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

$$k: \mathbf{R} \to_{\mathbf{Pos}} \mathcal{A}\mathbf{F},$$
 $r \mapsto \max_{\succeq_{\mathbf{F}}} \{\operatorname{prov}(i) \mid (i \in \mathbf{I}) \land (r \succeq \operatorname{req}(i))\}.$

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