

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

p

$r \leftarrow p \wedge q$

- ☐ This ASP program has exactly 2 stable models.
- ☒ This ASP program is a definite program.
- ☐ This ASP program is NOT a positive program.
- ☐ This ASP program is unsatisfiable under propositional logic.

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

$p \leftarrow \neg q$

$q \leftarrow \neg p$

- ☐ This ASP program is a definite program.
- ☒ This ASP program has exactly 2 stable models.
- ☐ This ASP program is a positive program.
- ☐ This ASP program has no stable model but is satisfiable under propositional logic.

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

$p \leftarrow \neg p$

$p \vee q$

- ☐ 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.