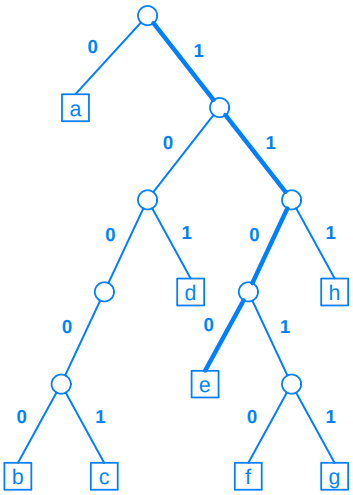
string	prefix	node
0 1 0 1 1	0	a
1 0 0 0 0	1 0 0 0 0	b
1 0 0 0 1	1 0 0 0 1	c
1 0 1 0 1	1 0 1	d
1 1 0 0 1	1 1 0 0	e
1 1 0 1 0	1 1 0 1 0	f
1 1 0 1 1	1 1 0 1 1	g
1 1 1 0 1	1 1 1	h

(a)



(b)