# Hard equality constrained integer knapsacks: Erratum 

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#### Abstract

This is an erratum to our paper published in Mathematics of Operations Research 29(3), 2004, 724-738.


In Theorem 1 of our paper, we claimed the following lower bound $f\left(a_{1}, \ldots, a_{n}\right)$ on the Frobenius number of the set of elements $\left\{a_{1}, \ldots, a_{n}\right\}$ :

$$
f(\boldsymbol{p}, \boldsymbol{r}, M)=\frac{\left(M^{2} p_{j} p_{k}+M\left(p_{j} r_{k}+p_{k} r_{j}\right)+r_{j} r_{k}\right)\left(1-\frac{2}{M+\left(r_{j} / p_{j}\right)}\right)}{p_{k} r_{j}-p_{j} r_{k}}-1
$$

Due to a calculation mistake in the final stages of the proof, the last term is not correct. The correct expression should be:
$f(\boldsymbol{p}, \boldsymbol{r}, M)=\frac{\left(M^{2} p_{j} p_{k}+M\left(p_{j} r_{k}+p_{k} r_{j}\right)+r_{j} r_{k}\right)\left(1-\frac{2}{M+\left(r_{j} / p_{j}\right)}\right)}{p_{k} r_{j}-p_{j} r_{k}}-\left(M+\frac{r_{j}}{p_{j}}\right)$.
Also, in the proof of Claim 1, which is a part of proof of Theorem 1, there is an error in the reasoning used to prove the necessary conditions of that claim. The claim, however is still correct. A full corrected version of the paper is available from the home page of the first author: http://www.cwi.nl/~aardal

We apologize to the readers for the inconvenience.

