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- In summary, we have formally defined factor graphs, where variables represent unknown quantities, and factors specify preferences for partial
 assignments. These allow us to specify preferences in a modular way; just "throw in" any desiderata you have.
 The weight of an assignment is the product of all the factors. The objective in solving a CSP is to find the maximum weight assignment,
 which is a global notion that must take into account all the factors at once.