Definition. Given a DP $\langle \mathbf{F}, \mathbf{R}, \mathbf{I}, \mathsf{prov}, \mathsf{req} \rangle$, define the map $K_{\mathbf{f}} : \mathbf{R} \to_{\mathbf{Pos}} \mathscr{L}\mathbf{F}$ that associates to each resource r the set of functionalities which can be realized with r:

$$\begin{aligned} K_{\mathbf{f}} : \mathbf{R} &\to_{\mathbf{Pos}} \mathscr{L}\mathbf{F}, \\ r &\mapsto \{f \in \mathbf{F} : \mathbf{f}(f, r)\}. \end{aligned}$$

If a certain resource r only leads to infeasible functionalities, then $K(r) = \emptyset$.