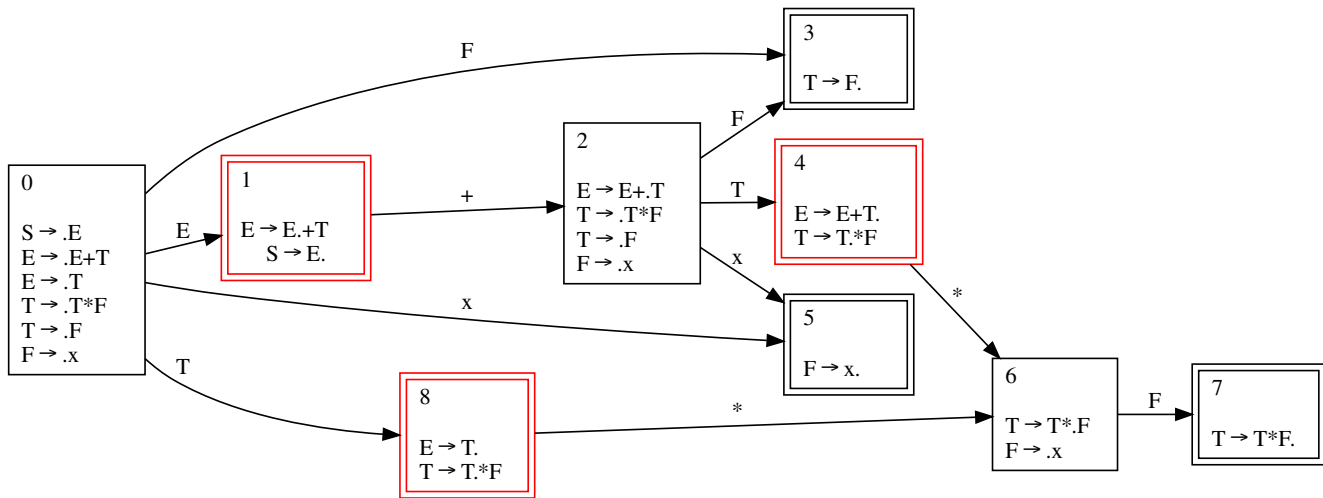


Exercise 3

Halvor Linder Henriksen

1 Bottom/up parsing tables

1.1



1.2

The states highlighted in red have shift reduce conflicts, as both actions are possible.

1.3

We can use the follow sets of the left hand side of the productions to remove shift/reduce conflicts.

The resulting table:k

	+	*	x	\$	E	T	F
0			s5		g1	g8	g3
1	s2			r0			
2			s5			g4	g3
3	r4	r4	r4	r4			
4	r1	s6		r1			
5	r5	r5	r5	r5			
6			s5				g7
7	r3	r3	r3	r3			
8		s6/r2		r2			

There is still one shift/reduce conflict in the SLR parsing table. The grammar is not SLR-parseable.