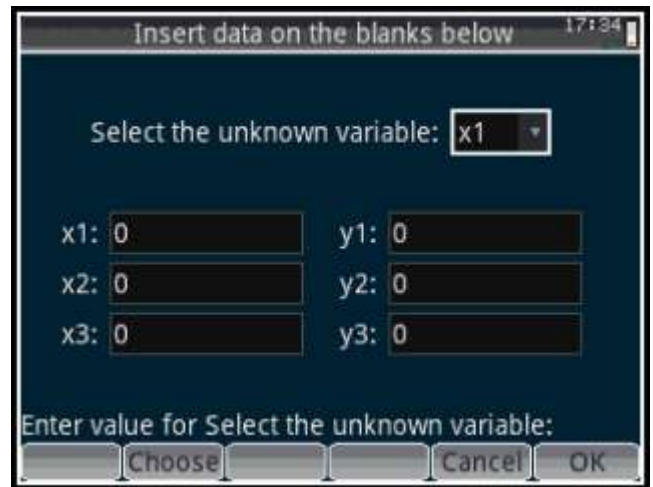


## Interpolator v1.0

Hi there

This program is my first attempt to create a program for the HP Prime and coding in general. The program itself is really simple it just uses the concept of the equation of the line passing through two different points and then finding the upper, lower or inner points.

As soon as I learn new commands I will update the program as well as the interface. Feel free of modifying the code according to your needs and if it really improves it please let me know.



Hola

Este programa es mi primer intento de crear un programa para la Hp Prime. El programa en si es bastante simple, utiliza el concepto de la ecuación de la recta que pasa por dos puntos y así poder encontrar los puntos superior, medio o inferior.

En cuanto aprenda a utilizar algunos otros comandos actualizaré el mismo. Si deseas modificar el código siente libre de hacerlo, es más si lo mejoras por favor házmelo saber.

```
Content: Interpolator v1*
1 EXPORT Interpolator()//v1.0
2 BEGIN
3 PRINT();
4 LOCAL A,B,C,D,E,F;
5 LOCAL G;
6 LOCAL X;
7
8 INPUT({G,{ "x1", "x2", "x3", "y1", "y2", "y3"}, {70,15,1}},
9 {A,{0},{15,30,3}}, {B,{0},{60,30,3}},
10 {C,{0},{15,30,4}}, {D,{0},{60,30,4}},
11 {E,{0},{15,30,5}}, {F,{0},{60,30,5}} },
12 "Insert data on the blanks below",
13 {"Select the unknown variable: ", "x1: ", "y1: ", "x2: ", "y2: ", "x3: ", "y3: "}
14 );
15
16 CASE
17 IF G==1 THEN
18 X:=((B*C-B*E-C*F+D*E)/(D-F));
19 PRINT("x1= "+X);
20 END;
21
22 IF G==2 THEN
23 X:=((A*D-A*F+B*E-D*E)/(B-F));
24 PRINT("x2= "+X);
25 END;
26
27 IF G==3 THEN
28 X:=((A*D-A*F-B*C+C*F)/(D-B));
29 PRINT("x3= "+X);
30 END;
31
32 IF G==4 THEN
33 X:=((A*D-A*F+C*F-D*E)/(C-E));
34 PRINT("y1= "+X);
35 END;
36
37 IF G==5 THEN
38 X:=((A*F+B*C-B*E-C*F)/(A-E));
39 PRINT("y2= "+X);
40 END;
41
42 IF G==6 THEN
43 X:=((A*D-B*C+B*E-D*E)/(A-C));
44 PRINT("y3= "+X);
45 END;
46 END;
47 END;
```

Ciao

Questo è la prima prova che faccio a scrivere un programma per la HP Prime. Il programma in sé molto semplice, utilizza il concetto della equazione della retta passante per due punti, in questo modo si può trovare i punti superiore, basso o medio.

Sentite libero di modificare il codice e avesse qualsiasi miglioramento fammelo sapere.

Salut

Celle-ci est mon premier programme pour la HP Prime. Le code est très facile il utilise l'équation d'une droite passant par deux points de cette manier le code trouve les points supérieurs, inférieurs ou intermédiaire.

Dès que j'apprendre de nouvelles commandes je vais mettre à jour le programme, ainsi que l'interface. Sente-toi libre de modifier le code selon vos besoins et si elle améliore s'il te plaît laisse-moi savoir.

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