Reflexive closure

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$$\nabla R = \{1,2,3\}$$
 $R = \{1,1,3\}$
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 $R = \{1,1,2,3\}$
 $R = \{1,1$

Symmetric closure (對稱包)

(對稱包)

$$S(R) = R \cup R^{-1} = \{(1.1), (2.2), (1.2), (2.3)\} \cup \{(1.1), (2.2), (2.1), (3.2)\}$$

 $= \{(1.1), (2.2), (1.2), (2.1), (2.3), (3.2)\}$