

$$f(x) = 4x$$

$$x = 9$$

$$f(x+1) = f(10) \\ = 4 \cdot 10 = 40$$

$$f(x+1) \stackrel{?}{=} 4 \cdot x = 4 \cdot 9 \quad ??$$

$$f(z) = 4z$$

$$f(x+1) = 4(x+1) = 4 \cdot 10 \\ = 40$$

Normal:

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

$$\mathbb{R}^3 \rightarrow \mathbb{R}$$

Functional:

$$f(x) = \lambda_{y, z} \cdot x + y + z$$

$$f(3) = \lambda_{y, z} \cdot 3 + y + z$$

$$9 = f(3)$$

$$9(4, 5) = 3 + 4 + 5$$

$$f: \mathbb{R} \rightarrow \mathbb{R}^{\mathbb{R} \times \mathbb{R}}$$