Lens example 1/3

- http4k provides a Lens implementation which targets our domain: HTTP messages.
- Violations result in an HTTP 400 (Bad Request).

```
val btcPath = Path.int().of("btc")

val miner: HttpHandler = CatchLensFailure.then(
    routes(
          "/mine/{btc}" bind POST to { r: Request ->
                val newTotal: Int = btcPath.extract(r) + 1
                val out = "You have $newTotal BTC"
                val json = """{ "value": "$out"}""
                Response(OK).body(json)
                }
                ))
```

Lens example 2/3

We can also "map()" the lens into domain types:

```
data class BTC(val value: Int) {
    operator fun plus(that: BTC) = BTC(value + that.value)
    fun toString(): value.toString()
val btcPath = Path.int().map(::BTC).of("btc")
val miner: HttpHandler = CatchLensFailure.then(
    routes(
        "/mine/{btc}" bind POST to { r: Request ->
            val newTotal: BTC = btcPath.extract(r) + BTC(1)
            val message = "You have $newTotal BTC"
            val json = """{ "value": "$message"}"""
            Response(OK) body(json)
```