





ID	Signal Tensor Θ	Rank	Sign Rank	Marginal CDF of Tensor Entries	Noise
1	$\mathcal{C} \times \mathbf{M}_1 \times \mathbf{M}_2 \times \mathbf{M}_3$	3^3	2		Uniform $[-0.3, 0.3]$
2	$ \mathbf{a} \otimes \mathbf{1} \otimes \mathbf{1} - \mathbf{1} \otimes \mathbf{b} \otimes \mathbf{1} $	$\geq d$	unknown		Normal $N(0, 0.15)$
3	$\Theta(i, j, k) = \log(0.5 + tZ_{\max}^{1/3})$	$\geq d$	2		Uniform $[-0.1, 0.1]$
4	$\Theta(i, j, k) = 2.5 - \exp(\mathcal{Z}_{\min}^{1/3})$	$\geq d$	2		Normal $N(0, 0.15)$