

Freq-

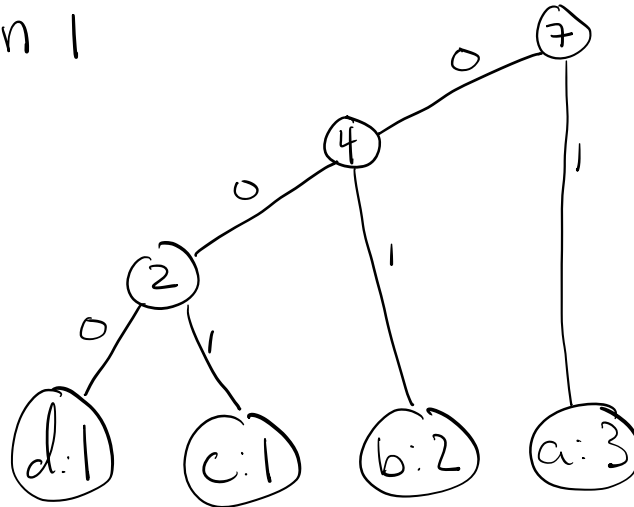
d: 1

c: 1

b: 2

a: 3

Option 1



d	000	$3 \times 1 = 3$
c	001	$3 \times 1 = 3$
b	01	$2 \times 2 = 4$
a	1	$1 \times 3 = 3$
		<hr/>
		total bits 13

Option 2

d	111	$3 \times 1 = 3$
c	110	$3 \times 1 = 3$
b	10	$2 \times 2 = 4$
a	0	$1 \times 3 = 3$
		<hr/>
		total = 13

