

NAME:- DUBEY KARAN SANJEEV
CLASS:- B.E – 4
ROLL NO:- 04
BATCH:- A

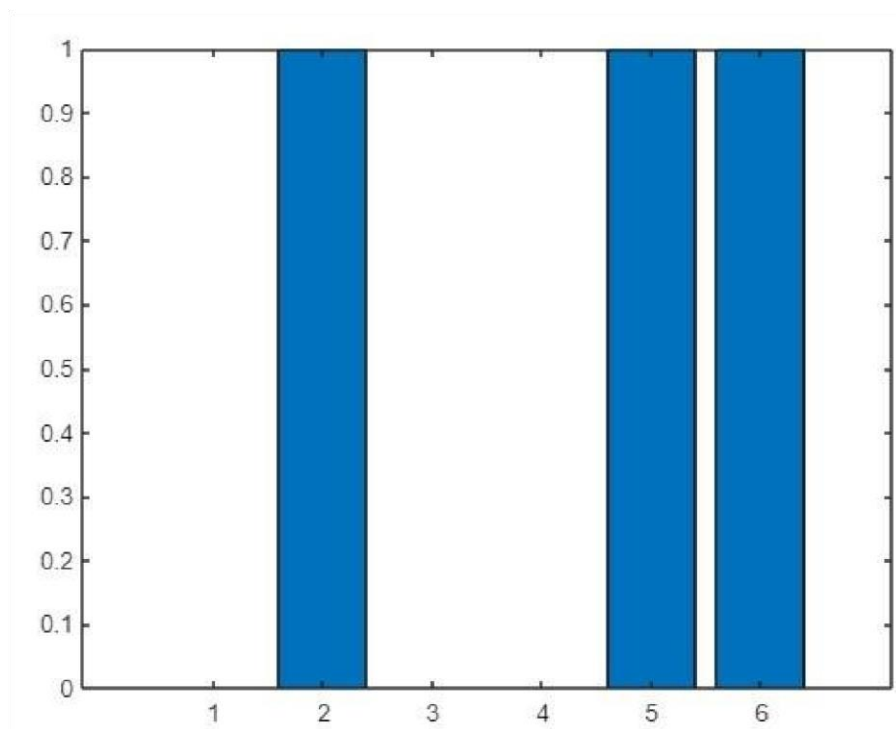
MADT Practical CDMA

Source Code:

```
ak=[0 1 0 0 1 1];  
figure(1) bar(ak) bk=[1 1 0 1 0 1];  
figure(2) bar(bk) ad=1; bd=0;  
d=size(ak);  
for n=1:d(2)  
    if ak(n)==0 ak(n)=-1;  
    elseif bk(n)==0  
        bk(n)=-1;  
    end end if bd==0 bd=-1;  
end if ad==0 ad=-1;  
end as=ad*ak;  
figure(3) bar(as) bs=bd*bk;  
figure(4) bar(bs) c=as+bs;  
figure(5) bar(c) x=c*ak';  
if x>0 disp("1 is sent by A.")  
else disp("0 is sent by A.")  
end y=c*bk';  
if y>0 disp("1 is sent by B.")  
else disp("0 is sent by B.")  
end
```

Output:

```
>>cdma 1 is  
sent by A.  
0 is sent by B
```



Figure

1 (ak)

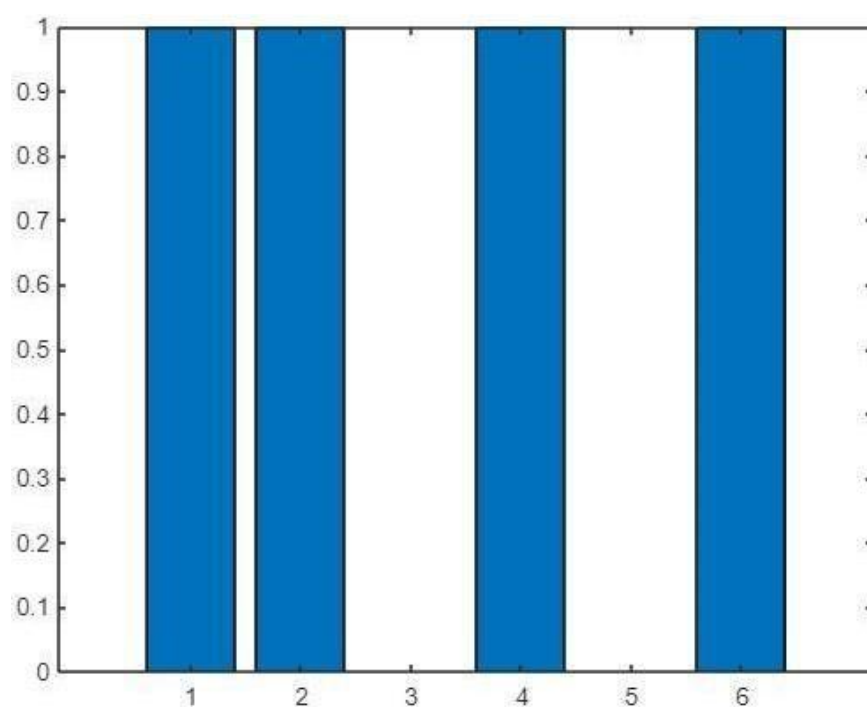


Figure 2 (bk)

