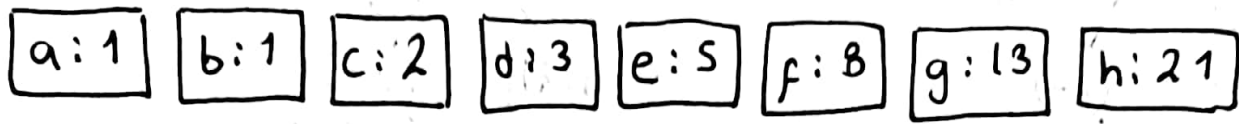
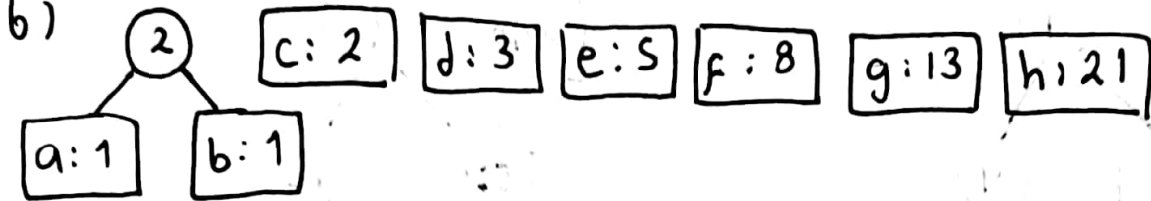


$$1 + 1 + 2 + 3 + 5 + 8 + 13 + 21 = 54 \text{ caracteres}$$

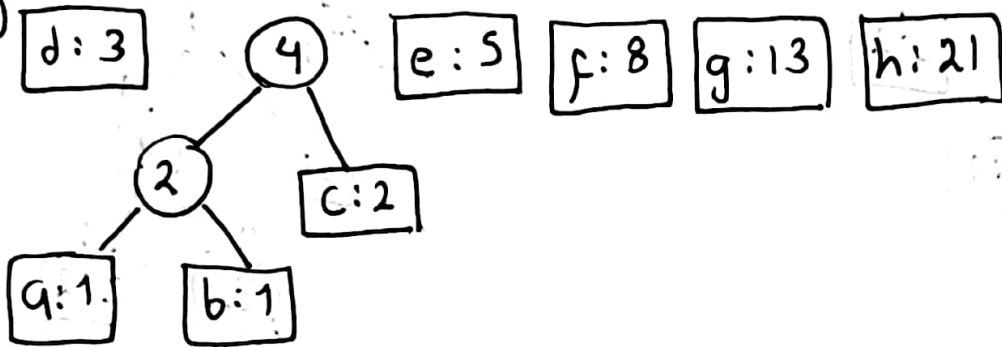
a)



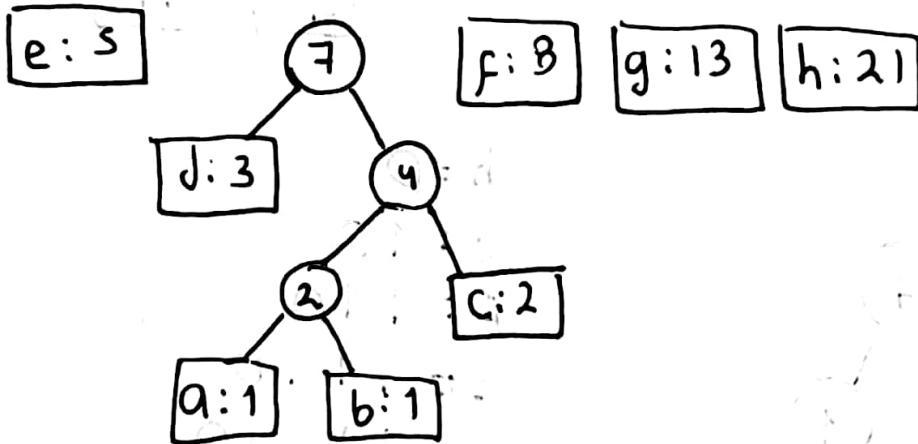
b)



