Fill in the Action and Goto tables for an LALR parser for the grammar given below, where the start symbol is **S**. Although the grammar is ambiguous, your parser must not be ambiguous: an ambiguous string, such as **iiaea**, must be parsed in the "correct" manner, using the usual disambiguating rule for the "dangling else" problem.

1. $\mathbf{S} \longrightarrow \mathbf{a}_2$
2. $\mathbf{S} \longrightarrow \mathbf{w}_3\mathbf{S}_4$
3. $\mathbf{S} \longrightarrow \mathbf{i}_5\mathbf{S}_6$
4. $\mathbf{S} \longrightarrow \mathbf{i}_5\mathbf{S}_6\mathbf{e}_7\mathbf{S}_8$
5. $\mathbf{S} \longrightarrow \mathbf{b}_9\mathbf{L}_{10}\mathbf{n}_{11}$
6. $\mathbf{L} \longrightarrow \mathbf{L}_{10}\mathbf{S}_{12}$
7. $\mathbf{L} \longrightarrow \epsilon$

	a	w	i	e	b	n	eof	S	L
0									
1							halt		
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									

ACTION GOTO