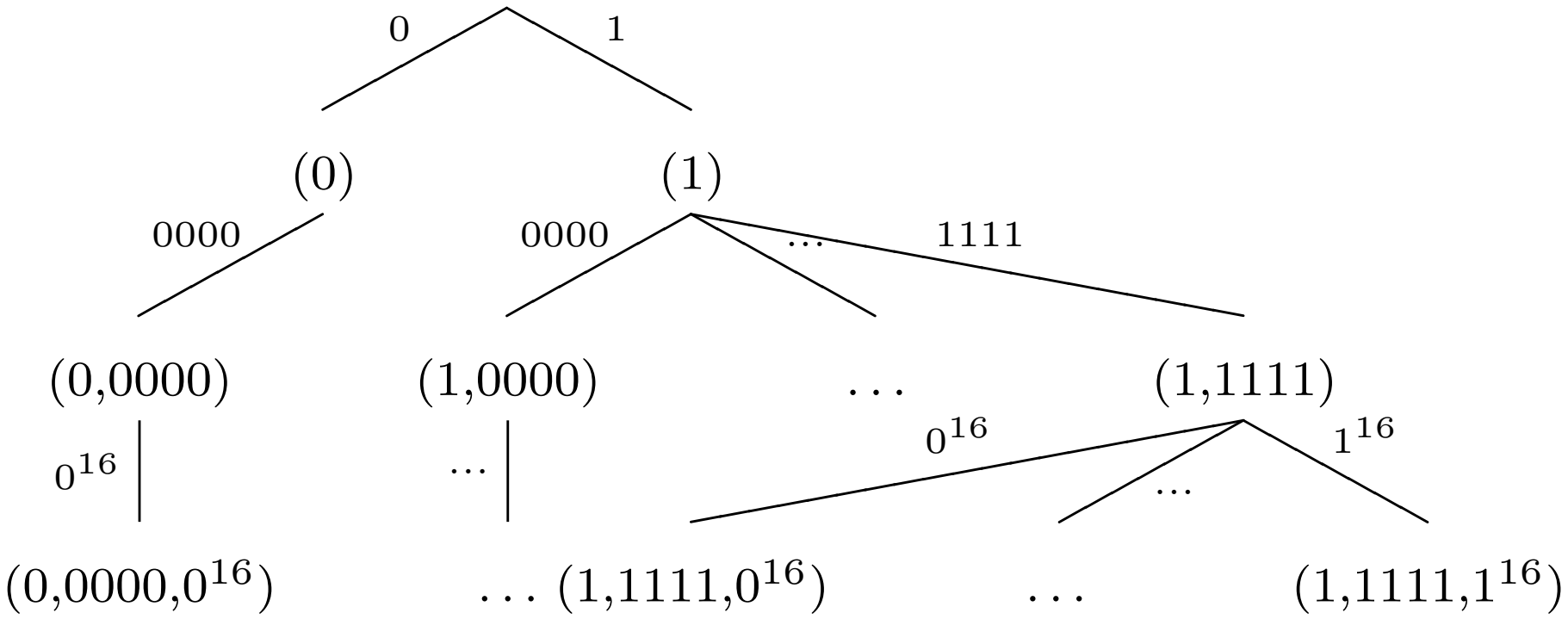
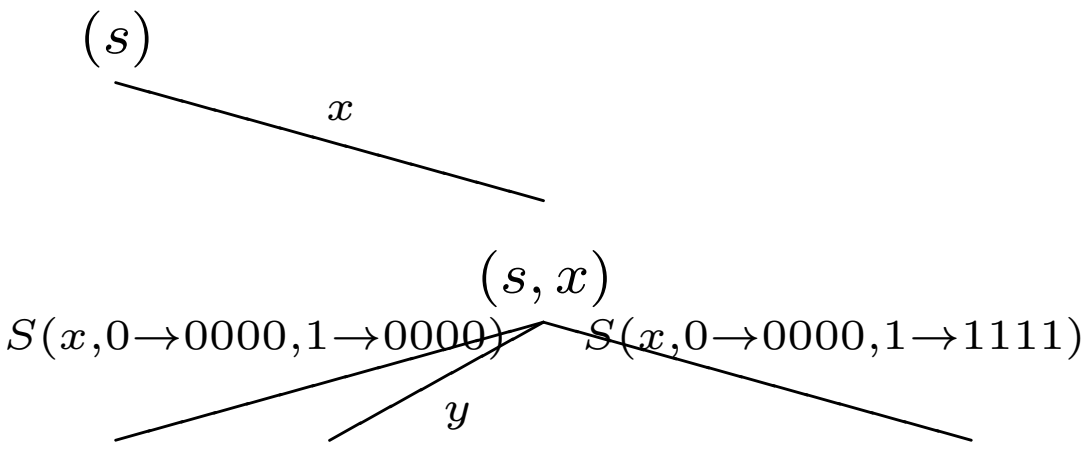

0
1
(0)
(1)
0000
0000
...
1111
(0,0000)
(1,0000)
...
(1,1111)
0^{16}
...
0^{16}
1^{16}
...
(0,0000,0^{16})
... (1,1111,0^{16})
...
(1,1111,1^{16})

(a)


(s)
x
(s, x)
$S(x,0\to0000,1\to0000)$
$S(x,0\to0000,1\to1111)$
y

(b)