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

$$K : \mathbf{R} \to_{\mathbf{Pos}} \langle \mathscr{L}\mathbf{F}, \subseteq \rangle,$$

$$r \mapsto \operatorname*{Max}_{\succeq_{\mathbf{F}}} \{\mathsf{prov}(i) \mid (i \in \mathbf{I}) \wedge (r \succeq \mathsf{req}(i))\}.$$

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