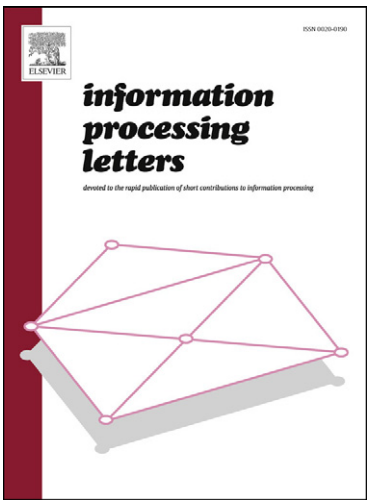
Accepted Manuscript



Downhill domination problem in graphs

Xue-gang Chen, Shinya Fujita

PII: S0020-0190(15)00020-4
DOI: 10.1016/j.ipl.2015.02.003
Reference: IPL 5237

To appear in: *Information Processing Letters*

Received date: 2 January 2014
Accepted date: 8 February 2015

Please cite this article in press as: X. Chen, S. Fujita, Downhill domination problem in graphs, *Inf. Process. Lett.* (2015), http://dx.doi.org/10.1016/j.ipl.2015.02.003

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Highlights

- For the study of downhill domination problem, a new concept on direct dominating set is introduced.
- We give an enumeration of all the minimum downhill dominating sets of a graph.
- We show that there is a linear time algorithm to determine the downhill domination number of graph.

Download English Version:

https://daneshyari.com/en/article/6874257

Download Persian Version:

https://daneshyari.com/article/6874257

Daneshyari.com