A is any set of atoms, to be used as labels.
The term T in the {series, par, loop} algebra describes the structure of the

Definition (Algebraic definition Monotone Co-Design Problems). An MCDP is

a tuple $\langle \mathcal{A}, \mathbf{T}, \boldsymbol{v} \rangle$, where:

graph:

3. The *valuation* \boldsymbol{v} is a map $\boldsymbol{v}:\mathcal{A}\to\mathbf{DP}$ that assigns a DP to each atom.

 $T \in Terms(\{series, par, loop\}, \mathcal{A}).$