Final Exercise

Write a function to produce huffman codes for a set of weights.

The following demands must be satisfied:

(1) The function prototype should be like this: void HuffmanCode(double weights[], int size);

(2) Inside the function, a variable like char \*\*hcodes should be declared, and the space for huffman codes must be allocated dynamically using new[] operation;

(3)When building huffman tree, a minimum heap must be created by repeating the adjustDown() operation;

(4) After outputting all the huffman codes, the dynamically allocated space must be released;

(5) A template in attachment is provided. You must downloaded it, print it, fill in it, and hand it in. Meanwhile, a compressed file is also required to be sent to zuolinchen@126.com.