

number of small sets and the number of clauses. The efficiency of algorithm CIER has a good improvement comparing with algorithm ER and IER.

5. Conclusion

In conclusion, algorithm CIER uses splitting rule to split a clause set into some small sets. The method keeps the algorithm complete and effective. The use of MOAMD strategy reduces the scale of clause sets need to be calculated and makes pruning happen in shallow depth of the binary search tree. All of the above methods make the algorithm CIER more effective than ER and IER, just as shown in the experiment.

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