The world needs reliable ways of **synchronisation**.

We can focus on the problem of synchronising two pieces of data, where one side contains more information.

This is studied by the theory of **bidirectional transformations**.

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Programming Bidirectional Transformations

We have developed a programming language **BiGUL** 🧩, in which every program denotes a well-behaved bidirectional transformation.

BiGUL consists of a set of small, carefully designed bidirectional components, whose well-behavedness has been **formally verified**, achieving high reliability.

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