1- Which answer option is a correct statement about the following ASP program (in **Problem 1**)?

p
r ← ¬p, q

- This ASP program has exactly 1 stable model.
- This ASP program is a non-definite program.
- This ASP program is NOT a positive program.
- This ASP program is unsatisfiable under propositional logic.

The answer is **A, B, C**.

2. Which answer option is a correct statement about the following ASP program (in **Problem 2**)?

p ← q
q ← ¬p

- This ASP program is an unsatisfiable program.
- This ASP program has one stable model.
- This ASP program is a positive program.
- This ASP program has no stable model but is satisfiable under propositional logic.

The answer is **A.**

3. Which answer option is a correct statement about the following ASP program (in **Problem 3**)?

p ← p
p V q

- The critical part of the propositional rule in the ASP program is the “p” in the body of the first rule.
- This ASP program has exactly 1 stable model and is satisfiable under propositional logic.
- This ASP program has exactly 2 stable models.
- This ASP program is a definite program.

The answer is **C.**