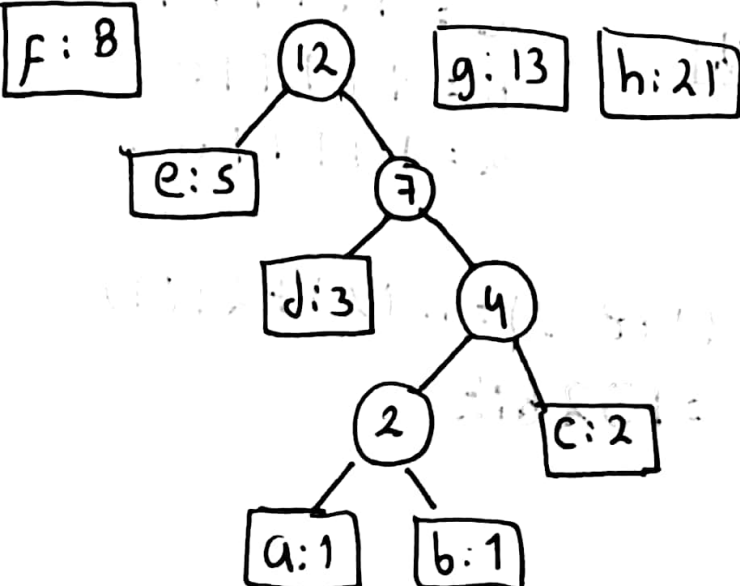
c)

