

$$\left\{ \begin{array}{ll} \text{using} & i \in \mathbf{I}, \\ \text{s.t.} & f \preceq_{\mathbf{F}} \text{prov}(i), \\ \text{s.t.} & \text{prov}(i) \preceq_{\mathbf{R}} \text{req}(i), \end{array} \right.$$