%Overlap save

clc;

clear all;

close all;

X=input('enter first input sequence: ')

Lx=length(X);

h=input('enter second input sequence: ')

M=length(h);

L=input('no of Data inputs: ')

N=L+M-1;

r=rem(Lx,L);

X=[X zeros(1,L-r)];

h=[h zeros(1,L-1)];

Lnew=length(X)

nr=Lnew/L

for (k=1:nr)

ma(k,:)=X(((k-1)\*L)+1:k\*L);

if(k==1)

ma1(k,:)=[zeros(1,(M-1)) ma(k,:)];

else

ma1(k,:)=[ma((k-1),L-M+2:L) ma(k,:)];

end

disp(ma1(k,:));

ma2(k,:)=ifft(fft(ma1(k,:)).\*fft(h))

end

ma3=ma2(:,M:L+M-1);

disp('ma3');

disp(ma3);

y1=(ma3)'

Y=y1(:)'