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Kodum

```
clear all
clc

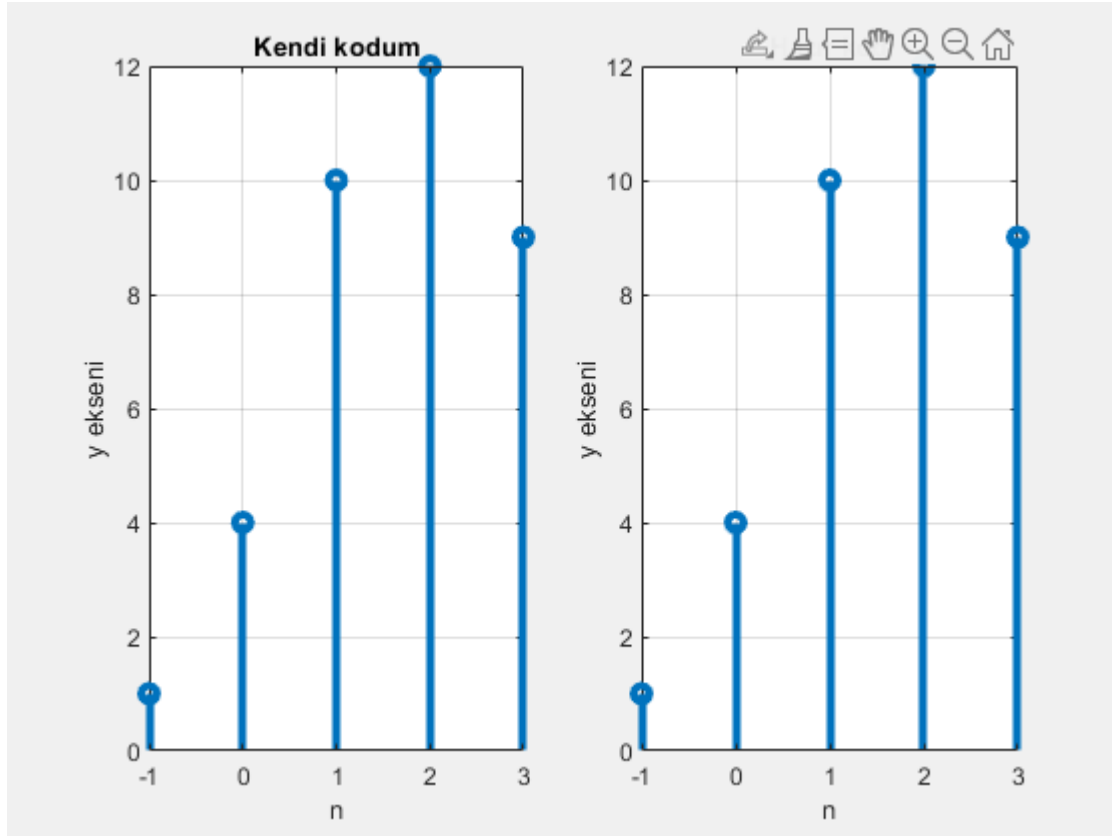
n=input('Lutfen ilk isaretin eleman sayisini giriniz');
k=input('Lutfen ilk isaretin ilk elemaninin yatay degerini giriniz');
m=input('Lutfen ikinci isaretin eleman sayisini giriniz');
l=input('Lutfen ikinci isaretin ilk elemaninin yatay degerini giriniz');

for i=1:1:n
    fprintf('Lutfen ilk isaretin %d elemanini giriniz',i);
    x(i)=input('');
end
for i=1:1:m
    fprintf('Lutfen ikinci isaretin %d elemanini giriniz',i);
    y(i)=input('');
end
yln=conv(x,y);
for i=1:1:m+n-1
    if i>m
        y(i)=0;
    end
    if i>n
        x(i)=0;
    end
end
cks=k+1:k+1+m+n-2;
for i=1:1:m+n-1
    grs(i)=0;
end
for i=1:1:m+n-1
    for j=1:1:i
        if j<=m && i-j+1<=n
            grs(i)=grs(i)+x(i-j+1)*y(j);
        end
    end
end

figure(1);
subplot(1,2,1);
stem(cks,grs,'Linewidth',3);
grid on
xlabel('n');
ylabel('y eksenini');
title('Kendi kodum');
subplot(1,2,2);
stem(cks,yln,'Linewidth',3);
grid on
xlabel('n');
ylabel('y eksenini');
title('Hazır kod');
cat(1,x,y,grs,yln)
```

