Functor in applicative

pure
$$(\lambda \times \rightarrow \times)$$
 (*) $d = d$

bute $(\lambda \times \rightarrow \times)$ (*) $d = d$

bute $(\lambda \times \rightarrow \times)$ bute $d = \text{pure } (fd)$?

Int
$$\mapsto$$
 IO Int

Monoid: $A, *: A \times A \rightarrow A = A = A$
 $e \times x = x \times e = x$
 $(x \times y) \times z = x \times (y \times z)$
 $(N,+,0)$
 $(R,0,0,1)$
 $(R,0,0,1$

Monid