

Krasulina, E. G.

On complexity of realization of monotone symmetric functions of the logic algebra by contact schemes. (Russian) [Zbl 0668.94021](#)

Mat. Vopr. Kibern. 1, 140-167 (1988).

A monotone symmetric function can be realized by a contact scheme. Then the order of numbers of contacts in the contact schemes corresponding to the n argument functions does not exceed $n(n + 1)$. Since each such function may be assumed as a periodic one, at the costs of a crumble of its period, one can decrease the number of contacts needed for its realization. In this paper a general method for realization of such construction has been described.

Reviewer: [J.Zurawiecki](#)

MSC:

94C10 Switching theory, application of Boolean algebra; Boolean functions
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