

Lambda Lifting Transformation

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1 Sequential MPL Constructs

Sequential MPL constructs can be divided into three categories:

- **Data Type Constructs:** These constructs are used with data types. They are `case`, `constructor` and `fold` constructs.
- **Codata Type Constructs:**
- **Non Data/Codata Constructs:** These are general MPL constructs that are not used with either data or codata types. They are `function call`, `where`, `variable`, `constant` and `if` constructs.

In this following sections non data/codata constructs are discussed first, followed by data type constructs and codata type constructs.

2 Non Data/Codata Constructs

These are general MPL constructs that are not used with either data or codata types. They are `function call`, `where`, `variable`, `constant` and `if` constructs.

2.1 function call construct

2.2 if construct

2.3 variable construct

2.4 constant construct

2.5 where construct

3 Data Type Constructs

These constructs are used with data types. They are `case`, `constructor` and `fold` constructs.

3.1 case construct

3.2 data constructor construct

3.3 fold construct

4 Codata Type Constructs

These constructs are used with codata types. They are `record` and `destructor` constructs.

- 4.1 record construct
- 4.2 destructor construct
- 4.3 product construct