```matlab
function [ x,y,z ] =o050606( a,b,c,N )
x=zeros(1,N);
y=zeros(1,N);
z=zeros(1,N);
x(1)=a;
y(1)=b;
z(1)=c;
u=[a;b;c];
for n=1:N-1
    v=[x(n)^2+y(n)^2+z(n)^2-9;x(n)^2-y(n)^2+2*z(n)^2-1;
        x(n)+y(n)+(10)*z(n)-1];
    A=[2*x(n),2*y(n),2*z(n);
        2*x(n),-2*y(n),4*z(n);1,1,10];
    u=u-A\v;
    x(n+1)=u(1);
    y(n+1)=u(2);
    z(n+1)=u(3);

end
```