1. Örnek

$x[1,2,3]$ $y[1,2,3]$

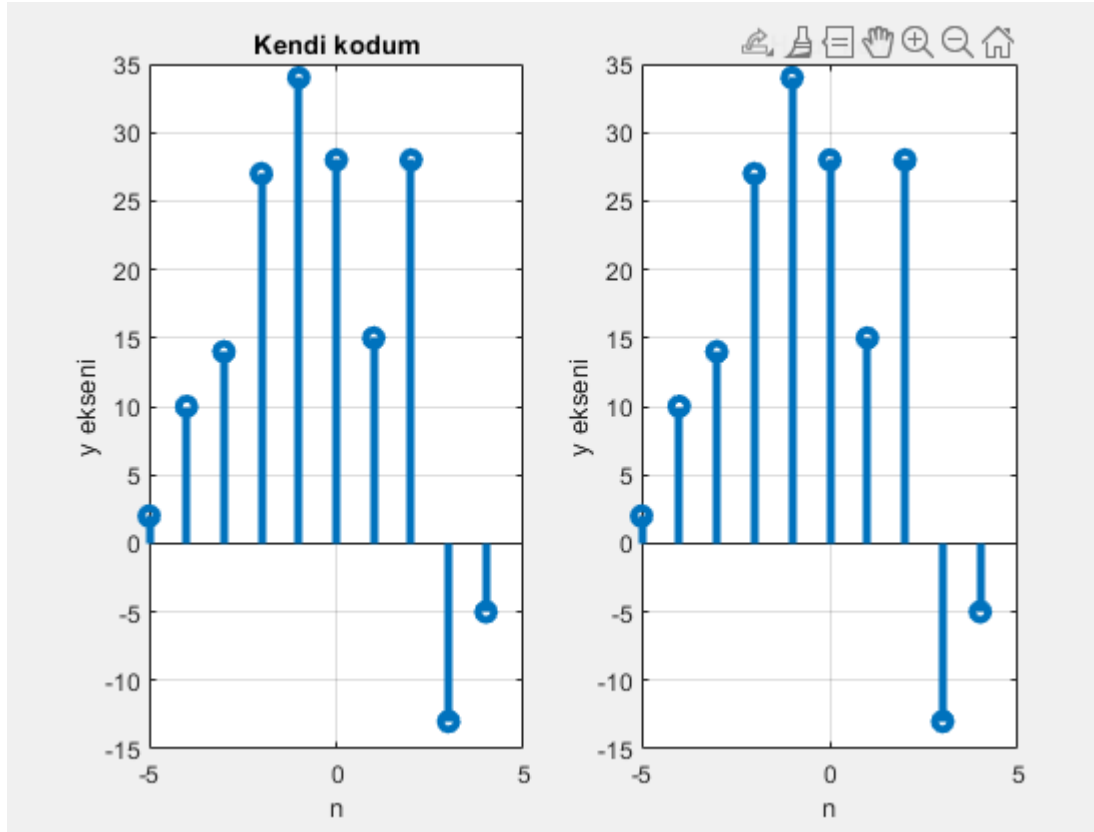


ans =

$x[n]$	<u>1</u>	<u>2</u>	3	0	0
$y[n]$	<u>1</u>	<u>2</u>	3	0	0
$y[n]*x[n]$	<u>4</u>	10	12	9	
$y[n]*x[n]$	4	10	12	9	

