COMP170 Recitation 8 Problems

Problem 1

DOUBLE − SAT = \{⟨ϕ⟩ | ϕ has at least two satisfying assignments\}.

Show that DOUBLE − SAT is NP-complete.

Problem 2

DOUBLE − CLIQUE = \{⟨G, k⟩ | G has at least 2 cliques, each of size greater than or equal to k\}.

Show that DOUBLE − CLIQUE is NP-complete.