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Boolean Language Operations on Nondeterministic Automata with a Pushdown of Constant Height

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Highlights

- We study the size cost of implementing boolean language operations on constant height nondeterministic pushdown automata.
- We show that an exponential size blow up is necessary and sufficient for intersection.
- We provide a linear trade-off for union.
- We provide a double exponential upper bound and a single exponential lower bound for complementation.

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