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# Type Lambdas

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A *type lambda* lets one express a higher-kinded type directly, without a type definition.

```
[X, Y] =>> Map[Y, X]
```

For instance, the type above defines a binary type constructor, which maps arguments `X` and `Y` to `Map[Y, X]`. Type parameters of type lambdas can have bounds, but they cannot carry `+` or `-` variance annotations.

[More details](#)[< Union ...](#)[Type L... >](#)

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