

Example

- Let $A = B = \{1, 2, 3\}$.
- Let $f(1) = 1, f(2) = 2, f(3) = 2$.
- If we think of this as a relation, it is the set of pairs

$$\{(1, 1), (2, 2), (3, 2)\} \subseteq A \times A.$$

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