

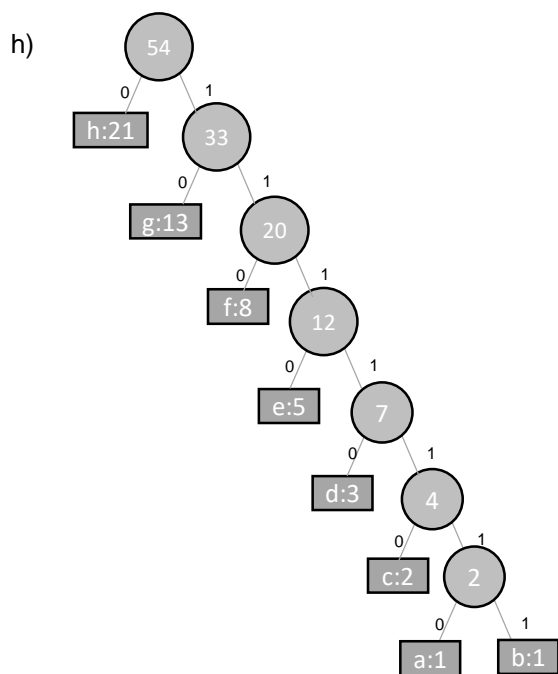
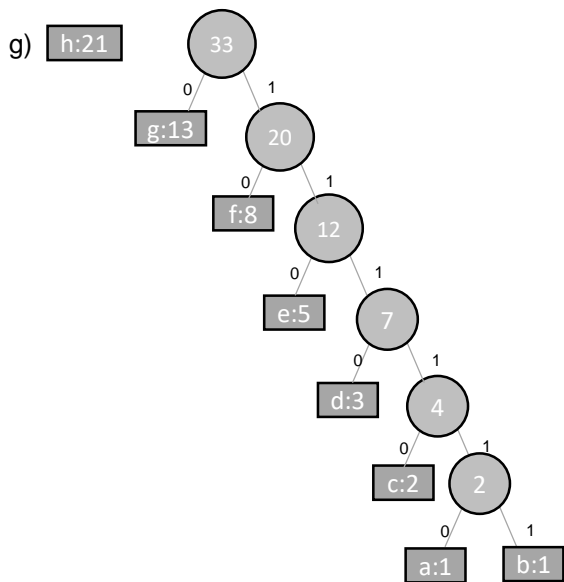
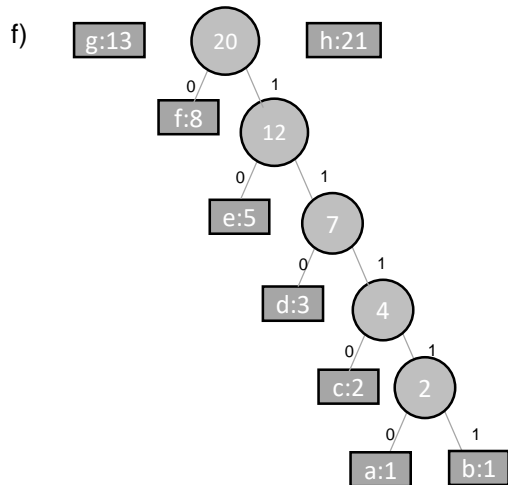
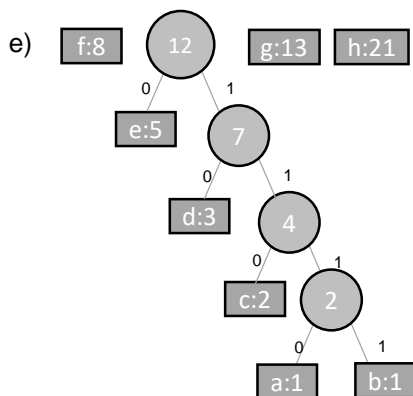
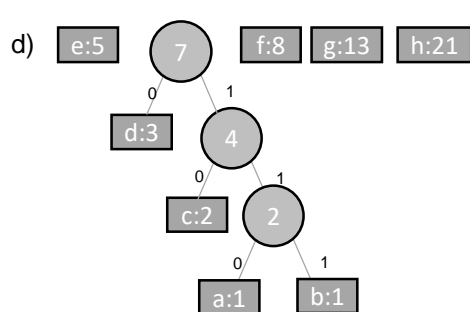
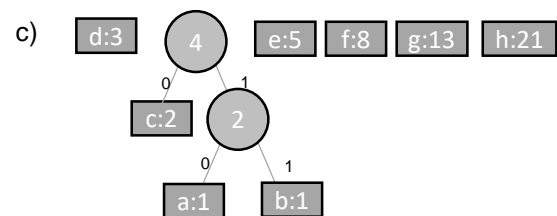
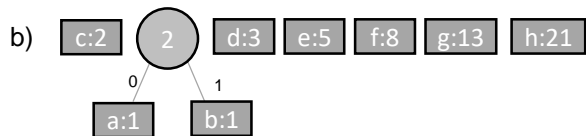
Ejercicio códigos de Huffman

Tinoco Videgaray Sergio

3BV1

Análisis y diseño de algoritmos

15/10/21



A	B	C	D	E	F	G	h
1	1	2	3	5	8	13	21

A	B	C	D	E	F	G	H
1111110	1111111	111110	11110	1110	110	10	0

$$B(T) = \sum_{c \in C} c.freq \cdot d_T(c)$$

54 caracteres* 8 bits= 432 bits sin compresión.

Costo total del árbol optimo de Huffman

1*7+1*7+2*6+3*5+5*4+8*3+13*2+21*1=132 bits.

132 bits con código de Huffman.