Exercise 7. Answer Sheet

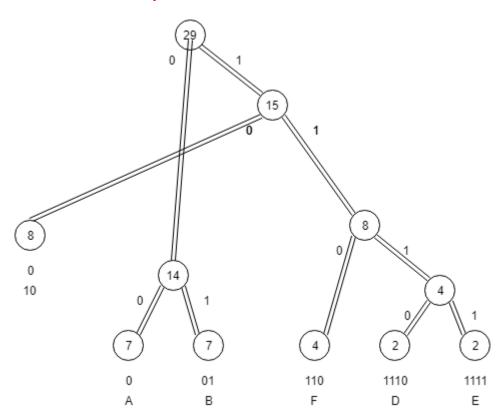
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Problem 1. (20 point) Consider following sequence of letters:

ABBCACCEACBCCFABCDAFEABFFADBBC

a) (10 points) Construct Huffman encoding tree for the above sequence and show it below

Put your answer here



b) (10 points) What is the code for each letter:

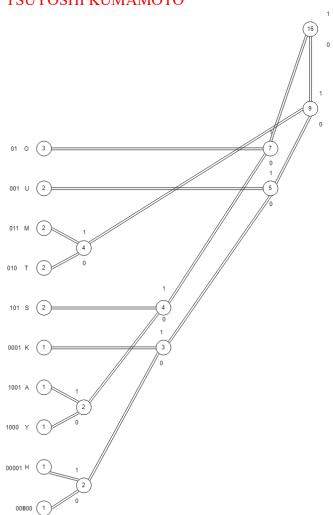
A:0 B:01 C:10 D:1110 E:1111 F:110

Problem 2. (25 points) What is the Huffman code for the following set of frequencies, based on the first 8 Fibonacchi numbers?

A:11111110 B:1111110 C:111110 D:11110 E:1110 F:110 G:10 H:0

Problem 3. (15 points) Write your name in English letters and construct Huffman tree and code for it. Show your tree and code below.

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O:01 U:001 M:011 T:010 S:101 K:0001 A:1001 Y:1000 H:00001 I:00000

Problem 4. example.	(40 points)	Make a progra	am implementi	ng Huffman e	ncoding. Uplo	oad your code	with usage