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hw2_csps_q7_arc_consistency_properties

Question 7: Arc Consistency Properties

6/6 points (ungraded)

Assume you are given a CSP and you enforce arc consistency. Which of the following are true?

- ☐ If the CSP has no solution, it is guaranteed that enforcement of arc consistency resulted in at least one domain being empty.
- ☐ If the CSP has a solution, then after enforcing arc consistency, you can directly read off the solution from resulting domains.
- ☒ In general, to determine whether the CSP has a solution, enforcing arc consistency alone is not sufficient; backtracking may be required.
- ☐ None of the above.



Submit

✓ Correct (6/6 points)

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