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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;

endif 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';

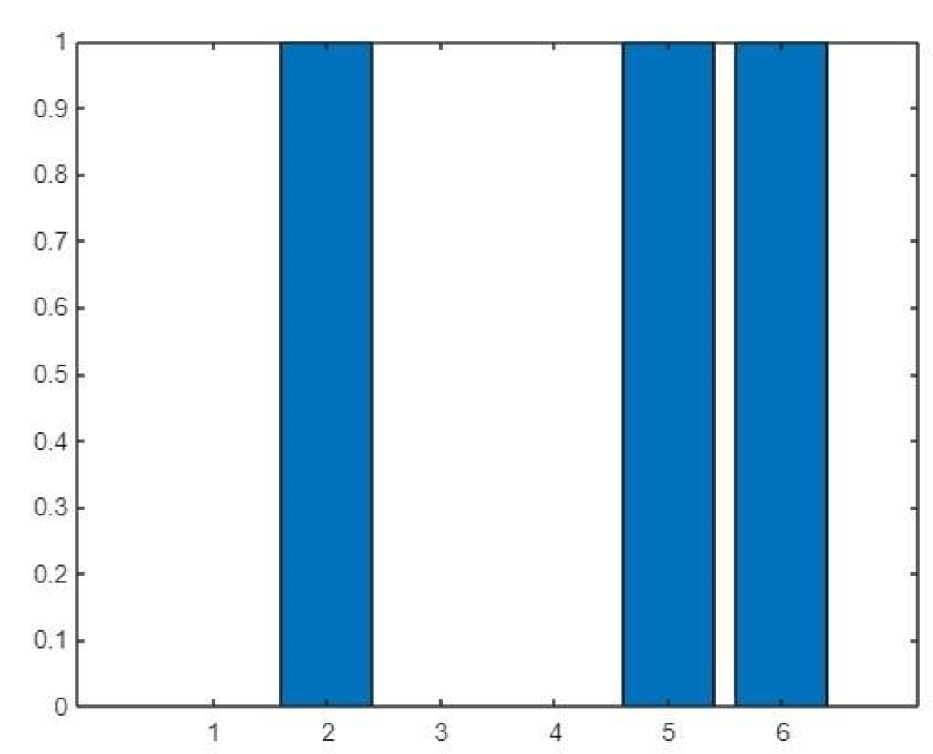
if y>0 disp("1 is sent by B.") else disp("0 is sent by B.")

end

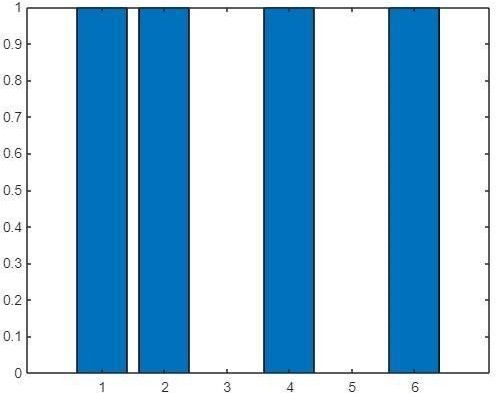
Output:

>>cdma 1 is sent by A.

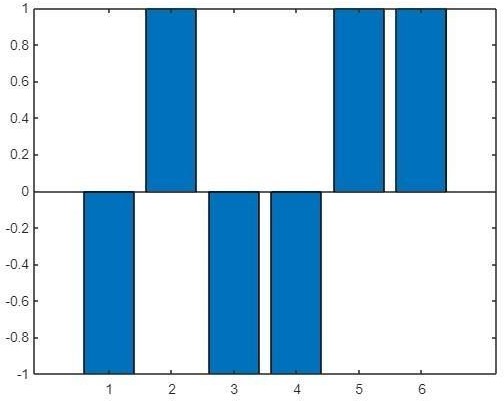
1. is sent by B

**Figure**

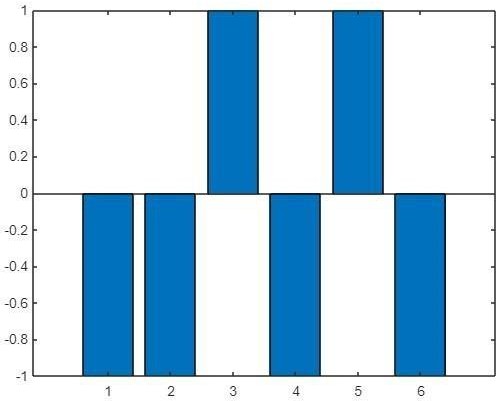
1. **(ak)**



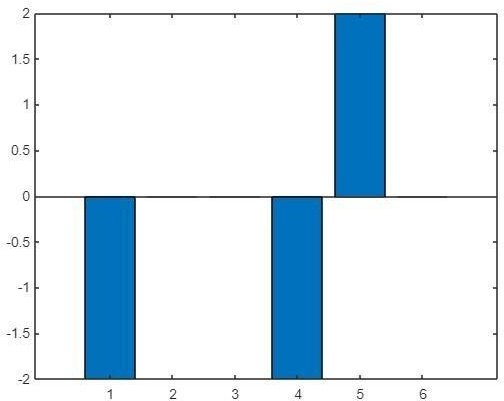
**Figure 2 (bk)**



**Figure 3 (as=ad\*ak)**



**Figure 4 (bs=bd\*bk)**



**Figure 5 (c=as+bs)**