

# Branch-and-cut algorithms for graph problems

Citation for published version (APA):

Yüceoglu, B. (2015). *Branch-and-cut algorithms for graph problems*. [Doctoral Thesis, Maastricht University]. Maastricht University. <https://doi.org/10.26481/dis.20150226by>

## Document status and date:

Published: 01/01/2015

## DOI:

[10.26481/dis.20150226by](https://doi.org/10.26481/dis.20150226by)

## Document Version:

Publisher's PDF, also known as Version of record

## Please check the document version of this publication:

- A submitted manuscript is the version of the article upon submission and before peer-review. There can be important differences between the submitted version and the official published version of record. People interested in the research are advised to contact the author for the final version of the publication, or visit the DOI to the publisher's website.
- The final author version and the galley proof are versions of the publication after peer review.
- The final published version features the final layout of the paper including the volume, issue and page numbers.

[Link to publication](#)

## General rights

Copyright and moral rights for the publications made accessible in the public portal are retained by the authors and/or other copyright owners and it is a condition of accessing publications that users recognise and abide by the legal requirements associated with these rights.

- Users may download and print one copy of any publication from the public portal for the purpose of private study or research.
- You may not further distribute the material or use it for any profit-making activity or commercial gain
- You may freely distribute the URL identifying the publication in the public portal.

If the publication is distributed under the terms of Article 25fa of the Dutch Copyright Act, indicated by the "Taverne" license above, please follow below link for the End User Agreement:

[www.umlib.nl/taverne-license](http://www.umlib.nl/taverne-license)

## Take down policy

If you believe that this document breaches copyright please contact us at:

[repository@maastrichtuniversity.nl](mailto:repository@maastrichtuniversity.nl)

providing details and we will investigate your claim.

---

## 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.