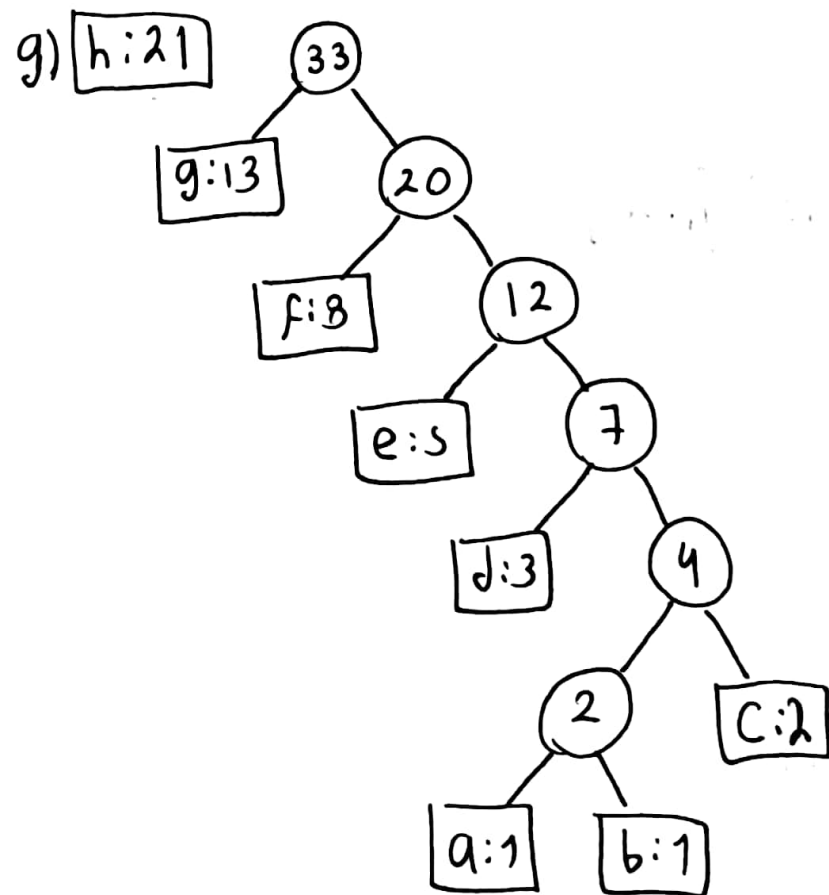
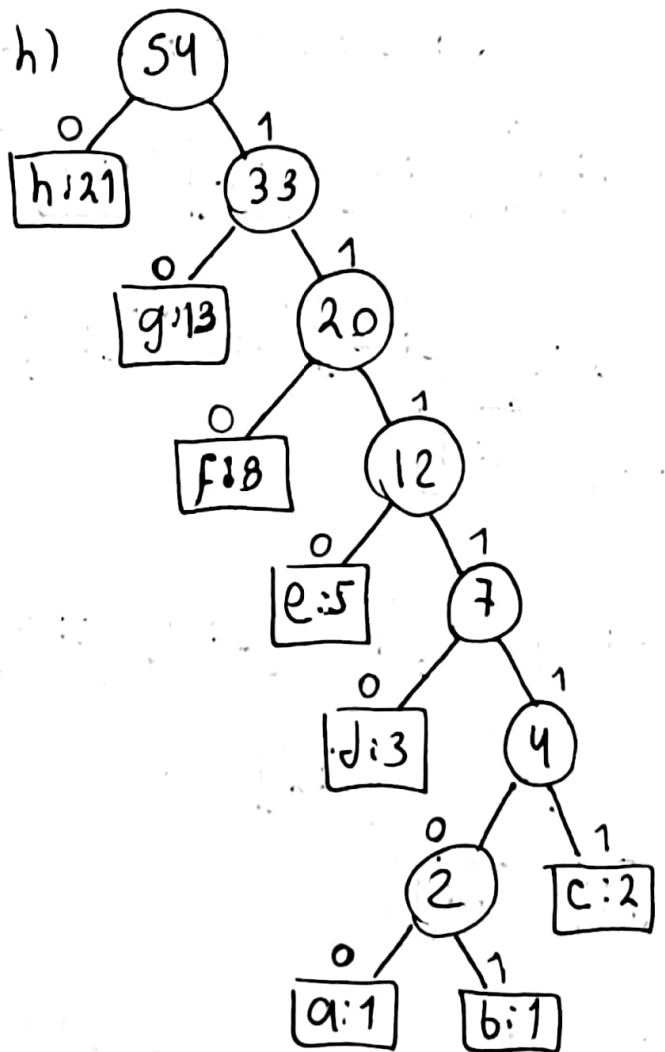
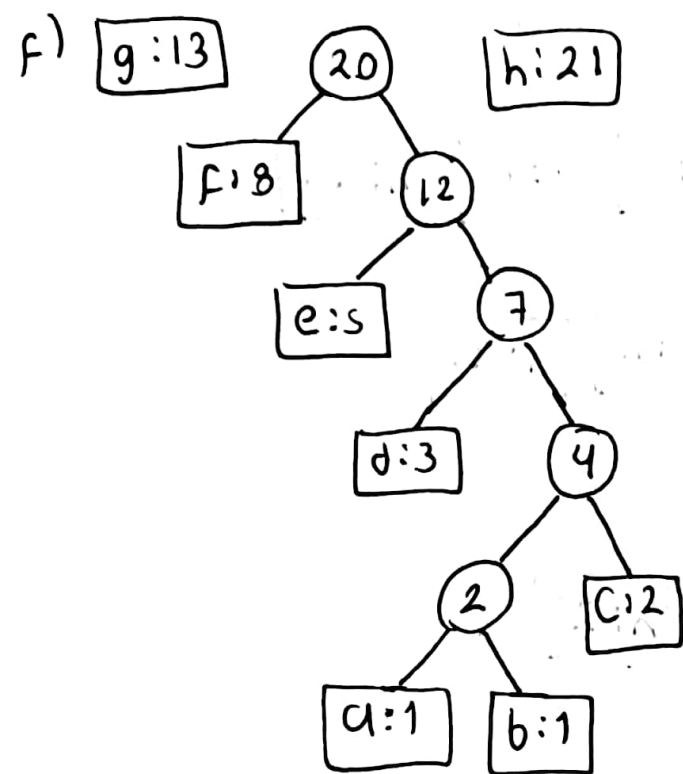


d)



e)





$h = 0$

$g = 10$

$f = 110$

$e = 1110$

$d = 11110$

$c = 111111$

$b = 1111101$

$a = 1111100$

$$1 \cdot (7) + 1(4) + 2(6) + 3(5) + 5(4) + 8(3) + 13(2) + 21(1) \\ 7 + 7 + 12 + 15 + 20 + 24 + 26 + 21 = 132 \text{ bits}$$

