Suppose a program has the following answer sets:

\[ A_1 = \{p(a), p(b), q(b), \neg s(a)\} \]
\[ A_2 = \{q(b), r(a), \neg s(a)\} \]

How would it answer the following queries?

1. \( s(a) \) — No
2. \( r(a) \) — Unknown
3. \( \neg s(b) \) — Unknown
4. \( q(b) \land \neg s(a) \) — Yes
5. \( q(b) \land p(a) \) — Unknown
6. \( \neg q(b) \land p(a) \) — No
7. \( p(a) \lor r(a) \) — Yes
8. \( \neg p(a) \lor \neg s(a) \) — Yes
9. \( p(a) \lor p(b) \) — Unknown
10. \( \neg q(b) \lor s(a) \) — No