Pullback / vjp rule for scalar addition

$$f(x,y) = x + y = z$$

$$f : \mathbb{R} \times \mathbb{R} \to \mathbb{R}$$

$$\bar{x} = \bar{z} \frac{\partial f}{\partial x} = \bar{z} \, 1 = \bar{z}$$

$$\bar{y} = \bar{z} \frac{\partial f}{\partial y} = \bar{z} \cdot 1 = \bar{z}$$

$$B(+, (x,y), (\bar{z},)) = (\underbrace{(x+y)}_{z}, (\underbrace{\bar{z}}_{\bar{x}}, \underbrace{\bar{z}}_{\bar{y}}))$$