#include <conio.h>

#include <iostream>

using namespace std;

int main()

{

 int n(0);

 double x=4.1,a,b,c,y=0;

 a=b=3; c=n;

 while (n<=5)

 { n=n+1;

 if (n==2)

 { x=x+2.2; c=3.1; }

 if (n<3 || x<=4)

 { y=a\*x-b\*y+c;

 cout<<endl<<n<<" fx = "<<y<<" "<<x<<endl;

 }

 else if (n>=3 && x<5)

 { cout<<"a + c "<<n+3<<endl;

 n=n-2; y=-y;

 }

 else

 { n=n+2; x=x-2;

 cout<<endl<<n<<" y+2 = "<<y<<" "<<x<<endl;

 }

 if (n == 4) break;

 cout<<"\n<><><><><>\n";

 }

 cout<<"\nThe End";

 getch(); return 0;

}