In class assignment

1. Three ASCII characters are believed to have been encrypted by the same 8-bit RC4 stream producing the cipher-text bytes:

   C1 = 1 0 0 0 0 0 1 1

   C2 = 1 0 0 1 1 0 1 1

   C3 = 1 0 0 0 1 0 1 0

   If they are all assumed to be decimal digits 0 to 9 or a space as listed in table 1, what are the three digits and what is the 8-bit RC4 stream?