Constraint Satisfaction Methods

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- Constraint Satisfaction Problem (CSP)

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- Constrained Optimization Problem (COP)

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When to use Only if invalid solutions have an inherently lower fitness than valid solutions which means that the fitness function implicitly accounts for the constraints.

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When to use Only if (a) the ratio of invalid to total solutions is sufficiently low to make the overhead of generating solutions and checking their validity lower than the overhead of generating guaranteed valid solutions or imposing a penalty function, and (b) global maximum reachability is guaranteed.

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