/\*

\* main.c

\*/

**#define** CHIP\_6713 1

**#include** "dsk6713.h"

**#include**<stdio.h>

**#include** "dsk6713\_aic23.h"

**#include**<math.h>

**#define** N 10

**float** x[N],yt[N],yim[N];

**void** **main**()

{

**int** i,n,j,h;

**float** ic1=1,ic2=-1;

**printf**(" input sequence is: \n ");

**for**(i=0;i<N;i++)

{

x[i]=**pow**(0.5,i);

**printf**("%f\n",x[i]);

}

yt[0]=(-2.0\*ic1)-(3.0\*ic2)+x[0];

yt[1]=(-2.0\*yt[0])-(3.0\*ic1)+x[1];

**for**(j=2; j<N;j++){

yt[j]=(-2.0\*yt[j-1])-(3.0\*yt[j-2])+x[j];

}

**printf**(" the total response is: \n ");

**for** (h=0; h<N;h++) **printf**(" %f \n ",yt[h]);

}

/\*

\* main.c

\*/

**#define** CHIP\_6713 1

**#include** "dsk6713.h"

**#include**<stdio.h>

**#include** "dsk6713\_aic23.h"

**#include**<math.h>

**#define** N 10

**float** x[N],yt[N],yim[N];

**void** **main**()

{

**int** i,n,j,h;

**float** ic1=0,ic2=-0;

x[0]=1;

**printf**(" input sequence is: \n ");

**printf**("%f",x[0]);

**for**(i=1;i<N;i++)

{

x[i]=0;

**printf**("%f\n",x[i]);

}

yt[0]=(-2.0\*ic1)-(3.0\*ic2)+x[0];

yt[1]=(-2.0\*yt[0])-(3.0\*ic1)+x[1];

**for**(j=2; j<N;j++){

yt[j]=(-2.0\*yt[j-1])-(3.0\*yt[j-2])+x[j];

}

**printf**(" the total response is: \n ");

**for** (h=0; h<N;h++) **printf**(" %f \n ",yt[h]);

}

**#define** CHIP\_6713 1

**#include** "dsk6713.h"

**#include**<stdio.h>

**#include** "dsk6713\_aic23.h"

**#include**<math.h>

**void** **main**(**void**) {

**int** ly,lh,lx,n,k,q,w,e;

**float** x[1000],h[1000],y[1000];

**printf**("enter the length of x:\n");

**scanf**("%d",&lx);

**printf**("enter the length of y:\n");

**scanf**("%d",&ly);

**printf**("enter the sequence of x:\n");

**for** (e=0; e<lx;e++){

**scanf**("%f",&x[e]);

}

**printf**("enter the sequence of y:\n");

**for** ( w=0; w<ly;w++){

**scanf**("%f",&y[w]);

}

**for** (n=0; n<ly;n++){

**for** ( k=0; k<lx;k++){

**if** (n-k>=0 && n-k<lh){

y[n]=y[n]\*x[n]\*h[n-k];

}

}

}

**for**(q=0;q<ly;q++){

**printf**("%f\n",y[q]);

}

}