## Axiom of choice

Every surjection has a section.

Recall that a section for a function e is a function of such That ste eos=rdB

• When e: A ->> B 15 2 surjection we know That  $\forall b \in B. \exists a \in A. e(a) = b$ A section S: B-) A postulated by The Axiom of Charce chooses for every beb in element a eA, namely S(b), such That e(a) = 5.

