Erratum to: The capacitated max k -cut problem

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The algorithm described by the authors in a recent issue of this journal (The capacitated max k -cut problem, 115(1): 65–72 (2008)) is not guaranteed to terminate. To see this, consider a complete graph over n vertices, identical weights on all edges, where a bipartition is desired with capacities of 1 and $n - 1$ (brought to our attention by Prof. Jaikumar Radhakrishnan). The lower bound for general k approaches the lower bound obtained for $k = 2$ by considering the case where the capacity of all but two sets is 0 (kindly brought to our attention by Dr. Maxim Sviridenko). Thus, it is unlikely a better lower bound (which improves with increasing k) can be obtained.

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