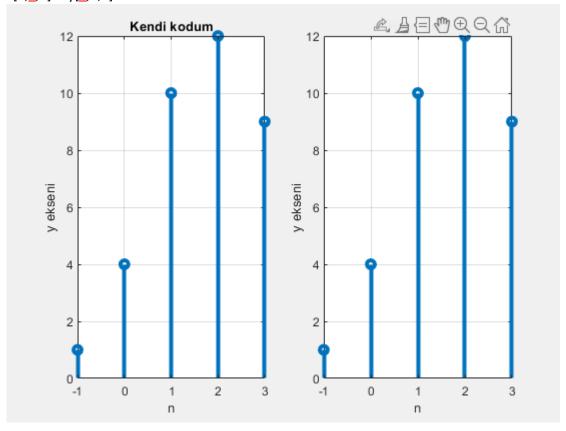
## Kodum

```
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('');
for i=1:1:m
    fprintf('Lutfen ikinci isaretin %d elemanini giriniz',i);
    y(i)=input('');
end
y1n=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</pre>
        grs(i) = grs(i) + x(i-j+1) * y(j);
    end
end
figure(1);
subplot(1,2,1);
stem(cks, grs, 'Linewidth', 3);
grid on
xlabel('n');
ylabel('y ekseni');
title('Kendi kodum');
subplot(1,2,2);
stem(cks,y1n,'Linewidth',3);
grid on
xlabel('n');
ylabel('y ekseni');
title('Hazır kod');
cat(1,x,y,grs,yln)
```

## 1. Örnek

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

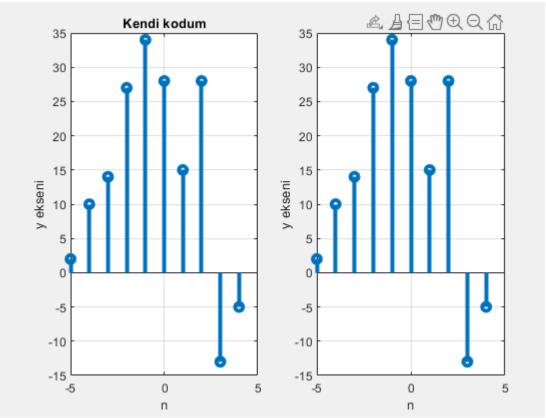


ans =

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

## 2. Örnek

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

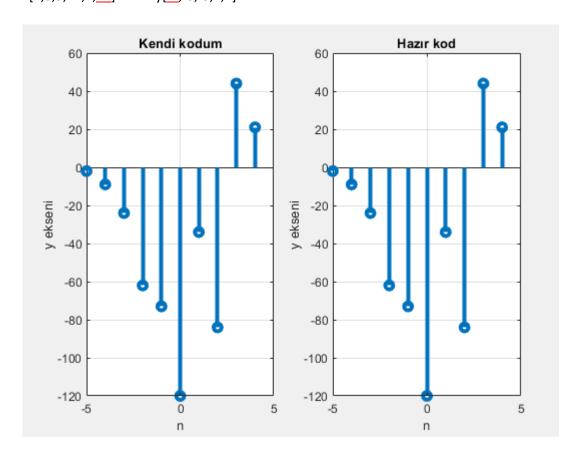


ans =

x[n]	2	4	6	7	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	28	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,<mark>21</mark>] y[-2,-3,-5,2,1]



ans =

x[n]	1	3	5	17	2	21	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	-120	-34	-84	44	21
x[n]*y[n] -	-2	-9	-24	-62	-73	-120	-34	-84	44	21