Simulation	Signal Tensor $\Theta$	Rank	Sign Rank	Marginal CDF of Tensor Entries Noise
1	$\mathcal{C}  imes oldsymbol{M}_1  imes oldsymbol{M}_2  imes oldsymbol{M}_3$	$3^{3}$	2	Uniform $[-0.3, 0.3]$
2	$ oldsymbol{a}\otimes oldsymbol{1}\otimes oldsymbol{1}-oldsymbol{1}\otimes oldsymbol{b}\otimes oldsymbol{1} $	$\geq d$	unknown	Gaussian $\mathcal{N}(0, 0.15)$
3	$\log(0.5 + Z_{\max})$	$\geq d$	2	Uniform $[-0.1, 0.1]$
4	$2.5 - \exp(\mathcal{Z}_{\min}^{1/3})$	$\geq d$	2	Gaussian $\mathcal{N}(0, 0.15)$
				-0.5 0 0.5 1