The combinator `as`

```
as :: Encoder a→Encoder b→b→a
as that this = to (with that this)

a2b x = as A B x
b2a x = as B A x
```

$$A \xrightarrow{\quad a2b = as\ B\ A \quad} B$$
$$A \xleftarrow{\quad b2a = as\ A\ B \quad} B$$

with a, a^{-1} on the left and b, b^{-1} on the right, both pointing to $Root$.

as $[Nat]$ has been chosen as the root, we will define our finite function data type **fun** simply as the identity isomorphism on sequences in $[Nat]$:

```
fun :: Encoder [Nat]
fun = itself
```