

```

1  n=0:1:10;
2  yz1= -1;
3  yz2= 1;
4  y1=yz2;
5  for i=1:10
6      yz=(0.25*yz2)-(0.5*yz1);
7      y1=[y1,yz]
8      yz1=yz2
9      yz2=yz
10 end
11 stem(n,y1)
12
13 figure;
14 yzs1=0;
15 yzs2=0;
16 y2=yzs2;
17 for i=1:10
18     yzs=0.25*(0.25*yzs2)-(0.5*yzs1)
19     y2=[y2,yzs]
20     yzs1=yzs2
21     yzs2=yzs
22 end
23 stem(n,y2)
24
25 figure;
26 yo1=-1;
27 yo2=1;
28 y3=yo2;
29 for i=1:10
30     yo=0.25*(0.25*yo2)-(0.5*yo1)
31     y3=[y3,yo]
32     yo1=yo2
33     yo2=yo
34 end
35 stem(n,y3)

```

