

Algorithm 1: Height	
Input: Input	
Output: Output	
1	Procedure Height($node, a, b$)
2	$h \leftarrow -1$
3	if $node = \text{nil}$ then
4	return h
5	for $v' \in node_{children}$ do
6	$h \leftarrow \max(h, \text{Height}(v'))$
7	end
8	return $1 + h$

Algorithm 2: f	
Input: Input	
Output: Output	
1	Procedure f()
2	$t \leftarrow \text{Tree}(5, \text{nil}, [\text{Tree}(5, \text{nil}, [\text{Tree}(5, \text{nil}, [])])])$
3	print(Height(t))
4	return 1