**Definition.** Given a DPI  $\langle F, R, I, \text{prov}, \text{req} \rangle$ , define the map  $h: F \to \mathcal{A}R$  that associates to each functionality f the objective function of  $\ref{eq:prop:sec:$ 

$$h: F \rightarrow \mathcal{A}R,$$

$$f \mapsto \min_{\leq_R} \{ \operatorname{req}(i) \mid (i \in I) \land (f \leq \operatorname{prov}(i)) \}.$$

 $\leq_{R}$ If a certain functionality f is infeasible, then  $h(f) = \emptyset$ .