

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