```
n=1 ;
for j=order^2+1:order^2+order
        Wyx(n)=z(t,j);
        n=n+1;
       end
       %-----------Wxu
       n=1;
        for j=order^2+order+1:order^2+2*order
          Wxu(n)=z(t,j);
         n=n+1;
        end
   Esum=0.0;
   xold=zeros(order,1);xcold=zeros(order,1);
   R=0;
    for j=1:N
        R=R+1;
        xcnew=xold;
        xnew=(Wxc*xcnew+Wxu'*u(j));
        y=Wyx*xnew;
        e=yd(j)-y;
       Esum=Esum+0.5*e^2;
        if Esum>1e+10
           break
        end
        xold=xnew;xcold=xcnew;
      end
   fit(t)=Esum/R;
 end
```