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⁻¹⁻¹:

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
```