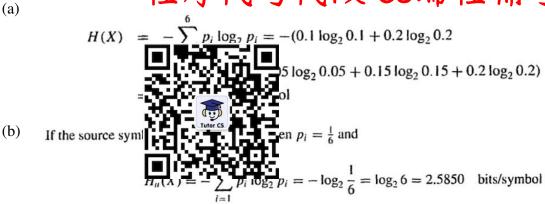
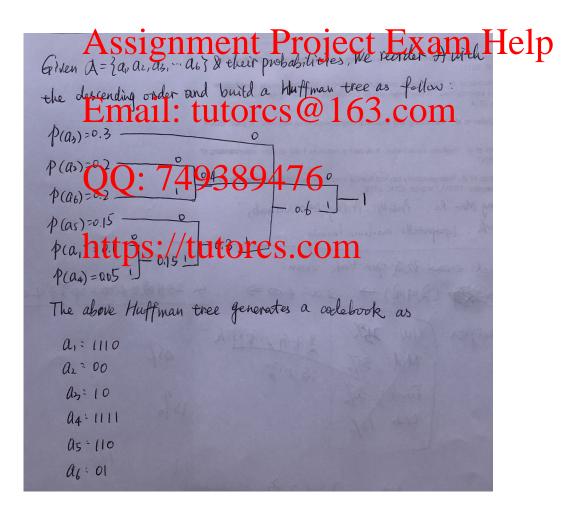
Solution to Homework Assignment 9

Solution to Problem 1: 程序代写代做 CS编程辅导



As it is observed the entropy of the source is less than that of a uniformly distributed source.

Solution to Problem 2:



Solution to Problem 3:

- (a) Not a codeword since the last parity check equation does not hold.
- (b) The decoded information bits are: 0011.

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(c) The coded sequence for 0001 is 0001111. To receive 0011101, errors occur on the 3rd and 6th bits and do not occur on the other 5 bits. The probability is 20.030%. 编程辅导



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