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Finite automata. II. (English. Russian original) [Zbl 0096.33102](#)

[Autom. Remote Control 21](#), 248-254 (1960); translation from [Avtom. Telemekh. 21](#), 359-368 (1960).

Summary: In the second part of the paper [Part I, [Autom. Remote Control 21](#), 156–163 (1960); translation from [Avtom. Telemekh. 21](#), 224–236 (1960; [Zbl 0097.12302](#))] there is again described the authors' view-point on finite automata, on the problems of the theory of finite automata and on the interrelationships of this theory with the theory of the relay circuits (of the switching circuits in particular).

The paper poses the general problem of constructing automata of given time pace which consist of elements operating with different time pace. As an example of such a system abstract neurons (of McCulloch and Pitts neuron type) and neuron nets are considered. Switching circuits and relay circuits in general appear then as one of possible technical realizations of an abstract neuron net.

For a scan of this review see the [web version](#).

MSC:

[68Q45](#) Formal languages and automata

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