

**Definition.** Given a DP  $\mathbf{f} : \mathbf{F} \rightarrow \mathbf{R}$  we denote by  $H_{\mathbf{f}} : \mathbf{F} \rightarrow_{\text{Pos}} \mathcal{U}\mathbf{R}$  the map that associates to each functionality  $f$  the set of minimal resources sufficient to realize  $f$ :

$$\begin{aligned} H_{\mathbf{f}} : \mathbf{F} &\rightarrow_{\text{Pos}} \mathcal{U}\mathbf{R}, \\ f &\mapsto \{r \in \mathbf{R} : \mathbf{f}(f, r)\} \end{aligned}$$

If a certain functionality  $f$  is infeasible, then  $H(f) = \emptyset$ .