(1) Prove that the following language is NP-complete:

\[ L = \{ \langle \varphi \rangle \mid \varphi \text{ is a boolean formula with at least two satisfying assignments} \} \]

(2) Suppose some polynomial-time algorithm \( A \) decides the decision problem

\[ \text{CLIQUE} = \{ \langle G, k \rangle \mid \text{Graph } G \text{ contains a clique of size } k \}. \]

Using \( A \), give a polynomial-time algorithm to search for a clique of size \( k \) in a graph \( G \), whenever such a clique exists.