x→#(mid(calclist,1,4)&misc\padstr(string(iter),"0",4,¯1))
  Disp x

  misc\statline("pause")
  misc\statline("msg:Iteration = "&string(iter))

 ©↓ [CLEAR]/[HOME]
 ElseIf k=263 or k=277 Then
  Exit
 EndIf
EndWhile
setFold(#oldfold)


Lbl quit
DispHome
misc\statline("idle")
misc\statline("msg:Done! Thanks for using Clicker 3.4")

EndPrgm
```