Introduction to the Theory of Computation Chapter 7: Time Complexity

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Problem 7.24. Let	
$CNF_k = \{\langle \phi \rangle \mid \phi \text{ is a satisfiable cnf-formula where each variable appears in at most } k \text{ places}$	}.
Part a. Show that $CNF_2 \in P$.	
Proof.	
Part b. Show that CNF_3 is NP-complete.	
Proof.	