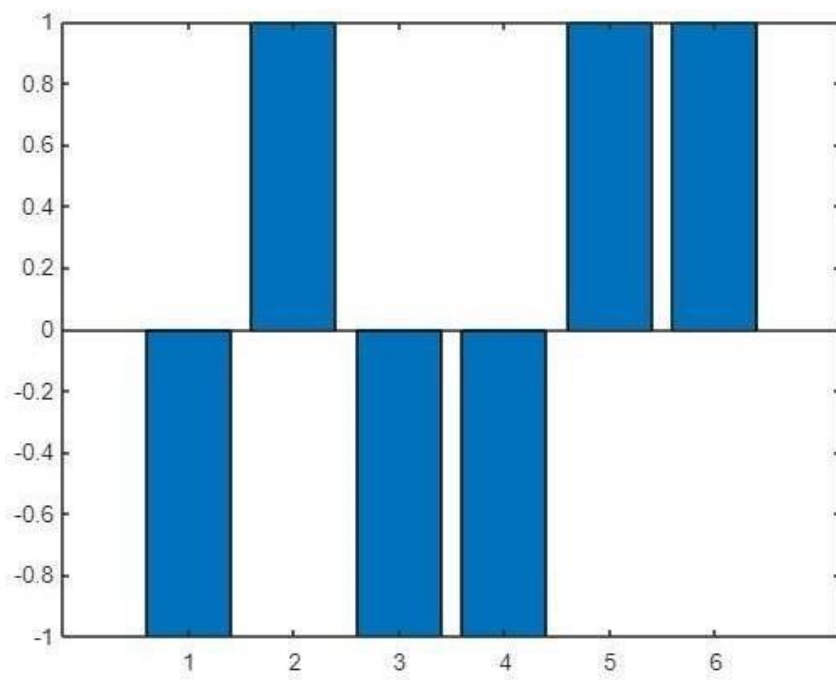


Figure 3 ($as=ad*ak$)

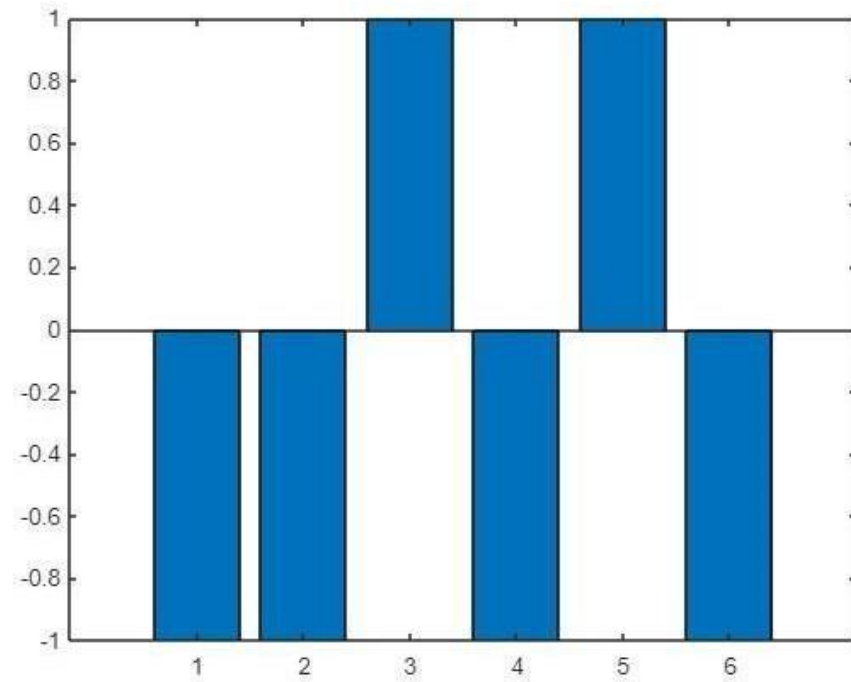


Figure 4 ($bs=bd*bk$)

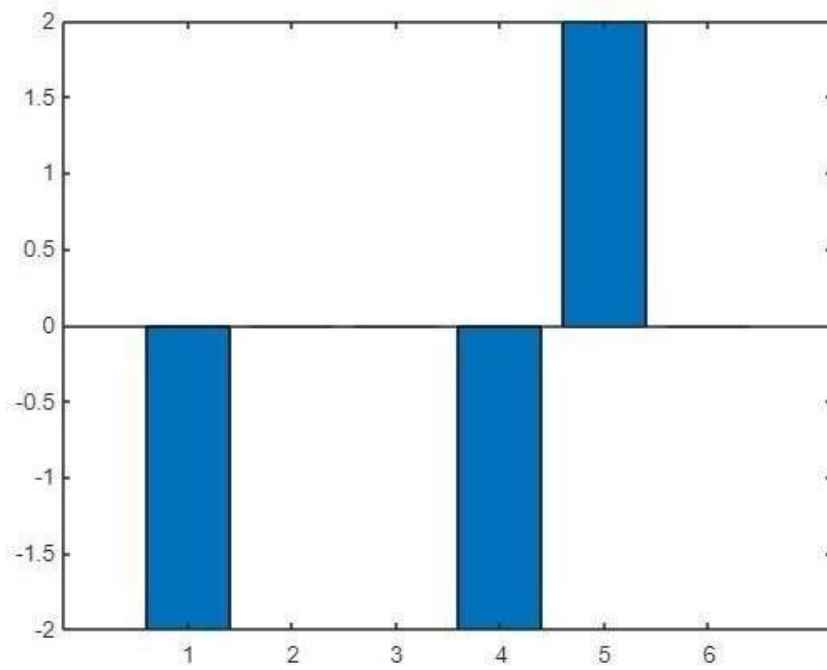


Figure 5 ($c=as+bs$)