Problem			Sparsity		Jacobian computation[1]				
N	Inputs	Outputs	Zeros	Colors[2]	AD (prepared)	ASD (prepared)[3]		ASD (noprepared)[3]	
6	72	72	91.67%	9	$1.79 \cdot 10^{-5}$	$ \mathbf{2.69 \cdot 10^{-6}}$	**(6.7)**	$3.59 \cdot 10^{-5}$	(0.5)
12	288	288	97.92%	10	$2.61 \cdot 10^{-4}$	$ \mathbf{1.15 \cdot 10^{-5}}$	**(22.8)**	$1.76 \cdot 10^{-4}$	(1.5)
24	1152	1152	99.48%	10	$4.97 \cdot 10^{-3}$	$ \mathbf{4.62 \cdot 10^{-5}}$	**(107.7)**	$1.42 \cdot 10^{-3}$	(3.5)
48	4608	4608	99.87%	10	$9.14 \cdot 10^{-2}$	$ \mathbf{2.23 \cdot 10^{-4}}$	**(409.8)**	$2.07 \cdot 10^{-2}$	(4.4)
96	18432	18432	99.97%	10	$1.51 \cdot 10^{0}$	$ \mathbf{9.06 \cdot 10^{-4}}$	**(1662.9)**	$3.22 \cdot 10^{-1}$	(4.7)
192	73728	73728	99.99%	10	$2.58 \cdot 10^{1}$	$ \mathbf{3.91 \cdot 10^{-3}}$	**(6600.0)**	$1.04 \cdot 10^{1}$	(2.5)

[1]Wall time in seconds.

[2]Number of colors resulting from greedy column coloring.

[3]In parentheses: Wall time ratio compared to prepared AD (higher is better).