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Title: Boolean-type retractable state-finite automata without outputs

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An automaton **A** is called a retractable automaton if, for every subautomaton **B** of **A**, there is at least one homomorphism of **A** onto **B** which leaves the elements of *B* fixed (such homomorphism is called a retract homomorphism of **A** onto **B**). We say that a retractable automaton $\mathbf{A} = (\mathbf{A}, \mathbf{X}, \delta)$ is Boolean-type if there exists a family $\{\lambda_B \mid \mathbf{B} \text{ is a subautomaton of } \mathbf{A}\}$ of retract homomorphisms λ_B of **A** such that, for arbitrary subautomata \mathbf{B}_1 and \mathbf{B}_2 of **A**, the condition $B_1 \subseteq B_2$ implies $\operatorname{Ker}\lambda_{B_2} \subseteq \operatorname{Ker}\lambda_{B_1}$. In this paper, we describe the Boolean-type retractable state-finite automata without outputs.

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