hw2_csps_q5_arc_consistency_properties
Question 5: Arc Consistency Properties

6.0/6.0 points (graded)

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.

✔

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