

$$f(x) = (x_{d+1})^{2}$$

$$g(x) = x$$

$$R$$

$$x \mapsto g(x) = x \mapsto f(g(x)) = f(x) = (x_{d+1})^{2}$$

$$(f \circ g)(x) = f(g(x)) = f(x) = (x_{d+1})^{2} \Rightarrow f \circ g = f$$

$$g(x) = x \mapsto f(g(x)) = f(x)^{2}$$

$$(g \circ f)(x) = g(f(x)) = g((x_{d+1})) = (x_{d+1})^{2} = f(x)$$

$$(g \circ f)(x) = g(f(x)) = g((x_{d+1})) \Rightarrow f \circ g = f$$

$$g(x) = x \mapsto g(x) \Rightarrow g(x_{d+1}) \Rightarrow g(x_{d+1})$$

