```
Enter text lines, terminate with $
susie says it is easy
SUSIE[SAYS[IT[IS[EASY\
A B C D E F G H I J K L M N O P Q R S T U V W X Y Z [ \ ]
20002000300000000061100020410
Enter first letter of enter, show, code, or decode: s
+22
          +9
                              +13
               +5 S6
    [4
                                    +7
            A2 +3
                                 I3
 -- -- -- T1 +2 -- -- Y2 E2
-----\1U1-----
Enter first letter of enter, show, code, or decode: c
A 010
E 1111
I 110
S 10
T 0110
U 01111
Y 1110
[ 00
\ 01110
Coded message:
110
Enter first letter of enter, show, code, or decode: d
Decoded msg:
SUSIE[SAYS[IT[IS[EASY\
Enter first letter of enter, show, code, or decode:
```

Enter first letter of enter, show, code, or decode: e