

Dealing with NP-completeness







What to do if the problem you want to solve is NP-hard

- Use heuristic algorithms and hope they give good answers
 - No guarantees of quality
 - Many different types of heuristic algorithms
 - Many different options, especially for optimization problems, such as TSP, where we want the best solution.









11



- based, etc.
- LP-based rounding
- Primal-dual schema
- Semi-definite programming based.

























