Definition (Algebraic definition of UMCDPs) An Uncertain MCDP (UMCDP) is a tuple / 4 T

An Uncertain MCDP (UMCDP) is a tuple $\langle \mathcal{A}, \mathbf{T}, \boldsymbol{v} \rangle$, where \mathcal{A} is a set of atoms, $\mathbf{T} \in \text{Terms}(\{\text{series, par, loop}\}, \mathcal{A})$ is the algebraic representation of the graph, and \boldsymbol{v} :

refres({series, par, 100p}, \mathcal{A}) is the algebraic representation of the graph, and $\mathcal{A} \to \mathbf{UDP}$ is a valuation that assigns to each atom a UDP.