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A new upper bound for the maximum weight clique problem

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Highlights

- A new upper bound for the maximum weight clique problem is proposed.
- The new upper bound is tighter and more easily to compute than previous upper bounds.
- An exact algorithm using the new upper bound to reduce the search space is proposed.
- In-depth empirical evaluation of the new upper bound and the algorithm is presented.
- The algorithm solves well both medium and large graphs thanks to the new upper bound.

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