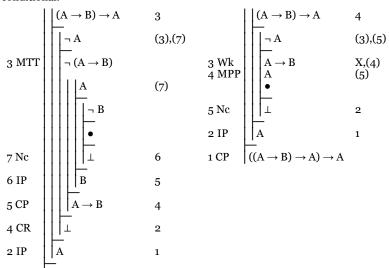
5.4.xa. Exercise answers

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1. a.
$$A \rightarrow B \ 2$$
 $A \ (2)$ $A \ (3)$ $A \ (4)$ $A \ (5)$ $A \ (6)$ $A \ (7)$ $A \ (8)$ $A \ (8)$ $A \ (8)$ $A \ (9)$ $A \ (10)$ $A \$

d. The following are two approaches to this derivation, one without use of attachment rules and the other using one of the forms of Wk for the conditional.

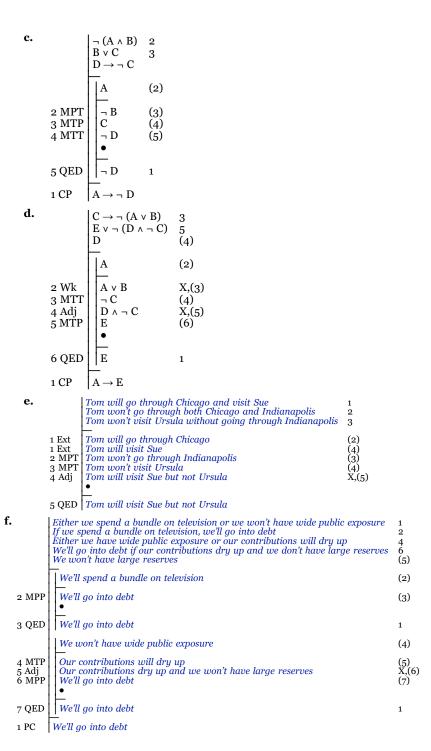


2. a.

1 CP

1 Adj 2 MPP 3 Wk 4 MPP	$ \begin{array}{c} (A \wedge B) \rightarrow C \\ (C \vee D) \rightarrow E \\ A \\ B \\ \hline \\ A \wedge B \\ C \\ C \vee D \\ E \\ \bullet \end{array} $	2 4 (1) (1) X,(2) (3) X,(4) (5)
5 QED	E	

b.



g.	If Adams supports the plan, it will go though provided Brown doesn't oppose it Brown won't oppose the plan if either Collins or Davis supports it	3 5
	Both Adams and Davis will support the plan	2
2 Ext 2 Ext 3 MPP 4 Wk 5 MPP 6 MPP	Adams will support the plan Davis will support the plan The plan will go though provided Brown doesn't oppose it Either Collins or Davis will support the plan Brown won't oppose the plan The plan will go through	(3) (4) 6 X,(5) (6) (7)
7 QED	The plan will go through	1
1 CP	The plan will go through if both Adams and Davis support it	

Glen Helman 25 Aug 2005