

Generalized Secant Method for Systems of Two Equations in Two  
Unknowns for fx-50FH II and fx-3650P II (CMPLX Mode) 149 +  
len(f(x,y)) + len(g(x,y)) bytes

ClrMemory:

Lbl 0:

?->X:

.5i(Conjg(X)-X->Y:

X-Yi->X:

MM-:

(Insert f(x,y) here):

AnsM+:

(Insert g(x,y) here):

iAnsM+:

X+Yi->X:

M->Y:

MM-:

If (X≠A)(A≠B:

Then X(CConjg(D)-DConjg(CM+:

B(CConjg(Y)-YConjg(CM-:

A(DConjg(Y)-YConjg(DM+:

CConjg(D)-(C-D)Conjg(Y:

M÷(Ans-Conjg(Ans->M:

IfEnd:

B->A:

X->B:

M->X:

D->C:

Y->D:

Goto 0

(CMPLX Mode) 139 + len(f(x,y)) + len(g(x,y)) bytes

ClrMemory:

While 1:

?->Y:

.5(Y+Conjg(Y->X:

i(X-Y->Y:

(Insert f(x,y) here):

AnsM+:

(Insert g(x,y) here):

iAnsM+:

X+Yi->Y:

M->X:

M<sup>-1</sup>-1:

MM-:

Y(CConjg(D)-DConjg(CM+:

B(CConjg(X)-XConjg(CM-:

A(DConjg(X)-XConjg(DM+:

CConjg(D)-(C-D)Conjg(X:

Ans-Conjg(Ans->C:

B->A:

Y->B:

Ci=>M÷C->Y:

D->C:

X->D:

MM-:

WhileEnd