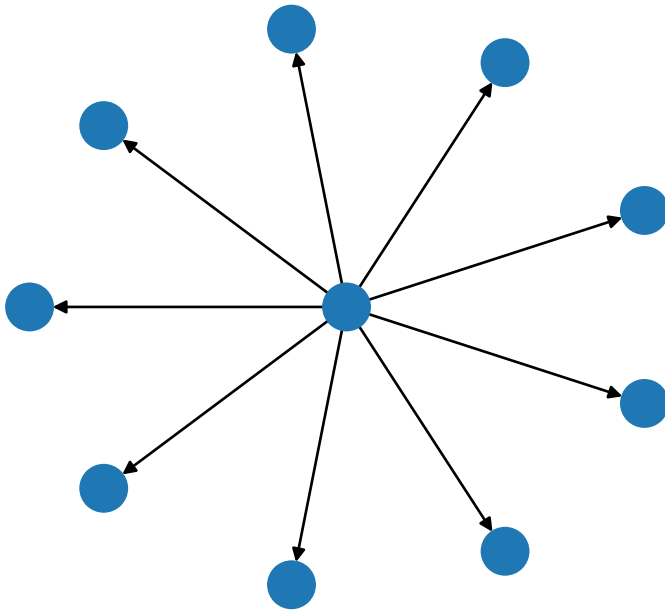induced graph $\mathcal{G}_{\mathbf{R}}$

induced graph $\mathcal{G}_{\mathbf{C}}$