

Muhammet Kayra Bulut 20011901 Ödev_2

Kodum

```
Fs=20000;  
f0=100;  
Ts=1/Fs;  
t=0:Ts:0.04;  
x2=6113*cos(2*pi*2*f0*t+1.508);  
x4=x2+14708*cos(2*pi*4*f0*t+1.877);  
x5=x4+24418*cos(2*pi*f0*t*5-0.185);  
x16=x5+6811*cos(2*pi*16*f0*t-1.449);  
x17=x16+2362*cos(2*pi*17*f0*t);  
subplot(5,1,1);  
plot(t,x2,'Linewidth',3);  
title('x2');  
subplot(5,1,2);  
plot(t,x4,'Linewidth',3);  
title('x4+x5');  
subplot(5,1,3);  
plot(t,x5,'Linewidth',3);  
title('x5+x4+x2');  
subplot(5,1,4);  
plot(t,x16,'Linewidth',3);  
title('x16+x5+x4+x2');  
subplot(5,1,5);  
plot(t,x17,'Linewidth',3);  
title('x17+x16+x5+x4+x2');  
sound(x17,Fs);
```

