

$$f(x, y) = (a, b)$$

$$(2y, x+y) = (a, b)$$

$$2y = a \quad y = \frac{a}{2}$$

$$x + y = b$$

$$x + \frac{a}{2} = b$$

$$x = b - \frac{a}{2}$$

$$f^{-1}(a, b) = \left(b - \frac{a}{2}, \frac{a}{2} \right)$$

$$f^{-1}(x, y) = \left(y - \frac{x}{2}, \frac{x}{2} \right)$$

δa ↗

$$g(ax+b) = (b, a+b)$$

$$g(ax+b) = (c, d)$$

$$(b, a+b) = (c, d)$$

$$b = c$$

$$a + b = d$$

$$a + c = d$$

$$a = d - c$$

$$g^{-1}(c, d) = ((d-c)x + c)$$

δb ↗