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Erratum

Erratum to "Collapsible biclaw-free graphs" [Discrete Math. 306 (2006) 2115–2117]

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There are two errors in the paper [2]. Firstly, Lemma 2.5 of [2] was incorrectly stated. The correct version of it is:

Lemma 2.5 (*Lai [1, Theorem 1]*). *If* $\kappa(G) \geqslant 2$, $\delta(G) \geqslant 3$, *and if every edge of G lies in a* 4*-cycle, then G is collapsible*.

Then Corollary 2.6 of [2] follows from this version of Lemma 2.5.

The other error was the statement of Conjecture 2.7. The intended statement of Conjecture 2.7 is:

Conjecture 2.7. Every 2-connected biclaw-free graph G with $\delta(G) \geqslant 4$ has a spanning eulerian subgraph H with maximum degree $\Delta(H) \leqslant 4$.

If G is a 2-connected bipartite biclaw-free graph with $\delta(G) \geqslant 4$, then by [2, Lemma 2.2], every edge of G lies in a 4-cycle, and then by Lemma 2.5 (the correct version), G is collapsible. It follows that G will have a spanning eulerian subgraph. Note that a Hamiltonian cycle of G is a spanning eulerian subgraph of G with maximum degree 2. We consider it one possible way to attack Conjecture 1.1 of [2] (originally from [3]).

We apologize to the readers for our careless errors.

References

[1] H.-J. Lai, Graphs whose edges are in small cycles, Discrete Math. 94 (1991) 11–22.
[2] H.-J. Lai, X. Yao, Collapsible biclaw-free graphs, Discrete Math. 306 (2006) 2115–2117.
[3] H. Li, Problem A15, Memorandum 1076, University of Twente, Enschede, 1992, p. 119.

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