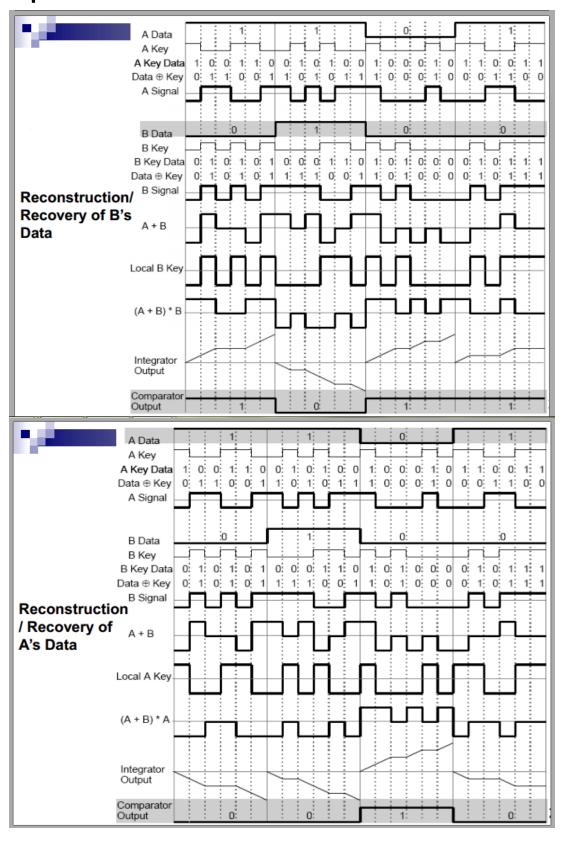
CDMA Multiple bit data MennaAllah Hesham Nour El-deen C.Sys	

1) Functions:

```
void mulEK (int d[1000] , int k[1000] , int Ks, int ss[1000])
Take array of data and multiply it with array of key and save result return in ss array.
void XOR (int d[1000] , int k[1000] , int ds, int ss[1000])
Take two arrays and XOR them in SS array.
void sumAB (int x , int A[1000] , int B[1000] , int AB[1000])
Take to arrays and sum them in one array .
void sum2( int ABK[1000] ,int DataSize, int sum[1000] , int data[1000] )
Summation the array ABK every 6 bit together and set the sum of them in sum
array after that check the sum and assign data array based on the sum .
void assign (string S , int s0 , int s1 , int SS[1000])
Take string and mapped it with value of 0 and 1 and return result in SS array.
void assign2 (int S[1000] , int xs , int s0 , int s1 , int SS[1000])
Take array of integer and mapped it with value of 0 and 1 and return result in
SS array.
void printarr(int x , int X[1000])
to print array on console to test .
int main ()
the main function take input from user and use above function to solve CDMA.
```

2) Example:



```
C:\Windows\system32\cmd.exe
                Sender A :
Enter the value of 0 and 1
-1
Enter Ak
100110010100100010110011
Enter Ad
1101
                Sender B:
Enter the value of 0 and 1
-1
Enter Bk
010101000110101000010111
Enter Bd
0100
Receive signal from sender A:
Ae[0] = -8
Original bit was 1
Ae[1] = -8
Original bit was 1
Ae[2] = 8
Original bit was Ø
Ae[3] = -4
Original bit was 1
                Receive signal from sender B:
Be[0] = 8
Original bit was Ø
Be[1] = -8
Original bit was 1
Be[2] = 8
Original bit was Ø
Be[3] = 4
Original bit was 0
                 ******************************
```