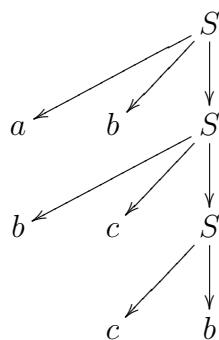


## How to draw a derivation tree and a state table in LaTeX

1. For example, with the grammar in Exercise 24, Section 13.1 (page 857), the derivation tree for  $abbccb$  is given by



2. For example, the state table given in Exercise 1 a) in Section 13.2 (page 863) can be given by

State	f		g	
	Input		Input	
	0	1	0	1
$s_0$	$s_1$	$s_0$	0	1
$s_1$	$s_0$	$s_2$	0	1
$s_2$	$s_1$	$s_1$	0	0