

COLUMNS VS. ROWS

INFLUENCE OF THE REDUCTION ORDER IN MULTIPLIER VERIFICATION

USING COMPUTER ALGEBRA

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Student Forum FMCAD 2019

October 23, 2019

San Jose, CA, USA

FWF

Der Wissenschaftsfonds.

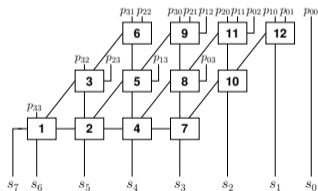


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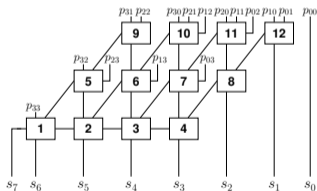
Reduction Order



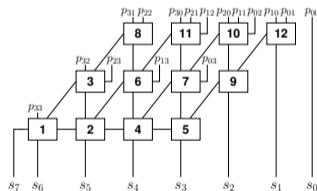
Column-wise Order



Row-wise Order

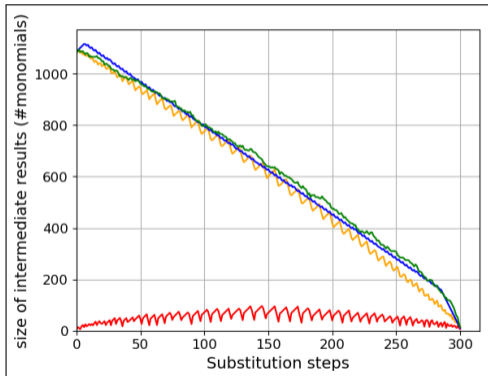


**Arbitrary Reverse
Topological Order**



Experimental Results

Simple multiplier



Complex multiplier

