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Some combinatorial characteristics of closure operations. (English) Zbl 1445.68080
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Summary: The aim of this paper investigates some combinatorial characteristics of minimal key and antikey of closure operations. We also give effective algorithms finding minimal keys and antikeys of closure operations. We estimate these algorithms. Some remarks on the closeness of closure operations class under the union and direct product operations are also studied in this paper.

MSC:

68P15 Database theory

06A15 Galois correspondences, closure operators (in relation to ordered sets)

68R05 Combinatorics in computer science

Keywords:

closure operation; closure system; closed set; minimal key; antikey

Full Text: [Link](#)

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