a) $a:17$ $b:6$ $c:9$ $d:12$ $e:25$ $f:4$ $g:10$ $h:3$ $i:20$

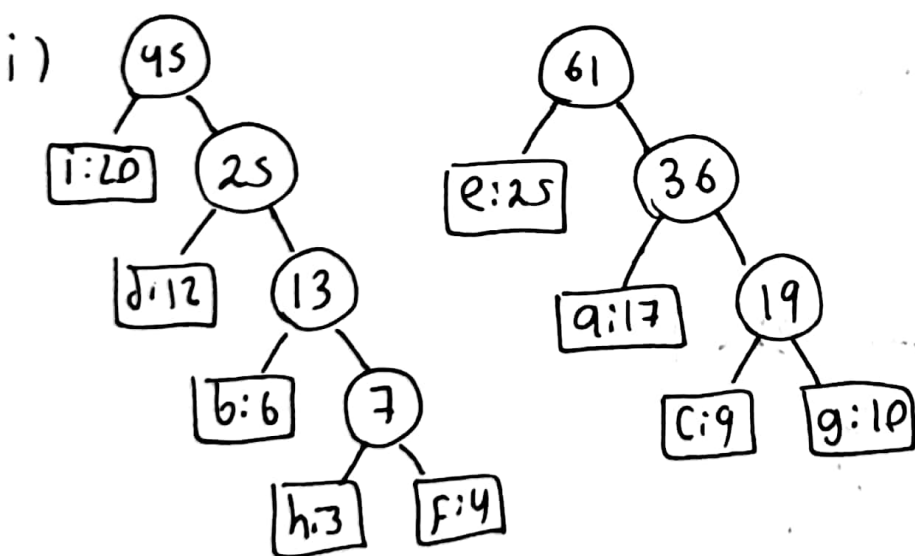
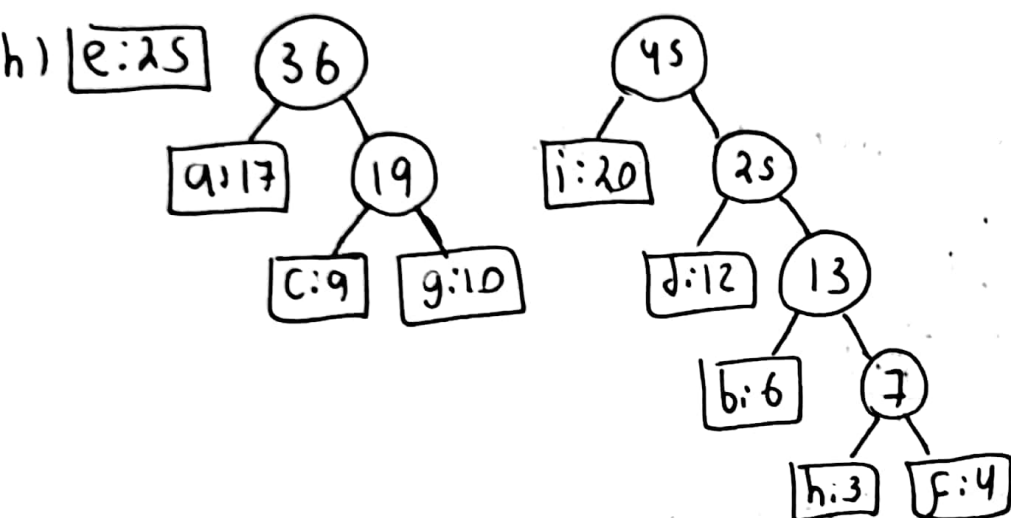
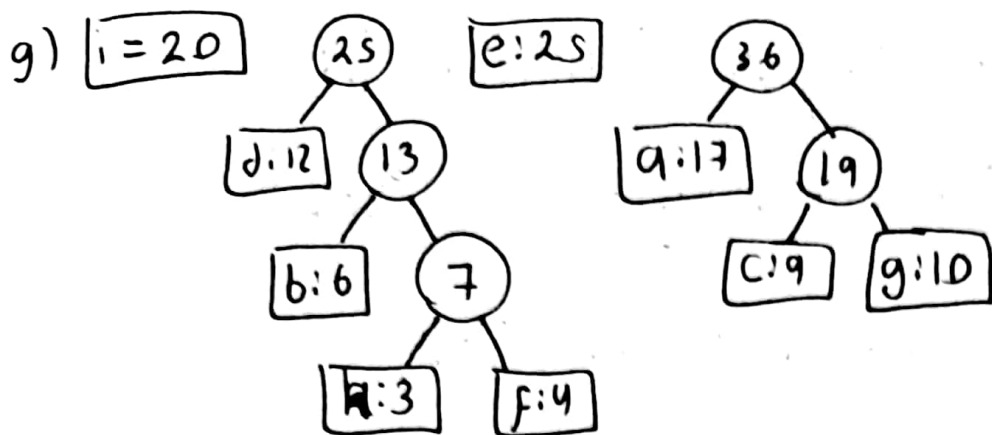
b) $h:3$ $f:4$ $b:6$ $c:9$ $g:10$ $d:12$ $a:17$ $i:20$ $e:25$

