

DM HW6

3, 14.

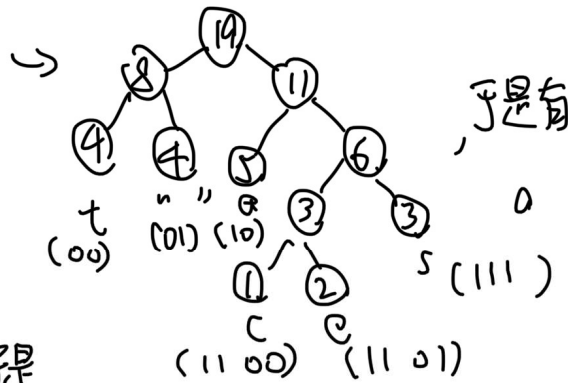
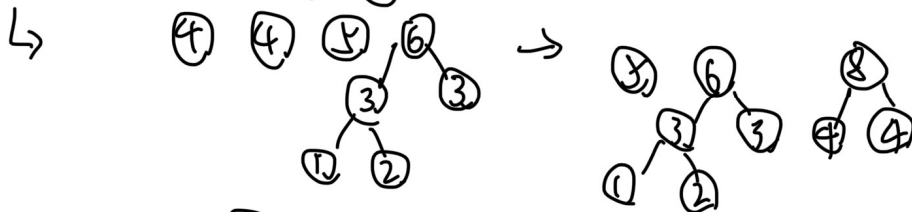
14, S = "state act on seat".

解:

(a). 字符: a, c, e, s, t, "

次数: 5, 1, 2, 3, 4, 4.

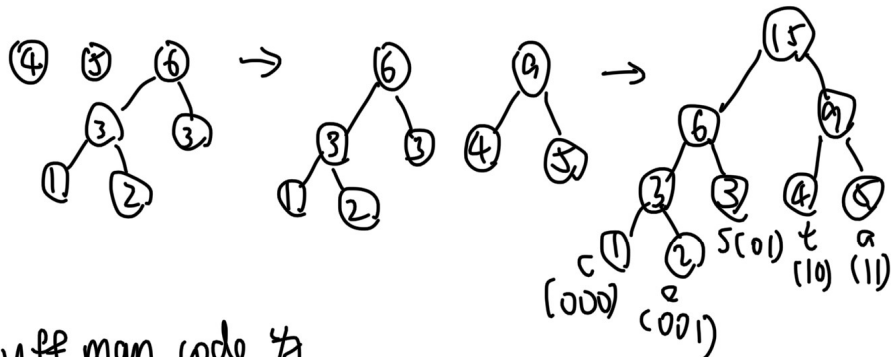
建树: ① ② ③ ④ ④ ⑤



于是

(byte) S = 111 00 10 00 11 01 01 10 11 00 00 01 \ 10 11 01 10 01 11 11 01 10 00

(b). 把 S 的空格字符去除, 其 Huffman Tree 有



Huffman code 为

01 10 11 10 00 11 00 10 11 01 11 01 00 11 10