1. Encipher the following using SDES (see class handout)
   * + 1. x = 01010011 using the key k = 0111011001
       2. x’= 11010011 using the key k = 0111011001
2. Note that x and x’ differ by only 1 bit. Comment on how the ciphertexts y and y’ differ. Is that what you would hope would happen with a good cipher? Explain clearly and in detail.