c) $b:6$ (7) $c:9$ $g:10$ $d:12$ $a:17$ $i:20$ $e:25$
 $h:3$ $f:4$

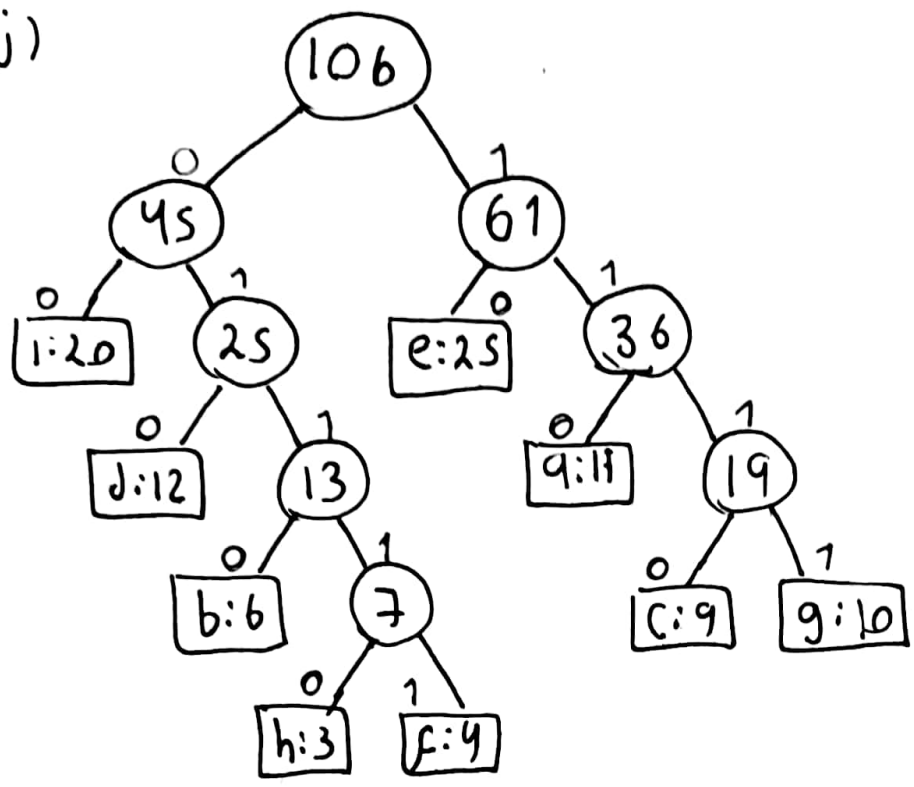
d) $c:9$ $g:10$ $d:12$ (13) $a:17$ $i:20$ $e:25$
 $b:6$ (7)
 $h:3$ $f:4$

e) $d:12$ (13) $a:17$ (19) $i:20$ $e:25$
 $b:6$ (7) $c:9$ $g:10$
 $h:3$ $f:4$

f) $a:17$ (19) $i:20$ (25) $e:25$
 $c:9$ $g:10$ $d:12$ (13)
 $b:6$ (7)
 $h:3$ $f:4$



j)



i = 00

e = 10

d = 010

q = 110

b = 0110

c = 1110

g = 1111

h = 01110

f = 01111

$$3(5) + 4(5) + 6(4) + 9(4) + 10(4) + 12(3) + 17(3) + 20(2) + 25(2)$$

$$15 + 20 + 24 + 36 + 40 + 36 + 51 + 40 + 50 = 312 \text{ bits}$$