

• borrow "Catch-22"

→ Just 6

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in F Books $\ell = \text{let } (\ell', mb) = \text{borrow } \ell \text{ "Ubik"}$
in case mb of

Just b $\rightarrow \text{let } (\ell'', bs) = \text{inFBooks } \ell$
in $(\ell'', b := bs)$

Nothing $\rightarrow ([], \ell')$

$(\gg=) :: \text{Lib } a \rightarrow (a \rightarrow \text{Lib } b) \rightarrow \text{Lib } b$

type Lib a = (Library \rightarrow Library \times a)

$\underbrace{\text{Lib } a}_{c_1} \gg= \underbrace{f}_{(a \rightarrow \text{Lib } b)} = \underbrace{\text{Lib } b}$
 $\lambda l. \text{ let } (l', a) = c_1 \ l$
 $\quad (l'', b) = f \ a \ l'$
 $\quad \text{in } (l'', b)$