Definition. Given a DPI $\langle \mathbf{F}, \mathbf{R}, \mathbf{I}, \mathsf{prov}, \mathsf{req} \rangle$, we denote by $h : \mathbf{F} \to_{\mathsf{Pos}} \mathcal{A}\mathbf{R}$ the monotone map that associates to each functionality f the set of minimal resources necessary to realize f:

$$h: \mathbf{F} \to_{\mathbf{Pos}} \mathcal{A}\mathbf{R},$$

$$f \mapsto \operatorname{Min}\{\operatorname{reg}(i) \mid (i \in \mathbf{I}) \land (f < \operatorname{prov}(i))\}.$$

 $f \mapsto \underset{\leq_{\mathbf{R}}}{\min} \{ \operatorname{req}(i) \mid (i \in \mathbf{I}) \land (f \leq \operatorname{prov}(i)) \}.$ If a certain functionality f is infeasible, then $h(f) = \emptyset$.