CORRIGENDUM

Computing Functions
with Parallel Queries to NP

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March 11, 1997

As noted by H. Buhrman and L. Fortnow, the proof of Theorem 3.6 in the mentioned paper is not correct the way it is. However, the result holds and the proof can be corrected with the following modification:

At the bottom of page 185 some contraction rules are given in order to construct a new DAG G_1 from an original DAG G. These rules should be replaced by the new ones

- Delete the nodes with value 0^n.

- Include in the new DAG all the possible (leaf) nodes v_i represented by the string $0^{i-1}10^{n-i}$ such that some node in the original DAG had a 1 in position i.

- Contract all the nodes that have the same value into a single node.

The rest of the proof remains as in the original paper.