



[Course](#) > [Week 4](#) > [Home...](#) > hw2_cs...

hw2_csps_q2_csp_properties

Question 2: CSP Properties

5/5 points (ungraded)

Select all of the following statements about CSPs that are true.

- ☒ Even when using arc consistency, backtracking might be needed to solve a CSP.
- ☒ Even when using forward checking, backtracking might be needed to solve a CSP.
- ☐ None of the above



Submit

✓ Correct (5/5 points)

problem

5/5 points (ungraded)

Select all of the following statements about CSPs that are true.

- ☐ When using backtracking search with the same rules to select unassigned variables and to order value assignments (in our case, usually Minimum Remaining Values and Least-Constraining Value, with alphabetical tiebreaking), arc consistency will always give the same solution as forward checking, if the CSP has a solution.

☒ For a CSP with binary constraints that has no solution, some initial values may still pass arc consistency before any variable is assigned.

☐ None of the above



Submit

✓ Correct (5/5 points)

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