

# Branch-and-cut algorithms for graph problems

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## Stellingen (Propositions)

behorende bij het proefschrift: (to accompany the thesis entitled:)

### **“Branch-and-cut algorithms for graph problems”**

door Birol Yüceoğlu

1. In order to triangulate graphs, cycles and their extensions are the most important structures (Chapter 3).
2. The representatives formulation for the graph coloring problem is useful in order to obtain a good solution, but not very useful in order to obtain an optimal solution (Chapter 4).
3. Structure of a problem is more important than sheer numbers (Chapter 5).
4. The Netherlands is safe from water, for now (Chapter 5).
5. If you can bound or cut, bound.
6. Solving a problem is important, providing insight into a problem is even more important.
7. Operations research is an art of modeling, where bigger models mean more details.
8. A scientist is someone who discovers an existing question that was hitherto unknown.
9. Science is valuable.