2. Örnek

$x[2,4,6,7,5,-3,-1]$ $y[1,3,-2,5]$

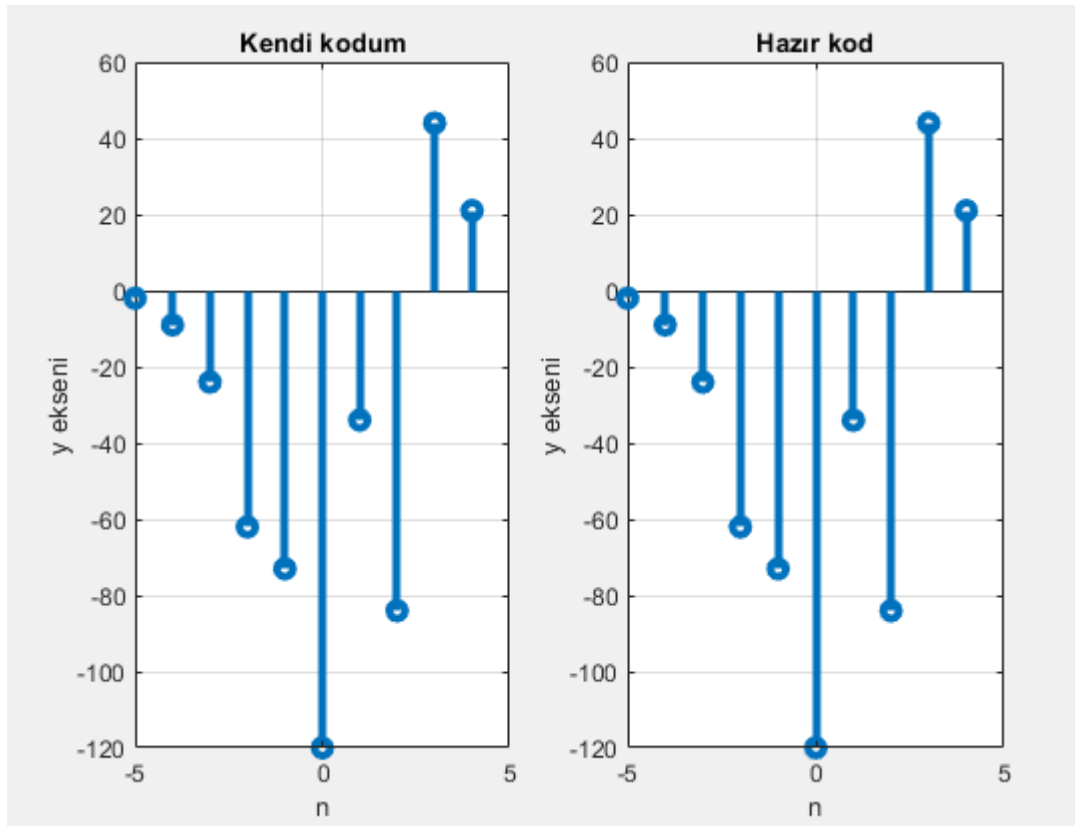


ans =

$x[n]$	2	4	<u>6</u>	<u>7</u>	5	-3	-1	0	0	0
$y[n]$	1	3	-2	5	0	0	0	0	0	0
$x[n]*y[n]$	2	10	14	27	34	<u>28</u>	15	28	-13	-5
$x[n]*y[n]$	2	10	14	27	34	28	15	28	-13	-5

3. Örnek

$x[1,3,5,17,2,21]$ $y[-2,-3,-5,2,1]$



`ans =`

$x[n]$	<u>1</u>	3	5	17	2	<u>21</u>	0	0	0	0
$y[n]$	-2	-3	-5	2	1	0	0	0	0	0
$x[n]*y[n]$	-2	-9	-24	-62	-73	<u>-120</u>	-34	-84	44	21
$x[n]*y[n]$	-2	-9	-24	-62	-73	<u>-120</u>	-34	-84	44	21