Accepted Manuscript

Online scheduling of incompatible unit-length job families with lookahead

Wenhua Li, Jinjiang Yuan, Sufang Yang

PII: S0304-3975(14)00423-X
DOI: 10.1016/j.tcs.2014.05.024
Reference: TCS 9751

To appear in: *Theoretical Computer Science*

Received date: 12 December 2013
Revised date: 30 April 2014
Accepted date: 28 May 2014

Please cite this article in press as: W. Li et al., Online scheduling of incompatible unit-length job families with lookahead, *Theor. Comput. Sci.* (2014), http://dx.doi.org/10.1016/j.tcs.2014.05.024

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

- We study online batch-scheduling of incompatible job families with lookahead. Jobs arrive over time and have unit-length processing times. An online algorithm can foresee all the jobs in a finite time segment at any time. Jobs which belong to different families cannot be assigned to the same batch. We provide a best possible online algorithm when the number of job families is known.

Download English Version:

https://daneshyari.com/en/article/6876183

Download Persian Version:

https://daneshyari.com/article/6876183

Daneshyari.com