```
\{a, b, c, d\} \rightarrow \{1, 2, 3\}:
                                            \{a, b, c\} \rightarrow \{1, 2, 3\}:
                                                                                       \{\text{all people}\} \rightarrow \mathbb{N}:
                                                                                                                              \{\text{Czech citizens}\} \to \mathbb{N}:
(a, 1), (b, 1), (c, 2), (d, 3)
                                         (a, 1), (b, 1), (c, 2), (c, 3)
                                                                                   (person, their height)
                                                                                                                           (person, their national ID)
            \mathbb{Z} \to \mathbb{Z}:
                                                      \mathbb{R} \to \mathbb{R}:
                                                                                               \mathbb{Z} \to \mathbb{Z}:
                                                                                                                                          \mathbb{R} \to \mathbb{R}:
        f(x) = x + 7
                                                  f(x) = x + 7
                                                                                          f(x) = 3x + 1
                                                                                                                                     f(x) = 3x + 1
            \mathbb{Z} \to \mathbb{Z}:
                                                      \mathbb{R} \to \mathbb{R}:
                                                                                               \mathbb{Z} \to \mathbb{Z}:
                                                                                                                                          \mathbb{R} \to \mathbb{R}:
    f(x) = x^2 + x + 1
                                              f(x) = x^2 + x + 1
                                                                                          f(x) = \tan(x)
                                                                                                                                     f(x) = \tan(x)
     \{\text{students of this course}\} \rightarrow \{\text{their grades}\}:
                                                                                 \{\text{all people}\} \rightarrow \{\text{all people}\}:
                                                                                                                                            \mathbb{N} \to \mathbb{N}:
                       (student, their grade)
                                                                                    \{(a, b) | a \ a \ b \ are twins\}
                                                                                                                                    \{(a,b) \mid b=a+1\}
{a,b,c,d} \to {1,2,3}:
                                            \{a, b, c\} \rightarrow \{1, 2, 3\}:
                                                                                       \{\text{all people}\} \rightarrow \mathbb{N}:
                                                                                                                              \{\text{Czech citizens}\} \to \mathbb{N}:
(a, 1), (b, 1), (c, 2), (d, 3)
                                       (a,1),(b,1),(c,2),(c,3)
                                                                                   (person, their height)
                                                                                                                           (person, their national ID)
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                                                                                               \mathbb{Z} \to \mathbb{Z}:
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                                                                                               \mathbb{Z} \to \mathbb{Z}:
                                                                                                                                          \mathbb{R} \to \mathbb{R}:
                                                                                          f(x) = 3x + 1
        f(x) = x + 7
                                                  f(x) = x + 7
                                                                                                                                     f(x) = 3x + 1
            \mathbb{Z} \to \mathbb{Z}:
                                                      \mathbb{R} \to \mathbb{R}:
                                                                                               \mathbb{Z} \to \mathbb{Z}:
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     \{\text{students of this course}\} \rightarrow \{\text{their grades}\}:
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(a, 1), (b, 1), (c, 2), (d, 3) (a, 1), (b, 1), (c, 2), (c, 3)
                                                                                                                           (person, their national ID)
                                                                                   (person, their height)
                                                      \mathbb{R} \to \mathbb{R}:
            \mathbb{Z} \to \mathbb{Z}:
                                                                                               \mathbb{Z} \to \mathbb{Z}:
                                                                                                                                          \mathbb{R} \to \mathbb{R}:
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