

```
function [ x,y ] =o050605( a,b,N )
x=zeros(1,N);
y=zeros(1,N);
x(1)=a;
y(1)=b;
u=[a;b];
for n=1:N-1
    v=[exp(x(n)+y(n))-sin(x(n)-y(n));y(n)^2-x(n)^2-1];
    A=[exp(x(n)+y(n))-cos(x(n)-y(n)),exp(x(n)+y(n))+cos(x(n)-y(n));
        -2*x(n),2*y(n)];
    u=u-A\v;
    x(n+1)=u(1);
    y(n+1)=u(2);
end
```