

Problem			Sparsity		Sparsity pattern detection <sup>1</sup>		
N	Inputs	Outputs	Zeros	Colors <sup>2</sup>	Symbolics	SCT <sup>3</sup>	
6	72	72	91.67%	9	$5.07 \cdot 10^{-3}$	$\mathbf{2.10 \cdot 10^{-5}}$	<b>(241.5)</b>
12	288	288	97.92%	10	$2.12 \cdot 10^{-2}$	$\mathbf{8.85 \cdot 10^{-5}}$	<b>(240.0)</b>
24	1152	1152	99.48%	10	$7.48 \cdot 10^{-2}$	$\mathbf{3.92 \cdot 10^{-4}}$	<b>(190.8)</b>
48	4608	4608	99.87%	10	$3.08 \cdot 10^{-1}$	$\mathbf{1.96 \cdot 10^{-3}}$	<b>(157.2)</b>
96	18432	18432	99.97%	10	$1.45 \cdot 10^0$	$\mathbf{1.71 \cdot 10^{-2}}$	<b>(84.5)</b>
192	73728	73728	99.99%	10	$7.19 \cdot 10^0$	$\mathbf{2.44 \cdot 10^{-1}}$	<b>(29.5)</b>

<sup>1</sup>Wall time in seconds.

<sup>2</sup>Number of colors resulting from greedy column coloring.

<sup>3</sup>In parentheses: Wall time ratio compared to Symbolics.jl's pattern detection (higher is better).